

Literaturverzeichnis für die Arbeit Rückenschmerz

Teil 2 I - Z

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+Iannetti,G.D.	Zambreanu,I., Wise,R.G., Buchanan,T.J., Huggins,J.P., Smart,T.S., Vennart,W., Tracey,I. Pharmacological modulation of pain-related brain activity during normal and centra sensitization states in human Proc Natl Acad Sci USA 102 (2005)18195 – 200
+Iannuzzi,A.	Pickar,J.G., Khaisa,P.S., Relationships between joint motion and facet joint capsule strain during cat and human lumbar spinal motions J Manipulative Physiol Ther 34 (2011)420 – 31
IASP	Gender, Pain and the brain: clinical updates, XVI, Berlin 2008 (so zit. Schopper et al., 2013)
iasp-pain.org/Taxonomy	Classification of chronic pain In: Mersky H., Bogduk,N., editors: IASP task force on taxonomy. 2nd ed. Seattle, IASP Press, 1994 (zit. Helme et al., 2018)
+Iatridis,J.C.	Godburn,K., Wuertz,K., Alini,M., Roughley,P.J. Region-dependent aggrecan degradation patterns in the rat intervertebral disc are affected by mechanical loading in vivo

- Spine 36 (2011)203 - 9
- +Iatridis,J.C. Hecht,A.C.
- Commentary: Does needle injection cause disc degeneration?
News in the continuing debate regarding pathophysiology
associated with intradiscal injections
- Spine J 12 (2012)336 - 8
- +Iatridis,J.C. Labile,J.P., Krag,M.H.
- Influence of fixed charge density magnitude and distribution
on the intervertebral disc. Applications of a proelastic and
chemical electric (PEACE) model
- J Biomech Eng 125 (2003)12 – 24
- Iatridis,J.C. MacLean,J.J., O’Brien,M., Stokes,I.A.F
- Measurements of proteoglycan and water content
distribution in human lumbar intervertebral discs
- Spine 32 (2007)1493 - 7
- +Iatridis,J.C. Nicoll,S.B., Michalek,A.J., Walter,B.A., Gupta,M.S.
- Role of biomechanics in intervertebral disc degeneration and
regenerative therapies : what needs repairing in the disc and
what are promising biomaterials for its repair ?
- Spine J 13 (2013)243 - 62
- +Ibrahim,M.M. Porreca,F., Lai,J., Albrecht,P.J., Rice,F.L., Khodorova,A.,
Davar,G., Makriyannis,A., Vanderah,T.W., Mata,H.P.,
Malan,T.P.Jr.
- CB-2 cannabinoid receptor activation produces
antinociception by stimulating peripheral release of
endogenous opioids
- Proc Natl Acad Sci USA 102 (2005)3093 – 8
- ICSI Committee on Evidence Based Practise. Adult low back pain.
Institute for Clinical Systems Improvement (ICSI)
- Available at:
http://www.guideline.gov/summary/summary.aspx?ss=15&doc_id=5883&nbr=3869&string=low%20AND%20back%20AND%20pain#s23. Accessed August 3, 2005
- +Igarashi,A. Kikuchi,S., Konno,S., Olmarker,K.

- Inflammatory cytokines released from the facet joint tissue in degenerative lumbar spinal disorders
Spine 29 (2004)2091 – 5
- +Igarashi,T. Kikuchi,S., Shubayev,V., Myers,R.R.
Exogenous tumor necrosis factor-alpha mimics nucleus pulposus-induced neuropathology: molecular, histologic, and behavioural components in rats
Spine 23 (2000)2975 – 80
- IGel-Monitor Osteopathie zur Therapie unspezifischer Rückenschmerzen.
14.5.2019
www.igel-monitor.de/igel-a-z.html, Zugriff 09.05.2020
- +Ihl,R. Grass-Kapanke,B., Lahrem,P., Brinkmeyer,S., Fischer,S., Gaab,N., Kaupmannsennecke,C.
Entwicklung und Validierung eines Tests zur Früherkennung der Demenz mit Depressionsabgrenzung (TFDD)
Fortschr Neurol Psychiatr 69 (2009)413 – 22
- +Iida,R. Akeda,K., Kasai,Y., Masuda,K., Morimoto,R., Sakakibara,T., Sato,M., Uchida,A.
Expression of proteinase-activated receptor-2 in the intervertebral disc
Spine 34 (2009)470 - 8
- +Ijzelenberg,H. Meerding,W.-J., Burdorf,A.
Effectiveness of a back pain prevention program – a cluster randomized controlled trial in an occupational setting
Spine 32 (2007)711 - 9
- +Ikeda,H. Heinke,B., Ruscheweyh,R., Sandkühler,J.
Synaptic plasticity in spinal lamina I projection neurons that mediate hyperalgesia
Science 299 (2003)1237 – 40
- +Ikeda,H. Mochizuki,K., Murase,K.
Astrocytes are involved in long-term facilitation of neuronal excitation in the anterior cingulate cortex of mice with inflammatory pain

- Pain 154 (2013)2836 - 43
- +Ikeda,R. Takahashi,T., Inoue,K., Kato,F.
- NMDA receptor-independent synaptic plasticity in the central amygdala in the rat model of neuropathic pain
- Pain 127 (2007)161 - 72
- +Ikeda,T. Nakamura,T., Kikuchi,T., Umeda,S., Senda,H., Takagi,K.
- Pathomechanism of spontaneous regression of the herniated lumbar disc: histologic and Immunohistochemical study
- J Spinal Disord 9 (1996)136 – 40
- +Ikeuchi,M. Kolker,S.J., Burnes,L.A., Walder,R.Y., Sluka,K.A.
- Role of ASIC3 in the primary and secondary hyperalgesia produced by joint inflammation in mice
- Pain 137 (2008)662 - 9
- +Iles,R.A. Davidson,M., Taylor,N.F.
- Psychosocial predictors of failure to return to work in non-chronic non-specific low back pain: a systematic review
- Occup Environ Med 65 (2008)507 – 17
- +Ilgen,M.A. Bohnert,A.M.S., Ganoczy,D., Bair,M.J., McCarthy,J.F., Blow,F.C.
- Opioid dose and risk of suicide
- Pain 157 (2016)1079 - 84
- Illi,F.W. Wirbelsäule, Becken und Chiropraktik
- Haug, Ulm,Donau, 1953 (zit. Zwingenberger, 2021)
- +Illien-Jünger,S. Gantenbein-Ritter,B., Grad,S., Lezou,P., Ferguson,F.J., Alini,M., Ito,K.
- The combined effects of limited nutrition and high-frequency loading on intervertebral discs with endplates
- Spine 35 (2010)1744 – 52
- +Illien-Jünger,S. Pattapappa,G., Peroglio,M., Bennecker,L.M., Stoddard,M.J., Sakai,D., Mochida,J., Grad,S., Alini,M.
- Homing of mesenchymal stem cells in induced degenerative discs in a whole organ culture system

- Spine 37 (2012)1865 - 73
- +Imagama,S. Matsuyama,Y., Hasegawa,Y., Sakai,Y., Ito,Z., Ishiguro,N., Hamajima,N.
- Back muscle strength and spinal mbility are predictors of quality of life in middle-aged and elderly males
- Eur Spine J 20 (2011)954 - 61
- +Imai,K. Ohuchi,E., Aoki,T., Nomura,H., Fujii,Y., Sato,H., Seiki,M., Okada,Y.
- Membrane-type matrix metalloproteinase 1 is a gelatinolytic enzyme and is secreted in a complex with tissue inhibitor of metalloproteinase 2
- Cancer Res 56 (1996)2707 - 10
- +Imai,Y. Miyamoto,K., An,H.S., Thonar,E.J.M.A., Andersson,G.B.J., Masuda,K.
- Recombinant human osteogenic protein-1 upregulates proteoglycan metabolism of human anulus fibrosus and nucleus pulposus cells
- Spine 32 (2007)1303 – 9
- +Imai,Y. Okuma,M., An,H.S., Nakagawa,K., Yamada,M., Muehleman,C., Thonar,E., Masuda,K.
- Restoration of disc height loss by recombinant human osteogenic protein-1 injection into intervertebral disc undergoing degeneration induced by an intradiscal injection of chondroitinase ABC
- Spine 32 (2007)1197 – 1205
- +Imamura,M. Chen,J., Matsubayashi,S.R., Targino,R.T., Alfieri,F.M., Bueno,D.K., Hsing,W.T.
- Changes in pressure pain threshold in patients with chronic nonspecific low back pain
- Spine 38 (2013)2098 - 2107
- +Imamura,M. Furlan,A.D., Dryden,T., Irvine,E.
- Evidence-informed management of low back pain with massage
- Spine J 8 (2008)121 - 33

Imman,V.T.	Saunders,J.B. The clinicoanatomical aspects of the lumbosacral region Radiology 38 (1942)669 – 78 (zit. Gilbert et al., 2007b)
+Inamci, F.	Özdemir,O., Aydög,T., Sendil,A., Kutsal,V.G., Harcelik,Z. The frequency of fibromyalgia in sport professionals Rheumatol Int 31 (2011)1121 - 2
-Inanici,F.	Ozdemir,O., Aydoc,T., Sendil,A., Kutsal,Y.G., Hascelik,Z. The frequency of fibromyalgia in sport professionals Rheumatol Int 31 (2011)1121 – 2 (zit. Tesarz et al., 2013)
+Indaco,A.	Iachetta,C., Nappi,C., Socci,L.,Carrieri,P.B. Chronic and acute pain syndromes in patients with multiple sclerosis Acta Neurol (Napoli) 16 (1994)97 – 102
+Indahl,A.	Haldorsen,E.H., Holm,S., Reikeras,O., Ursin,H. Five-year follow-up study of a controlled clinical trial using light mobilization and an informative approach to low back pain Spine 23 (1998)2625 – 30
+Indahl,A.	Kaigle,A., Reikeras,O., Holm,S. Electromyographic response of the porcine multifidus musculature after nerve stimulation Spine 20 (1995)2652 – 8
+Indahl,A.	Kaigle,A.M., Reikeräs,O., Holm,S. Interaction between the porcine lumbar intervertebral disc, zygoapophysial joints, and paraspinal muscles Spine 22 (1997)2834 - 40
+Indahl,A.	Velund,L., Reikeraas,O. Good prognosis for low back pain when left untampered: a randomized clinical trial Spine 20 (1995)473 – 7

- InEK http://www.g-drg.de/cms/index.php/inek_site_de/Archiv
(zit. Arnold, 2010)
- +Ingber,D.E. Tensegrity I. Cell structure and hierarchical systems biology
J Cell Sci 116 (2003a)1157 - 73
- +Ingber,D.E. Tensegrity II. How structural networks influence cellular
information processing networks
J Cell Sci 116 (2003b)1397 - 1408
- +Ingber,D.E. The architecture of life
Scientific American (1998)Jan: 48 – 57 (so zit. Hendryx,
2014)
- (-)Ingerson,E. Renfrow,C., Aragon,E., Ferger,N., Olson,B., Sachs,A., Nelson-
Wong,E.

Individuals with low back improve in standing tolerance and
sagittal plane muscle activation following exercise
intervention

J Back Musculoskel Rehab (2019) in press
doi.org/10.3233/BMR-171053
- Ingram,R.E. Self-focussed attention in clinical disorders: review and a
conceptual model

Psychol Bull 107 (1990)156 – 76 (zit. Moss-Morris et al.,
2007)
- +Inkinen,R.I. Lammi,M.J., Lehmonen,S., Puustjärvi,K., Kääpää,E.,
Tammi,M.J.

Relative increase of biglycan and decorin and altered
chondroitin sulfate epitopes in the degenerative human
intervertebral disc

J Rheumatol 25 (1998)506 – 14
- +Inman,V.T. Saunders,J.B.C.M.

Referred pain from skeletal structures

J Nerv Ment Dis 99 (1944)660 – 7
- +Innes,S. Beynon,A., Hodgetts,C., Manassah,R., lim,D., Walker,B.W.

Predictors of instantaneous relief from spinal manipulation for
non-specific low back pain: a delphi study

- Chiropr Man Ther 28 (2020)39 doi.org/10.1186/s12998-020-00324-7
- +Inoue,G. Ohtori,S., Aoki,Y., Ozawa,T., Doya,H., Saito,T., Ito,T., Akazawa,T., Moriya,H., Takahashi,K.
Exposure of the nucleus pulposus to the outside of the anulus fibrosus induces nerve injury and regeneration of the afferent fibers innervating the lumbar intervertebral discs in rats
Spine 31 (2006)1433 – 8
- +Inoue,H. Three-dimensional architecture of lumbar intervertebral discs
Spine 6 (1981)139 – 46
- +Inoue,K. The function of microglia through purinergic receptors: neuropathic pain and cytokine release
Pharmacol Ther 109 (2006)210 - 26
- +Inoue,K. Koizumi,S., Tsuda,M., Shigemoto-Mogami,Y.
Signaling of ATP receptors in glia neuron interaction and pain
Life Sci 74 (2003)189 – 97
- +Inoue,M. Rashid,M.H., Fujita,R., Contos,J.J.A., Chun,J., Ueda,H.
Initiation of neuropathic pain requires lysophosphatidic acid receptor signaling
Nat Med 10 (2004)712 – 8
- +Inquimbert,P. Bartels,K., Babaniyi,O.B., Barret,L.B., Tegeder,I., Scholz,J.
Peripheral nerve injury produces a sustained shift in the balance between glutamate release and uptake in the dorsal horn of the spinal cord
Pain 153 (2012)2422 – 31
- +Inagaki,S. Kito,S., Kubota,Y., Girgis,S., Hillyard,C.J., MacIntyre,J
Autoradiographic localisation of cecitonin gene related peptide binding sites in in human and rat brains
Brain Res 374 (1986)287 – 98
- Institute of Medicine Crossing the Quality Chasms: A New Health System of the 21th Century, Washington,DC, The National Academies Press; 2001 (zit. Hazard, 2013)

+Intondi,A.B.	Dahlgreen,M.N., Eilers,M.A., Taylor,B.K. Intrathecal neuropeptide Y reduces behavioral and molecular markers of inflammatory or neuropathic pain Pain 137 (2008)352 – 65
+Inukai,T.	Uchida,K., Nakajima,H., Yayama,T., Kobayashi,S., Mwaka,E.S., Rodriguez Guerro,A., Baba,H. Tumor necrosis factor-alpha and its receptors contribute to apoptosis of oligodendrocytes in the spinal cord of spinal hyperostotic mouse (twy/twy) sustaining chronic mechanical compression Spine 34 (2009)2848 - 57
IQVIA	Comercial GmbH Metamizolhaltige Arzneimittel: Wichtige Maßnahmen zur Minimierung der schwerwiegenden Folgen des bekannten Risikos für Agranulozytose. Rote – Hand – Brief v. 9.12.2024 Schwarzeck-marketing@iqvia.com
+Iribarne,C.	Berthou,F., Baird,S., Dreano,Y., Picart,D., Bail,J.P., Beaune,P., Menez,J.F. Involvement of cytochrome P450 3A4 enzyme in the N-demethylation of methadone in human liver microsomes Chem Res Toxicol 9 (1991)365 – 73
+Irnich,D.	Anforderungen, Möglichkeiten und Grenzen der evidenzbasierten Akupunktevaluation Dt Ztschr Akup 43 (2000)2: 117 – 25
+Irnich,D.	M.quadratus lumborum Komplement Integr Med 50 (2009)01/02:48 – 52
+Irnich,D.	Das Münchner Naturheilkundliche Schmerzintensivprogramm – Rücken Zschr Komplementärmed 6 (2014)2: 12 – 9
+Irnich,D.	Behandlung des akuten Rückeschmerzes in 20 Minuten. Nichts übersehen und dennoch sicher und effizient behandeln – Eine Herausforderung in der täglichen Praxis Zschr Komplementärmed 6 (2014a)2: 20 - 4

- +Irnich,D. Akupunktur 2016
Dt Zschr Akupunkt 59 (2016)2: 4 - 5
- +Irnich,D. Winkelmeier,S., Bryer,A., Peter,K.
Elektrostimulationsakupunktur bei peripheren neuropathischen Schmerzsyndromen. Klinische Pilotstudie zur analgetischen Wirksamkeit
Schmerz 16 (2002)114 - 20
- Irvine,R.E. Suboptimal posture: the origin of the majority of idiopathic pain of the musculoskeletal system
In: Vleeming,A., Mooney,V., Dorman,T., Snijders,C., Stoechart,R., editors: Movement, Stability and low back pain: the essential role of the pelvis. New York: Curchill Livingstone, 1997, p. 133 – 55 (zit. Defrin et al., 2005)
- +Irvine,R.E. The origine and relief of common pain
J Back Musculoskel Rehab 11 (1998)89 – 130
- +Irwin,M.R. Olmstaed,R., Bjurstrom,M.F., Finin,P.H., Smith,M.T.
Sleep disruption and activation of cellular inflammation mediate heightened pain sensitivity: a randomized clinical trial
Pain 164 (2023)1128 – 37
doi.org/10.1097/j.pain.0000000000002811
- Isenburg,K. Mawla,I., Loggia,M.L., Ellingsen,D.M., Protsenko,E., Edwards,R.R., Napadov,V., Kettner,N., und weiter 3 Autoren
Increased salience network connectivity following manual therapy is associated with reduced pain in chronic low back pain patients
J Pain 22 (2021)545 – 55 doi.org/10.1016/j.jpain.2020.11.007
- +Ishida,,Y. Ohmori,K., Inoue,H., Suzuki,K.
Delayed vertebral slip and adjacent disc degeneration with an isthmic defect of the fifth lumbar vertebra
J Bone Joint Surg Br 81 (1999)240 – 4
- +Ishihama,Y. Tezuka,F., Manabe,H., Morimoto,M., Yamashita,K., Sakai,T., Sairyo,K.

- Facet joint morphology and trophism in adolescents.
Association with lumbar disk herniation and spondylolisthesis
- Spine 49 (2024)1029 – 35
doi.org/10.1097/BRS.0000000000004818
- +Ishihara,H. Matsui,H., Hirano,N., Tsuji,H.
- Lumbar intervertebral disc herniation in children less than 16 years of age. Long-term follow-up study of surgically managed cases
- Spine 22 (1997)2044 – 9
- +Ishii,Y. Thomas,A.O., Guo,X.E., Hung,C.T., Chen,F.H.
- Localisation and distribution of cartilage oligomeric matrix protein in the rat intervertebral disc
- Spine 31 (2006)1539 – 46
- +Ishikawa,A. Nakamura,S.
- Ventral hippocampal neurons project axons simultaneously to the medial prefrontal cortex and amygdala in the rat
- Neurophysiol 96 (2006)2134 – 8
- +Ishikawa,T. Miyagi,M., Ohtori,S., Aoli,Y., Ozawa,T., Doya,T., Saito,T., Moriya,H., Takahashi,K.
- Characteristics of sensory DRG – Neurons innervating the lumbar facet joints in rats
- Eur Spine J 14 (2005)559 – 64
- +Ishikawa,T. Miyagi,M., Kamoda,H., Orita,S., Eguchi,Y., Arai,G., Suzuki,M., Sakuma,Y. und weitere 6 Autoren
- Differences between tumor necrosis factor alpha receptors Types 1 and 2 in the modulation of spinal glial cell activation and mechanical allodynia in a rat sciatic nerve injury model
- Spine 38 (2013)11 - 6
- +Ismail-Tsaous,E. Bezuschussung osteopathischer Behandlungen: Versicherte und Krankenkassen profitieren
- Osteopath Med 15 (2014)2: 26 - 8
- +Isom,L.L. Sodium channels beta subunits: anything but auxiliary
- Neuroscientist 7 (2001)42 – 54

- +Issberner,U. Reeh,P.W., Steen,K.H.
Pain due to tissue acidosis:a mechanism for inflammatory and ischemic myalgia?
Neurosci Lett 208 (1996)191 – 4
- +Ito,T. Ohtori,S., Inoue,G., Koshi,T., Doya,H., Ozawa,T., Saito,T., Moriya,H., Takahashi,K.
Glial phosphorylated p38 MAP kinase mediates pain in a rat model of lumbar disc herniation and induces motor dysfunction in a rat model of lumbar spinal canal stenosis
Spine 32 (2007)159 – 67
- +Ito,T. Ohtori,S., Hata,K., Inoue,G., Moriya,H., Takahashi,K., Yamashita,T.
Rho kinase inhibitor improves motor dysfunction and hypoalgesia in a rat model of lumbar spinal canal stenosis
Spine 32 (2007b)2070 – 5
- +Ito,T. Oyanagi,K., Takahashi,H., Hideaki,E., Ikuta,F.
Cervical spondylotic myelopathy: clinicopathologic study on the progression pattern and thin myelinated fibers of the lesions of seven patients examined during complete autopsy
Spine 21 (1996b)827 – 31
- +Ito,T. Sakai,Y., Morita,Y., Yamazaki,K., Igarashi,K., Nishio,R., Sato,N.
Proprioceptive weighting ratio for balance control in static standing is reduced in elderly patients with non-specific low back pain
Spine 43 (2018)1704 - 9
- +Ito,T. Yamada,M., Ikuta,F., Fukuda,T., Hoshi,S.I., Kawaji,Y., Uchiyama,S., Homma,T., Takahashi,H.
Histologic evidence of absorption of sequestration-type herniated disc
Spine 21 (1996a)230 – 4
- +Itz,C.J. Geurts,J.W., van Kleef,M., Nelemans,P.
Clinical course of non-specific low back pain: a systematic review of prospective cohort studies in primary care

- Eur J Pain 17 (2013)5 – 15
- +Itz,C.J. Willems,P.C., Zeilstra,D.J., Huygen,F.J.
- Dutch multidisciplinary guideline for invasive treatment of pain syndromes of the lumbosacral spine
- Pain Pract 16 (2016)90 - 110
- +Ivanavicius,S.P. Ball,A.D., Heapy,C.G., Westwood,F.R., Murray,F., Read,S.J.
- Structural pathology in a rodent model of osteoarthritis is associated with neuropathic pain: increased expression of ATF-3 and pharmacological characterisation
- Pain 128 (2007)272 - 82
- Ivanavicius,S.P. et al. Isolectin B4 binding neurons are not present in the rat knee joint
- Neurosci 128 (2004)555 – 60 (zit. Aoki et al., 2007)
- +Ivanova,J.I. Birnbaum,H.G., Schiller,M., Kantor,E., Johnstone,B.M., Swindle,R.W.
- Real world practice patterns, health care utilisation, and costs in patients with low back pain: the long road to guideline-concordant care
- Spine J 11 (2011)622 - 32
- +Ivanusic,J.J. The pattern of FOX expression in the spinal dorsal horn following acute noxious stimulation of bone
- Eur J Pain 12 (2008)895 - 9
- +Iversen,L. Cannabis and the brain
- Brain 126 (2003)1252 – 70
- +Iversen,T. Solberg,T.K., Romner,B., Wilsgaard,T., Twisk,J., Anke,A., Nygaard,O., Hasvold,T., Ingebrigtsen,T.
- Effect of caudal epidural steroid injection in chronic lumbar radiculopathy: multicenter, blinded, randomized controlled trial
- BMJ 343 (2011)d5278
- +Iversen,T. Solberg,T.K., Romner,B., Wilsgaard,T., Nygaard,O., Waterloo,K., Brox,J.I., Ingebrigtsen,T

- Accuracy of physical examination for chronic lumbar radiculopathy
BMC Musculoskelet Disord 14 (2013)206
- +Ives,T.J. Chelminski,P.R., Hammet-Stabler,C.A.,Malone,R.M., Perhac,J.S., Potisek,N.M., Shilliday,B.B., DeWalt,D.A., Pignone,M.P.
Predictors of opioid misuse in patients with chronic pain: a prospective cohort study
BMC Health Serv Res 6 (2006)46
- +Iwagaki,N. Ganley,R.P., Dickie,A.C., Polgar,E., Hughes,D.I., del Rio,P., Revina,Y., Watanabe,M., Todd,A.J., Riddell,J.S.
A combined electrophysiological and morphological study on neuropeptide Y-expressing interneurons in the spinal dorsal horn of the mouse
Pain 157 (2016)598 - 612
- +Iwahashi,S. Hashida,R., Matsuse,H., Bekki,M., Iwanaga,S., Hara,K., Higuchi,T., Hirakawa,Y. und 9 weitere Autoren
The impact of sarcopenia on low back pain and quality of life in patients with osteoporosis
BMC Musculoskel Disord 23 (2022)142
doi.org/10.1186/s12891-022-05086-2
- +Iwamoto,J. Abe,H., Tsukimura,Y., Wakano,K.
Relationship between radiographic abnormalities of lumbar spine and incidence of low back pain in high school and college football players: a prospective study
Am J Sports Med 32 (2004)781 – 6
- +Iwamura,Y. Onari,K., Kondo,S., Inasaka,R., Horii,H.
Cervical intradural disc herniation
Spine 26 (2001)698 – 702
- +Iwata,M. Le Blanc,B.W., Kadasi,L.M., Zerah,M.I., Cosgrove,R.C., Saab,C.Y.
High-frequency stimulation in the ventral posterolateral thalamus reverses electrophysiologic changes and hyperalgesia in a rat model of peripheral neuropathic pain

- Pain 152 (2011)2505 - 13
- +Iyengar,S. Ossipov,M.H., Johnson,K.W.
- The role of calcitonin gene-related peptide in peripheral and central pain mechanisms including migraine
- Pain 158 (2017)543 - 59
- +Iyengar,S. Webster,A.A., Hemrick-Luecke,S.K., Xu,J.Y., Simmons,R.M.
- Efficacy of duloxetine, a potent and balanced serotonin-norepinephrine reuptake inhibitor in persistent pain models in rats
- J Pharmacol Exp Ther 311 (2004)576 – 84
- Iyer,P. Rom Korim,M., Higginbotham,L., Davidson,K.W.
- Anger, anger expression, and health.
- Handbook of health psychology and behavioral medicine, New York, NY, : The Gullford Press (2010) p. 120 – 33 (zit. Trost et al., 2012)
- +Jaalouk,D.E. Lammerding,J.
- Mechanotransduction gone awry
- Nat Rev Mol Cell Biol 10 (2009)63 - 73
- +Jaber,L. Swaim,W.D., Dionne,R.A.
- Immunohistochemical localisation of mu-opioid receptors in human dental pulp
- J Endod 29 (2003)108 – 10
- +Jäckel,W.H. Grundlagen der Leitlinien-Entwicklung und –Bewertung
- Z Orthop Unfallchir 145 (2007)116 – 20
- +Jäckel,W.H. Cziske,R., Gerdes,N., Jakobi,E.
- Überprüfung der Wirksamkeit stationärer Rehabilitationsmaßnahmen bei Patienten mit chronischen Kreuzschmerzen: eine prospektive, randomisierte, kontrollierte Studie
- Rehabilitation 29 (1990)129 - 29
- +Jäckel,W. Cziske,R., Schochat,T., Jakobi,E.

- Messung der körperlichen Beeinträchtigung und psychosozialen Konsequenzen bei rheumatoider Arthritis
Akt Rheumatol 10 (1985)43 – 52
- +Jackson,A.R. Yuan,T.T., Huang,C.Y.C., Travascio,F., Gu,W.Y.
Effect of compression and anisotropy on diffusion of glucose in annulus fibrosus
Spine 33 (2008)1 - 7
- +Jackson,A.W. Morrow,J.R., Brill,P.A., Kohl,H.W., Gordon,N.F., Blair,S.N.
Relations of sit-up and sit-and-reach tests to low back pain in adults
J Orthop Sports Phys Ther 27 (1998)22 – 6
- Jackson,D. How is low back pain managed? Retrospective study of the first 200 patients with low back pain referred to a newly established community-based physiotherapy department
Physiotherapy 87 (2001)573 – 81 (zit Liddle et al., 2004)
- +Jackson,D.W. Wiltse,L.L.
Low back pain in young athletes
Phys Sportsmed (1974)nov: 53 - 60
- +Jackson,H.C. Winkelmann,R.K., Bickel,W.H.
Nerve endings in the human spinal column and related structures
J Bone Joint Surg Am 48 (1966)1272 – 81
- +Jackson,J.L. O'Malley,P.G., Tomkins,G., Balden,E., Santoro,J., Kroenke,K.
Treatment of functional gastrointestinal disorders with antidepressant medications: a meta-analysis
Am J Med 108 (2000)65 – 72
- +Jackson,K.C. Pharmacotherapy for neuropathic pain
Pain Practice 6 (2006)27 – 33
- +Jackson,R.P. Peterson,M.D., McManus,A.C., Hales,C.
Compensatory spinopelvic balance over the hip axis and better reliability in measuring lordosis to the pelvic radius on

- the standing lateral radiographs of adult volunteers and patients
Spine 23 (1998)1750 – 67
- +Jackson,T. Chen,H., Iezzi,T., Yee,M., Chen,F.
Prevalence and correlation of chronic pain in a random population study in adults in Chonquing, China
Clin J Pain 30 (2014)346 - 52
- +Jacob,H.A.C. Kissling,R.O.
The mobility of the sacroiliacal joints in healthy volunteers between 20 and 50 years of age
Clin Biomech 10 (1996)352 – 61
- Jacob,M.C. Kerns,R.D.
Assessment and the psychosocial content of the experience of pain
In: Turk,D.C., Melzack,R. eds.: handbook of pain assessment. 2nd ed., New York, Guilford, 2001, p. 362 - 84 (zit. Cook et al., 2006)
- +Jacob,T. Low back pain incident episodes: a community-based study
Spine J 6 (2006)306 - 10
- +Jacob,T. Baras,M., Zeev,A., Epstein,L.
Physical activities and low back pain: a community based study
Med Sci Sports Exerc 36 (2004)9 – 15
- (-)Jacobi,S. Beynon,A., Dombrowski,S., Wedderkopp,N., Witherspoon,R., Hebert,J.J.
Effectiveness of conservative non-pharmacologic therapies for pain, disability, physical capacity, and physical activity behaviour in patients with degenerative lumbar spinal stenosis: a systematic review and meta-analysis
Arch Phys Med Rehab (2021)
doi.org/10.1016/j.apmr.2021.03.033
- +Jacobs,B.L. Martin-Cora,F.J., Fornal,C.A.,

- Activity of medullary serotonergic neurons in freely moving animals
Brain Res Rev 40 (2002)45 – 52
- +Jacobs,J.H. Grayson,M.F.
Trial of anti-inflammatory agent (indomethacin) in low back pain with and without radicular involvement
Br Med J (1968)3: 158 – 60
- +Jacobs,L. Vo,N., Coelho,J.P., Dong,Y., Bechara,B., Woods,B., Hempen,E., Hartman,R., Preuss,H., Balk,J., Kang,J., Sowa,G.
Glucosamine supplementation demonstrates a negative effect on intervertebral disc matrix in an animal model of disc degeneration
Spine 38 (2013)984 - 90
- +Jacobs,W.C.H. Rubinstein,S.M., Willems,P.C., Moojen,W.A., Pellise,F., Oner,C.F., Peul,W.C., van Tulder,M.W.
The evidence on surgical interventions for low back disorders, an overview of systemic reviews
Eur Spine J 22 (2013)1936 - 49
- +Jacobs,W.C.H. van der Gaag,N.A., Kruijt,M.C., Tuschel,A., de Kleuver,M., Peul,W.C., Verbout,A.J., Oner,F.C.
Total disc replacement for chronic discogenic low back pain. A Cochrane review
Spine 38 (2013)24 - 36
- +Jacobsen,L.M. Schistad,E.J., Storesund,A., Pedersen,L.M., Espeland,A., Rygh,L.J., Roe,C., Gjerstad,J.
The MMP1 rs1799750 2G allele is associated with increased low back pain, sciatica, and disability after lumbar disc herniation
Clin J Pain 29 (2013)967 - 71
- Jacobsen,S. Sonne-Holm,S., Rosing,H., Monrad,H., Gebuhr,P.
Degenerative lumbar spondylolisthesis: an epidemiological perspective. The Copenhagen Osteoarthritis Study
Spine 32 (2007)120 - 5

+Jacobson,N.S.

Roberts,L.J., Berns,S.B., McGlinchey,J.B.

Methods for defining and determining the clinical significance of treatment effects: description, application and alternatives

J Consult Clin Psychol 7 (1999)300 - 7

+Jacobus, W.E.

Taylor,G.J., Hollis,D.P., Nunhally,R.L.

Phosphorus magnetic resonance of perfused working rat hearts

Nature 265 (1977)756–8

+Jadad,A.R.

Cook,D.J., Jones,A., Klassen,T.P., Tugwell,P., Moher,M.,
Moher,D.

Methodology and reports of systemic reviews and meta-analysis: a comparison of Cochrane reviews with articles published in paperbased journals

JAMA 280 (1998)278–280

+Jadad,A.R.

Moore,R.A., Carroll,D., Jenkinson,C., Reynolds,D.J.H.,
Gavaghan,D.J., McQuay,H.J.

Assessing the quality of reports of randomized clinical trials: is blinding necessary?

Contr Clin Trials 17 (1996)1 – 12

+Jaeschke,R.

Singer, J., Guyatt, G.H.

Measurement of health status. Ascertaining the minimal clinical important difference

Control Clin Trials 10 (1989)407 – 15

+Jage,J.

Willweber-Strumpf,A., Maier,C.

Risikofaktoren für Missbrauch und Abhängigkeit bei der Opioidtherapie chronischer nicht-tumorbedingter Schmerzen

Schmerz 19 (2005)434 - 40

+Jäger,M.

Terry,J., Rance,J.

“A mindful ACT”-testing the feasibility and acceptability of a brief psychosocial intervention designed to accompany osteopathy treatment for people who live with persistent pain

- Int J Osteop Med 42 (2021)85 – 91
doi.org/10.1016/j.ijosm.2021.12.004
- +Jain,N. Sharma,M., Wang,D., Ugiliweneza,B., Drazin,D., Boakye,M.

Burden of preoperative opioid use and its impact on
healthcare utilization after primary single level lumbar
disectomy

Spine J 21 (2021)1700 – 10
doi.org/10.1016/j.spinee.2021.04. 013
- +Jakes,A.D Phillips,R., Scales,M.

Teenagers with back pain

BMJ 350 (2015)8002: 33 - 4
- Jakobson,E. Progressive relaxation

University of Chicago Press, Chicago 1938
- +Jakobsson,U. Development and psychometric evaluation of the pain impact
inventory

Pain Pract 9 (2009)418 – 27
- +Jakobsson,U. Kristensson,J.

The pain impact inventory – further validation in various
subgroups

Pain Pract 12 (2012)350 - 6
- James,G. Stecco,C., Blomster,L., Hall,L., Schmid,A.B., Shu,C.C.,
Melrose,J., Hodges,P.W.

Muscle spindels of the multifidus muscle undergo structural
change after intervertebral disc degeneration

Eur Spine J 31 (2022)1879 – 88 doi.org/10.1007/s00586-
022-07235-6
- +Jamison,R.N. Nonspecific treatment effects in pain medicin

Pain Clin Updates 19 (2011)2: 1- 7
- +Jamison,R.N. Edwards,R.R., Liu,X., Ross,E.L., Michna,E., Warnick,M.,
Wasan,A.D.

Relationship of negative affect and outcome of an opioid
therapy trial among low back pain patients

- Pain Pract 13 (2013)173 - 81
- +Jamison,R.N. Raymond,S.A., Slawsky,E.A., Nedeljkovic,S.S., Katz,N.P.
Opioid therapy for chronic noncancer back pain
Spine 23 (1998)2591 – 600
- +Janda,V. On the concept of postural muscles and posture in man
Aust J Physioth 29 (1983)83 - 4
- Janda,V. Muskelfunktionsdiagnostik
Berlin, Verlag Volk und Gesundheit, 1986
- +Janda,V. Muscle spasm, a proposed procedure for differential diagnosis
J Manual Med 6 (1991)136 - 9
- Janda,V. Manuelle Muskelfunktionsdiagnostik
Ullstein & Mosby; Berlin, 1994
- Janda,V. Muscles and back pain, assessment and treatment, physical medicine research foundation. CME Seminar Workshop Series, 1994 (zit. Rennie, 2007)
- Janda,V. (Hrsg.) Manuelle Muskelfunktionsdiagnostik
Urban & Fischer, München, 2000
- Janda,V. Sensomotorische Fazilitationstechniken. Vortrag und Demonstration anlässlich des 102. Kongresses der Deutschen Gesellschaft für Physikalische Medizin und Rehabilitation 02. – 04.10.1997, Leipzig (zit. Rohde, 2012)
- +Janetzki,L. Gussew,A., Malessa,R., Habenicht,U., Reichenbach,J.R., Strauß,B., Borys,C.
Hirnmetabolische Veränderungen bei chronischem Rückenschmerz. Studie unter Berücksichtigung von klinischen und psychischen Parametern
Schmerz 30 (2016)134 - 140
- +Janevic,J. Ashton-Miller,J.A., Schultz,A.B.
Large compression preloads decrease lumbar motion segment flexibility
J Orthop Res 9 (1991)228 – 36

- +Jang,I.S. Jeong,H.J., Akaike,N.
Contribution of the Na-K-Cl-cotransporter on GABA(A) receptor mediated presynaptic depolarization in excitatory nerve terminals
J Neurosci 21 (2001)5962 – 72
- +Jang,J.H. Clark,J.D., Li,X., Yorek,M.S., Usachev,Y.M., Brennan,T.J.
Nociceptive sensitisation by complement C5a and C3a in mouse
Pain 148 (2010)343 - 52
- +Jang,J.H. Song,E.M., Do,Y.H., Ahn,S., Oh,J.Y., Hwang,T.Y., Ryu,Y., Jeon,S., Song,M.Y., Park,H.J.
Acupuncture alleviates chronic pain and comorbid conditions in a mouse model of neuropathic pain: the involvement of DNA methylation in the prefrontal cortex
Pain 162 (2021)514 – 30
doi.org/10.1097/j.pain.0000000000002031
- +Jang,J.-S. Lee,S.H., Min,J.H., Han,K.M.
Lumbar degenerative kyphosis: radiologic analysis and classification
Spine 32 (2007)2694 – 9
- +Janicki,P.K. Schuler,G., Francis,D., Bohr,A., Gordin,V., Jarzembowski,T., Ruiz-Velasco,V., Mets,B.
A genetic association study of the functional A118G polymorphism of the human mu-opioid receptor gene in patients with acute and chronic pain
Anesth Analg 103 (2006)1011 – 7
- Jänig,W. The sympathetic nerve system in pain
Eur J Anaesthesiol 10 (1995) Suppl. 53 - 60
- +Jänig,W. Editorial: What is the mechanism underlying treatment of pain by systemic application of lidocaine?
Pain 137 (2008)5 – 6
- +Jänig,W. Functional plasticity of dorsal horn neurons (commentary)
Pain 154 (2013)1902 - 3

- +Jankord,R. Jerniolo,B.
Influence of physical activity on serum IL-6 and IL-10 levels in healthy older men
Med Sci Sports Exerc 36 (2004)960 – 4
- +Janousek,M. Ferrari,S., Schmid,U.D., Bischoff,H.A., BalsigerM., Theiler,R.
Bessere Verlaufsdokumentation bei Patienten mit lumboradikulären Schmerzsyndromen. Der modifizierte NASS-Fragebogen
Schmerz 25 (2011)552 - 7
- Janse,J. – n - Clinical biomechanics of the sacroiliac mechanisms
ACA J Chiro 12 (1987)1 – 8 (zit, Defrin et al., 2005)
- +Jansen,J.A.C.G. Poot,B, Mens,J.M.A., Backs,F.J.G., Stam,H.J.
The effect of experimental groin pain on abdominal muscle thickness
Clin J Pain 26 (2010)300 - 5
- +Janssen,S.A. Arntz,A.
No evidence for opioid-mediated analgesia induced by phobic fear
Behav Res Ther 37 (1997)823 – 30
- +Janssens,L. Brumagne,S., Polspoel,K., Troosters,T., McCornell,A.
The effect of inspiratory muscle fatigue on postural control in people with and without recurrent low back pain
Spine 35 (2010)1088 – 94
- +Jarcho,J.M. Mayer,E.A., Jiang,Z.K., Feier,N.A., London,E.D.
Pain, affective symptoms, and cognitive deficits in patients with cerebral dopamine dysfunction
Pain 153 (2012)744 - 54
- +Jarraya,M. Guermazi,A., Lorbergs,A.L., Brochin,E., Kiel,D.P., Bouxsein,M.L., Cupples,L.A., Samelson,E.J.
A longitudinal study of disc height narrowing and facet joint osteoarthritis at the thoracic and lumbar spine, evaluated by computed tomography: the Framingham Study

	Spine J 18 (2018)2065 - 73
+Jarrett,M.S.	Orlando,J.F., Grimmer-Somers,K. The effectiveness of land based exercise compared to decompressive surgery in the management of lumbar spinal-canal stenosis: a systematic review BMC Musculoskeletal Disord 13 (2012)30
+Järvholm,U.	Palmerud,G., Karlsson,D., Herberts,P., Kadefors,R. Intramuscular pressure and electromyography in four shoulder muscles J Orthop Res 9 (1991)609 – 19
+Jarvik,J.G.	Gold,L.S., Comstock,B.A., Heagerty,P.J., Rundell,S.D., Turner,J.A., Avins,A.I., Bauer,Z. und weitere 11 Autoren Association of early imaging for back pain with clinical outcomes in older adults JAMA 313 (2015)1143 – 53
+Jarvik,J.G.	Gold,L.S., Tan,K., Friedly,J.L., NedeljkovicS.S., Comstock,B.A., Deyo,R.A., Turner,J.A. und 8 weitere Autoren Long-term outcomesof a large, prospective observational cohort of older adults with back pain Spine J 18 (2018)1540 - 51
+Jarvik,J.G.	Hollingworth,W., Heagerty,P.J., Haynor,D.R., Boyko,E.J., Deyo,R.A. Three year incidence of low back pain in an initially asymptomatic cohort: clinical and imaging risk factors Spine 30 (2005)1541 – 8
+Jarvik,J.G.	Hollingworth,W., Martin,B., Emerson,S.S., Gray,D.T., Overman,S., Robinson,D., Staiger,T., Wessbecher,F., Sullivan,S.D., Keuter,W., Deyo,R.A. Rapid magnetic resonance imaging vs radiographs for patients with low back pain: a randomized controlled trial JAMA 289 (2003)2810 – 8
+Jarvik,J.J.	Hollingworth,W., Heagerty,P., Haynor,D.R., Deyo,R.A.

	The longitudinal assessment of imaging and disability of the back (LAIDBack) study: baseline data
	Spine 26 (2001)1158 – 66
Järvinen,J.	Karppinen,J., Niinimäki,J., Haapea,M., Grönblad,M., Luoma,K. et al.
	Association between changes in lumbar Modic changes and low back pain symptoms over a 2-year period
	BMC Musculoskelet Disord 16 (2015)98 (zit. Dudli et al., 2018)
+Jasinski,D.	Tolerance and dependence to opiates
	Acta Anaesth Scand 41 (1997)184 – 6
+Jasmin,L.	Ohara,P.T.
	Editorial: Pain free and awake to enjoy it!
	Pain 141 (2009)187 – 8
+Jasmin,L.	Ohara,P.T.
	Close encounters of the third kind: Evidence for contact with TNF alpha (commentary)
	Pain 151 (2010)241 - 2
-Jasmin,L.	Vit,J.P., Bhargava,A., Ohara,P.T.
	Can satellite glia cells be therapeutic targets for pain control?
	Neuron Glia Biol 2 (2006)63 – 71 (zit. Ji et al., 2010)
+Jason,R.	Giesbrecht,S., Battie,M.C.
	A comparison of pressure pain detection thresholds in people with chronic low back pain and volunteers without pain
	Phys Ther 85 (2005)1085 - 92
+Javel,A.F.	The freudian antecedents of cognitive-behavioral therapy
	J Psychother Integrat 9 (1999)397 – 407
+Jayson,M.I.	Sims-Williams,H., Young,S., Baddeley,H., Collins,E.
	Mobilization and manipulation for low back pain
	Spine 6 (1981)409 – 16

- +Jealous,J. Healing and the natural world. Interview by Bonnie Horrigan
Altern Ther Health Med 3 (1997)jan:68 – 76
- Jee,B.K. Surendran,S., Sortho,M., Park,K.M., Lee,W.K. et al.
Role of tumor necrosis factor-alpha, interleukin-8, and dexamethasone in the focal adhesion kinase expression by human nucleus pulposus cells
Spine 32 (2007)30 – 5
- Jeffries,L.J. Milanese,S.F., Grimmer-Somers,K.A.
Epidemiology of adolescent spinal pain: a systematic overview of the research literature
Spine 32 (2007)2630 – 7 (zit. Hoy et al., 2012)
- +Jegan,N.R.A. Viniol,A., Becker,A., Barth,A., Barth,J., Leonhardt,C.
Fragebogen zu Bewältigungsressourcen bei Rückenschmerzen. Evaluierung an einer Stichprobe chronischer Kreuzschmerzpatienten
Schmerz 27 (2013)487 - 95 (Internet 25.9.19)
- +Jellema,P. Bierma-Zeinstra,S.M.A., van Poppel,M.N.M., Bernsen,R.M.D., Koes,B.W.
Feasibility of lumbar supports for home care workers with low back pain
Occup Med (Oxf) 52 (2002)317 – 23
- +Jellema,P. van der Windt,D.A., van der Horst,D.E., Twisk,J.E., Stalman,W.A., Bouter,J.M.
Should treatment of (sub)acute low back pain be aimed at psychosocial prognostic factors? Results of a cluster-randomised clinical trial in general practise
BMJ 331 (2005a) 84 – 90
- +Jellema,P. van der Windt,D.A., van der Horst,D.E., BlankensteinA.H., Bouter,J.M., Stalman,W.A.,
Why is a treatment aimed at psychosocial factors not effective in patients with (sub)acute low back pain?
Pain 118(2005b)350 - 9

- +Jellema,P. van der Windt,D.A., van der Horst,H.E., Stalman,W.A.B., Bouter,L.M.
- Predication of an unfavourable course of low back pain in general practise: comparison of four instruments
- Br J Gen Pract 57 (2007)15 – 22
- +Jellema,P. van der Horst,H., Vlaeyen,J.W.S., Stalman,W.A.B., Bouter,L.M., van der Windt,D.A.W.M.
- Predictors of outcome in patients with (sub)acute low back pain differs across treatment groups
- Spine 31 (2006)1699 – 1705
- +Jemmett,R.S. MacDonald,D.A., Agur,A.M.
- Anatomic relationships between selected segmental muscles of the lumbar spine in the contexts of multi-planar segmental motion: a preliminary investigation
- Man Ther 9 (2004)203 – 10
- +Jeng,C.M. Cheng,T.C., Kung,C.H., Hsu,H.C.
- Yoga and disc degenerative disease in cervical and lumbar spine: a MR imaging-based case control study
- Eur Spine J 20 (2011)408 - 13
- +Jenkins,H.J. Downie,A.S., Maher,C.G., Moloney,N.A., Magnussen,J.S., Hancock,M.J.
- Imaging for low back pain : is clinical use consistent with guidelines ? A systematic review and meta-analysis
- Spine J 18 (2018)2266 - 77
- +Jenkins,H.J. Hancock,M.J., Maher,C.G., Frech,S.D., Magnussen,J.S.
- Understanding patients beliefs regarding the use of imaging in the management of low back pain
- Eur J Pain 20 (2016)573-80 (Internetzugriff 20.12.2016)
- +Jenkins,L.C. Chang,W.J., Buscemi,V., Liston,M., Humburg,P., Nicholas,M., Graven-Nielsen,T., Hodges,P.W. McAuley,J.H., Schabrun,S.M.
- Cortical function and sensorimotor plasticity are prognostic factors associaterd with future low back pain after an acute episode: the Understanding persitent Pain Where it ResiDes prospective cohort study

	Pain 164 (2023)14 – 26 doi.org/10.1097/j.pain.0000000000002684
Jenkins,L.C.	Chang,W.J., Humburg,P., Wasinger,V.C., Stone,L.S., Dorsey,S.G., Renn,C., Starkweather,A., Schabrun,S.M. Sex differences in the serum proteinomic profile during acute low back pain – a preliminary study of the relationship to future low back pain J Pain 25 (2024)5: 104426 doi.org/10.1016/j.jpain.2023.11.009
+Jensen,C.	Jensen,O.K., Christiansen,D.H., Nielsen,C.V. One-year follow-up in employees sick-listed because of low back pain. Randomized clinical trial comparing multidisciplinary and brief intervention Spine 36 (2011a)1180 - 9
+Jensen,C.	Nielsen,C.V., Jensen,O.K., Petersen,K.D. Cost-effectiveness and cost-benefit analyses of multidisciplinary intervention compared with a brief intervention to facilitate return to work in sick-listened patients with low back pain Spine 38 (2013)1059 - 67
+Jensen,C.E.	Riis,A., Petersen,K.D., Jensen,M.B., Pedersen,K.M. Economic evaluation of an implementation strategy for the management of low back pain in general practice Pain 158 (2017)891 - 9
+Jensen,I.B.	Bergström,G., Ljungquist,T., Bodin,L., Nygren,A.L. A randomized controlled component analysis of a behavioural medicine rehabilitation programme for chronic spinal pain: are the effects dependent of gender? Pain 91 (2001)65 - 78
+Jensen,I.B.	Bergström,G., Ljungquist,T. Bodin,L. A 3 – year follow-up of a multidisciplinary rehabilitation programme for back and neck pain. Pain 115 (2005)273 - 83
Jensen,I.B.	Bodin,L.

- Multimodal cognitive-behavioural treatment for workers with chronic spinal pain: a matched cohort study with a 18 – month follow-up
- Pain 76 (1998)35 – 44
- +Jensen,I.B. Busch,H., Bodin,I., Hagberg,J., Nygren,A.,Bergström,G.
- Cost effectiveness of two rehabilitation programmes for neck and back pain patients: a seven year folow up
- Pain 142 (2009)202 - 8
- +Jensen,K.B. Kaptchuk,T.J., Kirsch,I., Raicek,J., Lindstrom,K.M., Berna,C., Gollub,R.L., Ingvar,M., Kong,J.
- Nonconscious activation of placebo and nocebo pain responses
- Proc Natl Acad Sci USA 109 (2012c)15959 – 64
- +Jensen,K.B. Kosek,E., Wicksell,R., Kemani,M., Olsson,G., Merle,J.V., Kadetoff,D., Ingvar,M.
- Cognitive Behavioral Therapy increases pain-evoked activation of the prefrontal cortex in patients with fibromyalgia
- Pain 153 (2012a)1495 - 1503
- +Jensen,L.D. Gonge,H., Jors,E., Ryom,P., Foldspang,A., Christensen,M., Vestendorf,A., Bonde,J.P.
- Prevention of low back pain in female eldercare workers: randomized controlled work site trial
- Spine 31 (2006)1761 - 9
- +Jensen,L.D. Maribo,T., Schlottz-Christensen,B., Madsen,F.H., Gonge,B., Christensen,M., Frost,P.
- Counselling low-back-pain-patients in secondary healthcare: a randomized trial addressing experienced workplace barriers and physical activity
- Occup Environm Med 69 (2012b)21 – 8
- +Jensen,M.C. Brant-Zawadski,M.N., Obuchowski,N., Modic,M.T., Malkasian,D., Ross,J.S.
- Magnetic resonance imaging of the lumbar spine in people without back pain

- N Engl J Med 331 (1994)69 – 73
- +Jensen,M.P. Research on coping with chronic pain: The importance of active avoidance in inappropriate conclusions
Pain 147 (2009a)3 – 4
- +Jensen,M.P. Psychosocial approaches to pain management: an organisational framework
Pain 152 (2011)717 - 25
- +Jensen,M.P. Ehde,D.M., Hoffman,J.M., Patterson,D.R., Czerniecki,J.M., Robinson,L.R.
Cognitions, coping and social environment predict adjustment to phantom limb pain
Pain 95 (2002)133 – 42
- +Jensen,M.P. Hu,X., Potts,S.L., Gould,E.M.
Single vs composite measures of pain intensity: Relative sensitivity for detecting treatment effects
Pain 154 (2013a)534 - 8
- +Jensen,M.P. Giamas,A., Sherlin,L.H., Howe,J.D.
Pain catastrophizing and EEG-apha asymmetry
Clin J Pain 31 (2015a)852 - 8
- +Jensen,M.P. Karoly,P.
Control beliefs, coping efforts, and adjustment to chronic pain
J Consult Clin Psychol 59 (1991)431 – 8
- +Jensen,M.P. Schnitzer,T.J., Wang,H., Smugar,S.S., Peloso,P.M., Gammaitoni,A.
Sensitivity of single-domain versus multiple-domain outcome measures to identify responders in chronic low back pain. Pooled analysis of 2 placebo-controlled trials of etoricoxib
Clin J Pain 28 (2012)1 - 7
- +Jensen,M.P. Smith,A.E., Alschuler,K.N., Gillanders,D.T., Amtmann,D., Molton,I.R.

- The role of pain acceptance on function in individuals with disabilities: a longitudinal study
- Pain 157 (2016)247 - 54
- +Jensen,M.P. Smith,D.G., Ehde,D.M., Robonsin,L.R.
- Pain site and the effects of amputation pain: further clarification of the meaning of mild, moderate and severe pain
- Pain 91 (2001)317 - 22
- Jensen,M.P. Strom,S.E., Turner,J.A., Romano,J.M
- Validity of the sickness impact profile roland scale as a measure of dysfunction in chronic pain patients
- Pain 50 (1992)157 – 62 (zit. Woby et al., 2007a)
- +Jensen,M.P. Turner,J.A., Romano,J.M.
- Changes after multidisciplinary pain treatment in patient pain beliefs and coping are associated with concurrent changes in patient functioning
- Pain 131 (2007)38 - 47
- +Jensen,M.P. Turner,J.A., Romano,J.M., Lawler,B.K.
- Relationship of pain-specific beliefs to chronic pain adjustment
- Pain 57 (1994)301 – 9
- +Jensen,M.P. Turner,J.A., Romano,J.M., Strom,S.E.
- The chronic pain coping inventory: development and preliminary validation
- Pain 60 (1995)203 – 16
- +Jensen,O.K. Nielsen,C.V., Sorensen,J.S., Stengaard-Pedersen,K.
- Typ I Modic changes was a significant risk factor for 1-year outcome in sick-listed low back pain patients: a nested cohort study using magnetic resonance imaging of the lumbar spine
- Spine J 14 (2014)2568 - 81
- +Jensen,O.K. Nielsen,C.V., Stengaard-Pedersen,K.

- One-year prognosis in sick-listed low back pain patients with and without radiculopathy. Prognostic factors influencing pain and disability
- Spine J 10 (2010)659 - 75
- +Jensen,O.K. Nielsen,C.V., Stengaard-Pedersen,K.
- Low back pain may be caused by disturbed pain regulation: a cross sectional study in low back pain patients using tender point examination
- Eur J Pain 14 (2010a)514 - 22
- +Jensen,R.K. Kent,P., Hancock,M.
- Do MRI findings identify patients with chronic low back pain and Modic changes who respond best to rest or exercise: a subgroup analysis of a randomized controlled trial
- Chiropr Man Ther 23 (2015)26
- +Jensen,T.S. Pulsed radiofrequency: A novel treatment for chronic cervical radicular pain?
- Pain 127 (2007)3 - 4
- +Jensen,T.S. Pathophysiology of pain: from theory to clinical evidence
- Eur J Pain Suppl. 2 (2008)13 - 7
- +Jensen,T.S. Albert,H.B., Soerensen,J.S., Manniche,C., Leboeuf-Yde,C.
- Natural course of disc morphology in patients with sciatica: an MRI study using a standardized qualitative classification system
- Spine 31 (2006)1605 – 12
- +Jensen,T.S. Denmark,A.C., Baron,R., Haanpää,M., Kalso,E., Loeser,J.D., Rice,A.S.C., Treede,R.D.
- A new definition of neuropathic pain. Commentary
- Pain 152 (2011b)2204 – 5
- +Jensen,T.S. Karppinen,J., Sorensen,J.S., Niinimäki,J., Leboeuf-Yde,C.
- Prevalence of vertebral endplate signal (Modic) changes and their association with non-specific low back pain – A systematic literature review
- Eur Spine J 17 (2008a)1407 – 22

- Jeong,C.Y. Choi,J.I., Yoon,M.H.
Role of serotonin receptor subtypes for the antinociception of 5-HT in the spinal cord of rats
Eur J Pharmacol 502 (2004)205 – 11 (zit. Kayser et al., 2007)
- +Jeong,S.W. Lee,J.S., Kim,K.W.
In vitro lifespan and senescence mechanisms of human nucleus pulposus chondrocytes
Spine J 14 (2014)499 - 504
- +Jepma,M. Multiple potential mechanism for context effects of pain (commentary)
Pain 154 (2013)629 - 31
- +Jergova,S. Kolesar,D., Cizkova,D.
Expression of c-Fos in the parabrachial nucleus following peripheral nerve injury in rats
Eur J Pain 12 (2008)172 – 9
- +Jermyn,R.T. A nonsurgical approach to low back pain
J Am Osteopath Ass 101 (2001) Suppl. S 6 - 11
- +Jeske,N.A. Patwardhan,A.M., Ruparel,N.B., Akopian,A.N., Shapiro,M.S., Henry,M.A.
A-kinase anchoring protein 150 controls protein kinase C-mediated phosphorylation and sensitisation of TRPV1
Pain 146 (2009)301 - 7
- +Jespersen,T. Jorgensen,M.B., Hansen,J.V., Holtermann,A., Sogaard,K.
The relationship between low back pain and leisure time physical activity in a working population of cleaners – a study with weekly follow-ups for 1 year
BMC Musculoskel Disord 13 (2012)28
- +Jess,M.A. Ryan,C., Hamilton,S., Wellburn,S., Atkinson,G., Greenough,C., Peat,G., Coxon,A. und weitere 5 Autoren
Does duration of pain at baseline influence longer-term clinical outcomes of low back pain patients managed on an evidence-based pathway?

- Spine 46 (2021)191 – 7
doi.org/10.1097/BRS.0000000000003760
- +Jesse,C.R. Savegnano,I., Nogueira,C.W.

Role of nitric oxide/cyclic GMP, K⁺ channel pathway in the antinociceptive effect caused by 2,3 bis(mesityseleno)propenol

Life Sci 81 (2007)1694 – 704
- +Jette,A.M. The changing language of disablement

Phys Ther 85 (2005)118 – 9 (zit. Hazard, 2013)
- +Jette,D.U. Jette,A.M.

Physical therapy and health outcomes in patients with spinal impairments

Phys Ther 76 (1996)730 – 41
- +Jette,D.U. Jette,A.M.

Professional uncertainty and treatment choices by physical therapists

Arch Phys Med Rehabil 78 (1997)1346 – 51
- +Jezek,J. Sepitka,J., Daniel,M., Kujal,P., Blankova,A., Waldauf,P., Krbec,M., Dousa,P., Skala-Rosenbaum,J., Samal,F., Jirasek,T.

The role of vascularisation on changes in ligamentum flavum mechanical properties and development of hypertrophy in patients with lumbar spinal stenosis

Spine J 20 (2020)1125 - 33
- Jha,M.K. Morrison,B.M.

Glia-neuron energy metabolism in health and diseases: new insights in the role of nervous system metabolic transporters

Exp Neurol 309 (2018)29 – 31 (zit. Gale et al., 2022)
- +Ji,G.C. Zhou,S.T., Shapiro,G., Reubi,J.C., Carlton,S.M., Jurczyk,S.

Analgesic activity of a non-peptide imidazolidinedione somatostatin agonist: In vitro and in vivo studies in rat

Pain 124 (2006)34 – 49

- +Ji,R.R. Targeting microglial purinergic signalling to improve morphine analgesia (commentary)
Pain 150 (2010)377 - 8
- +Ji,R.R. Befort,K., Brenner,G.J., Woolf,C.J.
ERK MAP kinase activation in superficial spinal cord neurons induces prodynorphin and NK-1 upregulation and contributes to persistent inflammatory pain hypersensitivity
J Neurosci 22 (2002)478 – 85
- +Ji,R.R. Berta,T., Nedergaard,M.
Glia and pain: Is chronic pain a gliopathy?
Pain 154 (2013)S10 – S28
- +Ji,R.R. Cereau,R.W.^{4th}, Malcangio,M., Strichartz,G.R.
MAP kinase and pain
Brain Res Rev 60 (2009)135 - 48
- +Ji,R.R. Kohno,T., Moore,K.A., Woolf,C.J.,
Central sensitization and LTP: dopamin and memory share similar mechanisms?
Trends Neurosci 26 (2003)696 – 705 (zit. Weyerbacher et al., 2010)
- +Ji,R.R. Samad,T.A., Jin,S.X., Schmoll,R., Woolf,C.J.
p38 MAPK activation by NGF in primary sensory neurons after inflammation increases TRPV1 levels and maintains heat hyperalgesia
Neuron 36 (2002)57 – 68
- +Ji,R.R. Woolf,C.J.
Neuronal plasticity and signal transduction in nociceptive neurons: implications for the initiation and maintenance of pathological pain
Neurobiol Dis 8 (2001)1 – 10
- Jiang,H. Moreau,M., Raso,J., Russel, Bagnal,K.
A comparison of spinal ligaments – differences between bipeds and quadrupeds

	J Anat 187 (1995)85 – 91 (zit. Peeters, 2011)
-Jiang,H. et al.	Quantitative morphology of the lateral ligaments of the spine Spine 19 (1994)2676 – 82 (zit. Graichen & Putz, 2006)
+Jiang,N.	Luk,K.D.K., Hu,Y. A machine learning-based surface electromyography tomography evaluation for prognostic prediction of functional restoration rehabilitation in chronic low back pain Spine 42 (2017)1635 - 42
+Jiang,Y.	Oathes,D., Hush,J., Darnall,B., Charvat,M., Mackey,S., Etkin,A. Perturbed connectivity of the amygdala and its subregions with the central and default mode networks in chronic pain Pain 157 (2016)1970 - 8
Jiang,Y.	Xu,Y., Kong,X., Zhao,E., Ma,C., Lu,X., Xu,H., Sun,H., Gao,X. How to tackle non-specific low back pain among adult patients? A systematic review with a meta-analysis to compare four interventions J Orthop Surg Res 19 (2024)1 doi.org/10.1186/s13018-023-04329-2
+Jiang,Y.Q.	Xing,G.G., Wang,S.H., Tu,H.Y., Chi,Y.N., Li,J., Liu,F.Y., Han,J.S., Wan,Y. Axonal accumulation of hyperpolarization-activated cyclic nucleotide-gated cation channels contributes to mechanical allodynia after peripheral nerve injury in rat Pain 137 (2008)495 - 506
-Jim,J.J.T. .	Noponen-Hietala,N., Cheung,K.M. et al. The TRP2 allele of COL9A2 is an age-dependent risk factor for the development and severity of intervertebral disc degeneration Spine 30 (2005)2735 – 42 (zit. Virtanen et al., 2007)
+Jimbo,K.	Park,J.S., Yokosuka,K., Sato,K., Nagata,K. Positive feedback loop of Interleukin 1 beta upregulating production of inflammatory mediators in human intervertebral disc cells in vitro

- J Neurosurg Spine 2 (2005)589 – 95
- Jimenez-Garcia,R. Del Barrio,J.L., Hernandez-Barria,V., de Miguel-Diez,J., Jimenez-Trujillo,I., Martinez-Huedo,M.A., Lopez-de-Andres,A.
- Is there an association between neck pain and lower back pain?
- J Pain Res 11 (2018)1005 -15 (zit. Praxis-Depesche 10/2018)
- +Jin,M.C. Azad,T.D., Fatemi,P., Ho,A.L., Vail,D., Zhang,Y., Feng,A.Y., Kim,L.H. und weitere 7 Autoren
- Defining and describing treatment heterogeneity in new onset idiopathic lower back and extremity pain through reconstruction of longitudinal care sequences
- Spine J 21 (2021)1993 – 2002
doi.org/10.1016/j.spinee.2021.05.019
- +Jin,S.X. Zhuang,Z.Y., Woolf,C.J., Ji,R.R.
- p38 mitogen-activated protein kinase is activated after spinal nerve ligation in spinal cord microglia and dorsal root ganglion neurons and contributes to the generation of neuropathic pain
- J Neurosci 23 (2003)4017 – 22
- +Jin,X. Gereau IV,R.W.
- Acute p38-mediated modulation of tetrodotoxin-resistant sodium channels in mouse sensory neurons by tumor necrosis factor-alpha
- J Neurosci 26 (2006)246 – 55
- +Jin,Y. Sato,J., Yamakazi,M., Omura,S., Funakubo,M., Senoo,S., Aoyama,M., Miziumura,K.
- Changes in cardiovascular parameters and plasma norepinephrine level in rats after chronic constriction injury on the sciatic nerve
- Pain 135 (2008)221 – 31
- +Jenkins,J.R. Whittemore,A.R., Bradley,W.G.
- The anatomic basis of vertebrogenic pain and the autonomic syndrome associated with lumbar disc extrusion
- Am J Roentgenol 152 (1989)1277 - 89

- +Jirikowski,G.F. Faszien und Aponeurosen des Bewegungsapparats. Ein komplexes System
Manuelle Med 54 (2016)10 - 13
- +Johannsen,F. Remvig,L., Kryger,P., Beck,P., Warming,S., Lybeck,K. et al.
Exercises for chronic low back pain: a clinical trial
J Orthop Sports Phys Ther 22 (1995)52 – 9
- +Johansen,J.P. Fields,H.L., Manning,B.H.
The affective component of pain in rodents: direct evidence for a contribution of the anterior cingulate cortex
Proc Natl Acad Sci USA 98 (2001)8077 – 82
- +Johanson,E. Brumagne,S., Jamssens,I., Pijnenburg,M., Claeys,K., Pääsuke,M.
The effect of acute back muscle fatigue on postural control strategy in people with and without recurrent low back pain
Eur Spine J 20 (2011)2152 - 9
- +Johansson,A.C. Gunnarsson,L.G., Linton,S.J., Bergkvist,L., Stridsberg,M., Nilsson,O., Cornefjord,M.
Pain, disability and coping reflected in the diurnal cortisol variability in patients scheduled for lumbar disc surgery
Eur J Pain 12 (2008)633 - 40
- +Johansson,H. Sojka,P.
Pathophysiological mechanisms involved in genesis and spread of muscle tension in occupational muscle pain and in the chronic musculoskeletal pain syndrome: a hypothesis
Med Hypotheses 35 (1991)196 – 203
- +Johansson,R.S. Valbo,A.B.
Tactile sensory coding in the glabrous skin of the human hand
TINS 6 (1983)27 – 32
- +Johnsen,L.G. Hellum,C., Nygaard,O.P., Storheim,K., Brox,J.L., Rossvoll,I., Leivseth,G., Grotle,M.

- Comparison of the SF6D, the EQ5D, and the Oswestry Disability Index in patients with chronic low back pain and degenerative disc disease
- BMC Musculoskelet Disord 14 (2013)148
- +Johnsen,L.G. Hellum,C., Storheim,K., Nygaard,O.P., Brox,J.I., Rossvoll,I., Ro,M., Andresen,O.P: und weitere 7 Autoren
- Cost-effectiveness of total disc replacement versus multidisciplinary rehabilitation in patients with chronic low back pain
- Spine 39 (2014)23 - 32
- +Johnson,G.I. Lapadat,R.
- Mitogen-activated protein kinase pathways mediated by ERK, JNK, and p38 protein kinases
- Science 298 (2002)1911 – 2
- +Johnson,K.O. Darian-Smith,I., LaMotte,C., Johnson,B., Oldfield,S.
- Coding of incremental changes in the skin temperature by a population of warm fibers in the monkey: correlation with intensity discrimination in man
- J Neurophysiol 42 (1979)1332 – 53
- +Johnson,M. Martinson,M.
- Efficacy of electrical nerve stimulation for chronic musculoskeletal pain: A meta-analysis of randomized controlled trials
- Pain 130 (2007)157 - 65
- +Johnson,M.A. Polgar,J., Weightman,D., Appleton,D.
- Data on the distribution of fibre types in thirty-six human muscles. An autopsy study
- J Neurol Sci 18 (1973)111 – 29
- +Johnson,M.T. Walte,L.R., Nindl,G.
- Noninvasive treatment of inflammation using electromagnetic fields: current and emerging therapeutic potential
- Biomed Sci Instrum 40 (2004)469 – 74

- +Johnson,R.E. Fudala,R.E., Payne,R.
Buprenorphine: considerations for pain management
J Pain Symptom Manage 29 (2005)297 – 326
- +Johnson,R.E. Jones,G.T., Wiles,N.J., Chaddock,C., Potter,R.G., Roberts,C.,
Symmons,D.P.M., Watson,P.J., Torgerson,D.J.,
Macfarlane,G.J.
Active exercise, education, and cognitive behavioral therapy
for persistent disabling low back pain: a randomized
controlled trial
Spine 32 (2007)1578 - 85
- Johnson,R.J. Lumbar spine injuries: low back pain
In: Sallis,R.E., Massimino,F. (eds.): American college of sports
medicine's essentials of sports medicine; St.Louis: Mosby-
Year Book, 1997, pp 381 – 9 (zit. Gluck et al., 2008)
- Johnson,S. North,R.
Opioids excite dopamine neurons by hyperpolarization of
local interneurons
J Neurosci 12 (1992)483 – 8 (zit Ballantyne & Sullivan, 2017)
- +Johnson,S.M. Kurtz,M.E.
Osteopathic manipulative treatment techniques preferred by
contemporary osteopathic physicians
J Am Osteopath Assoc 103 (2003)219 – 24
- +Johnson,W.E.B. Caterson,B., Eisenstein,S.M., Roberts,S.
Human intervertebral disc aggrecan inhibits endothelial cell
adhesion and cell migration in vitro
Spine 30 (2005)1139 – 47
- +Johnson,W.E.B. Patterson,A.M., Eisenstein,S.M., Roberts,S.
The presence of pleiotrophin in the human intervertebral disc
is associated with increased vascularisation
Spine 32 (2007)1295 – 302
- +Johnson,W.G. Baldwin,M.L., Butler,R.J.
Back pain and work disability: the need for a new paradigm

- Industrial Relations 37 (1998)9 – 34
- +Johnson,W.G. Cost-based evaluations of the treatment of back pain: a primer for health-care professionals
Spine J 5 (2005)361 – 9
- +Johnston,B.C. da Costa,B.R., Devereaux,P.J., Akl,E.A., Busse,J.W.
The use of expertise-based randomized controlled trials to assess spinal manipulation and acupuncture for low back pain
Spine 33 (2008)914 - 8
- Johnston,W.L. Indirect method in osteopathic manipulation: historical development
AAO Yearbook, 1998, p.42 (zit. Franke, 2006)
- Johnston,W.L. Segmental definition: Part I. A focal point for diagnosis of somatic dysfunction
AAO Yearbook 1998, p. 162 (zit. Franke, 2006)
- +Johnston,W.L. Elkiss,M.L., Marino,R.V., Blum,G.A.
Passiv gross motion testing: Part II. A study of interexaminer agreement
J AOA 81 (1982)304 – 13
- +Johnstone,T.B.C. Xie,J.Y., Qu,C., Wasiak,D.J., Hogenkamp,D.J., Porreca,F., Gee,K.W.
Positive allosteric modulators of nonbenzodiazepine gamma-aminobutyric acid_A receptor subtypes for the treatment of chronic pain
Pain 160 (2019)198 - 209
- +Jonas,P. Bischofberger,J., Sandkühler,L.
Corelease of two fast neurotransmitters at a central synapse
Science 281 (1998)419 – 24
- +Jonas,W.B. Crawford,C.C.
The healing presence: can it be reliably measured?
J Altern Complement Med 10 (2004)751 - 6
- Jones,A.K. Watanabe,H., Cunningham,V.K., Jones,T.

- Cerebral decreases in opioid receptor binding in patients with central neuropathic pain measured by ¹¹C)diprenorphine binding and PET
Eur J Pain 8 (2004a)479 – 85 (zit. Loggia, 2018)
- +Jones,B.H. Cowan DE, Tomlinson JP., Robinson,J.R., Polly,D.W., Frykman,P.N.
Epidemiology of injuries associated with physical training among young men in the army.
Med Sci Sports Exerc 25 (1993)197–203.
- +Jones,C.K. Peters,S.C., Shannon,H.E.
Duloxetine, a selective serotonergic and noradrenergic reuptake inhibitor, is efficacious in persistent and inflammatory, but not acute nociceptive, pain states in rodents
J Pharmacol Exp Ther 312 (2005)726 – 32
- +Jones,C.K. Peters,S., Shannon,H.E.
Synergistic interactions between the dual serotonergic, noradrenergic reuptake inhibitor duloxetine and the non-steroidal anti-inflammatory drug ibuprofen in inflammatory pain in rodents
Eur J Pain 11 (2007)208 – 15
- Jones,C.M.P. Day,R.O., Koes,B.W., Latimer,J., Maher,C.G., McLachlan,A.J., Billow,L., Shan,S., Lin,C.W.C.
Opioid analgesia for acute low back pain and neck pain (the OPAL trial): a randomized placebo controlled trial
Lancet 402 (2023a)3304 – 12 doi.org/10.1016/S0140-6736(23)00404-X
- +Jones,C.M.P. Lin,C.W.C., Blease,C., Lawson,J., Shaheed,C.A., Maher,C.G.
Time to reflect on open-label placebos and their value for clinical practise
Pain 164 (2023)2139 – 42
doi.org/10.1097/j.pain.0000000000003017
- Jones,C.M.P. Underwood,M., Chou,R., Schoene,M., Sabzawari,S., Cavanagh,J., Lin,C.W.C.

	Treating non-specific low back pain
	BMJ 385 (2024)e080064 doi.org/10.1136/bmj-2024-080064
+Jones,D.M.	Tucker,B.A., Rahimtula,M., Mearow,K.M.
	The synergistic effects of NGF and IGF-1 on neurite growth in adult sensory neurons: convergence on the PI 3-kinase signaling pathway
	J Neurochem 86 (2003)1116 – 28
+Jones,G.T.	Watson,K.D., Silman,A.J., Symmons,D.P., Macfarlane,G.J.
	Predictors of low back pain in British schoolchildren: a population-based prospective cohort study
	Pediatrics 111 (2003)822 – 8
+Jones,G.	White,C., Sambrook,P., Eisman,J.
	Allelic variation in the vitamin D receptor gene, lifestyle factors and lumbar spinal degenerative disease
	Ann Rheum Dis 57 (1998)94 – 9
Jones,L.H.	Spontaneous release by positioning
	The DO 4 (1964)109 – 116 (zit. Ramirez et al., 1989)
Jones,L.H.	Strain and Counterstrain. Newark, Ohio American Academy of Osteopathy, 1981 (zit. Ramirez et al., 1989)
Jones,L.H.	Strain-Counterstrain
	München, Urban & Fischer Elsevier, 2001
Jones,M.D.	Booth,R., Taylor,J.L., Barry,B.K.
	Aerobic training increases pain tolerance in healthy individuals
	Med Sci Sports Exerc 46 (2014)1640 - 7 doi.org/10.1249/MSS.0000000000000273
+Jones,N.G.	Slater,R., Cadiou,H., McNaughton,P., McMahon,S.B.
	Acid-induced pain and its modulation in humans
	J Neurosci 24 (2004)10974 – 9
+Jones,T.	Moore,T., Levy,J.L., Daffron,S., Browder,J.H., Allen,L, Passik,S.D.

- A comparison of various risk screening methods in predicating discharge from opioid treatment
Clin J Pain 28 (2012)93 - 100.
- +Jonsson,D. Husberg,M.
Socioeconomic costs of rheumatic diseases. Implications for technology assessment
Int J Technol Assess Health Care 16 (2000)1193 – 200
- +Jonsson,E. Olafson,G., Fritzell,P., Hägg,O., Borgström,F.
A profile of low back pain. Treatment and costs associated with patientsreferred to orthopaedic specialists in Sweden
Spine 42 (2017)1302 - 10
- +Jordan,K.P. Croft,P.
Editorial: Opportunities and limitations of general practice databases in pain research
Pain 137 (2008)469 - 70
- +Jordan,K.P. Kadam,U.T., Hayward,R., Porcheret,M., Young,C., Croft,P.
Annual prevalence of regional musculoskeletal problems in primary care: an observational study
BMC Musculoskeletal Disord 11 (2010)144
- +Jordan,T.R. Conceptual and treatment models in osteopathy II: Sacroiliac mechanics revisited
AAO J 16 (2006)2: 11 – 7
- +Jörg,J. Breuer,H.P., Menger,H.
Kreuz- und Beinschmerzen ("Ischialgie") aus neurologischer Sicht
Dt Ärztebl 91 (1994)45 - 52
- +Jorgensen,M.J. Marras,W.S., Granata,K.P., Wiand,J.W.
MRI-derived moment-arms of the female and male spine loading muscles
Clin Biomech (Bristol, Avon) 16 (2001)182 – 93
- +Joseph,E.K. Bogen,O., Alessandri-Haber,N., Levine,J.

- PLC-beta3 signals upstream of PKC epsilon in acute and chronic inflammatory hyperalgesia
Pain 132 (2007)67 - 73
- +Joseph,E.K. Levine,J.D.
Mitochondrial electron transport in models of neuropathic and inflammatory pain
Pain 121 (2006)105 – 14
- +Joseph,E.K. Levine,J.D.
Comparison of oxaliplatin- and cisplatin-induced painful peripheral neuropathy in the rat
J Pain 10 (2009)534 – 41
- +Josephson,M. Hagberg,M., Hjelm,E.W.
Self reported physical exertion in geriatric care. A risk indicator for low back symptoms?
Spine 21 (1996)2781 – 5
- +Jousset,N. Fanello,S., Bontoux,L.,Dubus,V., Billabert,C., Vielle,B., Roquelaure,Y., Penneau-Fontbonne,D., Richard,I.
Effects of functional restoration versus 3 hours per week physical therapy: a randomized controlled study
Spine 29 (2004)487 –94
- Jückel,W.H. Cziske,R., Gerdes,N., Jacobi,E.
Überprüfung der Wirksamkeit stationärer Rehabilitationsmaßnahmen bei Patienten mit chronischen Kreuzschmerzen: eine prospektive randomisierte, kontrollierte Studie
Rehabilitation 29 (1990)129 – 33 (zit. van Tulder et al., 2006b)
- +Judin,E. Körperverletzung.
Leserbrief, Dt Ärztebl 104 (2007)A2187 - 8
- +Julius,D. Basbaum,A.I.
Molecular mechanism of nociception
Nature 413 (2001)203 – 10

- Jull,G. Examination of the articular system
In: Boyling,J.D., Palastanga,N. (eds.): Grieve's Modern Manual Therapy. Edinburgh: Churchill Livingstone 1996: 511 – 27 (zit. Desmoulin et al., 2007)
- Jull,G. Falla,D., Treleaven,J., Hodges,P., Vicenzino,B.
Retraining cervical joint position sense: the effect of two exercise regimens
J Orthopaedic Res 25 (2007)404 – 12
doi.org/10.1002/jor.20220
- +Jull,G.A. Richardson,C.A.
Motor controll problems in patients with spinal pain: a new direction for therapeutic exercise
J Manipulative Physiol Ther 23 (2000)115 – 7
- +Jull,G.A. Treleaven,J., Versace,G.
Manual examination: is pain provocation a major cue for spinal dysfunction?
Austral Physiother 40 (1994)159 – 65
- +Jung,H.S. Kang,S.Y., Park,J.H., Cynn,H.S., Jeon,H.S.
EMG activity and force during prone hip extension in individuals with lumbar segmental instability
Man Ther (2014) doi: 10.1016/i.math.2014.11.002
- +Jung,K. Höltnke,V., Hoffmeister,M.
Zum Zusammenhang von Bewegungsaktivität und dem Schweregrad von Rückenschmerzen in den Kranken- und Pflegeberufen
Sports, Medicine and Health Summit, Hamburg, 2023, Abstract 197, PT-06-010
Dt Z Sportmed 74 (2023)4: 144
- +Jung,M. Xia,T., Ilomäki,J., Pearce,C., Nielsen,S.
Opioid characteristics and nonopioid interventions associated with successful opioid taper in patients with noncancer pain
Pain 165 (2024)1327 -35
doi.org/10.1097/j.pain.0000000000003133

- +Junge,T. Wedderkopp,N., Boyle,E., Kjaer,P.
The natural course of low back pain from childhood to young adulthood – a systematic review
Chiropr Man Ther 27 (2019)10 doi.org/10.1186/s12998-018-0231-x
- +Jünger,,S. Gantenbein-Ritter,B., Lezuo,P., Alini,M., Ferguson,S.J., Ito,K.
Effect of limited nutrition on in situ intervertebral disc cells under simulated-physiological loading
Spine 34 (2009)1264 - 71
- +Junghanns,H. Spondylolisthesis ohne Spalt im Zwischengelenk
Arch Orthop Unfallchir 29 (1930)118 – 27
- Junghanns,H. Il segmento mobile della colonna vertebrale e il suo significato pratico
Arch Putti Cir Organi Mov 5 (1954)103 – 11 (zit. Nazlikul, 2014)
- +Jüni,P. Battaglia,M., Nüesch,E., Hämmerle,G., Eser,P., van Beers,R., Vils,D., Bernhard,J., Ziswiler,H.R., Dähler,M., Reichenbach,S., Villiger,P.M.
A randomized controlled trial of spinal manipulative therapy in acute low back pain
Ann Rheum Dis 68 (2009)1420 – 7
- + Juniper,M. Le,T.K., Mladsi,D.
The epidemiology, economic burden and pharmacological treatment of chronic low back pain in France, Germany, Italy, Spain and the UK: a literature based review
Expert Opin Pharmacother 10 (2009)A6: 2581 – 92
- Junk,S. Terjesen,T., Rossvoll,J., Braten,M.
Leg length inequality measured by ultrasound and clinical methods
Eur J Radiol 14 (1992)185 – 8 (zit. Defrin et al., 2005)
- +Junker,U. Medikamentöse Schmerztherapie bei multimorbiden und betagten Patienten
Schmerztherapie 25 (2009)3: 4 - 7

- +Junker,U. Freynhagen,R.
Tumorschmerzen: Hoch differenzierte Opiodtherapie
Dt Ärztebl 105 (2008)A384 - 7
- +Just,J. Mücke,M., Bleckwenn,M.
Abhängigkeit von verschreibungspflichtigen Opioiden.
Prävention, Diagnostik und Therapie
Dt Ärztebl 113 (2016)213 - 20
- Juul-Kristensen,B. Lund,H., Hansen,K., Christensen,H., Danneskiold-Samsoe,B., Bliddal,H.
Poorer ellbow proprioception in patients with lateral epicondylitis than in healthy controls: a cross-sectional study
J Shoulder Elbow Surg 17 (2008)72 – 81
doi.org/10.1016/j.jse.2007.07.003
- Kaada,B. Torsteinbo,O.
Increase of plasma beta-endorphins in connective tissue massage
Gen Pharmacol 20 (1989)487 – 9 (zit. Weerapong et al., 2005)
- +Kääpä,E. Luoma,K., Pitkäniemi,J., Kerttula,L., Grönblad,M.
Correlation of size and type of modic types 1 and 2 lesions with clinical symptoms. A descriptive study in a subgroup of patients with chronic low back pain on the basis of a university hospital patient sample
Spine 37 (2012)134 – 9
- +Kääriä,S. Kirjonen,J., Telama,R., Kaila-Kangas,L., Leino-Arjas,P.,
Does strenuous leisure activity prevent severe back disorders leading to hospitalisation
Eur Spine J 23 (2014)508 – 11
- +Kääriä,S. Luukonen,R., Riihimäki,H., Kirjonen,J., Leino-Arjas,P.
Persistence of low back pain reporting among a cohort of employees in a metal corporation: A study with 5-, 10- and 28-years follow-ups
Pain 120 (2006)131 – 7

- +Kääriä,S. Solovieva,S., Leino-Arjas,P.
Associations of low back pain with neck pain:a study of industrial employees with 5-, 10-, and 25 year follow ups
Eur J Pain 13 (2009)406 – 11
- Kabat-Zinn,J. Gesund durch Meditation: Achtsamkeit und Stressbewältigung im Alltag
München, Knaur, 2011 (zit. Lucas-Gesing, 2025)
- +Kabli,N. Cahill,C.M.
Anti-allodynic effects of peripheral delta opioid receptors in neuropathic pain
Pain 127 (2007)84 - 93
- +Kader,D.F. Wardlaw,D., Smith,F.W.
Correlations between the MRI changes in the lumbar multifidus muscle and leg pain
Clin Radiol 55 (2000)145 – 9
- +Kadi,F. Waling,K., Ahlgren,C., Sundelin,G., Holmner,S., Butler-Browne,G.S. et al.
Pathological mechanisms implicated in localized female trapezius myalgia
Pain 78 (1998) 191 – 6
- +Kadish,L.J. Simmons,E.H.
Anomalies of the lumbosacral nerve roots: an anatomical investigation and myelographic study
J Bone Joint Surg Br 66 (1984)411 – 6
- +Kaergaard,A. Hansen,A.M., Rasmussen,K., Andersen,J.H.
Association between plasma testosterone and work-related neck and shoulder disorders among female workers
Scand J Work Environ Health 26 (2000)292 – 8
- +Kaigle,A.M. Holm,S.H., Hansson,T.H:
Experimental instability in the lumbar spine
Spine 20 (1995)421 – 30

+Kaigle,A.M.

Wessberg,P., Hansson,T.H.

Muscular and kinematic behavior of the lumbar spine during flexion-extension

J Spinal Disord 11 (1998)163 – 74

+Kaila-Kangas,L.

Leino-Arjas,P., Karppinen,J., Viikari-Juntura,E., Nykyri,E.,
Heliövaara,M.

History of physical work exposures and clinically diagnosed sciatica among working and nonworking finns aged 30 to 64

Spine 34 (2009)964 - 9

+Kaiser,U.

Kopkow,C., Deckert,S., Neustadt,K., Jacobi,L., Cameron,P., de
Angelis,V., Apfelbacher,C. und weitere 25 Autoren

Developing a core outcome domain set to assessing effectiveness of interdisciplinary multimodal pain therapy: the VAPAIN consensus statement on core outcome domains

Pain 159 (2018)673 - 83

+Kaiser,U.

Nilges,P.

Verhaltenstherapeutische Konzepte in der Therapie chronischer Schmerzen

Schmerz 29 (2015)179 - 185

+Kaiser,U.

Sabatowski, R., Azad, S.C.

Multimodale Schmerztherapie. Eine Standortbestimmung

Schmerz 29 (2015)550 - 6

+Kaiser,U.

Treede, R.D., Sabatowski, R.

Multimodal pain therapy in chronic noncancer pain – gold standard or need for further clarification?

Pain 158 (2017)1853 - 9

+Kaisler,M.

Maier,C., Kumowski,N., Schwarzer,A., Meyer-Frießem,C.H.

Langzeiteffektivität topisch applizierter Analgetika

Schmerz 34 (2020)21 - 32

+Kakihana,W.

Akai,M., Yamasaki,N., Takashima,T., Nakazawa,K.

Changes of joint moments in the gait of normal subjects wearing laterally wedged insoles

- Am J Phys Med Rehabil 83 (2004)273 – 8
- +Kalakoti,P. Nanda,A., Pugely,A.J.
- Point of view. Initial provider speciality is associated with long-term opiate use in patients with newly diagnosed low back and lower extremity pain
- Spine 44 (2019)219
- +Kalakoti,P. Sciubba,D.M., Pugely,A.J., McGirt,M.J., Sharma,K., Patra,D.P., Phan,K., Madhavan,K. und weitere 5 Autoren
- Impact of psychiatric comorbidities on short-term outcomes following intervention for lumbar degenerative disc disease
- Spine 43 (2018)1363 - 71
- +Kalandadze,A. Wu,Y., Robonson,M.B.
- Protein kinase C activation decreases cell surface expression of the GLT-1 subtype of glutamate transporter. Requirement of a carboxy-terminal domain and partial dependence on serine 486
- J Biol Chem 277 (2002)45741 – 50
- +Kalaauokalani,D. Cherkin,D.C., Sherman,K.J., Koepsell,T.D., deyo,R.A.
- Lessons from a trial of acupuncture and massage for low back pain: patient expectations and treatment effects
- Spine 26 (2001)1418 – 24
- +Kalaauokalani,D. Cherkin,D.C., Sherman,K.J.
- A comparison of physician and nonphysician acupuncture treatment for chronic low back pain
- Clin J Pain 21 (2005)406 – 11
- +Kalff,R. Wirbelsäulenchirurgie: Systemische Studien notwendig
- Dt Ärztebl 105 (2008)365
- +Kalff,R. Ewald,C., Waschke,A., Gobisch,L., Hopf,C.
- Degenerative lumbale Spinalkanalstenose im höheren Lebensalter
- Dt Ärztebl 110 (2013)613 - 24
- Kalia,L.V. O'Connor,P.W.

- Severity of chronic pain and its relationship to quality of life in multiple sclerosis
- Mult Scler 11 (2005)322 – 7 (zit. Foley et al.,2013)
- +Kalichman,L. Cole,R., Kim,D.H., Li,L., Suri,P., Guermazi,A., Hunter,D.J.
- Spinal stenosis prevalence and association with symptoms: the Framingham Study
- Spine J 9 (2009a)545 – 50
- +Kalichman.L. Cole,R., Kim,D.H., Li,L., Suri,P., Guermazi,A., Hunter,D.J.
- Spinal stenosis: prevalence and associations with symptoms: the Framingham study
- Proceedings of the 25th annual meeting of the North American Spine Society, Orlando, FL, 2010
- Spine J 10 (2010b)9S: 34S – 35S
- +Kalichman,L. Hodges,P., Li,L., Guermazi,A., Hunter,D.J.
- Changes in paraspinal muscles and their association with low back pain and spinal degeneration: CT study
- Eur J Spine 19 (2010a)1136 - 44
- Kalichman,L. Klindukhov,A., Li,L., Linov,L.
- Indices of paraspinal muscles degeneration: reliability and association with facet joint osteoarthritis: feasibility study
- J Spinal Disord Tech (2013) Apr
- +Kalichman,L. Li,L., Kim,D.H., Guermazi,A., Berkin,V., O'Donnell,J.O., Hoffmann,U., Cole,R., Hunter,D.J.
- Facet joint osteoarthritis and low back pain in the community-based population
- Spine 33 (2008)2560 - 5
doi.org/10.1097/BRS.0b013e318184ef95
- +Kalichman,L. Kim,D.H., Li,L., Guermazi,A., Berkin,V., Hunter,D.J.
- Spondylolysis and spondylolisthesis. Prevalence and association with low back pain in the adult community-based population
- Spine 34 (2009)199 – 205

- +Kalichman,L. Kim,D.H., Li,L.Guermazi,A., Hunter,D.J.
Computed tomography-evaluated features of spinal degeneration: prevalence, intercorrelation, and association with self reported low back pain
Spine J 10 (2010)200 - 8
- +Kalichman,L. Li,L., Hunter,D.J., Been,E.
Association between computed tomography-evaluated lumbar lordosis and features of spinal degeneration, evaluated in supine position
Spine J 11 (2011)308 - 15
- Kalichman,L. Li,L., Kim,D.H.,Guermazi,A., Berkin,V., O'Donnell,C., Hoffmann,U., Cole,R., Hunter,J.
Facet joint osteoarthritis and low back pain in the community-based population
Spine 33 (2008)2560 – 5
doi.org/10.1097/BRS.0b013e318184ef95
- +Kälicke,T. Frangen,T.M., Seybold,D., Steuer,K., Arens,S.
Infantile Spondylolyse mit Spina bifida occulta beim Leistungssportler
Sportverl Sportschad 18 (2004)204 - 8
- +Kälin,S. Rausch-Osthoff,A.K., Bauer,C.M.
What is the effect of sensory discrimination training on chronic low back pain? A systematic review
BMC Musculoskelet Disord 17 (2016)143
- +Kallakuri,S. Cavanaugh,J.M., Blagoev,D.C.
An immunohistochemical study of innervation of lumbar spinal dura and longitudinal ligaments
Spine 23 (1998)403 – 11
- +Kallenborn-Gerhardt,W. Hohmann,S.W., Syhr,K.M.J., Schröder,K., Sisignano,M., Weigert,A., Lorenz,J.E., Lu,R., Brüne,B., Brandes,R.P., Geisslinger,G., Schmidtke,A.
Nox2-dependent signaling between macrophages and sensory neurons contributes to neuropathic pain hypersensitivity

- Pain 155 (2014)2161 - 70
- +Kallewaard,J.W. Geurts,J.W., Kessels,A., Willems;P., van Santbrink,H., van Kleef,M.
- Efficacy, safety, and predictors of intradiscal methylene blue injection for discogenic low back pain: results of a multicenter prospective clinical series
- Pain Pract 16 (2016)405 - 12
- +Kallewaard,J.W. Wintraecken,V.M., Geurts,J.W., Willems,P.C., van Santbrink,H., Terwiel,C.T.M., van Kleef,M., van Kulijk,S.M.J.
- A multicenter randomized controlled trial on the efficacy of intradiscal methylene blue injection for chronic discogenic low back pain: the IMBI study
- Pain 160 (2019)945 -53
- +Kalso,E. Oxycodone
- J Pain Symptom Manage 29 (2005)S 47 - 56
- +Kalso,E. Editorial: How different is oxycodone from morphine?
- Pain 132 (2007)227 - 8
- +Kalso,E. Allan,L., DelleMijn,P.L.I., Faura,C.C., Ilias,W.K., Jensen,T.S., Perrot,S., Plaghki,L.H., Zenz,M.
- Recommendations for using opioids in chronic non-cancer pain
- Eur J Pain 7 (2003)381 – 6
- +Kalso,E. Edwards,J.E., Moore,R.A., McQuay,H.I.
- Opioids in chronic non-cancer pain: systematic review of efficacy and safety
- Pain 112 (2004)372 – 80
- +Kalso,E. Pöyhiä,R., Onnela,P., Linko,K., Tigerstedt,I.
- Intravenous morphine and oxycodone for pain after abdominal surgery
- Acta Anaesth Scand 35 (1991)642 – 6
- +Kalyuzhny,A.E. Arvidson,U., Wu,W., Wesendorf,M.W.

- Mu-opioid and delta-opioid receptors are expressed in brainstem antinociceptive circuits: studies using immunocytochemistry and retrograde tract-tracing
J Neurosci 16 (1996)6490 – 503
- +Kalyuzhny,A.E. Wesendorf,M.W.
- Serotonergic and GABAergic neurons in the medial rostral ventral medulla express kappa-opioid receptor immunoreactivity
Neurosci 90 (1999)229 – 34
- +Kamalery,Y. Natvig,B., Ihlebaek,C., Bruusgaard,D.
- Localized or widespread musculoskeletal pain: Does it matter?
Pain 138 (2008)41 - 6
- +Kamada,M. Abe,T., Kitayuguchi,J., Imamura,F., Lee,I.M., Kadowaki,M., Sawada,S.S., Miyachi,M., Matsui,Y., Uchio,Y.
- Dose-response relationship between sports activity and musculoskeletal pain in adolescents
Pain 157 (2016)1339 - 45
- (+)Kamali,F. Sinaei,E., Taherkhani,E.
- Comparing spinal manipulation with and without Kinesio Taping in the treatment of chronic low back pain
J Bodywork Movem Ther 22 (2018)540 - 5
- Kambrun,C. Roca-Lapirot,O., Salio,C., Landry,M., Moqrich,A., Le Feuvre,Y.
- TAFA4 reverses mechanical allodynia through activation of GABAergic transmission and microglial process retraction
Cell Rep 22 (2018)2886 – 97
doi.org/10.1016/j.cellrep.2018.02.068
- +Kambur,O. Kaunisto,M.A., Winsvold,B.S., Wilsgaard,T., Stubhaug,A., Zwart,J.A., Kalso,E., Nielsen,C.S.
- Genetic variation in P2RX7 and pain tolerance
Pain 159 (2018)1064 - 72
- +Kameda,M. Tanimae,H.

- Effectiveness of active soft tissue release and trigger point block for diagnosis and treatment of low back and leg pain of predominantly luteus medius origin: a report of 115 cases
- J Phys Ther Sci 31 (2019)141 - 8
- +Kameda,T. Fukui,S., Tominaga,R., Sekiguchi,M., Iwashita,N., Ito,K., Tanaka-Mizuno,S., Konno,S.I.
- Brain metabolic changes in the anterior cingulate cortex of chronic low back pain patients and correlations between metabolites and psychological state
- Clin J Pain 34 (2018)657 - 63
- +Kameda,T. Sekiguchi,M., Kaneuchi,Y., Konno,S.I.
- Investigation of the effect of diabetes on radiculopathy induced by nucleus pulposus application to the DRG in an spontaneously diabetic rat model
- Spine 42 (2017)1749 - 56
- +Kamerman,P.R. Bradshaw,D., Laubscher,R., Pillay-van Wyk, Gray,G.E., Mitchell,D., Chetty,S.
- Almost 1 in 5 South African adults have chronic pain: a prevalence study conducted in a large nationally representative sample
- Pain 161 (2020)1629 - 35
- +Kameyama,T. Hashizume,Y., Ando,T., Takahashi,A., Yanagi,A., Mizumo,J.
- Spinal cord morphology and pathology in ossification of the posterior longitudinal ligament
- Brain 118 (1995)263 – 78
- Kamm,K. CMD-zahnärztliche Aspekte (“temporomandibular disorders – dental aspects”
- Vortrag auf dem Europäischen Kongress Manuelle medizin, Leipzig, 20.-22.4.2023
- Manuelle Med 61 (2023)192-3 doi.org/10.1007/s0037-023-00982-7
- (-)Kamonseki,D.H. Christenson,P., Rezvanifar,C., Calixtre,L.B.

- Effects of manual therapy on fear avoidance, kinesiophobia and pain catastrophizing in individuals with chronic musculoskeletal pain: systematic review and meta-analysis
- Musculoskel Sci Pract 51 (2021)102311
doi.org/10.1016/j.msksp.2020.102311
- Kamper,S. Global rating of change scales
- Austral J Physioth 55 (2009)289 doi.org/10.1016/S0004-9514(09)70015-7
- +Kamper,S.J. Logan,G., Copsey,B., Thompson,J., Machado,G., Abdel-Shaheed,C., Williams,C.M., Maher,C.G., Hall,A.M.
- What is usual care for low back pain? A systematic review of health care provided to patients with low back pain in family practice and emergency departments
- Pain 161 (2020)694 - 702
- Kamper,S.J. Smeets,R.J.E.M., Ostelo,R.W.J.G., Guzman,J., van Tulder,M.W.
- Multidisciplinary biopsychosocial rehabilitation for low back pain. Cochrane systematic review and meta-analysis.
- BMJ 350 (2015)h444 (zit. Nicholas, 2022a)
- +Kamper,S.J. Stanton,T.R., Williams,C.M., Maher,C.G., Hush,J.A.
- How is recovery from low back pain measured? A systematic review of the literature
- Eur Spine J 20 (2011)9 - 18
- +Kanai,Y. Hediger,M.A.
- The glutamate and neutral amino acid transporter family: physiological and pharmacological implications
- Eur J Pharmacol 479 (2003)237 – 47
- Kanayama,M. et al. Efficacy of serotonin receptor blocker for symptomatic lumbar disc herniation
- Clin Orthop 411 (2003)159 – 65 (zit Hashizume et al., 2007)
- Kandel,E.R. Schwartz,J.H., Jessell,T.M.
- Principles of Neural Science, 3rd ed., Norwalk, Appleton and Lange, 1991

- Kaneko,H. Zhang,S., Sekiguchi,M., Nikaido,T., Makita,K., Kurata,J., Konno,S.I.
Dysfunction of nucleus accumbens is associated with psychiatric problems in patients with chronic low back pain: a functional magnetic resonance imaging study
Spine 42 (2017)844 – 53 (zit. Laube, 2023)
doi.org/10.1097/BRS.0000000000001930
- +Kaneko,T. Caria,M.A., Asanuma,H.
Information processing within the motor cortex. II
Intracortical connections between neurons receiving somatosensoric cortical input and motor output neurons of the cortex
J Comp Neurol 345 (1994)172 – 84
- +Kanemoto,M. Hukuda,S., Komiya,Y., Katsuura,A., Nishioka,J.
Immunohistochemical study of matrix metalloproteinase-3 and tissue inhibitor of metalloproteinase-1 in human intervertebral disc
Spine 21 (1996)1098 – 104
- (-)Kaneoka,K. Shimizu,K., Hangai,M. et al.
Lumbar intervertebral disc degeneration in elite competitive swimmers
Am J Sports Med 35 (2007)1341 – 5 (zit. Esser, 2017)
- +Kaneko,H. Zhang,S., Sekiguchi,M., Nikaido,T., Makita,K., Kurata,J., Konno,S.I.
Dysfunction of nucleus accumbens is associated with psychiatric problems in patients with chronic low back pain. A functional magnetic resonance imaging study
Spine 42 (2017)844 - 53
- +Kaneuchi,Y. Sekiguchi,M., Kameda,T., Kobayashi,Y., Konno,S.I.
Temporal and spatial changes of mu-opioid receptors in the brain, spinal cord and dorsal root ganglion in a rat lumbar disc herniation model
Spine 44 (2018)85 - 95
- +Kang,H. Miksche,M.S., Elingsen,D.M.

	Association between personality traits and placebo effects: a preregistered systematic review and meta-analysis
	Pain 164 (2023)494 – 508 doi.org/10.1097/j.pain.0000000000002753
Kang,J.D.	Point of view
	Spine 31 (2006)1775
+Kang,J.D	Georgescu,H.I., McIntyre-Larkin,L., Stefanovic-Racic,M., Donaldson,W.F., Evans,C.H.
	Herniated lumbar intervertebral disc spontaneously produces matrix matalloproteinase, nitric oxide, interleukin-6 and prostaglandine E2
	Spine 21 (1996)271 – 7
+Kang,J.D.	Stefanovic-Racic,M., McIntyre,L.A., Georgescu,H.I., Evans,C.E.
	Toward a biochemical understanding of human intervertebral disc degeneration and herniation
	Spine 22 (1997)1065 – 73
(-)Kang,J.I.	Kwon,H.M., Jeong,D.K., Choi,H., Moon,Y.J., Park,J.S.
	The effects on postural control and low back pain according to the types of orthoses in chronic low back pain patients
	J Phys Ther Sci 28 (2016)3074 – 7 dio.org/10.1589/jpts.28.3074
+Kang,K.K.	Shen,M.S., Zhao,W., Lurie,J.D., Razi,A.E.
	Retrolisthesis and lumbar disc herniation: a postoperative assessment of patient function
	Spine J 13 (2013)367 - 72
+Kang,Y.-M.	Choi,W.S., Pickar,J.G.
	Electrophysiologic evidence for an intersegmental reflex pathway between paraspinel tissues
	Spine 27 (2002)E 56 - 63
-Kankaanpää,M.	Taimela,S., Laaksonen,D., Hnninen,O., Airaksinen,O.
	Back and hip extensor fatigability in chronic low back pain patients and controls

- Arch Phys Med Rehab 79 (1998)412 – 7
- +Kankaanpää,M. Taimela,S., Airaksinen,O., Hanninen,O.
- The efficacy of active rehabilitation in chronic low back pain. Effect on pain intensity, self-experienced disability, and lumbar fatigability
- Spine 24 (1999)1034 – 42
- +Kanna,R.M. Shetty,A.P., Rajasekaran,S.
- Patterns of lumbar disc degeneration are different in degenerative disc disease and disc prolapse. Magnetic resonance imaging analysis of 224 patients
- Spine J 14 (2014)300 - 7
- +Kanngiesser,M. Häussler,A., Myrczek,T., Küssener,N., Lim,H.Y., Geisslinger,G., Niederberger,E., Tegeder,I.
- Inhibitor kappa B kinase beta dependent cytokine upregulation in nociceptive neurons contribute to nociceptive hypersensitivity after sciatic nerve injury
- J Pain 13 (2012)485 - 97
- +Kanno,H. Aizawa,T., Ozawa,H., Koizumi,Y., Morozumi,N., Itoi,E.
- An increase in the degree ofolisthesis during axial loading reduces the dural sac size and worsens clinical symptoms in patients with degenerative olisthesis
- Spine J 18 (2018)726 - 33
- +Kanstorf,R. Manualtherapeutische Behandlung in Verbindung mit Schuheinlagenversorgung
- Manuelle Med 48 (2010)23 - 7
- +Kao,C. Uihlein,A., Bickel,W., Soule,E.H.
- Lumbar intraspinal extradural ganglion cyst
- J Neurochir 29 (1968)168 – 72
- Kapandji,I.A. Bewegingsleer, Deel III, De romp en de wervelkolom,
- Bohn, Scheltema & Holkema, Utrecht/Antwerpen, 1986 (zit. Meert, 2006)
- Kapandji,I.A. Koebke,J.

- Funktionelle Anatomie der Gelenke. Schematisierte und kommentierte Zeichnungen zur menschlichen Biomechanik.
Stuttgart, Thieme, 2006 S. 50 – 9 (zit. Steinke et al., 2010)
- +Kaplan,D.R. Miller,F.D.
Neurotrophin signal transduction in the nervous system
Curr Opin Neurobiol 10 (2000)381 – 91
- +Kaplan,S.H. Greenfield,S., Ware,J.E.
Assessing the effects of physician-patient interactions on the outcomes of chronic disease
Med Care 27 (1989) Suppl S110 - 27
- +Kappler,R.E. Postural balance and motion patterns
JAOA 81 (1982)598 – 606
- +Kapural,L. Hayek,S., Malak,O., Arrigain,S., Mekhail,N.
Intradiscal thermal anulo-plasty versus intradiscal radiofrequency ablation for the treatment of discogenic pain: a prospective matched control trial
Pain Med 6 (2005)425 – 31
- Kapural,L. Mekhail,N., Bena,J., McLain,R., Tetzlaff,J., Kapural.,M., Mekhail.M., Polk,S.
Value of the magnetic resonance imaging in patients with painful lumbar spinal stenosis (lss) undergoing lumbar epidural steroid injections
Clin J Pain 23 (2007)571 – 5
- Kar,A.N. MacGibeny,M.A., Gervasi,N.M., Gioio,A.E., Kaplan,B.B
Intra-axonal synthesis of eukaryotic translation initiation factors regulates local protein synthesis and axon growth in rat sympathetic neurons
J Neurosci 33 (2013)7165 – 74 (zit. Gale et al., 2022)
- Karahan,A. Kav,S., Abbasoghi,A., Dogan,N.
Low back pain prevalence and associated risk factors among hospital staff
J Adv Nurs 65 (2009)516 – 24 (zit. Shiri et al., 2010)

- +Karamouzian,S. Eskandary,H., Faramarzee,M., Saba,M., Safizade,H., Ghadipasha,M., Malekpoor,A.R., Ohadi,A.
- Frequency of lumbar intervertebral disc calcification and angiogenesis, and their correlation with clinical, surgical, and magnetic resonance imaging findings
- Spine 35 (2010)881 – 6
- +Karasek,M. Bogduk,N.
- Twelve-month follow-up of a controlled trial of intradiscal thermal anuloplasty for back pain due to internal disc disruption
- Spine 25 (2000)2601 – 7
- +Karayannis,N.V. Jull,G.A., Hodges,P.W.
- Physiotherapy movement based classification approaches to low back pain: comparison of subgroups through review and development/ expert survey
- BMC Musculoskelet Disord 13 (2012)24
- +Karchevsky,M. Schweitzer,M.E., Carrino,J.A., Zoga,A., Montgomery,D., Parker,L.
- Reactive endplate marrow changes: A systemic morphologic and epidemiologic evaluation
- Skeletal Radiol 34 (2005)125 – 9
- +Karikari,I.O. Bowles,R., Setton,L.
- Correlation of pain response and in vivo imaging of NF-kappa B activity in a model of radiculopathy
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;
- Spine J 13 (2013) Suppl 9S: 54S – 55S
- +Karlsson,M. Bergenheim,A., Larsson,M.E.H., Nordeman,L., van Tulder,M., Bernhardsson,S.
- Effects of exercise therapy in patients with acute low back pain: a systematic review of systematic reviews
- System Rev 9 (2020)182

- +Karvelas,D.A. Rundell,S.D., Friedly,J.L., Gellhorn,A.C., Gold,L.S., Comstock,B.A., Heagerty,P.H., Bresnahan,,B.W., Nerenz,D.R., Jarvik,J.G.
- Subsquent health-care utilisation associated with early physical therapy for new episodes of low back pain in older adults
- Spine J 17 (2017)380 - 9
- +Kathmann,W. Berichterstattung vom Symposium “Therapie von muskulären und faszialen Schmerzen” anlässlich des Schmerz- und Palliativtages 2016, Frankfurt/Main, 3.3.2016
- Schmerz 30 (2016)3: Pharmawissen aktuell
- +Kariko,K. Ni,H., Capodici,J., Lamphier,M., Weissman,D.
- mRNA is an endogenous ligand for toll-like receptor 3
- J Biol Chem 279 (2004)12542 – 50
- +Karjalainen,K. Malmivaara,A., van Tulder,M., Roine,R., Jauhiainen,M., Hurri,H., Koes,B.
- Multidisziplinäre biopsychosoziale Rehabilitation für subakute low back pain in working-age adults – a systematic review within the framework of the Cochrane Collaboration Back Review Group
- Spine 26 (2001)262 – 9
- +Karjalainen,K. Malmivaara, A., Pohjolainen,T., Hurri,H., Mutanen,P., Rissanen,P., Pakkajärvi,H., Levon,H., Karpoff,H., Roine,R.
- Mini-intervention for subacute low back pain: a randomized controlled trial
- Spine 28 (2003)533 – 40
- +Karjalainen,U. Paananen,M., Okuloff,A., Taimela,S., Auvinen,J., Männikö,A., Karppinen,J.
- Role of environmental factors and history of low back pain in sciatica symptoms among Finnish adolescents
- Spine 38 (2013)1105 - 11
- +Karoly,P. Ruehlmann,L.S.
- Psychological „resilience“ and its correlates in chronic pain: findings from a national community sample

- Pain 123 (2006)90 - 7
- +Karppinen,J. Daavittila,L., Solovieva,S., Kuisma,M., Taimela,M., Natri,A., Haapea,M., Korpelainen,R., Niinimäki,J., Tervonen,O., Ala-Kokko,L., Männikkö,M.
- Genetic factors are associated with modic changes in endplates of lumbar vertebral bodies
- Spine 33 (2008)1236 - 41
- +Karppinen,J. Daavittila,L., Noponen,N., Haapea,M., Taimela,S., Vanharanta,H., Ala-Kokko,L., Männikkö,M.
- Is the interleukin-6 haplotype a prognostic factor for sciatica?
- Eur J Pain 12 (2008)1018 - 25
- +Karppinen,J. Malmivaara,A., Kurunlahti,M., Kyllönen,E., Pienimäki,T., Nieminen,P., Ohinmaa,A., Tervonen,O., Vanharanta,H.
- Periradicular infiltration for sciatica: a randomized controlled trial
- Spine 26 (2001a)1059 – 67
- +Karppinen,J. Ohinmaa,A., Malmivaara,A., Kurunlahti,M., Kyllönen,E., Pienimäki,T., Nieminen,P., Tervonen,O., Vanharanta,H.
- Cost effectiveness of periradicular infiltration for sciatica: subgroup analysis of a randomized controlled trial
- Spine 26 (2001b)2587 – 95
- +Karran,E.A. Grant,A.R., Moseley,G.L.
- Low back pain and the social determinants of health: a systematic review and narrative synthesis
- Pain 161 (2020)2476 - 93
- +Karsdorp,P.A. Ranson,S., Schrooten,M.G.S., Vlaeyen,J.W.S.
- Pain catastrophizing, threat, and the informational value of mood: Task persistence during a painful finger test
- Pain 153 (2012)1410 - 7
- +Karsdorp,P.A. Vlaeyen,J.W.S.
- Goals matter: Both achievement and pain-avoidance goals are associated with pain severity and disability in patients with low back pain and upper extremity pain

- Pain 152 (2011)1382 - 90
- +Karsy,M. Chan,A.K., Mummaneni,P.V., Virk,M., Bydon,M., Glassman,S.D., Foley,K.T., Potts,E.A. und 11 weitere Autoren
- Outcomes and complications with age in spondylolisthesis. An evaluation of the elderly from the Quality Outcome Database
- Spine 45 (2020)1000 - 8
- +Karthä,S. Zeeman,M.E., Baig,H.A., Guarino,B.B., Winkelstein,B.A.
- Upregulation of BDNF and NGF in cervical intervertebral discs exposed to painful whole-body vibration
- Spine 39 (2014)1542 - 8
- +Kasahara,K. Nakagawa,T., Kubota,T.
- Neuronal loss and expression of neurotrophic factors in a model of rat chronic compressive spinal cord injury
- Spine 31 (2006)2059 – 66
- +Kasch,R. Truthmann,J., Hancock,M., Maher,C.G., Otto,M., Nell,C., Reichwein,N., Bülow,R. und weitere 4 Autoren
- Association of lumbar MRI findings with current and future back pain in a population-based cohort study
- Spine 47 (2022)201 – 11
doi.org/10.1097/BRS.00000000000004198
- +Kashima,T.G. Dongre,A., Athanasou,N.A.
- Lymphatic involvement in vertebral and disc pathology
- Spine 36 (2011)899 - 904
- +Kashiwagi,M. Tortorella,M., Nagase,H., Brew,K.
- TIMP-3 is a potent inhibitor of aggrecanase 1 (ADAM-TS4) and aggrecanase 2 (ADAM-TS5)
- J Biol Chem 276 (2001)12501 – 4
- Kasparian,H. Signoret,G., Kasparian,J.
- Quantification of motion palpation
- J Am Osteop Assoc 115 (2015)604 – 10
doi.org/10.7556/jaoa.2015.121 (zit. Bordoni et al., 2019)

- +Kasra,M. Goel,V., Martin,J., Wang,S.T., Choi,W., Buckwalter,J.
Effect of dynamic hydrostatic pressure on rabbit intervertebral disc cells
J Orthop Res 21 (2003)597 – 603
- +Kasra,M. Parnianpour,M., Shirazi-Adl,A., Wang,J.L., Gryn timer,M.D.
Effect of strain rate on tensile properties of sheep disc anulus fibrosus
Technol Health Care 12 (2004)333 – 42
- +Kassirer,M.R. Osterberg,D.H.
Pain in multiple sclerosis
J Pain Symptom Manage 2 (1987)95 – 7
- +Kassuya,C. Ferreira,J., Claudino,R.E., Calixto,J.B.
Intraplantar PGE2 causes nociceptive behavior and mechanical allodynia: the role of prostaglandin E2 receptors and protein kinases
Br J Pharmacol 150 (2007)727 – 37
- +Kato,K. Kikuchi,S.I., Konno,S.I., Sekiguchi,M.
Participation of 5 – hydroxytryptamine in pain-related behavior induced by nucleus pulposus applied on the nerve root in rats
Spine 33 (2008)1330 - 6
- Kato,K. Sekiguchi,M., Kikuchi,S.I., Konno,S.I.
The effect of a 5-HT_{2A} receptor antagonist on pain related behavior, endogenous 5-hydroxytryptamine production, and the expression 5-HT_{2A} receptors in dorsal root ganglia in a rat lumbar disc herniation model
Spine 40 (2015)357 - 62
- +Kato,K. Sekiguchi,M., Nikaido,T., Otoshi,K.i., Matsuo,Y., Igari,T., Kobayashi,Y., Takegami,M., Fukumori,N., Fukuma,S., Kikuchi,S.i., Fukuhara,S.i., Konno,S.i.
Psychosocial stress after a disaster and low back pain-related interference with daily living among college students. A cohort study in Fukushima

- Spine 42 (2017)1255 - 68
- +Kato,T Haro,H., Komori,H., Shinomiya,K.
- Sequential dynamics of inflammatory cytokine, angiogenesis inducing factor and matrix degrading enzymes during spontaneous resorption of the herniated disc
- J Orthop Res 22 (2004)895 – 900
- +Katsuno,R. Hasegawa,T, Iwashina,T., Sakai,D., Mikawa,Y., Mochida,J.
- Age-related effects of cocultured rat nucleus pulposus cells and macrophages on nitric oxide production and cytokine imbalance
- Spine 33 (2008)845 - 9
- +Katz,J. Penella-Vaughan,J., Hetzel,R.D., Kanazi,G.E., Dworkin,R.H.
- A randomized, placebo-controlled trial of bupropion sustained release in low back pain
- J Pain 6 (2005)656 – 61
- +Katz,N. Methodological issues in clinical trials of opioids for chronic pain
- Neurology 65 (2005)S32 – 49
- +Katz,N. Borenstein,D.G., Birbara,C., Bramson,C., Nemeth,M.A., Smith,M.D., Brown,M.T.
- Efficacy and safety of tanezumab in the treatment of chronic low back pain
- Pain 152 (2011)2248 - 58
- +Katz,N. Ju,W.D., Krupa,D.A., Sperling,R.S., Rodgers,D.B., Gertz,B.J. und weitere 5 Autoren
- Efficacy and safety of rofecoxib in patients with chronic low back pain: results from two 4-week, randomized, placebo-controlled, parallel-group, double-blind trials
- Spine 28 (2003)851 – 8
- +Katz,N. Kopecky,E.A., O'Connor,M., Brown,R.H., Fleming,A.B.
- A phase 3, multicenter, randomized, double-blind, placebo-controlled, safety, tolerability, and efficacy study of Xtampza ER in patients with moderate to severe chronic low back pain

Pain 156 (2015)2458 - 67

+Katz,N.

Rauck,R., Ahdieh,H., Ma,T., van der Hoop,R.G., Kerwin,R., Podolsky,G.

A 12 week, randomized, placebo-controlled trial assessing the safety and efficacy of oxymorphone extended release for opioid-naïve patients with chronic low back pain

Curr Med Res Opin 23 (2007)117 – 28

+Katz,N.

Rodgers,D.B., Ktupa,D., Reicin,A.

Onset of pain relief with rofecoxib in chronic low back pain: results of two 4-week, randomized, placebo-controlled trials

Curr Med Res Opin 20 (2004)651 – 8

+Katz,N.P.

Adams,E.H., Chilcoat,H., Colucci,R.D., Comer,S.D., Goliber,P., Grudzinskas,C., Jasinski,D., Lande,S.D., Passik,S.D., Schnoll,S.H., Sellers,E., Travers,D., Weiss,R.

Challenges in the development of prescription opioid abuse-deterrent formulations

Clin J Pain 23 (2007)648 – 60

+Katz,S.

Downs,,T.D., Cash,H.R., Grotz,R.C.

Progress in the development of the index of ADL

Gerontologist 10 (1970)20 – 30

-Katz,S.

Ford,A.B., Moskowitz,R.W., Jackson,B.A., Jaffe,M.W.

Studies of illness in the aged: the index of ADL, a standardized measure of biological and psychocological function

JAMA 185 (1963)914 – 9 (zit. Kohlmann & Raspe, 1994)

+Katz,V.

Schofferman,J., Reynolds,J.

The sacroiliacal joint: a potential cause of pain after lumbar fusion to the sacrum

J Spinal Disord Tech 16 (2003a)96 – 9

+Katzan,I.

Thompson,N.R., George,S.Z., Passek,S., Frost,F., Stiphen,M.

The use of StarT back screening tool to predict functional disability outcomes in patients receiving physical therapy for low back pain

Spine J 19 (2019)645 - 54

Kauppila,L.I. Blood supply of the lower thoracis and lumbosacral regions. Postmortem aortography in 38 young adults

Acta Radiol 35 (1994)541 – 4 (zit. Jhawar et al., 2006)

Kauppila,L.I. Ingrowth of blood vessels in disc degeneration: angiographic and histological studies of cadaveric spines

J Bone Joint Surg Am 77 (1995)26 – 31 (zit. Jhawar et al., 2006)

Kauppila,L.I. Prevalence of stenotic changes in arteries supplying the lumbar spine: a post-mortem angiographic study on 140 subjects

Ann Rheum Dis 56 (1997)591 – 5

+Kauppila, L.I. Mikkonen,R., Mankinen,P., Pulto-Vasenius,K., Mäenpää,J.

MR aortography and serum cholesterol levels in patients with long-term nonspecific lower back pain

Spine 29 (2004)2147 – 52

+Kauppila,L.I. Pentillä,A., Karhunen,P.J., Lalu,K., Hannikainen,P.

Lumbar disc degeneration and atherosclerosis of the abdominal aorta

Spine 19 (1994)923 – 9

+Kavar,B. Rosenfeld,J.V., Hutchinson,A.

The efficacy of spinal cord stimulation for chronic pain

J Clin Neurosci 7 (2000)409 – 13

+Kavcic,N. Grenier,S., McGill,S

Determining the stabilizing role of individual torso muscles during rehabilitation exercises

Spine 29 (2004)1254 – 65

+Kavcic,N. Grenier,S., McGill,S.

Quantifying tissue loads and spine stability while performing commonly prescribed low back stabilizing exercises

Spine (2004)2319 - 29

- +Kawabata,A. Ishiki,T., Nagasawa,K., Yoshida,S., Maeda,Y., Takahashi,T., Sekiguchi,F., Wada,T., Ichida,S., Nishikawa,H.
Hydrogen sulfide as a novel nociceptive messenger
Pain 132 (2007)74 - 81
- +Kawabata,H. Setoguchi,T., Yone,K., Souda,M., Yoshida,H., Kawahara,K., Maruyama,I., Komiya,S.
High mobility group box 1 is upregulated after spinal cord injury and is associated with neuronal cell apoptosis
Spine 35 (2010)1109 - 15
- +Kawaguchi,S. Yamashita,T., Katahira,G., Yokozawa,H., Torigoe,T., Sato,N.
Chemokine profile of herniated intervertebral discs infiltrated with monocytes and macrophages
Spine 27 (2002)1511 – 6
- Kawaguchi,S. Yamashita,T., Yokogushi,K., Murakami,T., Ohwada,O., Sato,N.
Immunophenotypic analysis of the inflammatory infiltrates in herniated intervertebral discs
Spine 26 (2001)1209 – 14 (zit. Nakazawa et al., 2018)
- +Kawaguchi,Y. Osada,R., Kanamori,M., Ishihara,H., Ohmori,K., Matsui,H., Kimura,T.
Association between the aggrecan gene polymorphism and lumbar disc degeneration
Spine 24 (1999)2456 – 60
- +Kawaguchi,Y. Kanamori,M., Ishihara,H., Ohmori,K., Matsui,H., Kinura,T.
The association of lumbar disc disease with vitamin D receptor gene polymorphism
J Bone Joint Surg Am 84 (2002)2022 – 8
- Kawahara,H. Sakamoto,A., Takeda,S. et al.
A prostaglandin E2 receptor subtype Ep1 receptor antagonist (ONO-8711) reduces hyperalgesia, allodynia and c-fos expression in rats with chronic nerve constriction
Anest Analg 93 (2001)1012 – 7 (zit. Sekiguchi et al., 2011)

- +Kawakami,M. Weinstein,J.N., Chatani,K.I., Spratt,K.F., Melier,S.T., Gebhart,G.F.
- Experimental lumbar radiculopathy. Behavioral and histologic changes in a model of radicular pain after spinal nerve root irritation with chronic gut ligatures in the rat
- Spine 19 (1994)1795 – 802
- +Kawakami,M. Tamaki,T., Hashizume,H., Weinstein,J.N., Meller,S.T.
- The role of phospholipase A2 and nitric oxide in pain-related behavior produced by an allograft of intervertebral disc material to the sciatic nerve of the rat
- Spine 22 (1997)1074 – 9
- Kawakami,M. Tamaki,T., Weinstein,J.N., Hashizume,H., Nishi,H., Meller,S.T.
- Pathomechanism of pain-related behaviour produced by allografts of intervertebral disc in the rat
- Spine 21 (1996)2101 – 7
- Kawakami,M. Matsumoto,T., Kuribayashi,K. et al.
- mRNA expression of interleukins, phospholipase A2 and nitric oxide synthase in the nerve root and dorsal root ganglion induced by autologous nucleus pulposus in the rat
- J Orthop Res 17 (1999)941 – 6
- Kawakami,M. Hashizume,H., Matsumoto,T., Enyo,Y., Okada,M., et al.
- Safety of epidural administration of osteogenic protein – 1 (OP-1): behavioral and macroscopic observation
- Spine 32 (2007)1388 – 93
- +Kawarai,Y. Jang,S.H., Lee,S., Millemans,M., Kang,H.M., Gregoire,S., Suzuki-Narita,M., Ohtori,S., Stone,L.
- Exercise attenuates low back pain and alters epigenetic regulation in intervertebral discs in a mouse model
- Spine J 21 (2021)1938 – 49
doi.org/10.1016/j.spinee.2021.06.002
- Kawasaki,Y. Xu,Z.Z., Wang,X., Park,J.Y., Zhuang,Z.Y., Tan,P.H., Gao,Y.J., Roy,K. und weitere 3 Autoren
- Distinct roles of matrix-metalloproteases in the early- and late-phase development of neuropathic pain

- Nat Med 14 (2008)331 – 6 (zit. Gale et al., 2022)
- +Kawchuk,G.N. Carrasco,A., Beecher,G., Goertzen,D., Prasad,N.
- Identification of spinal tissues loaded by manual therapy. A robot-based serial dissection technique applied in porcine motion segments
- Spine 35 (2010)1983 - 90
- +Kawchuk,G.N. Edgecombe,T.L., Wong,A.Y.L., Cojocaru,A., Prasad,N.
- A non-randomized clinical trial to assess the impact of nonrigid, inelastic corsets on spine function in low back pain participants and asymptomatic controls
- Spine J 15 (2015)2222 - 7
- +Kawchuk,G.N. Herzog,W.
- Biochemical characterisation (fingerprinting) of five novel methods of cervical spine manipulation
- J Manipulative Physiol Ther 16 (1993)573 – 7
- Kay,A. An extensive literature review of the lumbar multifidus: anatomy
- J Manual Manipulative Ther 8 (2000)102 – 14 (zit. Jordan, 2006)
- Kay,D.M. Stevens,C.F., Hamza,T.H. et al.
- A comprehensive analysis of deletions, multiplications and copy number variations in PARK2
- Neurology 75 (2010)1189 – 94 (zit. Mayer et al., 2013)
- Kayama,S. Konno,S., Olmarker,K., Shoji,Y., Kikuchi,S.
- Incision of the anulus fibrosus induces nerve root morphologic, vascular and functional changes. An experimental study
- Spine 21 (1996)2539 – 43
- +Kayama,S. Olmarker,K., Larsson,K., Sjögren-Jansson,E., Lindahl,A., Rydevik,B.
- Cultured, autologous nucleus pulposus cells induce functional changes in spinal nerve roots
- Spine 23 (1998)2155 – 8

Kayse,R.	Gemeinsar Konsens der Seminare der DGMM Manuelle Med (2007)&: 516 (so zit. harke & Linz, 2012)
+Kayser,R.	Das Sakroiliakalgelenk und die sakroiliakale Dysfunktion. Review – Literaturüberblick Manuelle Med 46 (2008)69 – 72
+Kayser,R.	Diagnostik der lumbalen Instabilität Manuelle Med 57 (2019)391 -9
+Kayser,R.	Moll,H., Harke,G. Sakroiliakalgelenk: Diagnostik und Behandlung einer sakroiliakalen Dysfunktion - Technikvorstellung Manuelle Medizin 46 (2008)73 - 6
+Kayser,V.	Elfassi,I.E., Aubel,B., Melfort,M., Julius,D., Gingrich,J.A., Hamon,M., Bourgoin,S. Mechanical, thermal and formalin-induced nociception is differentially altered in 5-HT 1A -/-, 5-HT 1B -/-, 5-HT 2A -/-, 5- HT 3A -/- and 5-HT -/- knock-out male mice Pain 130 (2007)235 – 48
+Kazberouk,A.	McGuire,K., Landon,B.E. A survey of innovative reimbursement models in spine care Spine 41 (2016)344 - 52
+KBV	Kassenärztliche Bundesvereinigung / Bundesärztekammer: Mitteilungen. Neue Versorgungsleitlinie Unipolare Depression Dt Ärztebl 106 (2009)A1386
+KBV	Tapentadol Wirkstoff aktuell Ausgabe 3/2012
+KBV	Oxycodon/Naloxon Wirkstoff aktuell Ausgabe 6/2012a
+KBV	Orale und transdermale Analgetika bei degenerativen Gelenkerkrankungen Wirkstoff aktuell Ausgabe 3/2014

- +Keaveny,T.M. Morgan,E.F., Niebur,G.L., Yeh,O.C.
Biomechanics of trabecular bone
Annu Rev Biomed Eng 3 (2001)307 – 33
- +Kebaish,K.M. Neubauer,P.R., Voros,G.D., Khoshnevisan,M.A., Skolasky,R.L.
Skoliosis in adults aged forty years and older. Prevalence and relationship to age, race, and gender
Spine 36 (2011)731 - 6
- +Kedong,H. Wang,D., Sagaram,M., An,H.S., Chee,A.
Anti-inflammatory effects of interleukin-4 on intervertebral disc cells
Spine J 20 (2020)60 - 8
- Kedra,A. Czaprowski,D.
Epidemiology of back pain in children and youth aged 10 – 19 from the area of the South East of Poland
Biomed Res Int (2013) 506823
doi.org/10.1155/2013/506823
- Kedra,A. Kolwicz-Ganko,A., Sitarski,D., Kedra,P., Czaprowski,D.
Prevalence of back pain and the knowledge of preventive measures in a cohort of 11619 Polish school-age children and youth – an epidemiological study
Medicine 98 (2019)e15792
doi.org/10.1097/00000000000015729
- +Keeble,J.E. Bodgin,J.V., Liang,L., Wodarski,R., Davies,M., Soares Fernandes,M., de Faria Coelho,C., Russell,F., Graepel,R., Muscara,M.N., Malcangio,M., Brain,S.D.
hydrogen peroxide is a novel mediator of inflammatory hyperalgesia, acting via transient receptor potential vllinoid 1 – depent and indepent
Pain 141 (2009)135 - 42
- +Keefe,F.J. Bradley,L.A., Crisson,J.E.
Behavioral assessment of low back pain: identification of pain behavior subgroups
Pain 40 (1990)153 -

- +Keefe,F.J. Brown,G.K., Wallston,K.A., Caldwell,D.S.
Coping with rheumatoid arthritis pain: catastrophizing as a maladaptive strategy
Pain 37 (1989)51 – 60
- +Keefe,F.J. Shelby,R.A., Somers,T.J.
Catastrophizing and pain coping: Moving forward (commentary)
Pain 149 (2010)165 - 6
- +Keefe,F.J. Somers,T.J., Kothadia,S.M.
Coping with pain
Pain Clin Updates 27 (2009)5: 1 - 5
- +Keel,P. Rückenschmerz – so verhindern Sie den Absturz in die Invalidität. Fahrplan für eine Stufentherapie
MMW-Fortschr Med 141 (1999)277 - 82
- Keel,P. et al. Chronicisation des douleurs du dos: problematique issues. Raport final du Programme National de recherche No. 26B. Bale Editions EULAR, 1996 (zit. Bishop & Wing, 2006)
- +Keel,P. Wittig,R., Diethelm,U., Knüsel,O., Rudolf,T., Spring,H.
Projet d'intervention multicentrique pour la rehabilitation fonctionnelle de patients affectes par des lombalgies, a l'aide d'un programme de traitement integre et oriente sur les methodes de la medecine sportive
(Multizentrisches Interventionsprojekt zur funktionellen Wiederherstellung von Patienten mit lumbalen Rückenschmerzen durch ein integriertes, sportmedizinisch orientiertes Behandlungsprogramm)
In: Keel,P., Perini,C., Schütz-Petitjean,D. (Hrsg.): Chronifizierung von Rückenschmerzen: Hintergründe, Auswege. Schlussbericht des nationalen Forschungsprogramms Nr. 26B; EULAR Verlag, Basel, 1996, S. 104- 13
- Keel,P. et al. Kreuzschmerzen: Hintergründe, Prävention, Behandlung, Basisdokumentation. Bern: Verbindung der Schweizer Ärzte (FMH), 1998 (zit. Koes et al., 2001)
- +Keeley,P. Creed,F., Tomenson,B., Todd,C., Borglin,G., Dickens,C.

- Psychosocial predictors of health service utilisation in people with chronic low back pain
Pain 135 (2008)142 – 50
- +Keeney,B.J. Turner,J.A., Fulton-Kehoe,D., Wickizer,T.M., Chan,K.C.G., Franklin,G.M.
Early predictors of occupational back reinjury. Results from a prospective study of workers in Washington state
Spine 38 (2013)178 - 87
- +Keifel,F. Beyer,L., Wi nkelmann,C.
Wirksamkeit klassischer Massagetherapie bei chronischen Rückenschmerzen und Funktionsstörungen im Bewegungssystem. Eine Sekundärdatenanalyse
Manuelle Med 58 (2020)321 - 6
- +Keijsers,J.F.E.M. Groenman,N.H., Gerards,F.M., van Oudheusden,E., Steenbakkers,M.
A back school in the Netherlands: evaluation the results
Patient Educ Couns 14 (1989)31 – 44
- +Keijsers,J.F.E.M. Steenbakkers,W.H.L., Meerten,R.M., Bouter,L.M., Kok,G.J.
The efficacy of the back school: a randomized trial
Arthritis Care Res 3 (1990)204 – 9
- +Keitel,W. Hoffmann,H., Weber,C., Krieger,U.
Ermittlung der prozentualen Funktionsminderung der Gelenke durch einen Bewegungsfunktionstest in der Rheumatologie
Dt Gesundheitswes 26 (1971)1901 – 3
- +Keitel,W. Frerick,H., Kuhn,U., Schmidt,U., Kuhlmann,M., Bredehorst,A.
Capsicum pain plaster in chronic non-specific low back pain
Arzneimittelforschung 51 (2001)896 – 903
- +Keller,A. Brox,J.I., Gunderson,R., Holm,I., Friis,A., Reikeräs.O.
Trunk muscle strength, cross-sectional area and density in patients with chronic low back pain randomized to lumbar fusion or cognitive intervention and exercises

- Spine 29 (2004)3-8
- +Keller,A. Hayden,J., Bombardier,C., van Tulder,M.
Effect sizes of non-surgical treatments of non-specific low back pain
Eur Spine J 16 (2007)1776 - 88
- +Keller,A.F. Coull,J.A., Chery,N., Poisbeau,P., de Koninck,Y.
Region-specific developmental specialization of GABA-glycine cosynapses in laminae I – II of the rat spinal dorsal horn
J Neurosci 21 (2001)7871 - 80
- +Keller,S. Bauer,B., Herda,C., Marx,O., Küster,T., Basler,H.D.
Auswirkung einer Rückenschule auf Befinden, Verhalten, Einstellungen und Muskelaktivität – Ergebnisse einer kontrollierten Studie
Z Gesundheitspsychol 4 (1996)179 – 96
- +Keller,T.S. Colloca,C.J.
Mechanical force spinal manipulations increases trunk muscle strength assessed by electromyography: a comparative clinical trial
J Manipulative Physiol Ther 23 (2000)585 – 95
- +Keller,T.S. Colloca,C.J., Gunzburg,R.
Neuromechanical characterisation of in vivo lumbar spinal manipulation. Part I. vertebral motion
J Manipulative Physiol Ther 26 (2003)567 - 78
- +Kellett,K.M. Kellett,D.A., Nordholm,L.A.
Effects of an exercise program on sick leave due to back pain
Phys Ther 71 (1991)283 – 90
- +Kellett,K.M. Kellett,D.A., Nordholm,L.A.,
Author response
Phys Ther 71 (1991)293 (zit. Haigh & Clarke, 1999)
- +Kellgren,J.H. Observations on referred pain arising from muscle
Clin Sci 3 (1938)175 – 90

- +Kellgreen,J.H. On the distribution of pain arising from deep somatic structures with charts of segmental pain areas
Clin Sci 4 (1939)35 – 46
- Kelsey,J.L. An epidemiological study of acute herniated lumbal intervertebral disc
Rheumatol Rehab 14 (1975)144 – 59 (zit. Siemionow et al., 2006)
- Kelsey,J.L. Githens,P.B., O’Conner,T., Weil,W., Calogero,J.A., Holford,R., ..., Southwick,W.O. und weitere 3 Autoren
Acute prolapsed lumbar disc: an epedemiologic study with special reference to driving automobiles and cigarette smoking
Spine 9 (1984a)608 - 13
- +Kelsey,J.L. Hardy,R.J.
Driving of motor vehicles as a risk factor for acute herniated lumbal intervertebral disc
Am J Epidemiol 102 (1975)63 – 73
- +Kelsey,J.L. Githens,P.B., White,A.A., White,A.A., Holford,T.R., Walter,S.D., O’Connor,T., Ostfeld,A.M., Weil,U., Southwick,W.O., Calogero,J.A.
An epidemiological study of lifting and twisting on the job and risk for acute prolapsed intervertebral disc
J Orthop Res 2 (1984)61 – 6
- +Kemani,M.K. Olsson,G.L., Lekander,M., Hesser,H., Andersson,E., Wicksell,R.K.
Efficacy and cost-effectiveness of acceptance and commitment therapy and applied relaxation for longstanding pain. A randomized controlled trial
Clin J Pain 31 (2015)1004 - 16
- +Kemp,J. Despres,O., Pebayle,T., Dufour,A.
Differences in age related effects on myelinated and unmyelinated peripheral fibers: a sensitivity and evoked potentials study
Eur J Pain 18 (2014)482 – 8

+Kemp,J.A.	McKernan,R.M. NMDA receptor pathways as drug targets Nat Neurosci 5(2002)1039 – 42
Kempf,H.D.	Die Neue Rückenschule. Das Praxisbuch Springer Medizin Verlag, Heidelberg, 2010
Kempta Lekpa,F.	Enyama,D., Noukeu Njinkui,D. Ngongang Chiedjo,A., Simeni Njonnou,S.R., Ngongang Ouankou,C., Namme Luma,H., Choukem,S. Prevalence and factors associated with low back pain in schoolchildren in Cameroon, sub-saharian Africa Int J Rheum Dis 24 (2021)1186 – 91 doi.org/10.1111/1756-185X.14172
(-)Kenal,K.	Knapp,L.D. Rehabilitation of injuries in competitive swimmers Sports Med 5 (1996)337 – 45 (zit. Esser, 2017)
+Kenanidis,E.	Potoupnis,M.E., Papavasilou,K.A., Sayeg,F.E., Kapetanios,G.A. Adolescent idiopathic scoliosis and exercising: is there truly a liaison? Spine 33 (2008)2160 - 5
Kendall,F.P.	Kendall-McCreary,E. Muskeln: Funktionen und Tests Stuttgart, New York; Fischer, 1985
Kendall,F.P. et al.	Muscles, Testing, and Function Philadelphia, Lippincott, Williams & Wilkins, 1993 (zit. Rennie, 2007)
Kendall,N.A.S.	Linton,S.J., Main,C.J. Guide to assessing psychosocial yellow flags in acute low back pain: risk factors for long term disability and work loss. Wellington, NZ: Accident Rehabilitation and Compensation Insurance Cooperation of New Zealand and National Health Committee; 1997
+Kendall,S.E.	Sjogren,P., de Mattos Pimenta,C.A., Hojsted,J., Kurita,G.P.

- The cognitive effects of opioids in chronic non-cancer pain
Pain 150 (2010)225 - 30
- Kendrick,D. Fielding,K., Bentley,E., Kersake,R., Miller,P., Pringle,M.
Radiography of the lumbar spine in primary care patients with low back pain: randomized controlled trial
Brit Med J 322 (2001)400 – 5
- Kenna,C.J. Murtagh,J.E.
Back pain and spinal manipulation. 2nd ed., Oxford,U.K., Butterworth Heinemann, 1997 (zit. Been & Kalichman, 2014)
- +Kennedy,C. Assis,T.S., Curri,A.J., Rowan,E.G.
Crossing the pain barrier: P2 receptors as targets for novel analgesics
J Physiol 553 (2003)683 – 94
- +Kennedy,D.J. Schneider,B.J.
The challenges of research on interventions for low back pain
Ann Intern Med 166 (2017)601 - 2
- +Kennedy,D.J. Zheng,P.Z., Smuck,M., McCormick,Z.L., Huynh,L., Schneider,B.J.
A minimum of 5-year follow-up after lumbar transforaminal epidural steroid injections in patients with lumbar radicular pain due to intervertebral disc herniation
Proceedings of the 32nd annual meeting of the North American Spine Society, Orlando, Florida, October 25 – 28, 2017
Spine J 17 (2017) 10 Suppl.: S 94
- +Kennedy,D.J. Zheng,P.Z., Smuck,M., McCormick,Z.L., Huynh,L., Schneider,B.J.
A minimum of 5-year follow-up after lumbar transforaminal epidural steroid injections in patients with lumbar radicular pain due to intervertebral disc herniation
Spine J 18 (2018)29 - 35
- +Kennedy,D.L. Kemp,H.I., Ridout,D., Yarnitzky,D., Rice,A.S.C.

- Reliability of conditioned pain modulation: a systemic review
Pain 157 (2016)2410 - 9
- +Kennedy,E. Cullen,B., Abbott,J.H., Woodley,S., Mercer,S.
Palpation of the iliolumbar ligament
New Zealand J Physiother 32 (2004)76 – 9
- Kenny,M. Ranabahu,T., Vallance,P., Zhang,Y., Gurr,J., Färnquist,K.,
Rathi,S., Cridland,K., Munteanu,S.E., Malliaras,P.
Exercise adherence in trials of therapeutic exercise
interventions ffor common musculoskeltal conditions: A
scoping review
Musculoskel Sci Pract 65 (2023)102748
doi.org/10.1016/j.msksp.2023.102748
- +Kent,P. Haines,T., O’Sullivan,P., Smith,A., Campbell,A., Schutze,R.,
Attwell,S., Caneiro,J.P. und weitere 7 Autoren
Cognitive functional therapy with or without movement
sensor biofeedback versus usual care for chronic disabling
low back pain (RESTORE): a randomized, controlled, three-
arm, parallel group, phase 3, clinical trial
Lancet 401 (2023)10391: 1866 – 77 doi.org/10.1016/S0140-
6736(023)00441-5
- +Kent,P. Keating,J.L.
The epidemiology of low back pain in primary care
Chiropr Osteopat 13 (2005)13 : 1 - 8
- +Kent,P. Keating,J.L., Leboeuf-Yde,C.
Research methods for subgrouping low back pain
BMC Med Res Methodol 10 (2010)62
- Kent,S. Hoffmann,D.O. et al.
Effects of adding sacral base leveling of osteopathic
manipulative treatment of back pain. A pilot study
J Am Optom Assoc 94 (1994)217 (so zit. Kondziella, 1996,
wahrsscheinlich J Am Osteopath Assoc)
- +Keogh,E. Dillon,C., Georgiou,G., Hunt,C.

- Selective attentional biases for physical threat in physical anxiety sensitivity
J Anxiety Disord 15 (2001)299 – 315
- +Kepler,C.K. Hilibrand,A.S., Sayadipur,A., Koerner,J.D., Rihn,J.A., Radcliff,K.E., Vaccaro,A.R., Albert,T.J., Anderson,C.A.
Clinical and radiographic degenerative spondylolisthesis (CARDS) classification
Spine J 15 (2015)1804 - 11
- +Kepler,C.K. Markova,D.Z., Dibra,F., Yadla,S., Vaccaro,A.R., Risbud,M.V., Albert,T.J., Anderson,D.G.
Expression and relationship of proinflammatory chemokine RANTES/CCL5 and cytokine IL-1 beta in painful human intervertebral discs
Spine 38 (2013)873 - 80
- +Kepler,C.K. Markova,D.Z., Hilibrand,A.S., Vaccaro,A.R., Risbud,M.V., Albert,T.J., Anderson,D.G.
Substance P stimulates production of inflammatory cytokines in human disc cells
Spine 38 (2013b)E 1291 – 9
- +Kepler,C.K. Markova,D.Z., Koerner,J.D., Mendelis,J., Chen,C.M., Vaccaro,A.R., Risbud,M.V., Albert,T.J., Andersson,D.G.
Substance P receptor antagonist suppresses inflammatory cytokine expression in human disc cells
Spine 40 (2015a)1261 - 9
- +Kepler,C.K. Ponnapan,R.K., Tannoury,C.A., Risbud,M.V., Anderson,D.G.
The molecular basis of intervertebral disc degeneration
Spine J 13 (2013a)318 - 30
- +Kepler,C.K. Wilkinson,S.M., Radcliff,K.E., Vaccaro,A.R., Anderson,D.G., Hilibrand,A.S., Albert,T.J., Rihn,J.A.
Cost-utility analysis in spine care, a systematic review
Spine J 12 (2012)676 - 90
- Kepplinger,B. Pallinger,E., Baran,H., Kalina,P.

- Intradiskale Kontrastmitteldeposition bei
computertomographisch kontrollierter Wurzelblockade
14. wissenschaftliche Tagung der Österreichischen
Schmerzgesellschaft, Poster 11;
- Schmerz 20 (2006)366
- +Kerckhove,N. Mallet,C., Francois,A., Boudes,M., Chemin,J., Voets,T.,
Bourinet,E., Alloui,A., Eschaliier,A.
- Ca_v3.2 calcium channels : the key protagonist in the
supraspinal effect of paracetamol
- Pain 155 (2014)764 - 72
- Kermani,K. Synopsis – neue Wege in der orthopädischen Schmerz- und
Entstörungsbehandlung
- Ärztezeitschr Naturheilverf 47 (2006)655 - 60
- +Kern,K.-U. Bialas,P., Fangmann,D.
- Retardiertes Tapentadol bei Phantomschmerzen. Eine
Fallserie
- +Kern,M. Multimodale Behandlungskonzepte beim chronischen
Rückenschmerz
- Orthop Unfallchir (2021) Kompendium 2021, Oktober 2021,
30 - 6
- +Kerns,R.D. Rosenberg,R., Jamison,R.N., Caudill,M.A., Haythornthwaite,J.
- Readiness to adopt a self-management approach to chronic
pain: the pain stages of Change Questionnaire (PSOCQ)
- Pain 72 (1997)227 – 234
- +Kerns,R.D. Turk,D.C., Rudy,T.E.
- The West Haven-Yale Multidimensional Pain Inventory
(WHYMPI)
- Pain 23 (1985)345 – 56
- +Kerr,B.J. Bradbury,E.J., Bennett,L.H., Trivedi,P.M., Dassan,P., french,J.,
Shelton,D.B., McMahon,S.B., Thompson,S.W.N.
- Brain-derived neurotropic factor modulates nociceptive
sensory inputs and NMDA-evoked responses in the rat spinal
cord

- J Neurosci 19 (1999)5138 – 48
- Kerr, H.E. –n- Grant, J.H., MacBain, R.N.
- Some observations on anatomical short leg in series in patients presenting themselves for treatment of low back pain
- JAOA 42 (1943)437 – 40 (so zit. Beal, 1950)
- +Kerr, H.L. Dabke, H.V., Collins, I.E., Grevitt, M.
- Claustrophobia: a proxy for psychological distress in patients with back pain
- J Spinal Disord Tech 25 (2012)318 - 23
- +Kerstman, E.L. Scheuring, R.A., Barnes, M.G., de Korse, T.B., Saile, L.G.,
- Space adaptation back pain: a retrospective study
- Aviat Space Environm Med 83 (2012)2 - 7
- Kertes, E. Laszlo, K., Berta, B., Lenard, L.
- Effects of substance P microinjections into the globus pallidus and central nucleus of amygdala on passive avoidance learning in rats
- Behav Brain Res 198 (2009)397 – 408 (zit. Linnman et al., 2010)
- +Kerttula, L. Luoma, K., Vehmas, T., Gronblad, M., Kääpä, E.
- Modic type I changes may predict rapid progressive, deforming disc degeneration: a prospective, 1-year follow-up study
- Eur Spine J 21 (2012) 1135 - 42
- +Keshari, K.R. Lotz, J.C., Link, T.M., Hu, S., Majumdar, S., Kurhanewicz, J.
- Lactic acid and proteoglycans as metabolic markers for discogenic back pain
- Spine 33 (2008)312 - 7
- (-)Kett, R.A. Sichtung, F., Milani, T.L.
- The effect of sitting posture and postural activity on low back muscle stiffness

- Biomechanics 1(2021)214 – 224
doi.org/10.3390/biomechanics1020018
- (-)Kett,R.A. Milani,T.L., Sichtung,F.

Sitting for too long, moving too little: Regular muscle contraction can reduce muscle stiffness during prolonged periods of chair-sitting

Front Sports Act Liv (2021a)
doi.org/10.3389/fspor.2021.760533
- +Kettenmann,B. Wille,C., Lurie-Luke,E., Walter,D., Kobal,G.

Impact of continuous low level heatwrap therapy in acute low back pain patients: subjective and objective measurements

Clin J Pain 23 (2007)663 – 8
- +Kettler,A. Marin,F., Sattelmayer,G., Mohr,M., Mannel,H., Dürselen,L., Claes,L., Wilke,H.J:

Finite helical axes of motion are a useful tool to describe the 3-dimensional in vitro kinematics of the intact, injured and stabilised spine

Eur Spine J 13 (2004)553 – 9
- +Kettler,A. Rohlmann,F., Ring,C., Mark,C., Wilke,H.J.

Do early stages of lumbar intervertebral disc degeneration really cause instability? Evaluation of an in vitro database

Eur Spine J 20 (2011)578 - 84
- +Kettler,A. Wilke,H.-J.

Review of existing grading systems for cervical or lumbar disc and facet joint degeneration

Eur Spine J 15 (2006)705 - 18
- +Keusgen,M. Die Heilpflanzenwelt des Pamir

Zaenmagazin 9 (2017)2: 48 - 53
- +Key,J. Ford,L.

Experimental intervertebral disc lesions

J Bone Joint Surg 30 (1948)621 – 30

- Khadikat,A. Milne,S., Brosseau,L., Saginur,M., Shea,B., Tugwell,P., Wells,C.
Transcutaneous electrical nerve stimulation (TENS) for chronic low back pain
Cochrane Database Syst Rev 2005:2:CD003008 (zit. Bjordal, 2011)
- +Khalil,J.G. Smuck,M., Koreckij,T., Keel,J., Beall,D., Goodman,B., Kalapos,P., Nguyen,D., Garfin,S.
A prospective, randomized, multicenter study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain
Spine J 19 (2019)1620 - 39
- +Khalsa,P.S. Biomechanics of musculoskeletal pain: dynamics of the neuromatrix
J Electromyogr Kinesiol 14 (2004)109 – 20
- (+)Khan,A.F. Parveen,K., Khan,A.S.
Efficacy and tolerability of eperisone versus tizanidine in patients suffering from low back pain with muscle spasms
Int J Res Med Sci 5 (2017)
- +Khan,A.M. McLoughlin,E., Giannakas,E, Hutchinson,C., Andrew,J.G.
Hip osteoarthritis: where is the pain?
Ann R Coll Surg Engl 86 (2004)119 – 21
- Khan,A.N. Jacobsen,H.E., Khan,J., Filippi,C.G., Levine,M., Lehmann Jr.,R.A., Riew,K.D., Lenke,L.G., Chahine,N.O.
Inflammatory biomarkers of low back pain and disc degeneration: a review
Ann N Y Acad Sci 1410 (2017)68 – 84
doi.org/10.1111/nyas.13551
- +Khan,J.S. Hah,J.M., Mackey,S.C.
Effects of smoking on patients with chronic pain: a propensity-weighted analysis on the collaborative health outcomes information registry
Pain 160 (2019)2374 - 9

- +Khanna,A.J. Commentary: The sedimentation sign: correlation with operative level in patients undergoing lumbar decompression for stenosis

Spine J 13 (2013)843 - 4
- +Khasar,S.G. Wang,J.F., Taiwo,Y.O., Heller,P.H., Green,P.G., Levine,J.D.

Mu-opioid agonist enhancement of prostaglandin-induced hyperalgesia in the rat: a G-protein beta gamma subunit-mediated effect?

Neurosci 76 (1995)189 – 95
- +Khatami,M. Woody,G., O'Brien,C.

Chronic pain and narcotic addiction: a multitherapeutic approach – a pilot study

Compr Psychiatry 20 (1979)55 – 60
- +Khodorova,A. Fareed,M.U., Gokin,A., Strichartz,G.R., Davar,G.

Local injection of a selective endothelin-B receptor agonist inhibits endothelin-1-induced pain-like behavior and excitation of nociceptors in a naloxone-sensitive manner

J Neurosci 22 (2002)7788 – 96
- +Khodorova,A. Navarro,B., Jouaville,L.S., Murphy,J.E., Rice,F.L., Mazurkiewicz,J.E., Long-Woodward,D., Stoffel,D., Strichartz,G.R., Yukhananov,R., Davar,G.

Endothelin-B receptor activation triggers an endogenous analgesic cascade at sites of peripheral injury

Nat Med 9 (2003)1055 – 61
- +Khoromi,S. Blackman,M.R., Kingman,A., Patsalides,A., Matheny,L.A., Adams,S., Pilla,A.A., Max,M.R.

Low intensity permanent magnets in the treatment of chronic lumbar radicular pain

J Pain Symptom Manage 34 (2007)434 – 45
- +Khoromi,S. Cui,L., Nackers,L., Max,M.B.

Morphine, nortriptyline and their combination vs. placebo in patients with chronic lumbar root pain

Pain 130 (2007)66 - 75

- +Khoromi,S. Patsalides,A., Parada,S., Salehi,V., Meegan,J.M., Max,M.B.
Topiramate in chronic lumbar radicular pain
J Pain 6 (2005)829 – 36
- +Khosravi,M.B. Azemati,S., Sahmeddini,M.A.
Gabapentin versus naproxen in the management of failed back surgery syndrome: a randomized controlled trial
Acta Anaesthesiol Belg 65 (2014)31 – 7 (zit. Sharan et al., 2017)
- +Khot,A. Bowditch,M., Powell,J., Sharp,D.
The use of intradiscal steroid therapie for lumbar spinal discogenic pain: a randomized controlled trial
Spine 29 (2004)833 – 6
- +Khoueir,P. Black,M.H., Crookes,P.F., Kaufmann,H.S., Katkhouda,N., Wang,M.Y.
Prospective assessment of axial pain symptoms before and after bariatric weight reduction surgery
Spine J 9 (2009)454 - 463
- Khoutorsky,A. Price,T.J.
Translational control mechanisms in persistent pain
Trends Neurosci 41 (2018)100 – 14 (zit. Gale et al., 2022)
- +Kiadaliri,A. Merlo,J., Englund,M.
Complex sociodemographic inequalities in consultations for low back pain: lessons from multilevel intersectional analysis
Pain 162 (2021)1135 - 43
doi.org/10.1097/j.pain.0000000000002081
- +Kidd,B.L. Osteoarthritis and joint pain
Pain 123 (2006)6 - 9
- +Kidd,R.F. Pain localisation with the innominate upslip dysfunction
Manual Med. 3 (1988)103 – 5
- +Kidner,C.L. Gatchel,R.J., Mayer,T.G.

- MMPI disability profile is associated with degree of opioid use in chronic work-related musculoskeletal disorders
- Clin J Pain 26 (2010)9 – 15
- +Kidner,C.I. Mayer,T.G., Gatchel,R.J.
- Higher opioid doses predict poorer functional outcome in patients with chronic disabling occupational musculoskeletal disorders
- J Bone Joint Surg Am 91 (2009)919 – 27
- +Kienbacher,G. Interventionelle Schmerztherapie an der Wirbelsäule. Diagnostikum und Therapeutikum
- Manuelle Med 56 (2018)54 - 60
- +Kigozi,J. Lewis,M., Jowett,S., Barton,P., Coats,J.
- Construct validity and responsiveness of the single-item presenteeism question in patients with lower back pain for the measurement of presenteeism
- Spine 39 (2014)409 - 16
- +Kiguchi,N. Kobayashi,Y., Saika,F., Sakaguchi,H., Maeda,T., Kishioka,S.
- Peripheral interleukin-4 ameliorates inflammatory macrophage dependent neuropathic pain
- Pain 156 (2015)684 - 93
- +Kiguchi,N. Meada,T., Kobayashi,Y., Fukazawa,Y., Kishioka,S.
- Macrophage inflammatory protein-1 alpha mediates the development of neuropathic pain following peripheral nerve injury through interleukin-1 beta upregulation
- Pain 149 (2010)305 - 15
- +Kikuchi,S. International collaboration beyond the culture gap
- Spine 32 (2007)1369 – 74
- +Kilby,J. Heneghen,N.R., Maybury,M.
- Manual palpation of lumbo-pelvic landmarks: a validity study
- Man Ther 17(2011)259 - 62
- Kilian,H. Schilderungen neuer Beckenformen und ihres Verhaltens in Lebenden

- Mannheim, Verlag von Bossermann, 1854 (zit. Transfeldt & Mehbod, 2007)
- +Kilpikoski,S. Airaksinen,O., Kankaanpaa,M., Leminen,P., Videman,T., Alen,M.
- Interexaminer reliability of low back pain assessment using the McKenzie method
- Spine 27 (2002)E207 – 14
- (-)Kilpikoski,S. Suominen,E.N., Repo,J.P., Häkkinen,A.H., Kyrölä,K., Kautiainen,H., Ylinen,J.
- Comparison of magnetic resonance imaging findings among sciatica patients classified as centralizers or non-centralizers
- J Man Manipul Ther (2023) online 8.2.2023;
doi.org/10.1080/10669817.2023.2174555
- +Kim,C. Jun,K., Lee,T., Kim,S.S., McEnery,M.W., Chin,H., Kim,H.L., Park,J.M., Kim,D.K., jung,S.J., Kim,J., Shin,H.S.
- Altered nociceptive response in mice deficient in the alpha (IB) subunit in the voltage dependent calcium canne
- Mol Cell Neurosci 18 (2001)235 – 45
- +Kim,D. Woo,C.W., Kim,S.G.
- Neural mechanisms of pain relief through paying attention to painful stimuli
- Pain 163 (2022)1130 – 8
doi.org/10.1097/j.pain.0000000000002464
- +Kim,D.H. Dai,F., Belfer,I., Banco,R.J., Martha,J.F., Tighiouart,H., Tromanhauser,S., Jenis,L.G., Hunter,D.J., Schwartz,C.E.
- Polymorphic variation of the guanosine triphosphate coclohydrolase 1 gene predicts outcome in patients undergoing surgical treatment for lumbar degenerative disc disease
- Spine 35 (2010b)1909 - 14
- +Kim,D.H Lee,S.H., Kim,K.T., Yu,S.D.
- Association of interleukin-1 receptor anatagonist gene polymorphism with response to conservative treatment of lumbar herniated nucleus pulposus

- Spine 35 (2010)1527 – 31
- +Kim,D.H. Schwartz,C.E.
- The genetics of pain: implications for evaluation and treatment of spinal disease
- Spine J 10 (2010a)827 - 40
- +Kim,D.S. Figueroa,K.W., Li,K.W., Bouroujerdi,A., Yolo,T., Luo,Z.D.
- Profiling of dynamically changed gene expression in dorsal root ganglia post peripheral nerve injury and critical role of injury-induced glial fibrillary acidic protein in maintenance of pain behaviours
- Pain 143 (2009c)1114 – 22
- +Kim,E.J. Chotai,S., Stonko,D.P., Wick,J.B., Schneider,B.J., McGirt,M.J., Devin,C.J.
- Patient reported outcomes after lumbar epidural steroid injection for degenerative spine disease in depressed versus nondepressed patients
- Spine J 17 (2017)511 - 7
- +Kim,E. Raji,M.A., Westra,J., Wilkes,D., Kuo,Y.F.
- Comparative effectiveness of pain control between opioids and gabapentinoids in older patients with chronic pain
- Pain 165 (2024)144 – 52
doi.org/10.1097/j.pain.0000000000003006
- +Kim,H. Caspar,T.W., Shah,S.B., Hsieh,A.H.
- Effects of proinflammatory cytokines on axonal outgrowth from adult rat lumbar dorsal root ganglia using a novel three-dimensional culture system
- Spine J 15 (2015b)1823 - 31
- +Kim,H. Lee,J.U., Moon,S.H., Kim,H.C., Kwon,U.H., Seol,N.H., Kim,H.J., Park,J.O., Chun,H.J., Kwon,I.K., Lee,H.M.
- Zonal responsiveness of the human intervertebral disc to bone morphogenetic protein-2
- Spine 34 (2009)1834 - 8
- Kim,H. Mawla,I., Lee,J., Gerber,J., Walker,K., Kim,J., ..., Napadow,V. und 9 weitere Autoren

- Reduced tactile acuity in chronic low back pain is linked with structural neuroplasty in primary somatosensory cortex and is modulated by acupuncture therapy
- NeuroImage 217 (2020a)116899
doi.org/10.1016/j.neuroimage.2020.116899
- +Kim,H.C. Park,K.J.
- Injuries in female and male elite Korean rowing athletes: an epidemiological study
- Sportverl Sportschad 34 (2020)217 – 26
doi.org/10.1055/a-1257-7676
- +Kim,H.J. Chun,H.J., Lee,H.M., Kang,K.T., Lee,C.K., Chang,B.S., Yeom,J.S.
- The biomechanical influence of the facet joint orientation and the facet tropism in the lumbar spine
- Spine J 13 (2013c)1301 - 8
- +Kim,H.J. Kwon,O.H., Chang,B.S., Lee,C.K., Chun,H.J., Yeom,J.S.
- Change in pain catastrophizing in patients with lumbar spinal surgery
- Spine J 18 (2018)115 - 21
- Kim,H.J. Moon,S.
- Correlation analysis of pressure pain threshold and muscle thickness in individuals with non-specific low back pain
- Phys Ther Rehab Sci 11 (2022a)329 – 34
doi.org/10.14474/ptrs.2022.11.3.329
- +Kim,H.J. Yeom,J.S., Lee,J.W., Chang,B.S., Lee,C.K., Lee,G.W., Im,S.B., Kim,H.J.
- The influence of pain sensitivity on the treatment outcome of transforaminal epidural steroid injection in patients with lumbar spinal stenosis
- Pain Pract 14 (2014)405 – 12
- +Kim,H.Y. Jun,J., Wang,J., Bittar,A., Chung,K., Chung,J.M.
- Induction of long-term potentiation and long-term depression is cell type specific in the spinal cord
- Pain 156 (2015)618 - 25

- +Kim,H.Y. Wang,J., Lee,I., Kim,H.K., Chung,K., Chung,J.M.
Electroacupuncture suppresses capsaicin-induced secondary hyperalgesia through an endogenous spinal opioid mechanism
Pain 145 (2009d)332 – 40
- +Kim,J. Loggia,M.L., Edwards,R.R., Wasan,A.J., Gollub,R.I., Napadow,V.
Sustained deep tissue pain alters functional brain connectivity
Pain 154 (2013a)1343 - 51
- +Kim,J. Park,J., Kim,S.W., Oh,J.K., Park,M.S., Kim,Y.W., Kim,T.H.
Prevalence of sleep disturbance in patients with lumbar spinal stenosis and analysis of the risk factors
Spine J 20 (2020)1239 - 47
- +Kim,J.H. Deasy,B.M., Seo,H.Y., Vo,N.V., Georgescu,H.I., Sowa,G.A., Kang,J.D.
Differentiation of intervertebral notochordal cells through live automated cell imaging system in vitro
Spine 34 (2009g)2486 - 93
- +Kim,J.H. Moon,H.J., Lee,J.H., Kim,J.H., Kwon,T.H., Park,J.K.
Rabbit notochordal cells modulate the expression of inflammatory mediators by human annulus fibrosus cells cocultured with activated macrophage-like THP-1 cells
Spine 37 (2012a)1856 - 64
- Kim,J.H. Sharan,A., Cho,W., Emam,M., Hagen,M., Kim,S.T.
The prevalence of asymptomatic cervical and lumbar facet arthropathy: a computed tomography study
Asian Spine J 13 (2019)417 – 22
doi.org/10.31616/asj.2018.0235
- +Kim,J.H. Studer,R.K., Sowa,G.A., Vo,N.V., Kang,J.D.
Activated macrophage-like THP-1 cells modulate annulus fibrosus cell production of inflammatory mediators in response to cytokines
Spine 33 (2008)2253 - 9

- +Kim,J.T. Jung,C.W., Lee,J.R., Min,S.W., Bahk,J.H.
Influence of lumbar flexion on the position of the intercrestal line
Regional Anesth Pain Med 28 (2003)509 – 11
- +Kim,J.Y.V. Megat,S., Moy,J.K., Asiedu,M.N., Meija,G.L., Vagner,J., Price,T.J.
Neurologin 2 regulates spinal GABAergic plasticity in hyperalgesic priming, a model of the transition from acute to chronic pain
Pain 157 (2016)1314 - 24
- +Kim,K.H. Kim,Y.S., Kuh,S.U., Park,H.S., Park,J.Y., Chin,D.K., Kim,K.S., Cho,Y.E.
Time and dose dependent cytotoxicities of ioxitalamate and indigocarmine in human nucleus pulposus cells
Spine J 13 (2013)564 - 71
- +Kim,K.H. Park,J.Y., Park,H.S., Kuh,S.U., Chin,D.K., Kim,K.S., Cho,Y.E.
Which iodinated contrast media is the last cytotoxic to human disc cells?
Spine J 15 (2015a)1021 - 7
- +Kim,K.K: Kwak,J., Kim,S.J., Kim,J.
Long-lasting enhancement in the intrinsic excitability of deep dorsal horn neurons
Pain 139 (2008)181 – 9
- Kim,K.S. Yoon,S.T., Li,J., et al.
Disc degeneration in the rabbit: a biochemical and radiological comparison between four disc injury models
Spine 30 (2005)33 – 7 (zit Kepler et al. 2013)
- +Kim,K.T. Park,S.W., Kim,Y.B.
Disc height and segmental motion as risk factors for recurrent lumbar disc herniation
Spine 34 (2009f)2674 - 8
- +Kim,K.W. Chung,H.N., Ha,K.Y., Lee,J.S., Kim,K.W.

- Senescence mechanisms of nucleus pulposus chondrocytes in human intervertebral discs
Spine J 9 (2009e) 658 - 66
- +Kim,K.W. Ha,K.Y., Lee,J.S., Nam,S.W., Woo,Y.K., Lim,T.H., An,H.S.
Notochordal cells stimulate migration of cartilage end plates chondrocytes of the intervertebral disc in in vitro cell migration assays
Spine J 9 (2009)323 - 9
- Kim,K.W. Ha,K.Y., Lee,J.S., Rhyu,K.W., An,H.S., Woo,Y.K.
The apoptotic effects of oxidative stress and antiapoptotic effects of caspase inhibitors on rat notochordal cells
Spine 32 (2007)2443 – 8
- +Kim,K.W. Ha,K.Y., Park,J.B., Woo,Y.K., Chung,H.N., An,H.S.
Expressions of membrane-type 1 matrix metalloproteinase, Ki-67 protein, and type-II collagen by chondrocytes migrating from cartilage endplate into nucleus pulposus in rat intervertebral discs: a cartilage-endplate-fracture model using an intervertebral disc organ culture
Spine 30 (2005)1373 – 8
- +Kim,K.W. Kim,Y.S., Ha,K.Y., Woo,Y.K., Park,J.B., An,H.S.
An autocrine or paracrine Fas-mediated counterattack: a potential mechanism for apoptosis of notochordal cells in intact nucleus pulposus
Spine 30 (2005)1247 – 51
- +Kim,K.W. Lim,T.H., Kim,J.G., Jeong,S.T., Masuda,K., An,H.S.
The origin of chondrocytes in the nucleus pulposus and histologic findings associated with the transition of a notochordal nucleus pulposus to a fibrocartilaginous nucleus pulposus in intact rabbit intervertebral discs
Spine 28 (2003)982 – 90
- +Kim,M-h Yi,C-h., Kwon,O-j., Cho,S-h., Cynn,H-s., Kim,Y-h., Hwang,S-h., Choi,B-r., Hong,J-a, Jung,D-h
Comparison of lumbopelvic rhythm and flexion-relaxation responses between 2 different low back pain subtypes

- Spine 38 (2013b)1260 - 7
- +Kim,M.J. Lee,S.Y., Yang,K.Y., Nam,S.H., Kim,H.J., Kim,Y.J., Bae,Y.C., Ahn,D.K.
- Differential regulation of peripheral IL-1beta-induced mechanical allodynia and thermal hyperalgesia in rats
- Pain 155 (2014a)723 - 32
- Kim,M.S. Park,K.W., Hwang,C., Lee,Y.K., Koo,K.H., Chang,B.S., Lee,C.K., Lee,D.H.
- Recurrence rate of lumbar disc herniation after open discectomy in active young men
- Spine 34 (2009)24 - 9
- +Kim,N.K: Shin,D.A., Han,I.B., Yoo,E.H., Kim,S.H., Chung,S.S.
- The association of aggrecan gene polymorphism with the risk of intervertebral disc degeneration
- Acta Neurochir (Wien) 153 (2011a)129 – 33
- +Kim,S.H. Ahn,S.H., Cho,Y.W., Lee,D.G.
- Effect of intradiscal methylene blue injection fort he chronic discogenic low back pain: one year prospective follow-up study
- Ann Rehabil Med 36 (2012b)657 - 64
- +Kim,S.H. Chung,J.M.
- An experimental model for peripheral neuropathy produced by segmental spinal nerve ligation in the rat
- Pain 50 (1992)355 – 62
- +Kim,S.J. Park,S.M., Cho,Y.W., Jung,Y.J., Lee,D.G., Jang,S.H., Park,H.W., Hwang,S.J., Ahn,S.H.
- Changes in expression of mRNA for Interleukin-(and effects of Interleukin-8 receptor inhibitor in the spinal dorsal horn in a rat model of lumbar disc herniation
- Spine 36 (2011)2139 – 46
- +Kim,S.K. Nabekura,J

- Rapid synaptic remodelling in the adult somatosensory cortex following peripheral nerve injury and its association with neuropathic pain
- J Neurosci 31 (2011)5477 – 82
- +Kim,S.Y. Bae,J.C., Kim,J.Y., Lee,H.L., Lee,K.M., Kim,D.S., Cho,H.J.
- Activation of p38 MAP kinase in the rat dorsal root ganglia and spinal cord following peripheral inflammation and nerve injury
- NeuroReport 13 (2002)2483 – 6
- +Kim,Y. Cho,H.Y., Ahn,Y.U., Kim,J., Yoon,Y.W.
- Effect of NMDA NR2B antagonist on neuropathic pain in two spinal cord injury models
- Pain 153 (2012)1022 - 9
- +Kimmelberg,H.K. Nedergaard,M.
- Functions of astrocytes and their potential as therapeutic targets
- Neurotherapeutics 7 (2010)338 – 53
- +Kimura,S. Sakuma,Y., Suzuki,M., Orita,S., Yamauchi,K., Inoue,G., Aoki,Y., Ishikawa,T. und weitere 11 Autoren
- Evaluation of pain behavior and calcitonin gene-related peptide immunoreactive sensory nerve fibers in the spinal dorsal horn after sciatic nerve compression and application of nucleus pulposus in rats
- Spine 39 (2014)455 - 62
- +Kimura,T. Nakata,K., Tsumaki,N., Miyamoto,S., Matsui,Y., Ebara,S., Ochi,T.
- Progressive degeneration of articular cartilage and intervertebral discs. An experimental study in transgenic mice bearing a type IX collagen mutation
- Int Orthop 20 (1996)177 – 81
- +Kinalski,R. Kuwik,W., Pietrzak,D.
- The comparison of manual therapy versus physiotherapy methods used in treatment of patients with low back pain syndromes

- J Manual Med 4 (1989)44 -6
- +Kindermans,H.P.J. Huijnen,I.P.J., Goossens,M.E.J.B., Roelofs,J., Verbunt,J.A., Vlayen,J.W.S.
- “Being” in pain: The role of self-discrepancies in the emotional experience and activity patterns of patients with chronic low back pain
- Pain 152 (2011)403 - 9
- Kindler,L.I. Jones,K.D., Perrin,M., Bennett,R.M.
- Risk factors predicting the development of widespread pain from chronic back or neck pain
- J Pain 11 (2010)1320 – 8
- +King,A. Cripps,A.
- Determining the effectiveness of core strengthening exercise therapies in treating nonspecific low back pain: a critically appraised topic
- J Sports Med Allied Health Sci 3 (2017)1: 10
- +King,C.D. Commentary: A possible mechanism underlying conditioned pain modulation
- Pain 155 (2014)1047 - 8
- +King,C.D. Commentary: Conditioned pain modulation and offset analgesia: different avenues to inhibit pain
- Pain 155 (2014a)2444 - 5
- +King,C.D. Goodin,B., Glover,T.L., Riley,J.I., Hou,W., Staud,R., Fillingim,R.B.
- Is the pain reducing effect of opioid medication reliable? A psychophysical study of morphine and pentazocine analgesia
- Pain 154 (2013)476 - 83
- +King,C.D. Wong,F., Currie,T., Mauderli,A.P., Fillingim,R.B., Riley,J.L.
- Deficiency in endogenous modulation of prolonged heat pain in patients with irritable bowel syndrome and temporomandibular disorder
- Pain 143 (2009)172 - 8

+King,H.H.	2007 Northup Lecture. Osteopathy: in good hands (and I don't mean Allstate) AAO J 18 (2008)1: 21 - 6
+King,S.	Chambers,C.T., Huguët,A., MacNevin,R.C., McGrath,P.J., Parker,L., MacDonald,A.J. The epidemiology of chronic pain in children and adolescents revisited: A systematic review Pain 152 (2011)2729 - 38
+King,T.	Porreca,F. Opioids in cancer pain: new considerations Pain: Clin Updates 18 (2010)1: 1 - 5
+King,T.	Qu,C., Okun,A., Melemedjian,,O.K., Mandell,E.K., Maskaykina,I.Y., Navratilova,E., Dussor,G.O., Ghosh,S., Price,T.J., Porreca,F. Contribution of PKMzeta-dependent and independent amplification to components of experimental neuropathic pain Pain 153 (2012)1263 - 73
King,W.	Lau.P., Lees,R., BogdukN. The validity of manual examination in assessing patients with neck pain Spine J 7 (2007)22 - 6
+King,V.R.	Michael,G.J., Joshi,R.K., Priestley,J.V. trkA, trkB, and trkC messenger RNA expression by bulbospinal cells of the rat Neurosci 92 (1999)935 – 44
+Kinney,R.K.	Gatchel,R.J., Polatin, P.B., Fogarty,W.T., Mayer,T.G. Prevalence of psychopathology in acute and chronic low back pain patients J Occup Rehab 3 (1993)95 – 103
Kinsey,R.E.	Campbell,R.J. Psychiatric dictionary

- 3rd ed. New York, Oxford; 1960 (zit. Merskey, 2009)
- +Kippers,V. Parker,A.W.
- Posture related to myoelectric silence of erector spinae during trunk flexion
- Spine 9 (1984)741 – 5
- +Kiresuk,T.J. Sherman,R.
- Goal attainment scaling: general method for evaluating comprehensive community mental health programs
- Community Ment Health J 4 (1968)443 – 53
- +Kirillova,I. Teliban,A., Gorodetskaya,N., Grossmann,L., Bartsch,F., Rausch,V.H., Struck,M., Tode,J., Baron,R., Jänig,W.
- Effect of local and intravenous lidocaine on ongoing activity in injured afferent nerve fibers
- Pain 152 (2011)1562 - 71
- Kirk,L. – n - Underwood,M., Chappell,L., Martins-Mendez,M. Thomas,P.
- The effect of osteopathy in the treatment of chronic low back pain: a feasibility study
- Int J Osteopath Med 8 (2005)5 – 11 (nur kostenpflichtig im Internet)
- Kirkaldy-Willis,W.H. The pathology and pathogenesis of low back pain
- In: Kirkaldy-Willis,W.H. (ed): Managing low back pain
- Churchill Livingstone, NY (1988): 49 (zit. Böhni et al., 2012)
- +Kirkaldy-Willis,W.H. Hill,R.J.
- A more precise diagnosis for low back pain
- Spine 4 (1979)102
- Kirkeby Fjeld,M. s. Fjeld,M.K.
- +Kirmayer,L.J. Young,A., Robbins,J.M.
- Symptom attribution in cultural perspective
- Can J Psychiatry 39 (1994)589 – 95
- Kirsch,E.P. Yang,L.Z., Lu,H.J., Parente,B., Lad,S.B.

- Healthcare resources utilisation in chronic low back pain among high utilisers
Spine J 24 (2024)4: 601 – 16
doi.org/10.1016/j.spinee.2023.11.017
- Kirsch,I. Changing expectations: a key to effective psychotherapy
Brooks/Cole, Pacific Grove,CA, 1990, S. 231 (zit. Bingel, 2010)
- +Kirsh,K. Whitcomb,L.A., Donaghy,K., Passik,S.D.
Abuse and issues in medically ill patients with pain: attempts at classification of terms and empirical study
Clin J Pain 18 (2002)S52 – S60
- +Kisaalita,N. Staud,R., Hurley,R., Robinson,M.
Placebo use in pain management: the role of medical context, treatment efficacy, and deception in determining placebo acceptability
Pain 155 (2014)2638 - 45
- +Kischkel,F.C. Lawrence,D.A., Chuntaparai,A., Schow,P., Kim,J., Ashkenazi,A.
Apo2L/TRAIL-dependent recruitment of endogenous FADD and caspase-8 to death receptors 4 and 5
Immunity 12 (2000)611 – 20
- +Kiter,E. Karaboyun,T., Tufan,C., Acar,K:
Immunohistochemical demonstration of nerve endings in iliolumbar ligament
Spine 35 (2010)E101 - 4
- +Kittel,R. Auswirkungen fußballspezifischer Belastungen auf den Bewegungsapparat
Sportverl Sportschad 22 (2008)164-8
- +Kivitz,A.J. Gimbel,J.S., Bramson,C., Nemeth,M.A., Keller,D.S., Brown,M.T., West,C.R., Verburg,K.M.
Efficacy and safety of tanezumab versus naproxen in the treatment of chronic back pain
Pain 154 (2013)1009 - 21

- +Kizawa,H. Kou,I., Iida,A., Sudo,A., Miyamoto,Y., Fukuda,A., Mabuchi,A., Kotani,A. und weitere 7 Autoren
- An aspartic acid repeat polymorphism in asporin inhibits chondrogenesis and increases susceptibility to osteoarthritis
- Nat Genet 37 (2005)138 – 44
- (-)Kizhakkeveetil,A. Rose,K.A., Kadar,G.E., Hurvitz,E.L.
- Integrative acupuncture and spinal manipulative therapy versus either alone for low back pain: a randomized controlled trial feasibility study
- J Manipul Phys Ther (2017)
doi.org/10.1016/j.jmpt.2017.01.002
- (-)Kizhakkeveetil,A. Rose,K.A., Kadar,G.E., Hurwitz,E.L.
- An exploratory analysis of gender as a potential modifier of treatment effect among patients in a randomized controlled trial of integrative acupuncture and spinal manipulation for low back pain
- J Manipul Phys Ther 42 (2019)177 – 86
doi.org/10.1016/j.jmpt.2018.11.005
- +Kjaer,P. Leboeuf-Yde,C., Korsholm,L., Sorensen,J.S., Bendix,T.
- Magnetic resonance imaging and low back pain in adults: a diagnostic imaging study of 40-year-old men and women
- Spine 30 (2005)1173 – 80
- Klaber Moffet,J.A. siehe unter Moffet
- +Kladny,B. Fischer,F., Haase,I.
- Wichtigkeit der muskulären segmentalen Stabilisierung zur Behandlung von Rückenschmerz und Bandscheibenkrankungen im Rahmen der ambulanten Rehabilitation
- Zeitschr Orthop Grenzgeb 141 (2003)401 – 5
- +Klaghofer,R. Brähler,E.
- Konstruktion und teststatistische Prüfung einer Kurzform der SCL-90-R
- Z Klin Psychol Psychiatr Psychother 49 (2001)115 – 24

- +Klapow,J.C. Slater,M.A., Patterson,T.L., Doctor,J.N., Atkinson,j.H., Garfin,S.R.
- An empirical evaluation of multidimensional clinical outcome in chronic low back pain patients
- Pain 55 (1993)107 – 18
- +Klasen,B.W. Brüggert,J., Hasenbring,M.
- Der Beitrag kognitiver Schmerzverarbeitung zur Depressivität bei Rückenschmerzpatienten. Eine pfadanalytische Untersuchung an Patienten aus der primärärztlichen Versorgung
- Schmerz 20 (2006)398 – 410
- +Klauenberg,S. Maier,C., Assion,H.J., Hoffmann,A., Krumova,E.K., Magerl,W., Scherens,A., Treede,R.D., Juckel,G.
- Depression and changed pain perception: Hints for a central disinhibition mechanism
- Pain 140 (2008)332 - 43
- Klaus,E. Therapeutische Lokalanästhesie (TLA), Neuraltherapie
- In: Flöter,Th. (Hrsg.): Grundlagen der Schmerztherapie. Medizin & Wissen, München, 1998, S. 241 – 70 (zit. Wörz et al., 2000)
- Klega,A. Eberle,T., Buchholz,H.G., Maus,S., Maihofner,C., Schreckenberger,M., Birklein,F.
- Central opioidergic neurotransmission in complex regional pain syndrome
- Neurology 75 (2010)129 – 36 (zit. Loggia, 2018)
- +Kleggetveit,I.P. Namer,B., Schmidt,R., Helas,T., Rückel,M., Orstavik,K., Schmelz,M., Jorum,E.
- High spontaneous activity of C-nociceptors in painful polyneuropathy
- Pain 153 (2012)2040 - 7
- +Klein,B.J. Radecki,R.T., Foris,M.P., Feil,E.I., Hickey,M.E.
- Bridging the gap between science and practice in managing low back pain. A comprehensive spine care system in a health maintenance organization setting

- Spine 25 (2000)738 – 40
- +Klein,B.P. Jensen,R.C., Sanderson,L.M.
- Assessment of workers' compensation claims for back strains/sprains
- J Occup Med 26 (1984)443 – 8
- Klein,R.G. Eek,B.C., DeLong,W.B., Mooney,V.A.
- A randomized double-blind trial of dextrose-glycerine-phenol injections for chronic, low back pain
- J Spinal Disord 6 (1993)23 – 33 (zit. Dagenais et al., 2008c)
- +Klein,T. Magerl,W., Hopf,H.C., Sandkühler,J., Treede,R.D.
- Perceptual correlates of nociceptive long-term potentiation and long-term depression in humans
- J Neurosci 24 (2004)964 – 71
- +Klein,T. Magerl,W., Treede,R.D.
- Editorial. Forget about your chronic pain
- Pain 132 (2007)16 - 7
- +Klein,T. Stahn,S., Magerl,W., Treede,R.D.
- The role of heterosynaptic facilitation in long-term potentiation (LTP) in human pain sensation
- Pain 139 (2008)507 - 19
- +Kleine-Borgmann,J. Dietz,T.N., Schmidt,K., Bingel,U.
- No long-term effects after a 3-week open-label placebo treatment for chronic low back pain: a 3-year follow-up of a randomized controlled trial
- Pain 164 (2023)645 – 652
doi.org/10.1097/j.pain.0000000000002752
- +Kleine-Borgmann,J. Schmidt,K., Hellmann,A., Bingel,U.
- Effects of open-label placebo on pain, functional disability, and spine mobility in patients with chronic back pain: a randomized controlled trial
- Pain 160 (2020)2891 - 7
- +Kleinstück,F. Dvorak,J., Mannion,A.F.

- Are „structural abnormalities“ on magnetic resonance imaging a contraindication to the successful conservative treatment of chronic nonspecific low back pain?
- Spine 31 (2006)2250 - 7
- Klein-Vogelbach,S. Gangschulung zur funktionellen Bewegungslehre
- Springer, Berlin Heidelberg New York Tokio, 1995 (zit. Amelung & Seidel, 2005)
- Kleinert,J. Bastemeyer,C., Watson,M., Pels,B.
- Effects of an impulse on the sterno-cleido-mastoid muscle on back pain, discomfort, and well-being: A randomized, controlled trial in people with low back pain
- Complement Med Res 29 (2022)453 – 64
doi.org/10.1159/000526757
- +Klemp,P. Williams,S.M., Stansfield,S.A.
- Articular mobility in Maori and European New Zealanders
- Rheumatol (Oxford) 41 (2002)554 – 7
- +Klenerman,L. Slade,P.D., Stanley,I.M., Pennie,B., Reilly,J.P., Atchinson,L.E.,Troup,J.C.G., Rose,M.J.
- The prediction of chronicity in patients with an acute attack of back pain in a general practice setting
- Spine 20 (1995)478 – 84
- (-)Klerx,S.P. Pool,J.J.M., Coppieters,M.W., Mollema,E.J., Pool-Goudzwaard,A.L.
- Clinimetric properties of sacroiliac joint mobility tests: A systematic review
- Musculoskel Sci Pract 41 (2019) Zugriff 5.12.2019;
doi.org/10.1016/j.msksp..2019.102090
- Klett,R. Manuelle Medizin im kranialen Feld/CMD.
- Neurophysiologische Grundlagen der Wirkmechanismen
- Vortrag auf dem Europäischen Kongress Manuelle medizin, Leipzig, 20.-22.4.2023
- Manuelle Med 61 (2023)193 doi.org/10.1007/s0037-023-00982-7

- +Kliger,M. Stahl,S., Haddad,M., Suzan,E., Adler,R., Eisenberg,E.
Measuring the intensity of chronic pain: are the Visual Analogue Scale and the Verbal Rating Scale interchangeable?
Pain Pract 15 (2015)538 - 47
- (+)Klimont,J.B.E. Österreichische Gesundheitsbefragung 2014.
Hauptergebnisse des Austrian Health Interview Survey (ATHS) und methodische Dokumentation
www.bmgf.gv.at (so zit. Mittermayer & Tilscher, 2019), letzter Zugriff 17.4.2019 unter www.sozialministerium.at/cms/site/attachements/1/6
- +Klinger,R. Colloca,L., Bingel,U., Flor,H.
Placebo analgesia: Clinical applications
Pain 155 (2014)1055- 8
- +Klinger,R. Kothe,R., Schmitz,J., Kamping,S., Flor,H.
Placebo effects of a sham opioid solution: a randomized thrcontrolled study in patients with chronic low back pain
Pain 158 (2017)1893 - 1902
- +Klinger,R. Matter,N., Kothe,R., Dahme,B., Hofmann,U.G., Krug,F.
Unconditioned and conditioned muscular responses in patients with chronic back pain and tension-type headaches and in healthy controls
Pain 150 (2010)66 - 74
- Klinger-Gratz,P.P. Ralvenius,W.T., Neumann,E., Kato,A., Nyilas,R., Lele,Z., Katona,I., Zeilhofer,H.U.
Acetaminophen relieves inflammatory pain through CB1 cannabinoid receptors in the rostral ventromedial medulla
J Neurosci 38 (2018)322 -34 (zit. Sirucek et al., 2023)
- +Klock,G.B. A logic approach to complicated sacral and innominate dysfunction
AAO J 22 (2012)4: 21 - 35
- +Klossika,I. Flor,H., Kamping,S., Bleichhardt,G., Trautmann,N., Treede,R.D., Bohus,M., Schmahl,C.
Emotional modulation of pain: A clinical perspective

- Pain 124 (2006)264 - 8
- +Klotz,S.G.R. Ketels,G., Richardsen,B., Löwe,B., Brünahl,C.A.
- Physiotherapeutische Befunderhebung bei „chronic pelvic pain syndrome“ Entwicklung eines standardisierten Befundinstruments zur interprofessionellen Zusammenarbeit bei PatientInnen mit chronischen Unterbauchschmerzen
- Manuelle Med 57 (2019)181 - 7
- +Klougart,N. Leboeuf-Yde,C., Rasmussen,L.R.
- Safety in chiropractic practice. Part II: treatment tot he upper neck and the rate of cerebrovascular incidents
- J Manipulative Physiol Ther 19 (1996)563 – 9
- +Klügel,R. Die medizinische Blutegeltherapie – Ausleitung und mehr ...
- Dt Zschr Akup 66 (2023)202 – 4 doi.org/10.1007/s42212-023-00590-5
- KlugerR. Studienbesprechung: Furlan et al., 2005
- Dt Zschr Akup 48 (2005)4: 37 – 8
- +Klune,J.R. Dhupar,R., Cardinal,J., Biliar,T.R., Tsung,A.
- HMGB-1: endogenous danger signaling
- Mol Med 14 (2008)476 – 84
- Klusen,N. Leistungssteigerung in der schmerztherapeutischen Versorgung
2. Aachener Workshop „Zukunft der Schmerztherapie“, Workshop – Berichtsband, Grüenthal, Aachen,2006
- +Klyne,D.M. Barbe,M.F., Hodges,P.W.
- Realtionship between systemic inflammation and recovery over 12 months after an acute episode of low back pain
- Spine J 22 (2022)214 – 25
doi.org/10.1016/j.spinee.2021.09.006
- Klyne,D.M. van den Hoorn,W., Barke,M:F., Cholewicki,J., Hall,G.M., Khan,A., ..., Hodges,P.W.
- Cohort profile: why do people keep hurting their back?
- +Knabl,J. Zeilhofer,U.B., Crestani,F., Rudolph,U., Zeilhofer,H.U.

- Genuine antihyperalgesia by systemic diazepam revealed by experiments in GABA-A receptor point-mutated mice
Pain 141 (2009)233 - 8
- +Knaster,P. Karlsson,H., Estlander,A.M., Eija Kalso,E.
Psychiatric disorders as assessed with SCID in chronic pain patients: the anxiety disorders precede the onset of pain
Gen Hosp Psychiatry 34 (2012)46 – 52
- +Knechtle,D. Schmid,S., Suter,M., Riner,F., Moschini,G., Senteler,M.,
Schweinhardt,P., Meier,M.L.
Fear-avoidance beliefs are associated with reduced lumbar spine flexion during object lifting in pain-free adults
Pain 162 (2021)1621 – 31
doi.org/10.1097/j.pain.0000000000002170
- +Knights,C.B. Gentry,C., Bevan,S.
Partial medial meniscectomy produces osteoarthritis pain-related behaviour in female C57BL/6 mice
Pain 153 (2012)281 - 93
- Knoop,J., Steultjens,M.P.M., van der Leeden,M., van der Esch,M.,
Thorstenson,C.A., Roorda,L.D., Lems,W.F., Dekker,J.
Proprioception in knee osteoarthritis: a narrative review
Osteoarthritis Cartilage 19 (2011)381 – 8
doi.org/10.1016/j.joca.2011.01.003
- +Knotkova,H. Clark,W.C., Mokrejs,P., Padour,F., Kuhl,J.
What do ratings of unidimensional pain and emotion scales really mean? A multidimensional affect and pain survey (MAPS) analysis of cancer pain responses
J Pain Symptom Manage 28 (2004)19 – 27
- +Knox,J. Orchowski,J., Scher,D.L., Owens,B.D., Burks,R., Belmont,P.J.Jr.
The incidence of low back pain in active duty United States military service members
Spine 36 (2011)1492 - 1500
- +Knox,J. Orchowski,J., Scher,D.L., Owens,B.D., Burks,R., Belmont,P.J.Jr.

- Occupational driving as a risk factor for low back pain in active-duty military service members
Spine J 14 (2014)592 - 7
- +Knox.M.F. Chipchase,L.S., Schabrun,S.M., Marshall,P.W.M.
Improved compensatory postural adjustments of the deep abdominals following exercise in people with chronic low back pain
J Electromyogr Kinesiol 37 (2017)117 - 24
- +Knox.M.F. Chipchase,L.S., Schabrun,S.M., Romero,R.J., Marshall,P.W.M.
Anticipatory and compensatory postural adjustments in people with low back pain: a systematic review and meta-analysis
Spine J 18 (2018)1934 - 49
- (-)Knox,P.J. Pohlig,R.T., Pugliese,J.M., Coyle,P.C., Sions,J.M., Hicks,G.E.
Abberant lumbopelvic movements predict prospective functional decline in older adults with chronic low back pain
Arch Phys Med Rehab (2021) pre press
doi.org/10.1016/j.apmr.2021.08.014
- Knox,P.J. Simon,C.B., Hicks,G.G.
Preliminary characterisation of age and chronic low back pain effects on multimodal pain sensitivity. A comparison study in older adults with and without chronic low back pain
J Pain 25 (2024)8 doi.org/10.1016/j.jpain.2024.03.005
- +Knudsen,S.E. Jensen,K.
Acute and chronic pain syndromes in multiple sclerosis
Acte Neurol Scand 85 (1991)197 - 200
- +Knutsen,K.V. Madar,A.A., Brekke,M., Meyer,H.E., Natvig,B., Mdala,I., Lagerlov,P.
Effect of vitamin D on musculoskeletal pain and headache: A randomized, double-blind, placebo-controlled trial among adult ethnic minorities in Norway
Pain 155 (2014)2591 - 8

- +Knutsson,B. Comparative value of electromyographic, myelographic and clinical-neurological examinations in diagnosis of lumbar root compression syndrome
Acta Orthop Scand 1961, Suppl. 1: 1- 135
- +Knutsson,B. Mukka,S., Wahlström,J., Järvholm,B., Sayed-Noor,A.S.
The association between tobacco smoking and surgical intervention for lumbar spinal stenosis: cohort study of 331941 workers
Spine J 18 (2018)1313 - 7
- +Knutsson,B. Sanden,B., Sjöden,G., Järvholm,B., Michaelsson,K.
Body mass index and risk for clinical lumbar spinal stenosis
Spine 40 (2015)1451 - 6
- +Knutsson,F. The instability associated with disc degeneration in the lumbar spine
Acta Radiol 25 (1944)593 – 609
- +Ko,K.J. Ha,G.C., Yook,Y.S., Kang,S.J.
Effects of 12-week lumbar stabilisation exercise and sling exercise on lumbar muscle strength, and pain scale of patients with chronic low back pain
J Phys Ther Sci 30 (2018)18 - 22
- +Ko,S. Chae,S., Choi,W., Kwon,J.
Prolonged pain reducing effect of sodium hyaluronate-carboxymethyl cellulose solution in the selective nerve root block (SNRB) of lumbar radiculopathy: a prospective, double-blind, randomized controlled clinical trial
Spine J 19 (2019)578 - 86
- +Ko,S.B. The prevalence of spondylolysis and its relationship with low back pain in selected Korean population
Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
Spine J 12 (2012)Suppl.9:115
- +Kobashi,G. Ohta,K., Washio,M., Okamoto,K., Sasaki,S., Yokoyama,T., Miyake,Y., Sakamoto,N., Hata,A. et al.

- Fokl variant of vitamin D receptor gene and factors related to atherosclerosis associated with ossification of the posterior longitudinal ligament of the spine: a multi-hospital case-control study
- Spine 33 (2008)E553 - 8
- +Kobayashi,H. Kikuchi,S.I., Konno,S.I., Kato,K., Sekiguchi,M.
- Interaction of 5-hydroxytryptamine and tumor necrosis factor alpha to pain related behaviour by nucleus pulposus applied on the nerve root in rats
- Spine 36 (2011)210 - 8
- +Kobayashi,H. Kitamura,T., Sekiguchi,M., Homma,M.K., Kabuyama,Y., Konno,S.I., Kikuchi,S.I., Homma,Y.
- Involvement of EphB1 receptor/Ephrin B2 ligand in neuropathic pain
- Spine 32 (2007)1592 – 8
- +Kobayashi,S. Meir,A., Kokubo,Y., Uchida,K., Takeno,K., Miyazaki,T., Yayama,T., Kubota,M., Nomura,E., Mwaka,E., Baba,H.
- Ultrastructural analysis in lumbar disc herniation using surgical specimens: role of neovascularisation and macropages in hernias
- Spine 34 (2009)655 – 62
- +Kobayashi,S. Mwaka,E.S., Meir,A., Uchido,K., Takeno,K., Miyazaki,T., Kubota,M., Nakajima,H., Nomura,E., Yoshizawa,H., Baba,H.
- Vasomotion of intraradikular microvessels in rat
- Spine 34 (2009a)990 – 7
- +Kobayashi,S. Takeno,K., Yayama,T., Awara,K., Miyazaki,T., Guerrero,A., Baba,H.
- Pathomechanisms of sciatica in lumbar disc herniation. Effect of periradicular adhesive tissue on electrophysiological values by an intraoperative straight leg raising test
- Spine 35 (2010a)2004 - 14
- +Kobayashi,S. Uchida,K., Kokubo,Y., Takeno,K., Yayama,T., Miyazaki,T., Nakajima,H., Nomura,E., Mwaka,E., Baba,H.

- Synapse involvement of the dorsal horn in experimental lumbar nerve root compression
- Spine 33 (2008)716 - 23
- +Kobayashi,S. Uchida,K., Yayama,T., Takeno,K., Miyazaki,T., Shimada,S., Kubota,M., Nomura,E., Meir,A., Baba,H.
- Motor neuron involvement in experimental lumbar nerve root compression
- Spine 32 (2007)627 – 34
- +Kobayashi,S. Yoshizawa,H., Nakai,S.
- Circulatory dynamics of lumbar nerve roots
- Spine 25 (2000)298 – 305
- +Kobayashi,T. Atsuta,Y., Takemitsu,M., Matsuno,T., Takeda,N.
- A prospective study of de novo scoliosis in a community based cohort
- Spine 31 (2006)178 – 82
- +Kobayashi,Y. Kurata,J., Sekiguchi,M., Kokubun,M., Akaishizawa,R.T., Chiba,Y., Konno,S.I., Kikuchi,S.I.
- Augmented cerebral activation by lumbar mechanical stimulus in chronic low back pain patients. An fMRI study
- Spine 34 (2009b)2431 – 6
doi.org/10.1097/BRS.0b013e3181b1fb76
- +Kobayashi,Y. Sekiguchi,M., Konno,S.I., Kikuchi,S.I.
- Increased intramuscular pressure in lumbar paraspinal muscles and low back pain. Model development and expression of substance P in the dorsal root ganglion.
- Spine 35 (2010)1423 - 8
- +Kobori,S. Miyagi,M., Orita,S., Gemba,T., Ishikawa,T., Kamoda,H., Suzuki,M., Hishiya,T., Yamada,T., Eguchi,Y. und weitere 8 Autoren
- Inhibition of IkappaB-Kinase beta downregulates inflammatory cytokines in injured discs and neuropeptides in dorsal root ganglia innervating injured discs in rats
- Spine 39 (2014)1171 - 7

- +Koc,Z. Ozcakir,S., Sivrioglu,K., Gurbet,A., Kucukoglu,S.
Effectiveness of physical therapy and epidural steroid injections in lumbar spinal stenosis
Spine 34 (2009)985 - 9
- +Koch,A. Nachtigall,C., Ströhle,G., Mitte,K., Strauß,B.
Mindfulness – Based Stress – Reduction in der Schmerztherapie – Stand der Evidenz
Abstracts Deutscher Schmerzkongress 2008
Schmerz 22 (2008)Suppl. 2: 104
- +Koch,D. Historische Denkmodelle der Iliosakralbewegungen – Teil 1: Relevanz der Biomechanik des Beckens
Osteopath Med 25 (2024)4: 8 – 13
www.elsevier.com/locate/ostmed
- +Koch,K. Gehrmann,U., Sawicki,P.T.
Primärärztliche Versorgung in Deutschland im internationalen Vergleich
Dt Ärztebl 104 (2007)A 2584 – 91
- Koch,M.B. Davidsen,M., Juel,K.
De Samfundsmaessige Omkostninger ved Rygsygdomme og Rygsmerter i Danmark
Statens Institut for Folkesundhet (2011)pp. 23 – 9 (zit. Jensen et al., 2017)
- +Kocyigit,F. Akalin,E., Gezer,N.S., Orbay,O., Kocyigit,A., Ada,E.
Functional magnetic resonance imaging of the effects of low-frequency transcutaneous electrical nerve stimulation on central pain modulation.A double-blind, placebo-controlled trial
Clin J Pain 28 (2012)581 - 8
- +Koda,M. Furuya,T., Kato,K., Mannoji,C., Hashimoto,M., Inada,T., Kamiya,K., Ota,M. und weitere 5 Autoren
Delayed granulocyte colony stimulation factor treatment in rats attenuates mechanical allodynia induced by chronic constriction injury of the sciatic nerve

- Spine 39 (2014)192 - 7
- +Koda,M. Nishio,Y., Hashimoto,M., Kamada,T., Koshizuka,S., Yoshinaga,K., Onodera,S., Nishihira,J., Moriya,H., Yamazaki,M.
- Up-regulation of macrophage migration inhibitory factor expression after compression-induced spinal cord injury in rats
- Acta Neuropathol 108 (2004)31 – 6
- +Kodama,D. Ono,H., Tanabe,M.
- Increased hippocampal glycine uptake and cognitive dysfunction after peripheral nerve injury
- Pain 152 (2011)809 - 17
- +Koechlin,H. Locher,C., Barke,A., Korwisi,B.
- Retrospective identification of the Diagnosis of chronic primary musculoskeletal pain: a pragmatic suggestion by The Pain Net
- Pain 166 (2025)311 – 4
doi.org/10.1097/j.pain.0000000000003380
- +Koerber,H.R. Mirnics,K., Brown,P.B., Mendell,L.M.
- Central sprouting and functional plasticity of regenerated primary afferents
- J Neurosci 14 (1994)3655 – 71
- +Koerner,J.D. Markova,D.Z., Yadla,S., Mendelis,J., Hilibrand,A., Vaccaro,A.R., Risbud,M.V.,Albert,T.J., Anderson,D.G., Kepler,C.K.
- Differential gene expression in anterior and posterior annulus fibrosus
- Spine 39 (2014)1917 - 23
- +Koerner,J.D. Markova,D.Z., Schroeder,G.D., Rihn,J.A., Hilibrand,A.S., Vaccaro,A.R., Anderson,D.G., Kepler,C.K.
- The effect of substance P on an intervertebral disc rat organ culture model
- Spine 41 (2016)1851 - 9

- +Koes,B.W. Surgery versus intensive rehabilitation programmes for chronic low back pain
B Med J 330 (2005)1220 -1
- +Koes,B.W. Evidence-based management of acute low back pain
Lancet 370 (2007)1595 - 6
- +Koes,B.W. Assendelft,W.J.J., van der Heijden,G.J.M.G., Bouter,L.M.
Spinal manipulation for low back pain. An updated systematic review of randomized clinical trials
Spine 21 (1996)2860 – 71, Discussion 2872 – 3
- +Koes,B.W. Bouter,L.M., van Mameren,H., Essers,A.H.M., Verstegen,G.M.J.R., Hofhuizen,D.M., Houben,J.P., Knipschild,P.G.,
A blinded randomized clinical trail of manual therapy and physiotherapy for chronic back and neck complaints: physical outcome measures
J Manipulative Physiol Ther 15 (1992)16 – 23
- +Koes,B.W. Bouter,L.M., van Mameren,H., Essers,A.H.M., Verstegen,G.M.J.R., Hofhuizen,D.M., Houben,J.P., Knipschild,P.G.
The effectiveness of manual therapy, physiotherapy and treatment by the general practitioner for non-specific back and neck complaints: a randomized clinical trial
Spine 17 (1992)28 – 36
- +Koes,B.W. Bouter,L.M., van Mameren,H., Essers,A.H.M., Verstegen,C.M.J.R., Hofhuizen;d.M., Houben,J.P., Knipschild,P.G.
Randomized clinical trial of manual therapy and physiotherapy for persistent back and neck complaints: results of one year follow-up
Br Med J 304 (1992)601 – 5
- +Koes,B.W. Bouter,L.M., van Mameren,H., Essers,A.H.M., Verstegen,G.J.M.G., Hofhuizen,D.M., Houben,J.P., Knipschild,P.G.
A randomized clinical trial of manual therapy and physiotherapy for persistent back and neck complaints:

- subgroup analysis and relationship between outcome measures
- J Manipulative Physiol Ther 6 (1993)211 – 9
- +Koes,B.W. Bouter,L.M., van der Heijden,G.J.M.G.
- Methodological quality of randomized clinical trials on treatment efficacy in low back pain
- Spine 20 (1995)228 – 35
- +Koes,B.W. van Tulder,M.W., Lin,C.W., Macedo,L.G., McAuley,J., Maher,C.
- An updated overview of clinical guidelines for the management of non-specific low back pain in primary care
- Eur Spine J 19 (2010)2075 – 94
- +Koes,B.W. van Tulder,M.W., Ostelo,R., Burton,K.A., Waddell,G.
- Clinical guidelines for the management of low back pain in primary care: an international comparison
- Spine 26 (2001)2504 – 13
- +Koes,B.W. van Tuder,M.W., Thomcaas,S.
- Diagnosis and treatment of low back pain
- BMJ 332 (2006)1430 – 4
- +Kögl,N. Petr,O., Löscher,W., Liljenqvist,U., Thome,C.
- Lumbale Bandscheienvorfälle. Bedeutung der Beschwerdepersistenz für die Operationsindikation
- Dt Ärztebl 121 (2024)440 – 8
doi.org/10.3238/arztebl.m2024.0074
- +Kohlboeck,G. Greimel,K.V., Piotrowski,W.P., Leibetseder,M., Krombholz-Reindl,M., Neuhofer,R., Schmid,A., Klinger,R.
- Prognosis of multifactorial outcome in lumbar discectomy. A prospective longitudinal study investigating patients with disc prolapsus
- Clin J Pain 20 (2004)455 - 61
- Kohlmann,T. Zur Konstruktion einer Kurzfassung des Funktionsfragebogens Hannover. Marburg 1984, Arbeitsbericht (zit. Kohlmann & Raspe, 1994).

- +Kohlmann,T. Die Chronifizierung von Rückenschmerzen
Bundesgesundheitsbl Gesundheitsforsch Gesundheitssch 46
(2003)327 - 35
- +Kohlmann,T. Muskuloskelettale Schmerzen in der Bevölkerung
Schmerz 17 (2003)405 - 11
- +Kohlmann,T. Deck,R., Raspe,H.
Prävalenz und Schweregrad von Rückenschmerzen in der
Lübecker Bevölkerung
Aktuelle Rheumatol 29 (1995)99 – 104
- Kohlmann,T. Raspe,H.
Die patientennahe Diagnostik von Funktionseinschränkungen
im Alltag
Psychol Med 6 (1994)21 - 7
- Kohlmann,T. Raspe,H.
Der Funktionsfragebogen Hannover zur alltagsnahen
Diagnostik der Funktionsbeeinträchtigungen durch
Rückenschmerzen (FFbH-R)
Rehabilitation 35 (1996)1 - 8
- Kohlmann,T. Schmidt,C.O.
Epidemiologie des Rückenschmerzes
In: Hildebrand,J., Müller,G., Pfingsten,M. (Hrsg.):
Lendenwirbelsäule: Elsevier, Urban & Fischer, München,
2004)
- Kohlmann,T. Schmidt,C.O.
Ergebnisse zum Verlauf über 2 Jahre aus der DFRS
Längsschnittstudie
Schmerz 21 (2007)Suppl., 46
- +Kohlmann,T. Schmidt,C.O., Raspe,H.
Körperliche Aktivität als Determinanten des Verlaufs von
Rückenschmerzen: Ergebnisse der DFRS-
Rückenschmerzstudie
Schmerz 20 (2006) Suppl.1, S 35

- +Kohno,T. Wang,H., Amaya,F., Brenner,G.J., Cheng,J.K., Ji,R.R., Woolf,C.J.
Bradykinin enhances AMPA and NMDA receptor activity in spinal cord dorsal horn neurones by activating multiple kinases to produce pain hypersensitivity
J Neurosci 28 (2008)4533 – 40
- +Kohte,R. Kohlmann,Th., Klink,T., R  ther,W., Klinger,R.
Impact of low back pain on functional limitations, depressed mood and quality of life in patients with rheumatoid arthritis
Pain 127 (2007)103 - 8
- Koike,Y. Uzuki,M., Kokubun,S., Sawai,T.
Angiogenesis and inflammatory cell infiltration in lumbar disc herniation
Spine 28 (2003)1928 – 33 (zit. Nakazawa et al., 2018)
- +Kokmeyer,D.J. van der Wurff,P., Aufdemkampe,G., Fickenscher,T.C.
The reliability of multitest regimens with sacroiliac pain provocation tests
J Manipulative Physiol Ther 25 (2002)42 – 8
- Kolar,P. The sensomotor nature of postural function. Its fundamental role in rehabilitation of the motor system
J Orthop Med 21 (1999)40 – 5 (zit Lewit, 2007)
- Kolar,P. Facilitation of agonist-antagonist coactivation by reflex stimulation methods
In: Liebenson,C. (ed.) Rehabilitation of the spine, 2nd ed., Lippincott Williams & Wilkins, Philadelphia 2006 (zit Lewit, 2007)
- Kolar,P. et al. Clinical Rehabilitation Textbook
Prague School, Prague, 2014 (so zit. Schildt-Rudloff, 2014)
- Kolber,M.R. Ton,J., Thomas,B., Kirkwood,J., Moe,S., Dugre,N., Chan,K., Lindblad,A.J.,McCormac,J., Garrison,S.
PEER systematic review of randomized controlled trials: management of chronic low back pain in primary care

- Can Fam Physician 67 (2021)1: e20 – e30 (zit. Beyer et al., 2022)
- +Köllner,V. Rupp,S.
Psychosomatische Aspekte in der Orthopädie
Manuelle Med 51 (2013)209 - 17
- +Koltsov,J. Smuck,M., Zagel,A., Hu,S.S.
Lumbar epidural steroid injections: incidence and determinants of subsequent surgery
Proceedings of the 32nd annual meeting of the north 2017
Spine J 17 (2017) 10 Suppl.: S 90
- +Koltsov,J.C.B. Smuck,M.W., Zagel,A., Alamin,T.F., Wood,K.B., Cheng,I., Hu,S.S.
Lumbar epidural steroid injections for herniation and stenosis: incidence and risk factors of subsequent surgery
Spine J 19 (2019)199 - 205
- +Koltzenburg,M. Handwerker,H.O.
Differential ability of human cutaneous nociceptors to signal mechanical pain and to produce vasodilatation
J Neurosci 14 (1994)1756 – 65
- +Koltzenburg,M. Lundberg,L.E., Torebjork,H.E.
Dynamic and static components of mechanical hyperalgesia in human hairy skin
Pain 51 (1992)207 – 19
- +Koltzenburg,M. Torebjork,H.E., Wahren,L.K.
Nociceptor modulated central sensitization causes mechanical hyperalgesia in acute chemogenic and chronic neuropathic pain
Brain 117 (1994)597 – 91
- +Kolu,P. Tokola,K., Kankaanpää,M., Suni,J.
Evaluation of the effects of physical activity, cardiorespiratory condition, and neuromuscular fitness on direct healthcare

- costs and sickness related absence among nursing personnel with recurrent nonspecific low back pain
- Spine 42 (2017)854 - 62
- Komisaruk,B.R. Frangos,E.
- Vagus nerve afferent stimulation: projection into the brain, reflexive physiological, perceptual and behavioral responses, and clinical relevance
- Auton Neurosci 237 (2022)102908
doi.org/10.1016/j.autneu.2021.102908
- +Konczak,C.D. Ames,R.
- Relief of internal snapping hip syndrome in a marathon runner after chiropractic treatment
- J Manipulative Physiol Ther 28 (2005)67.e1 – e7
- +Konczak,C.R. Chiropractic utilisation in BMX athletes at the UCI World Championships: a retrospective study
- J Can Chiropr Assoc 54 (2010)250 - 6
- +Kondo,D. Yabe,R., Kurihara,T., Saegusa,H., Zong,S., Tanabe,T.
- Progesteron receptor antagonist is effective in relieving neuropathic pain
- Eur J Pharmacol 541 (2006)44 – 8
- +Kondziella,W. Beitrag zur klinischen und röntgenfunktionsanalytischen Diagnostik und Behandlung von Kreuzschmerzen bei Beckenverwringung
- Schmerz 10 (1996)204 - 10
- +Kondziella,W. Kreuzschmerzsyndrom – eine Ganzkörperreaktion
- Manuelle Med 41 (2003)22 – 9
- +Kong,J. Jense,K., Loiotile,R.,Cheetharn,A., Wey,H.Y., Tan,Y., Rosen,B., Smoller,J.W., Kaptchuk,T.J., Gollub,R.L.
- Fuctional connectivity of the frontoparietal network predicts cognitive modulation of pain
- Pain 154 (2013)459 - 67
- +Kong,J. Loggia,M.L., Zyloney,C., Tu,P., LaViolette,P., Gollub,R.L.

	Exploring the brain in pain: Activations, deactivations and their relation
	Pain 148 (2010)257 - 67
Kong,J.	Spaeth,B., Wey,H.Y., Cheetham,A., Cook,A.H., Jensen,K., Tan,Y., ..., Gollub,R.L. und weitere 6 Autoren
	S 1 is associated with chronic low back pain: a functional and MRI – study
	Molecular Pain 9 (2013)43 doi.org/10.1186/1744-8069-9-43
(-)Kong,J.T.	Puetz,C., Tian,L., Haynes,I., Lee,E., Stafford,R.S., Manber,R., Mackey,S.
	Effect of electroacupuncture vs sham treatment on change in pain severity among adults woith chronic low back pain: A randomized clinical trial
	JAMA Netw Open 3 (2020)10: e2022787 doi.org/10.1001/jamanetworkopen.2020.22787
Kong,K.H.	Ng,W.W.
	Treatment of chronic pain with an auricular acupuncture device (P.Stim) in Singapore
	Acupunct Med 27 (2009a)187 – 8 (zit. Likar et al., 2024) doi.org/10.1136/aim.2009.001388
+Kong,M.H.	Morishita,Y., He,W., Miyazaki,M., Zhang,H., Wu,G., Hymanson,H., Wang,J.C.
	Lumbar segmental mobility according to the grade of the disc, the facet joint, the muscle, and the ligament pathology by using kinetic magnetic resonance imaging
	Spine 34 (2009)2537 - 44
+Kong,Q.	Ma,X., Li,F., Guo,Z., Qi,Q., Li,W., Yuan,H., Wang,Z., Chen,Z.
	COL6A1 polymorphisms associated with ossifikation of the ligamentum flavum and ossifikation of the posterior longitudinal ligament
	Spine 32 (2007)2834 – 8
+Kongsted,A.	Davies,L., Axen,I.

- Low back pain patients in Sweden, Denmark and the UK share similar characteristics and outcomes: a cross-national comparison of prospective cohort studies
- BMC Musculoskel Disord 16 (2015)367
- +Kongsted,A, Kent,P.,Hestbaek,L., Vach,W.
- Pateints with low back pain had distinct clinical course patterns that were typical neither complete recovery nor constant pain. A latent class analysis of longitudinal data
- Spine J 15 (2015)885 - 94
- +Kongstedt,A. Secher Jensen,T., Doktor,K., Hestbeak,L.
- Effects of weekly pain monitoring on back pain outcomes: a nonrandomized controlled study
- Chiropr Man Ther 29 (2021)37 doi.org/10.1186/s12998-021-00393-2
- +Kongsted,A. Vach,W., Axo,M., Bech,R.N., Hestbaek,L.
- Expectation of recovery from low back pain. A longitudinal cohort study investigating patient characteristics related to expectations and the association between expectations and 3-month outcome
- Spine 39 (2014)81 - 90
- +Konieczny,M.R. Jäger,M.
- CME Zertifizierte Fortbildung: Spondylolisthesis
- Schmerz 38 (2024)157 – 66 doi.org/10.1007/s00482-024-00804-2
- +König,W. Der funktionelle Schmerz. Es muss nicht unbedingt Nozizeption sein.
- Manuelle Med 47 (2009)112 - 6
- +König,W. Funktionelle Störungen in manueller und psychomatischer Medizin
- Manuelle Med 55 (2017)370 - 4
- +Königshausen,M. Bernstorff,M., Schumann,N., Finke,A., Schildhauer,T.
- Analyse der Schmerzverteilung beim Fitness-Breitensportler

Sports, Medicine and Health Summit, Hamburg, 2023,
Abstract 164, PT-03-007

Dt Z Sportmed 74 (2023)4: 135

Konieczny,M.R.

Senyurt,H., Krauspe,R.

Epidemiology of adolescent idiopathic scoliosis

J Child Orthop 7 (2013)3 – 9 doi.org/10.1007/s11832-012-0457-4 (zit. Teles et al., 2019)

+Konietzny,F.

Hensel,H.

The dynamic response of warm units in human skin nerves

Pflügers Arch 370 (1977)111 – 4

+Konno,S.

Kikuchi,S., Yoshihiro,N.

The relationship between intramuscular pressure of the
paraspinal muscles and low back pain

Spine 19 (1994)2186 – 9

+Konno,S.

Oda,N., Ochiai,T., Alev,L.

Randomized, double-blind, placebo-controlled phase III trial
of duloxetine monotherapy in Japanese patients with chronic
low back pain

Spine 41 (2016)1709 - 17

Konrad,K.L.

Baeyens,J.P., Birkenmaier,C., Ranker,A.H., Widmann,J.,
Leukert,J., Wenisch,L., Kraft,E. und zwei weitere Autoren

The effects of whole-body electromyostimulation (WB-EMS)
in comparison to a multimodal treatment concept in patients
with non-specific low back pain – a prospective clinical
intervention study

Plos One 15 (2020)e0236780
doi.org/10.1371/journal.pone.0236780

+Konrad,P.

Freiwald,J., Schulte-Frei,B.

Trainingskonzepte zur Kräftigung der Rumpfmuskulatur

Sportorthop Sporttraumatol 20 (2004)21 – 7

+Konstantinou,K.

Beardmore,R., Dunn,K., Lewis,M., Hider,S.I., Sanders,T.,
Jowett,S., Somerville,S., Stynes,S., Vogel,S., van der
Windt,D.A.W.M., Hay,E.M:

	Clinical course, characteristics and prognostic indicators in patients presenting with back and leg pain in primary care. The ATLAS study protocol BMC Musculoskelet Disord 13 (2012)4
+Konstantinou,K.	Dunn,K.M. Sciatica: Review of epidemiological studies and prevalence estimates Spine 33 (2008)2464 - 72
+Konstantinou,K.	Hider,S.L., Jordan,J.L., Lewis,M., Dunn,K.M., Hay,E.M. The impact of low back-related leg pain on outcomes as compared with low back pain alone. A systematic review of the literature Clin J Pain 29 (2013)644 - 54
+Koo,S.T.	Lim,K.S., Chung,K., Ju,H., Chung,J.M. Electroacupuncture-induced analgesia in a rat model of ankle sprain pain is mediated by spinal alpha-adrenoceptors Pain 135 (2008)11 - 9
Koob,G.F.	Bloom,F.E. Cellular and molecular mechanisms of drug dependence Science 242 (1988)715 – 23 (zit. Richebe et al., 2012)
Koob,G.F.	Le Moal,M. Drug abuse: hedonic homeostatic dysregulation Science 278 (1997)52 – 8 (zit. Ballantyne & Sullivan, 2017)
Koob,G.F.	Le Moal,M. Drug addiction: dysregulation or reward, and allostasis Neuropharm 24 (2001)97 – 129 (zit. Ballantyne & Sullivan, 2017)
Koob,G.F.	Volkow,N.D. Neurobiology of addiction: a neurocircuitry analysis Lancet Psychiatry 3 (2016)760 – 73 (zit. Ballantyne & Sullivan, 2017)

- +Kool,J. de Bie,R., Oesch,P., Knüsel,O., van den Brandt,P., Bachmann,S.
Exercise reduces sick leave in patients with non-acute non-specific low back pain: a meta-analysis
J Rehabil Med 36 (2004)49 – 62
- +Kool,J. Pescioli,A.
Clinical reasoning: die Qualität diagnostischer Tests
Manuelle Therapie (1997)1: 11 – 16
- +Koopman,J.S.H.A. Vrinten,D.H., van Wijck,A,J.M.
Efficacy of microcurrent therapy in the treatment of chronic nonspecific back pain. A piloz study
Clin J Pain 25 (2009)495 – 9
- +Kopach,O. Kao,S.C., Petralia,R.S., Belan,P., Tao,Y.X., Vointenko,N.
Inflammation alters trafficking of extrasynaptic AMPA receptors in tonically firing lamina II neurons oft the rat spinal dorsal horn
Pain 152 (2011)912 - 23
- +Kopach,O. Krotov,V., Belan,P., Voitenko,N.
Inflammatory-induced changes in synaptic drive and postsynaptic AMPARs in lamina II dorsal horn neurons are cell-type specific
Pain 156 (2015)428 - 38
- +Kopach,O. Viatchenko-Karpinski,V, Atianjoh,F.E., Belan,P., Tao,Y.X., Voitenko,N.
PKC-alpha is requiredfor inflammation-induced trafficking of extrasynaptic AMPA receptors in tonically firing lamina II dorsal horn neurons during the maintenance of persistent inflammatory pain
J Pain 14 (2013)182 – 92
- +Kopach,O. Voitenko,N.
Extrasynaptic AMPA-receptors in the dorsal horn: evidence and functional significans
Brain Res Bull 93 (2013)47 – 56

- +Kopec,J.A. Esdaile,J.M., Abrahamovicz,M., Abenhaim,L., Wood-Dauphinee,S., Lamping,D.L., Williams,J.I.
- The Quebec Back Pain Disability Scale: measurement properties
- Spine 20(1995)341 – 352
- +Kopec,J.A. Sayre,E.C., Esdaile,J.M.
- Predictors of back pain in a general population cohort Spine 29 (2004)70 - 7
- +Kopec,J.A Sayre,E.C.
- Stressful experiences in childhood and chronic back pain in the general population
- Clin J Pain 21 (2005)478 -83
- +Koplovitch,P. Devor,M.
- Dilute lidocaine suppresses ectopic neuropathic discharge in dorsal root ganglia without blocking axonal propagation: a new approach to selective pain control
- Pain 159 (2018)1244 - 56
- +Kopp,S. Friedrichs,A., Pfaff,G., Langbein,U.
- Beeinflussung des funktionellen Bewegungsraums von Hals-, Brust- und Lendenwirbelsäule durch Aufbissbehelfe. Eine Pilotstudie
- Manuelle Med 41 (2003)39 - 51
- +Kopp,S. Sebald,W.G., Langbein,U.
- Kraniomandibuläre Dysfunktionen und Kieferorthopädie
- Prakt Kieferorthop 17 (2003)323 – 34
- Koppenaar,T. Pisters,M.F., Kloek,C.J.J., Arensman,R.M., Ostelo,R.W.J.G., Veenhof,C.
- The 3-month effectiveness of a stratified blended physiotherapy intervention in patients with nonspecific low back pain: cluster randomized controlled trial
- J Med Internet Res 24 (2022)e31675
doi.org/10.1186/ISRCTN94074203

- +Koppenhaver,S.L. Fritz,J.M., Hebert,J.J., Kawchuk,G.N., Childs,J.D., Parent,E.C., Gill,N.W., Teyhen,D.S.
Association between changes in abdominal and lumbar multifidus muscle thickness and clinical improvement after spinal manipulation
J Orthop Sports Phys Ther 41 (2011)389 - 99
- (-)Koppenhaver,S.L. Weaver,A.M., Randall,T.L., Hollins,R.J., Young,B.A., Hebert,J.J.
Effect of dry needling on lumbar muscle stiffness in patients with low back pain: A double blind, randomized controlled trial using shear wave elastography
J Man Manipul Ther (2021) online 16.09.2021
doi.org/10.1080/10669817.2021.1977069
- +Koppert,W. Opioid-induzierte Hyperalgesie. Pathophysiologie und Klinik
Anesthesist 53 (2004)455 – 66
- +Koppert,W. Opioidvermittelte Analgesie und Hyperalgesie: Dr. Jekyll und Mr. Hyde der Schmerztherapie
Schmerz 19 (2005)386 – 94
- +Koppert,W. Göttlich ist es, den Schmerz zu lindern... (Editorial)
Dtsch Ärztebl 110 (2013)4: 43 - 4
- +Koppert,W. Brueckl,V., Weidner,C., Schmelz,M.
Mechanical induced axon reflex and hyperalgesia in human UV-B burn are reduced by systemic lidocaine
Eur J Pain 8 (2004a)237 – 44
- +Koppert,W. Sittl,R., Scheuber,K., Alsheimer,M., Schmerlz,M., Schuttler,J.
Differential modulation of remifentanyl-induced analgesia and postinfusion hyperalgesia by S-ketamine and clonidine in humans
Anesthesiology 99 (2003)152 – 9
- +Koppert,W. Wehrfritz,A., Korber,N., Sittl,R., Albrecht,S., Schuttler,J. et al.
The cyclooxygenase isoenzyme inhibitors parecoxib and paracetamol reduce central hyperalgesia in humans
Pain 108 (2004b)148 - 53

- +Korecki,C.L. Costi,J.J., Iatridis,J.C.
Needle puncture injury affects intervertebral disc mechanics and biology in an organ culture model
Spine 33 (2008)235 - 41
- +Korecki,C.L. MacLean,J.J., Iatridis,J.C.
Dynamic compression effects on intervertebral disc mechanics and biology
Spine 33 (2008a)1403 - 9
- +Korhonen,T. Karppinen,J., Paimela,L., Malmivaara,A., Lindgren,K.A., Bowman,C., Hammond,A., Kirkharn,B. und weitere 8 Autoren
The treatment of disc herniation-induced sciatica with infliximab: One-year follow-up results of FIRST II, a randomized controlled trial
Spine 31 (2006)2759 - 66
- +Kori,S.H. Miller,R.P., Todd,D.D.
Kinesiophobia: a new view of chronic pain behaviour
Pain Manage 3 (1990)35 – 43
- +Körner,D. Porthun,I., Woisetschläger,G.
Interrater-Reliabilität von osteopathischen Befunden am Beispiel der Zwerchfelluntersuchung
Osteopath Med 16 (2015)3: 25 - 8
- Körner,L. Parker,P., Almström,C., Herberts,P., Kadefors,R.
The relation between spectral changes of the myoelectric signal and the intramuscular pressure of human skeletal muscle
Eur J Appl Physiol 52 (1984)202 – 6
- +Kornhuber,J. Bleich,S., Wiltfang,J., Maler,M., Parsosns,C.G.
Flupirtine shows functional NMDA receptor antagonism by enhancing Mg⁺⁺ - block via activation of voltage independent potassium channels
J Neural Transm 106 (1999)857 – 67
- Korr,I.M. The neural basis of the osteopathic lesion

- J Am Osteop Assoc (1947)191 – 8 (so zit. Franke, 2006)
- +Korr,I.M. Experimental alterations in segmental sympathetic(sweet gland) activity though myofascial and postural disturbaces
Federation Proc 8 (1949)88
- +Korr,I.M. Cutaneous patterns of sympathetic activity in clinical abnormalities of the musculoskeletal system
Acta Neuroveg 25 (1964)589 - 606
- Korr,I.M. The facilitatet segment: a factor in injury to the body framework (1973)
The Collected Papers of Irvine M. Korr. Colorado Springs,CO, Amerivan Academy of Osteopathy, 1979, pp. 188 -9 (zit. Thomas, 2007)
- +Korr,I.M. Proprioceptors and somatic dysfunction
JAOA 74 (1975)638 – 50
- Korr,I.M. Research origins of the concept of segmental facilitation
AAO Yearbook 1987, S. 86 (zit. Franke, 2006)
- +Korres,D.S. Ioupassis,G., Stamos,K.
Results of lumbar discectomy: a study using 15 different evaluating methods
Eur Spine J 1 (1992)20 – 4
- +Korthals-de Bos,I. Van Tulder,M., van Dieten,H., Bouter,L.
Economic evaluations and randomized trials in spinal disorders: principles and methods
Spine 29 (2004)442 – 8
- +Kosaka,H. Sairyo,K., Biyaki,A., Leaman,D., Yeasting,R., Higashino,K., Sakai,T., katoH,S., Sano,T., Goel,V.K., Yasui,N.
Pathomechanism of loss of elasticity and hypertrophy of lumbar ligamentum flavum in elderly patients with lumbar spinal canal stenosis
Spine 32 (2007)2805 - 11
- Kosaras,B. Jakubowski,M., Kainz,V., Burstein,R.
Sensory innervation of the calvarian bones of the mouse

- J Comp Neurol 515 (2009)331 – 48
doi.org/10.1002/cne.22049
- (+)Kosasih,C.E. Solehati,T., Cakrakyat,A.
- Non-invasive treatment to reduce low back pain among treatment acupuncture, massage, spinal manipulation, yoga, and tai chi. A systematic review
- J Matern Care Repl 1 (2018)1
- +Kosek,E. Clauw,D., Nijs,J., Baron,R., Gilron,I., Harris,R.E., Mico,J.A., Rice,A.S.C., Sterling,M.
- Chronic nociplastic pain affecting the musculoskeletal system: clinical criteria and grading system
- Pain 162 (2021)2629 – 34
doi.org/10.1097/j.pain.0000000000002324
- +Kosek,E. Cohen,M., Baron,R., Gebhart,G.F., Mico,J.A., Rice,A.S.C., Rief,W., Sluka,A.K.
- Do we need a third mechanistic descriptor for chronic pain states?
- Pain 157 (2016)1382 – 6
doi.org/10.1097/j.pain.0000000000000507
- +Kosharsky,B. Rozen,D.
- Lumbaler diskogener Schmerz: Bandscheibendegeneration und minimalinvasive Therapie
- Notfall Hausarztmed 33 (2007)306 - 11
- +Kosinski,M.R. Schein,J.R., Vallow,S.M., Ascher,S., Harte,C., Shiklar,R., Frank,L., Margotte,M.K., Vorsanger,G.
- An observational study on health-related quality of life and pain outcomes in low back pain patients treated with fentanyl transdermal system
- Curr Med Res Opin 21 (2005)849 – 62
- +Kosseva,M. Schild,S., Wilhelm-Schwenk,R., Biewer,W., Häuser,W.
- Komorbide depressive Störungen als Mediator der Assoziation von Misshandlungen in Kindheit/Jugend und Fibromyalgiesyndrom. Eine Fallserie von Patienten aus unterschiedlichen klinischen Kontexten

- Schmerz 24 (2010)474 - 84
- +Kosson,D. Klinowiecka,A., Kosson,P., Bonney,I., Carr,D.B., Mayzner-Zawadzka,E., Lipkowski,A.W.
- Intrathecal antinociceptive interaction between the NMDA antagonist ketamine and the opioids, morphine and buphalin
- Eur J Pain 12 (2008)611 - 6
- +Kosteljanetz,M. Espersen,J.O., Halaburt,H., Miletic,T.,
- Predictive value of clinical and surgical findings in patients with lumbago-sciatica. A prospective study, Part I
- Acta Neurochir 73 (1984)67 – 76
- Kostuik,J. Adult scoliosis: The lumbar spine, 2nd ed. Vol. 2, Philadelphia: Lippincott Raven, 1997, 733 – 75 (so zit. Ploumis et al., 2007)
- Kostuik,J.P. Bentivoglio,J.
- The incidence of low back pain in adult scoliosis
- Acta Orthop Belg 47 (1981)548 – 59 (zit. Yamada et al., 2016)
- +Kotikalapudi,R. Kincses,B., Zunhammer,M., Schlitt,F., Asan,L., Schmidt-Wilke,T., Kincses,Z.T., Binger,U., Spisak,T.
- Brain morphology predicts individual sensitivity to pain: a multicenter machine learning approach
- Pain 164 (2023)2516 – 27
doi.org/10.1097/j.pain.0000000000002958
- +Kotilainen,E. Muittari,P., Kirvela,O.
- Intradiscal glycerol or bupivacaine in the treatment of low back pain
- Acta Neurochir (Wien) 139 (1997)541 - 5
- +Koumantakis,G. Watson,P., Oldham,J.
- Trunk muscle stabilizing training plus general exercise versus general exercise only. Randomized controlled trial of patients with recurrent low back pain
- Proceedings of the 4th International World Federation of Physical Therapy Congress, Barcelona, Spain, 2003 (zit. Ferreira et al., 2006)

- Phys Ther 85 (2005)209 – 25
- +Koumantakis,G. Watson,P., Oldham,J.
- Supplementation of general endurance exercise with stabilization training versus general exercise only: physiological and functional outcomes of a randomized controlled trial of patients with recurrent low back pain
- Clin Biomech 20 (2005)474 – 82
- +Koumantakis,G.A. Winstanley,J., Oldham,J.A.
- Thoracolumbar proprioception in individuals with and without low back pain: intratester reliability, clinical applicability, and validity
- J Orthop Sports Phys Ther 32 (2002)327 – 35
- +Kourtis,D. Magnusson,M.I., Smith,F., Hadjipavlou,A., Pope,M.H.
- Spine height and disc height changes as the effect of hyperextension using stadiometry and MRI
- Iowa Orthop J 24 (2004)65 – 71
- +Kovacs,F.M. Abaira,V., Cano,A., Royuela,A., Gil del Real,M.T., Gestoso,M., Mufraggi,N., Muriel,A., Zamora,J.
- Fear avoidance beliefs do not influence disability and quality of life in Spanish elderly subjects with low back pain
- Spine 32 (2007c)2133 - 8
- +Kovacs,F.M. Abaira,V., Muriel,A., Corcoll,J., Alegre,L., Tomas,M., Atonia,M., Tobajas,P., Gestosos,M., Mufraggi,N., Gil del Real,M.T., Zamora,J.
- Prognostic factors for neuroreflexotherapy in the treatment of subacute and chronic neck and back pain : a study of predictors of clinical outcome in routine practice of the Spanish national health service
- Spine 32 (2007)1621 – 8
- +Kovacs,F.M. Abaira,V., Pena,A., Martin-Rodriguez,G., Sanchez-Vera,M., Ferrer,E., Ruano,D., Guillen,P., Gestoso,M., Muriel,A., Zamora,J., Gil de Real,M.T., Mufraggi,N.
- Effect of firmness of mattress on chronic non-specific low-back pain: randomised, double-blind, controlled, multicenter trial

- Lancet 362 (2003)1599 - 604
- +Kovacs,F.M. Abraira,V., Santos,S., Diaz,E., Gestoso,M., Muriel,A., Gil del Real,M.T., Mufraggi,N., Noguera,J., Zamora,J.
- A comparison of two short educational programs for improving low back pain-related disability in the elderly: a cluster randomized controlled trial
- Spine 32 (2007)1053 – 9
- +Kovacs,F.M. Abraira,V., Zamora,J., Fernandez,C.,
- The transition from acute to subacute and chronic low back pain
- Spine 30 (2005)1786 - 92
- +Kovacs,F.M. Abraira,V., Zamora,J., Gil de Real,M.T., Llobera,J., Fernandez,C.
- Correlation between pain, disability, and quality of life in patients with common low back pain
- Spine 29 (2004)206 - 10
- +Kovacz,F.M. Arana,E., Royuela,A., Estremera,A., Amengual,G., Asenjo,B., Sarasibar,H., Gafarraga,I., Alonso,A., Casillas,C., Muriel,A., Martinez,C., Abraira,V.
- Vertebral endplate changes are not associated with chronic low back pain among southern European subjects. A case control study
- Am J Neuroradiol 33 (2012c)1519 - 24
- +Kovacz,F.M. Fernandez,C., Cordero,A., Muriel,A., Gonzales-Lujan,L., Gil de Real,M.T., Spanish Back Pain research Network
- Nonspecific low back pain in primary care in the Spanish National Health Service: a prospective study on clinical outcomes and determinants of management
- BMC Health Serv Res 57 (2006) 1 - 12
- +Kovacs,F.M. Garcia,E., Royuela,A., Gonzales,L., Abraira,V.,
- Prevalence and factors associated with low back pain and pelvic girdle pain during pregnancy
- Spine 37 (2012)1516 - 33

- +Kovacs,F.M. Gestoso,M., Gil de Real,M.T., Lopez,J., Mufraggi,N., Mendez,J.L.
- Risk factors for non-specific low back pain in schoolchildren and their parents: a population based study
- Pain 103 (2003)259 – 68
- +Kovacs,F.M. Muriel,A., Abaira,V., Medina,J.M., Castillo Sanches,M.D., Olabe,J.,
- The influence of fear avoidance beliefs on disability and quality of life is sparse in Spanish low back pain patients
- Spine 30 (2005)E676 - 82
- Kovacs,F.M. Muriel,A, Sanches,M.D.C., Medina,J.M., Royuela,A. and the Spanish back pain research network
- Fear avoidance beliefs influence duration of sick leave in Spanish low back pain patients
- Spine 32 (2007b)1761 – 6
- +Kovacs,F.M. Seco,J., Royuela,A., Pena,A., Muriel,A.,
- The correlation between pain, catastrophizing, and disability in subacute and chronic low back pain
- Spine 36 (2011)339 - 45
- +Kovacs,F.M. Seco,J., Royuela,A., Corcoll-Reixach,J., Pena-Arrebola,A.,
- The prognostic value of catastrophizing for predicting the clinical evolution of low back pain patients: a study in routine clinical practice within the Spanish national health service
- Spine J 12 (2012a)545 - 55
- +Kovacs,F.M. Seco,J., Royuela,A., Reixach,J.C., Abaira,V.
- Predicting the evolution of low back pain patients in routine clinical practice: results from a registry within the SpanishNational Health Service
- Spine J 12 (2012b)1008 - 20
- +Kovacs,F.M. Urrutia,G., Alarcon,J.D.
- Surgery versus conservative treatment for symptomatic lumbar spinal stenosis: a systematic review of randomized controlled trias

- Spine 36 (2011a)E1335 - 52
- +Kovanur-Sampath,K. Mani,R., Cotter,J., Gisselman,A.S., Tumilly,S.
Changes in biochemical markers following spinal manipulation – a systemic review and meta - analysis
Musculoskel Sci Pract 29 (2017)120 - 31 (nur Abstr.)
- +Koyama,K. . Nakazato,K., Min,S.K., Gushiken,K., Hatakeda,Y., Seo,K., Hiranuma,K
Radiological abnormalities and low back pain in gymnasts
Int J Sports Med 34 (2013)218 -222
- Kraan,G.A. Delwel,E.J., Hoogland,P.V.J.M. et al.
Extraforaminal ligament attachments of human lumbar nerves
Spine 30 (2005)601 – 5 (zit. Zhong et al., 2017)
- +Kraatari,M. Skarp,S., Niinimäki,J., Karppinen,J., Männikkö,M.
A whole exome study identifies novel candidate genes for vertebral bone marrow signal changes (Modic changes)
Spine 42 (2017)1201 - 6
- Krabak,B. Kennedy,D.J.
Functional rehabilitation of lumbar spine injuries in the athlete
Sports Med Arthrosc Rev 16 (2008)47 – 54 (zit. Schroeder et al., 2015)
- +Kraft,C.N. Scharfstädt,A., Yong,M., Westhoff,B., Urban,N., v.Falkenhausen,M., Pennekamp,P.H.
Zusammenhang zwischen Rückenschmerzen und kernspintomografischen LWS-Befunden bei Hochleistungsvoltigierern
Sportverl Sportschad 21 (2007)142 - 7
- +Kraft,C.N. Urban,N., Ilg,A., Wallny,T., Scharfstädt,A., Jäger,M., Pennekamp,P.H.
Einfluss der Reitdisziplin und –intensität auf die Inzidenz von Rückenschmerzen bei Reitsportlern

- Sportverl Sportschad 21 (2007)29 – 33
- Kraft,K. Moor – eine moderne naturheilkundliche Therapieoption
Biol Med (2005) 157 – 60
- +Krämer,J. Kreuzschmerzen aus orthopädischer Sicht
Dt.Ärztebl 91 (1994)270 - 7
- Krämer,J. Bandscheibenbedingte Erkrankungen
4. Aufl., Thieme, Stuttgart,1997, S. 224 (zit. Rohde, 2011)
- +Krämer,J. Blettner,M., Hammer,G.P.
Bildgesteuerte Injektionstherapie an der lendenwirbelsäule
Dt Ärztebl 105 (2008)596 - 7
- +Kramer,P.A. Prevalence and distribution of spinal osteoarthritis in women
Spine 31 (2006)2843 - 8
- +Kras,J.V. Dong,L., Winkelstein,B.A.
The prostaglandin E 2 receptor, EP2, is upregulated in the dorsal root ganglion after painful cervical facet joint injury in the rat
Spine 38 (2013)217 - 22
- +Kraus,J. Börner,C., Giannini,E., Höllt,V.
The role of nuclear factor kappaB in tumor necrosis factor-regulated transcription of the human mu-opioid receptor gene
Mol Pharmacol 64 (2003)876 – 84
- +Kraus,J.F. Brown,K.A., McArthur,D.L., Peek-Asa,C., Samaniego,L., Kraus,C., Zhou,L.
Reduction of acute low back injuries by use of back supports
Int J Occup Environ Health 2 (1996)264 – 73
- +Kraus,L. Seitz,N.N., Schulte,B., Cremer-Schaeffler,P., Braun,B., Verthein,U., Pfeiffer-Gerschel,T.
Schätzung der Anzahl von Personen mit einer Opioidabhängigkeit
Dt Ärztebl 116 (2019)137 - 43

- +Kraus,S. Retardiertes Oxycodon und Naloxon lindert chronische Rückenschmerzen
Schmerzmed 30 (2014)4: 16
- Kraus,S.L. Cervical spine influences on the craniomandibular region
In: Kraus,S.L. (ed) TMG disorders: management of the craniomendibular complex
Churchill Livingstone, New York, 1988 (zit. Ohlendorff et al., 2014)
- +Krause,L. Mauz,E.
Kopf-, Bauch- und Rückenschmerzen bei Kindern und Jugendlichen in Thüringen. Repräsentative Ergebnisse einer regionalen Modulstudie in KiGGS Welle 1
Schmerz 32 (2018)105 - 14
- +Krause,N. Frank,J.W., Dasinger,L.K., Sullivan,T.J., Sinclair,S.J.
Determinants of duration of disability and return-to-work after work related injury and illness: Challenges for future research
Am J Ind Med 40 (2001)464 – 84
- +Krause,N. Ragland,D.R.
Occupational disability due to low back pain: a new interdisciplinary classification based on a physe model of disability
Spine 19 (1994)1011 – 20
- Krauth,C. et al. Rückenschmerz: Krankheitskosten und Einsparpotentiale präventiver Interventionen
In: Hildebrandt,J, Müller,G, Pfingsten,M.: Lendenwirbelsäule, Elsevier, Urban und Fischer 2004
- Krauthamer,G.M. Whitaker,A.H.
Cortical synchronisation evoked by noxious bradykinin stimulation under barbiturate anaesthesia
Brain Res 80 (1974)141 – 5 (zit. Apakarian & Chialvo, 2006)
- +Kravitz,E. Moore,M.E., Glaros,A.
Paralumbal muscle activity in chronic low back pain

- Arch Phys Med Rehabil 62 (1981)172 – 6
- +Kreiner,D.S. Baisden,J., Mazanec,D.J., Patel,R.D., Bess,R.S., Burton,D., Chutkan,N.B., Cohen,B.A. und weitere 13 Autoren
- Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of adult isthmic spondylolisthesis
- Spine J 16 (2016)1478 - 85
- +Kreiner,D.S. Hwang,S.W., Easa,J.E., Resnick,D.K., Baisden,J.L., Bess,S., Cho,C.H., DePalma,M.J. und weitere 16 Autoren
- An evidence based clinical guideline for the diagnosis and treatment of lumbar disc herniation with radiculopathy
- Spine J 14 (2014)180 - 91
- +Kreiner,D.S. Matz,P., Cho,C.H., Easa,J.E., Ghiselli,G., Ghogawala,Z., Reitman,C.A., Resnik,D.K. und weitere 42 Autoren
- Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of low back pain
- Spine J 20 (2020)998 - 1024
- +Kreiner,D.S. Shaffer,W.O., Baisden,J.L., Gilbert,T.J., Summers,J.T., Toton,J.F., Hwang,S.W., Mendel,R.C., Reitman,C.A.
- An evidence-based clinical guideline for the diagnosis and treatment of degenerative lumbar spinal stenosis (updated)
- Spine J 13 (2013)734 - 47
- +Kreiner,F. Galbo,H.
- Elevated muscle interstitial levels of pain-inducing substances in symptomatic muscles in patients with polymyalgia rheumatic
- Pain 152 (2011)1127 - 32
- +Kress,H.G. Clinical update on the pharmacology, efficacy and safety of transdermal buprenorphine
- Eur J Pain 13 (2009)219 – 30
- +Krettek,C. Henzler,D., Hoffmann,R., Tscherne,H.
- Ein neues Verfahren zur Bestimmung von Beinlängen und Beinlängendifferenzen mit Hilfe der Sonographie.

I Entwicklung und experimentelle Untersuchungen

Unfallchirurg 97 (1994)98 – 106

+Krettek,C.

Koch,T., Henzler,D., Blauth,M., Hoffmann,R.

Ein neues Verfahren zur Bestimmung von Beinlängen und Beinlängendifferenzen mit Hilfe der Sonographie

Unfallchirurg 99 (1996)43 – 51

+Kreuzfeld,S.

Seibt,R., Kumar,M., Rieger,A., Stoll,R.

German version of the Cornell Musculoskeletal Discomfort Questionnaire (CMDQ): translation and validation

J Occup Med Toxicol 11 (2016)13

+Kriese,M.

Clijisen,R., Taeymans,J., Cabri,J.

Segmentale Stabilisation zur Behandlung von lumbalen Rückenschmerzen: Ein systematisches Review

Sportverl Sportschaden 24 (2010)17 - 25

+Krijnen,M.R.

Mensch,D., van Dieen,J.H., Wuisman,P.I., Smit,T.H.

Primary spinal segment stability with a stand alone cage: in vitro evaluation of a successful goat model

Acta Orthop 77 (2006)454 – 61

Krishtal,O.A.

Pidoplishko,V.I.

A „receptor“ for protons in small neurons of trigeminal ganglia: possible role in nociception

Neurosci Lett 24 (1981)243 – 6 (zit. Ohtori et al., 2006)

+Krismer,M.,

Haid,C., Rabl,W.

The contribution of the anulus fibers to torque resistance

Spine 21 (1996)2551 – 7

+Kristiansson,P.

Svardsudd,K., von Schoultz,B.

Back pain during pregnancy: a prospective study

Spine 21 (1996)702 – 9

+Kristjansdottir,G.

Prevalence of self-reported back pain in school children: a study of sociodemographic differences

- Eur J Pediatr 155 (1996)984 – 6
- +Kristjansdottir,G. Rhee,H.
Risk factors of back pain frequency in schoolchildren: a search for explanations to a public health problem
Acta Paediatr 91 (2002)849 – 54
- +Kristman,V.L. Hartvigsen,J., Leboeuf-Yde,C., Kyvik,K.O., Cassidy,J.D.
Does radiating spinal pain determine future work disability? A retrospective cohort study of 22.952 Danish twins
Spine 37 (2012)1003 - 13
- +Kristoffersen,P.M. Vetti,N., Grovle,L., Brox,J.I., Haugli Braten,L.C., Grotle,M., Haugen,A.J., Rolfsen,M.P. und weitere 9 Autoren
Amoxicillin did not reduce Modic change edema in patients with chronic low back pain
Spine 48 (2023)147 – 54
doi.org/10.1097/BRS.0000000000004513
- +Kritikos,P.G. Papadaki,S.P.
The history of poppy and of opium and their expansion in antiquity in the eastern mediterranean area
Bull Narcotics 19 (1967)17 - 38
- +Krivoy,N. Pavlovsky,E., Chrubasik,S., Eisenberg,E., Brook,G.
Effect of salix cortex extract on human platelet aggregation
Planta Med 67 (2001)209 – 12
- Krocker,B. Hüftgelenksassoziierte Sportverletzungen – funktionelle Dekompensationsmuster, funktionelle Pathogenese, Klinik und Therapie
Manuelle Med 45 (2007)107 - 12
- +Kroeber,M. Unglaub,F., Guehring,T., Nerlich,A., Hadi,T., Lotz,J., Carstens,C.
Effects of controlled dynamic disc distraction on degenerated intervertebral discs: an in vivo study on the rabbit lumbar spine model
Spine 30 (2005)181 – 7

- +Kroenke,K. Measuring and distilling the impact of pain
Pain 142 (2009)7 – 8
- +Kroenke,K. Spitzer,R.L., Williams,J.B.W., Löwe,B.
An ultra-brief screening scale for anxiety and depression: The PHQ-4
Psychosomatics 50 (2009)613 – 21 doi.org/10.1016/S0033-3182 (09)70864-3
- +Kroenke,K. Wu,J., Bair,M.J., Krebs,E.F., Damush,T.M., Tu,W.
Reciprocal relationship between pain and depression: a 12 month longitudinal epidemiological analysis in primary care
J Pain 12 (2011)964 - 75
- +Krogsgaard,M. Solomonow,M.
The sensory function of ligaments (editorial)
J Electromyogr Kinesiol 12 (2002)165
- +Kromer,P. Röcker,K., Sommer,A., Baur,H., Konstantinidis,L., Gollhofer,A., Südkamp,N.P., Hirschmüller,A.
Verletzungen und Überlastungsbeschwerden im paralympischen Radsport – eine Fragebogenerhebung bei Nationalkaderathleten
Sportverl Sportschad 25 (2011)167 - 72
- +Krotov,V. Agashkov,K., Krasniakova,M., Safronov,B.V., Belan,P., Voltenko,N.
Segmental and descending control of primary afferent input to the spinal lamina X
Pain 163 (2022)2014 – 20
doi.org/10.1097/j.pain.0000000000002597
- +Krotov,V. Tokhtamysh,A., Safronov,B.V., Belan,P., Voitenko,N.
High-threshold primary afferent supply of spinal lamina X neurons
Pain 160 (2019)1982 - 8
- +Kröner-Herwig,B. Akzeptanz und Selbsteffizienz – Konträre Konzepte?
Abstracts Deutscher Schmerzkongress 2008

- Schmerz 22 (2008)Suppl. 2: 104
- +Krug,K. Kraus,K.I., Herrmann,K., Joos,S.
Complementary and alternative medicine (CAM) as part of primary health care in Germany – comparison of patients consulting general practitioners and CAM practitioners: a cross-sectional study
BMC Complement Alternat Med 16 (2016)409
- +Kruger,L. Mantyh,P.W., Sternini,C., Brecha,N.C., Mantyh,C.R.
Calcitonin gene related peptide (CGRP) in the rat central nervous system: patterns of immunoreactivity and receptor binding sites
Brain Res 463 (1988)223 – 44
- +Krüger,R. Meißner,W., Zimmer,A.
Missbrauch von Opioidanalgetika. Eine Internetrecherche
Schmerz 28 (2014)473 - 83
- +Krummenacher,P. Candia,V., Folkers,G., Schedlowski, M., Schönbachler,G.
Prefrontal cortex modulates placebo analgesia
Pain 148 (2010)368 - 74
- +Krumova,E. Bennemann,P., Kindler,D., Schwarzer,A., Zenz,M., Maier,C.
Low pain intensity after opioid withdrawal as a first step of a comprehensive pain rehabilitation program predicts long-term nonuse of opioids in chronic noncancer pain
Clin J Pain 29 (2013)760 - 9
- Krusic,P.J. Wassermann,E., Keizer,P.N. et al.
Radical reactions of c60
Science 254 (1991)1183 – 5 (zit. Liu, 2013)
- +Kryptos,A.M. Crombez,G., Alves,M., Claes,N., Vlaeyen,J.W.S.
The exploration-exploitation dilemma in pain: an experimental investigation
Pain 163 (2022)e215 – 33
doi.org/10.1097/j.pain.0000000000002352
- +Kryptos,A.M. Crombez,G., Vlaeyen,J.W.S.

- The dynamics of pain avoidance: the exploration-exploitation dilemma
Pain 165 (2024)2145 – 9
doi.org/10.1097/j.pain.0000000000003222
- +Kuan,T.-S. Hong,C.Z., Chen,J.T., Chen,S.M., Cien,C.H.
The spinal cord connection of the myofascial trigger spots
Eur J Pain 11 (2007)624 - 634
- +Kuch,K. Psychological factors and the development of chronic pain
Clin J Pain 17 (2001)S 33 – 8
- Kuchera,M.L. –n- Applying osteopathic principles to formulate treatment for patients with chronic pain
J AOA 107 (2007)ES28 – ES38 (zit. Lipton et al., 2009)
- +Küchler,A. Sabatowski,R., Kaiser,U.
Veränderungsmotivation bei Patienten mit chronischer Schmerz Erkrankung nach einer multidisziplinären Behandlung. Die kurz- und langfristige Entwicklung
Schmerz 26 (2012)670 - 6
- +Kucyi,A. Salomons,T.V., Davis,K.D.
Cognitive behavioral training reverses the effect of pain exposure on brain network activity
Pain 157 (2016)1895 - 1904
- +Kudielka,B.M. Kirschbaum,C.
Awakening cortisol responses are influenced by health status and awakening time but not by menstrual cycle phase
Psychoneuroimmunology 28 (2003)35 – 47
- +Kudoh,A. Katagai,H., Takazawa,T.
Increased postoperative pain scores in chronic depression patients who take antidepressants
J Clin Anesth 14 (2002)421 – 5
- +Kuehl,L.K. Michaux,G.P., Richter,S., Schächinger,H., Anton,F.

- Increased basal mechanical pain sensitivity but decreased perceptual wind-up in a human model of relative hypocortisolism
- Pain 149 (2010)539 - 46
- Kügelgen,B. Symposium S28: Fehler in der Schmerztherapie; S 28.3: Rückenschmerzen;
- Abstracts Deutscher Schmerzkongress 2003
- Schmerz 17 (2003) Suppl.1: S34 - 5
- Kugler,K. Wijn,J., Geilen,M., de Jong,J., Vlayen,J.W.
- The Photograph Series of Dayli Activities (PHODA), CD – ROM version 1.0, Heerlen, The Netherlands: Institute for Rehabilitation Research and School of Physiotherapy, 1999
- +Kuhad,A. Sharma,S., Chopra,K.
- Lycopene attenuates thermal hyperalgesia in a diabetic mouse model of neuropathic pain
- Eur J Pain 12 (2008)624 - 32
- +Kuhnke,O. Heine,H.
- Fibromyalgie – ein Problem fehlgeleiteter Piezoelektrizität von Kollagen
- Zaenmagazin (2013)3: 4 - 8
- +Kuhnow,A. Kuhnow,J., Ham,D., Rosedale,R.
- The McKenzie method and its association with psychosocial outcomes in low back pain: a systematic review
- J Physioth Theor Pract (2020) online 7.1.2020
doi.org/10.1080/09593985.2019.1710881
- +Kuisma,M. Karppinen,J., Haapea,M., Niinimäki,J., Ojala,R., Heliövaara,M., Korpelainen,R., Kaikkonen,K., Taimela,S., Natri,A., Tervonen,O.
- Are the determinants of vertebral endplate changes and severe disc degeneration in the lumbar spine the same? A magnetic resonance imaging study in middle-aged male workers
- BMC Musculoskeletal Disord 9 (2008)51: 1 - 9

- +Kuisma,M. Karpainen,J., Niinimäki,J., Kurunlahti,M., Haapea,M., Vanharanta,H., Tervonen,O.
- A three-year follow-up of lumbar spine endplate (modic) changes
- Spine 31 (2006)1714 – 8
- +Kuisma,M. Karpainen,J., Niinimäki,J., Ojala,R., Haapea,M., Heliövaara,M., KorpelainenR., Taimela,S., Natri,A., Tervonen,O.
- Modic changes in endplates of lumbar vertebral bodies: prevalence and association with low back pain and sciatica among middle aged workers
- Spine 32 (2007)1116 – 22
- +Kujala,U.M. Salminen,J.J., Taimela,S., Oksanen,A., Jaakkola,L.
- Subject characteristics and low back pain in young athletes and nonathletes
- Med Sci Sports Exerc 24 (1992)627 – 32
- +Kujala,U.M. Taimela,S., Viljanen,T.
- Leisure physical activity and various pain symptoms among adolescents
- Br J Sports Med 33 (1999)325 – 8
- Kujala,U.M. Taimela,S., Viljanen,T., Jutila,H., Viitasalo,J.T., Videman,T., Battie,M.C.
- Physical loading and performance as predictors of back pain in healthy adults. A 5 – year prospective study
- Eur J Appl Physiol 73 (1996)452 – 8 (zit. Mortimer et al., 2006)
- +Kujala,U.M. Taimela,S., Erkintalo,M., Salminen,J.J., Kaprio,J.
- Low-back pain in adolescent athletes
- Med Sci Sports Exerc 28 (1996)165 – 70
- +Kujala,U.M: Taimela,S., Oksanen,A., Salminen,J.J.
- Lumbar mobility and low back pain during adolescence: a longitudinal three-year follow-up study in athletes and controls
- Am J Sports Med 25 (1997)363 – 8

- +Kullich,W. Schwann,H., Walcher,J., Machreich,K.
The effect of MBST-Nuclear Resonance Therapy with a complex 3-dimensional electromagnetic nuclear resonance field on patients with low back pain
J Back Musculoskelet Rehabil 19 (2006)79 – 87
- Külling,F.A. Florianz,H., Reepschläger,B., Gasser,J., Jost,B., Lajtal,G.
High prevalence of disc degeneration and spondylolysis in the lumbar spine of volleyball players
Orthop J Sports Med (2014) doi: 10.1177/2325967114528862 (zit. Pieber, 2018)
- +Kumar,K. Malik,S., Demeria,D.
Treatment of chronic pain with spinal cord stimulation versus alternative therapies: cost-effectiveness analysis
Neurosurgery 51 (2002)106 – 16
- +Kumar,K. Rizvi,S., Bishop,S.
Cost effectiveness of intrathecal drug therapy in management of chronic nonmalignant pain
Clin J Pain 29 (2013)138 - 45
- +Kumar,K. Taylor,R.S., Jacques,L., Eldabe,S., Meglio,M., Molet,J., Thomson,S., O’Callaghan,J. und weitere 6 Autoren
Spinal cord stimulation versus conventional medical management for neuropathic pain: A multicenter randomized controlled trial in patients with failed back surgery syndrome
Pain 132 (2007)179 - 88
- +Kumar,M.N. Baklanov,A., Chopin,D.
Correlation between sagittal plane changes and adjacent segment degeneration following lumbar spine fusion
Eur Spine J 10 (2001)314 – 9
- +Kumar,N. Laferriere,A., Yu,J.S., Leavitt,A., Coderre,T.C.
Evidence that pregabalin reduces neuropathic pain by inhibiting the spinal release of glutamate
J Neurochem 113 (2010)552 – 61

- +Kumar,N. Madhu,S., Pandita,N., Ramos,M.R.D., Tan,B.W.L., Lopez,K.G., Ramakrishnan,S.A., Jonathan,P., Nolan,C.P., Kumar,D.S.
- Is there a place for surgical repair in adults with spondylolysis or grade-I spondylolisthesis – a systematic review and treatment algorithm
- Spine J 21 (2021)1268 – 85
doi.org/10.1016/j.spinee.2021.03.11
- Kumar,R. Berger,R.J., Dunsker,S.B., Keller,J.T.
- Innervation of the spinal dura: myth or reality?
- Spine 21 (1996)18 – 26 (zit. Sizer et al., 2002)
- +Kumar,S. Dufresne,R., van Schoor,T.
- Human trunk strength profile in flexion and extension
- Spine 20 (1995)160 – 8
- +Kumar,S. Narayan,Y., Zedka,M.
- An electromyographic study of unresisted trunk rotation with normal velocity among healthy subjects
- Spine 21 (1996a)1500 – 12
- Kummer,B. Welchen Beitrag leisten die Wirbelgelenke zur Tragfunktion der Wirbelsäule?
- In: Hackenbroch,M.H., Refior,H.J., Jäger,M. (Hrsg.): Biomechanik der Wirbelsäule. Thieme, Stuttgart, New York, 1983 (zit. Putz, 2005)
- +Kuni,B. Schiltenswolf,M.
- Multimodale Rückenschmerztherapie – der trainingswissenschaftliche Aspekt
- Dt Z Sportmed 60 (2009)50 – 4
- +Kunkler,P.E. Ballard,C.J., Oxford,G.S., Hurley,J.H.
- TRPA1 receptors mediate environmental irritant-induced meningeal vasodilation
- Pain 152 (2011)38 - 44
- +Künzel,K.H. Hörmann,R.
- Funktionelle Anatomie der Lenden-Becken-Hüft-Region

- Manuelle Med 56 (2018)4 - 10
- +Kuo,C.C. Huang,R.C., Luo,B.S.
- Inhibition of Na⁺ current by diphenhydramine and other diphenyl compounds: molecular determinants of selective binding to the inactivated channels
- Mol Pharmacol 57 (2000)135 - 43
- +Kuo,C.K. Hanioka,N., Hoshikawa,Y., Oguri,K., Yoshimura,H.
- Species difference of site-selective glucuronidation of morphine
- J Pharmacodyn 14 (1991)187 – 93
- +Kuo,Y.L. Tully,E.A., Galea,M.P.
- Sagittal spinal posture after pilates-based exercise in healthy older adults
- Spine 34 (2009)1046 - 51
- +Kupari,J. Ernfors,P.
- Molecular taxonomy of nociceptors and pruricetors
- Pain 164 (2023)1245 – 57
doi.org/10.1097/j.pain.0000000000002831
- +Kurakawa,T. Kakutani,K., Morita,Y., Kato,Y., Yurube,T., Hirata,H., Miyazaki,S., Terashima,Y. und 7 weitere Autoren
- Functional impact of integrin alpha-5-beta-1 on the homeostasis of intervertebral discs: a study of mechanotransduction pathways
- using a novel dynamic loading organ culture system
- Spine J 15 (2015)417 - 26
- +Kurek,J.B. Austin,L., Cheema,S.S., Bartlett,P.F., Murphy,M.
- Upregulation of leukaemia inhibitory factor and interleukin-6 in transected sciatic nerve and muscle following denervation
- Neuromuskular Disord 6 (1996)105 – 14
- +Kurita,G.P. Sjogren,P., Juel,K., Hojsted,J., Ekholm,O.
- The burden of chronic pain: A cross-sectional survey focussing on diseases, immigration, and opioid use

- Pain 153 (2012)2332 - 8
- +Kurunlahti,M. Tervonen,O., Vanharanta,H., Ilkko,E., Suramo,I.
Association of atherosclerosis with low back pain and the degree of disc degeneration
Spine 24 (1999)2080 – 4
- (-)Kurt,V. Aras,O., Buker,N.
Comparison of conservative treatment with and without neural mobilisation for patients with low back pain: A prospective, randomized clinical trial
J Back Musculoskel Rehab (2020) prepress 28.02.2020, doi/10.3233/BMR-181241
- +Kurutas,E.B. Senoglu,M., Yuksel,K.Z., Unsal,V., Altun,I.
Oxidative/nitrosative stress in patients with Modic changes. Preliminary controlled study
Spine 40 (2015)1101 - 7
- +Kus,L. Sanderson,J.J., Beitz,A.J.
N-methyl-D-aspartate R1 messenger RNA and [125 – I]MK-801 binding decrease in rat spinal cord after unilateral hind paw inflammation
Neurosci 68 (1995)159 – 65
- +Kuslich,S.D Ulstrom,C., Michael,C.
The tissue origin of low back pain and sciatica: a report of pain response to tissue stimulation during operations on the lumbar spine using local anaesthesia.
Orthop Clin North Am 22 (1991)181 – 7
- Kütemeyer,M. Schultz-Venrath,U.
Lumbo – Ischialgie – Syndrome.
In: Adler,R.H., Herrmann,J.M., Köhle,K. et al., eds. Uexkuell – Psychosomatische Medizin, 5. Auflage, Urban & Schwarzenberg, München, 881 – 194 (so zit. Ots, 2006)
- +Kuukkanen,T.M. Malkia,E.A.
An experimental controlled study on postural sway and therapeutic exercise in subjects with low back pain

- Clin Rehabil 14 (2000)192 – 202
- KV Kassenärztliche Bundesvereinigung.
<http://www.kbv.de/themen/aquik.html> (2010)
- +Kvalheim,S. Sandven,I., Hagen,K., Zwart,J.A.
 Smoking as a risk factor for chronic musculoskeletal complaints is influenced by age. The HUNT Study
 Pain 154 (2013)1073 - 9
- +Kvarstein,G. A new target for radiofrequency neurotomy? Commentary
 Pain 152 (2011)465 - 6
- +Kvarstein,G. Mawe,L., Indahl,A., Hol,P.K., Tennoe,B., Digernes,R.,
 Stubhaug,A., Tonnesen,T.I., Beivik,H.
 A randomized double-blind controlled trial of intra-annular radiofrequency thermal disc therapy – a 12 month follo up
 Pain 145 (2009)279 - 86
- +Kwon,B. Tromanhauser,S.G., Banco,R.J.
 The spine service line: optimizing patient-centered spinal care
 Spine 32 (2007)Suppl zu Nr.11: S44 - 8
- +Kwon,Y.J. Lee,J.W., Moon,E.J., Chung,Y.G., Kim,O.S., Kim,H.J.
 Anabolic effects of Peniel 2000, a peptide that regulates TGF-beta1 signaling on intervertebral disc degeneration
 Spine 38 (2013)E49 - 58
- +Kwong,W.J. Hammond,G., Upmalis,D., Okamoto,A., Yang,M., Kavanagh,S.
 Bowel function after tapentadol and oxycodone immediate release (IR) treatment in patients with low back or osteoarthritis pain
 Clin J Pain 29 (2013)664 - 72
- (-)Laake, et al.
 Phys Ther 95 (2015)1224 – 33 (Sportverl Sportschaden 2016;30:69)
- Laasonen,E.M. Atrophy of sacrospinal muscle groups in patients with chronic, diffusely radiating lumbar back pain
 Neuroradiol 26 (1984)9 – 13

- Labelle,H. Mac-Thiong,J.M., Roussouly,P.
Spino-pelvic sagittal balance of spondylolisthesis: a review and classification
Eur Spine J 20 (2011)Suppl. 5: 641 – 6
doi.org/10.1007/s00586-011-1932-1
- LaBuda,C.J. Koblish,M., Tuthill,P., Dolle,R.E., Little,P.J.
Antinociceptive activity of the selective iNOS inhibitor AR – C102222 in rodent models of inflammatory, neuropathic and postoperative pain
Eur J Pain 10 (2006)505 – 12
- +Labus,J.S. Keefe,F.J., Jensen,M.P.
Self-reports of pain intensity and direct observations of pain behaviour: when are they correlated?
Pain 102 (2003)109 – 24
- +LaCaille,R.A. DeBerard,M.S., LaCaille,L.J., Masters,K.S., Colledge,A.L.
Obesity and litigation predict workers compensation costs associated with interbody cage lumbar fusion
Spine J 7 (2007)266 – 72
- +Lacey,P.H. Dodd,G.D., Shannon,D.J.
A double-blind placebo controlled study of piroxicam in the management of acute musculoskeletal disorders
Eur J Rheum Inflam 7 (1984) 95 – 104
- +LaCroix-Fralish,M.L. Tawfik,V.L., Nutile-McMenemy,N., DeLeo,J.A.
Progesterone mediates gonadal hormone differences in tactile and thermal hypersensitivity following L5 nerve root ligation in female rats
Neurosci 138 (2006a)601 – 8
- +LaCroix-Fralish,M.L. Tawfik,V.L., Spratt,K.F., DeLeo,J.A.
Sex differences in lumbar spinal cord gene expression following experimental lumbar radiculopathy
J Mol Neurosci 30 (2006b)283 – 96
- LaCroix-Fralish,M.L. Tawfik,V.L., Nutile-McNememy,N., DeLeo,J.A.

- Neuregulin 1 is a pronociceptive cytokine that is regulated by progesterone in the spinal cord: Implications for sex specific pain modulation
Eur J Pain 12 (2008)94 – 103
- +Laekemann,M. Leonhardt,C.
Einstellungen und Überzeugungen von Behandlern bei älteren Patienten mit Rückenschmerzen. Eine Analyse der Erhebungsinstrumente und Forschungslücken
Schmerz 29 (2015)362 - 70
- +Laerum,E. Storheim,K., Brox,J.I.
Nye kliniske retningslinjer for korsryggssmerter (New clinical guidelines for low back pain)
Tidskr Nor Laegeforen 127 (2007)2706
- +Lafage,V. Obeid,I., Lafage,R., Liabaud,B., Varghese,J., Bao,H., Elysee,J., Day,L.M., und weitere 7 Autoren
An updated analysis of gravity line with pelvic and lower limb compensation: Now where do we stand?
Proceeings of the 31st annual meeting of the North America Spine Society, Boston,MA, October 26 – 29, 2016
Spine J 16 (2016)S137 - 8
- +Lafage,V. Schwab,F., Skalli,W., Hawkinson,N., Gagey,P.M., Ondra,S., Farcy,J.P.
Standing balance and sagittal plane spinal deformity : analysis of spinopelvic and gravity line parameters
Spine 33 (2008)1572 – 8
- +Laflamme,N. Rivest,S.
Effects of systemic immunogenic insults and circulating proinflammatory cytokines on the transcription of the inhibitory factor kappa B alpha within specific cellular populations of the rat brain
J Neurochem 73 (1999)309 – 21
- Lafuma,A. Fagnani,F., Vautravers,P.
Management and costs of care for low back pain in primary care settings in France

- Rev Rhum Engl Ed 65 (1998)119 – 25 (zit. Göbel, 2001)
- +Lagos-Rodriguez,V. Martinez-Palma,L., Marton,S., Miquel,E., Escobar-Pintos,R., Cassina,A., Lago,N., Cassina,P.
- Mitochondrial bioenergetics, glial reactivity, and pain-related behavior can be restored by dichloroacetate treatment in rodent pain models
- Pain 161 (2020)2786 – 97
doi.org/10.1097/j.pain/0000000000001992
- +Lahad,A Malter,A.D., Berg,A.O., Deyo,R.A.
- The effectiveness of four interventions for the prevention of low back pain
- J Am Med Assoc 272 (1994)1286 – 91
- +Lai,A. Chow,D.H.K., Siu,S.W., Leung,S.S., Lau,E.F.L., Tang,F.H., Pope,M.H.
- Effects of static compression with different loading magnitudes and duration on the intervertebral disc. An in vivo rat-tail study
- Spine 33 (2008)2721 – 7
- +Lai,A. Moon,A., Purmessur,D., Skovrlj,B., Laudier,D.M., Winkelstein,B.A., Cho,S.K., Hecht,A.C., Iatridis,J.C.
- Annular puncture with tumor factor-alpha injections enhances painful behavior with disc degeneration in vivo
- Spine J 16 (2016)420 - 31
- +Lai,J. Porreca,F., Hunter,J.C., Gold,M.S.
- Voltage-gated sodium channels and hyperalgesia
- Ann Rev Pharmacol Toxicol 44 (2004)371 – 97
- +Laidlaw,T.M. Boyce,J.A.
- .
- Aspirin exacerbated respiratory disease – new prime suspects
- N Engl Med J 374 (2016)484 - 8
- +Laine,L. Gastrointestinal effects of NSAIDs and coxibs
- J Pain Symptom Manage 25 (2003)Suppl 2:S32 – 40

- +Laine,L. et al. Systematic review: The lower gastrointestinal adverse effect of non-steroidal anti-inflammatory drugs
Aliment Pharmacol Ther 24 (2006)751 – 67 (zit. MMW-Fortschr Med 149 (2007)43: 24
- +Laird,J.M. Bennett,G.J.
Dorsal root potentials and afferent input to the spinal cord in rats with an experimental peripheral neuropathy
Brain Res 584 (1992)181 – 90
- +Lakke,S.E. Soer,R., Takken,T., Reneman,M.F.
Risk and prognostic factors for non-specific musculoskeletal pain: A synthesis of evidence from systematic reviews classified into ICF dimensions
Pain 147 (2009)153 - 64
- +Lakshmanan,P. Ahuja,S., Lyons,K., Howes,J., Davies,P.R.
Sequestered lumbar intervertebral disc in the posterior epidural space: a report on two cases and review of the literature
Spine J 6 (2006)583 - 6
- +Lalovic,B. Kharasch,E., Hoffer,C., Risler,L., Liu-Chen,L.Y., Shen,D.D.
Pharmacokinetics and pharmacodynamics of oral oxycodone in healthy human subjects: role of circulating active metabolites
Clin Pharmacol Ther 79 (2006)461 – 79
- +Lam,K.S. Carlin,D., Mulholland,R.C.
Lumbar disc high-intensity zone: the value and significance of provocative discography in the determination of the discogenic pain source
Eur Spine J 9 (2000)36 – 41
- +Lam,M. Galvin,R., Curry,P.
Effectiveness of acupuncture for nonspecific chronic low back pain. A systematic review and metanalysis
Spine 28 (2013)2124 - 38

- (+)Lam,O.T. Strenger,D.M., Chan-Fee-M., Pham,P.T., Preuss,R.A., Robbins,S.M.
- Effectiveness of the McKenzie method (Mechanical Diagnosis and Therapy) for treating low back pain: Literature review with meta-analysis
- J Orthop Sports Phys Ther (2018)
doi:10.2519/jospt.2018.7562 (nur Abstrakt)
- +Lam,S.S. Jull,G., Treleaven,J.
- Lumbar spine kinaesthesia in patients with low back pain
- J Orthop Sports Ther 29 (1999)294 – 9
- +Lama,P. Zehra,U., Balkovec,C., Claireaux,H.A., Flower,L., Harding,J.J., Dolan,P., Adams,M.A.
- Significance of cartilage endplate within herniated disc tissue
- Eur Spine J 23 (2014)1869 - 77
- +Lamb,S.E. Hansen,Z., Castelnova,E., Withers,E., Nichols,V., Potter,R., Underwood,M.R.
- Kognitive Gruppen-Verhaltenstherapie in der primären Gesundheitsversorgung bei LWS-Syndrom: eine randomisierte, kontrollierte Studie und Analyse der Kostenwirksamkeit
- Osteopath Med 11 (2010)2: 24 – 6
- +Lamb,S.E. Hansen,Z., Lall,R., Castelnova,E., Withers,E.J., Nichols,V., Potter,R., Underwood,M.R.,
- Group cognitive behavioural treatment for low back pain in primary care: a randomized controlled trial and cost-effectiveness analysis
- Lancet 325 (2010a)916 – 23
- +Lamb,S.E. Lall,R., Hansen,Z., Withers,E.J., Griffiths,F.E., Szczepura,A., Barlow,J., Underwood,M.R.,
- Back Skills Training Trial (BeST) Team. Design consideration in a clinical trial of a cognitive behavioural intervention for the management of low back pain in primary care: Back Skills Training Trial
- BMC Musculoskel Disord 8 (2007)14

- +Lambeek,I.C. Bosmans,J.F., van Royen,B.J., van Tulder,M.W., van Mechelen,W., Anema,J.R.
- Effect of integrated care for sick listed persons with chronic low back pain: economic evaluation alongside a randomized controlled trial
- Br Med J 341 (2010)414
- +Lambeek,J.C. van Mechelen,C., Knol,D.E., Loisel,P., Anema,J.R.
- Randomized controlled trial of integrated care to reduce disability from chronic low back pain in working and privat life
- Br Med J 340 (2010a)1035
- +Lambertz,D. Hoheisel,U., Mense,S.
- Influence of a chronic myositis on rat spinal field potentials evoked by TTX-resistant unmyelinated skin and muscle afferents
- Eur J Pain 12 (2008)686 – 95
- +Lamerato,L.E. Dryer,R.D., Wolff,G.G., Hegeman-Dingle,R., Mardekian,J., Park,P.W., Zlateva,G.
- Prevalence of chronic pain in a large integrated healthcare delivery system in the U.S.A.
- Pain Pract 16 (2016)890 - 8
- +Lamoth,C.J. Meijer,O.G., Daffertshofer,A., Wuisman,P.I.J.M., Beek,P.J.
- Effects of chronic low back pain on trunk coordination and back muscle pain during walking: changes in motoric control
- Eur Spine J 15 (2006)23 – 40
- +Lampe,J. Ohlendorf,D., Groneberg,D.A., Borgetto,B.M., Wanke,E.M.
- Muskuloskelettale Schmerzen im Tanz: Prävalenz, Lokalisationen und zeitlicher Verlauf bei Tänzern mit Amateurstatus und ihren hauptberuflich tätigen Lehrerinnen
- Sportverl Sportschad 33 (2019)203 - 11
- +Lampl,C. Likar,R.
- Metamizol: Wirkmechanismen, Interaktionen und Agranulozytoserisiko

- Schmerz 28 (2014)584 - 80
- +Landau,R. Kern,C., Columb,M.O., Smiley,R.M., Blouin,J.L.
- Genetic variability of the mu-opioid receptor influences intrathecal fentanyl analgesia requirements in labouring women
- Pain 139 (2008)5 - 14
- +Lander,J.E. Hundley,J.R., Simonton,R.L.
- The effectiveness of weight-belts during multiple repetitions of the squat exercise
- Med Sci Sports Exerc 24 (1992)603 – 9
- +Landman,Z. Oswald,T., Sanders,J., Diab,M.,
- Prevalence and predictors of pain in surgical treatment of adolescent idiopathic scoliosis
- Spine 36 (2011)825 – 9
- +Landmark,T. Romundstad,P., Borchgrevink,P.C., Kaasa,S., Dale,O.
- Associations between recreational exercise and chronic pain in the general population : Evidence from the HUNT 3 study
- Pain 152 (2011)2241 – 7
doi.org/10.1016/j.pain.2011.04.029
- +Landry,M.D. Raman,S.R., Sulway,C., Golightly,Y.M., Hamdan,E.
- Prevalence and risk factors associated with low back pain among health care providers in a Kuwait hospital
- Spine 33 (2008)539 - 45
- +Lane,N.E. Michel,B., Bjorkengren,A., Oehlert,J., Shi,H., Bloch,D.A., Fries,J.F.
- The risk of osteoarthritis with running and aging: a 5-year longitudinal study
- J Rheumatol 20 (1993a)461 - 8
- +Lane,N.E. Nevitt,M.C., Genant,H.K., Hochberg,M.C.
- Reliability of new indices of radiographic osteoarthritis of the hand and hip and lumbar disc degeneration
- J Rheumatol 20 (1993)1911 – 8

+Lang,E.	Kastner,S., Liebig,K., Neundörfer,B. Verbesserung der ambulanten Versorgung von Patienten mit chronischen Rückenschmerzen – Wie effektiv sind Therapieempfehlungen an Vertragsärzte oder die Realisierung eines multimodalen Therapieprogramms durch Kooperation ambulanter Behandlungsstrukturen? Schmerz 16 (2002)22 - 36
+Lang,M.	Moen,M.H., van Roy,T., Verhagen,E. Injuries and illness in elite equestrian athletes: a two-season prospective study Dtsch Z Sportmed 72 (2021)181 – 8 doi.org/10.5960/dzsm.2021.481
+Lang,P.J.	The emotion probe. Studies of motivation and attention Am Psychol 50 (1995)372 – 85
+Lang,S.	Klein,T., Magerl,W., Treede,R.-D. Modality-specific sensory changes in humans after the induction of long-term potentiation (LTP) in cutaneous nociceptive pathways Pain 128 (2007)254 - 63
+Langevin,H.M.	Connective tissue: A body-wide signalling network? Med Hypoth 66 (2006)1074 – 7
+Langevin,H.M.	Churchill,D.L., Cipolla,M.J. Mechanical signaling through connective tissue: a mechanism for the therapeutic effect of acupuncture FASEB J 15 (2001)2275 – 82
+Langevin,H.M.	Churchill,D.L., Fox,J.R., Badger,G.J., Garra,B.S., Krag,M.H. Biomechanical responses to acupuncture needling in human J Appl Physiol 91 (2001)2471 – 8
+Langevin,H.M.	Churchill,D.J., Wu,J., Badger,G.J., Yandow,J.A., Fox,J.R., Krag,M.H. Evidence of connective tissue involvement in acupuncture FASEB J 16 (2002)872 – 4

- +Langevin,H.M. Fox,J.R., Koptiuch,C., Badger,G.J., Greenan-Naumann,A.C., Bouffard,N.A., Konofagou,E.E., Lee,W.N., Triano,J.J., Henry,S.M.
- Reduced thoracolumbar fascia shear strain in human chronic low back pain
- BMC Musculoskelet Disord 12 (2011)203
doi.org/10.1186/1471-2474-12-203
- +Langridge,L.C. Philips,D.
- Group hydrotherapy exercises for chronic back pain sufferers – introduction and monitoring
- Physiotherapy 74 (1988)269 – 72 (zit. Woi et al., 2008)
- Langworthy,J. Breen,A
- Auditing the management of low back pain in primary care: too late to preserve the momentum?
- Proceedings of the 32nd Annual Scientific Meeting of the Society for Academic Primary Care, Manchester, July 2003 (zit. Pincus et al., 2006)
- +Lankhorst,G.I. van der Stadt, R.J., Vogelaar,T.W., van der Korst,J.K., Prevo,A.J.H
- The effect of the Swedish back school in chronic idiopathic low-back pain
- Scand J Rehabil Med 15 (1983)141 – 5
- +Lannersten,L. Kosek,E.
- Dysfunction of endogenous pain inhibition during exercise with painful muscles in patients with shoulder myalgia and fibromyalgia
- Pain 151 (2010)77 - 86
- Lantz,C.A. The vertebral subluxation complex
- In: Gatterman,M.I., ed., Foundations of Chiropractic: Subluxation. St. Louis,M.O., Mosby, 1995: 149 – 74 (zit. Cleland et al., 2009)
- +Lao,L. Daubs,M.D., Scott,T.P., Lord,E.L., Cohen,J.R., Yin,R., Zhong,G., Wang,J.C.

- Effect of disc degeneration on lumbar segmental mobility analyzed by kinetic magnetic resonance imaging
- Spine 40 (2015)316 – 22
- Laouissat,F. Sebaaly,A., Gehrchen,M., Roussouly,P.
- Classification of normal sagital spinal alignment: refounding the Roussouly classification
- Eur Spine J 27 (2018)2002 – 11
doi.org/10.1007/s00586-017-5111-x
- +Lapirot,O. Chebbi,R., Monconduit,L., Artola,A., Dallel,R., Luccarini,P.
- NK1 receptor-expressing spinoparabrachial neurons trigger diffuse noxious inhibitory controls through lateral parabrachial activation in the male rat
- Pain 142 (2009)245 - 54
- Laplante,B.I. de Palma,M.J.
- Spine osteoarthritis
- Phys Med Rehabil 4 (2012)5 Suppl. S28 - 36
- +Lapossy,E. Maleitzke,R., Hrycaj,P., Mennet,W., Müller,W.
- The frequency of transition of chronic low back pain to fibromyalgia
- Scand J Rheumatol 24 (1995)29 – 33
- +Lariviere,C. Bilodeau,M., Forget,R., Vadeboncoeur,R., Mecheri,H.
- Poor back muscle endurance is related to pain catastrophizing in patients with chronic low back pain
- Spine 35 (2010)E1178 - 86
- +Lariviere,C. Butler,H., Sullivan,M.J.L., Fung,J.
- An exploratory study on the effect of pain interference and attentional interference on neuromuscular responses during rapid arm flexion movements
- Clin J Pain 29 (2013)265 - 75
- +Lariviere,C. Gagnon,D., Loisel,P.

- The comparison of trunk muscles EMG activation between subjects with and without chronic LBP during flexion-extension and lateral bending tasks
- J Electromyogr Kinesiol 10 (2000)79 – 91
- +Lariviere,C. Gagnon,D., Arsenault,A.B., Gravel,D., Loisel,P.
- Electromyographic activity imbalances between contralateral back muscles: an assessment of measurement properties
- J Rehabil Res Devel 2 (2005)235 – 50
- (+)Lariviere,C. Shahvarpour,A., Gravel,C., Gauvin,M., Jean,A.M., Viau,A., Mecheri,H.
- Revisiting the effect of manipulating lumbar stability with load magnitudes and postions : the effect of sex on trunk muscle activation
- J Electromyogr Kinesiol (2019) online 5.3.2019, doi.org/10.1016/j.jelekin.2019.03.001
- +Laroche,M. Delisle,M.B., Mazieres,B., Rascol,A., Cantagrel,A., Arlet,P., Arlet,J.
- Myopathie tardive localise aux muscles spinaux: une cause de cyphose lombaire acquise de l’adulte
- Rev Rhum 58 (1991)829 – 39
- +LaRowe,L.R. Ditre,J.W.
- Pain, nicotine, and tobacco smoking: current state of the science
- Pain 161 (2020)1688 - 93
- +Larsen,K. Weidick,F., Leboeuf-Yde,C.
- Can passive prone extensions of the back prevent back problems? A randomized, controlled intervention trial of 314 military conscripts
- Spine 27 (2002)2747 – 52
- +Larsen,M. Wei,C., Yamada,K.M.
- Cell and fibronectin dynamics during branching morphogenesis
- J Cell Sci 119 (2006)3376 – 84

- +Larson,A.M. Polson,J., Fontana,R.J., Davern,T.J., Lalani,E., Hynan,L.S. und weitere 5 Autoren
Acetaminophen-induced acute liver failure: results of a US multicenter, prospective study
Hepatology 42 (2005)1364 – 72
- +Larsson,B. Rosendal,L., Kristiansen,J., Sjogaard,G., Sjogaard,K., Ghafouri,B., Abdiu,A., Kjaer,M., Gerdle,B.
Responses of algescic and metabolic substances to 8 h of repetitive manual work in myalgic human trapezius muscle
Pain 140 (2008)479 - 90
- +Larsson,K. Runesson,E., Junevik,K., Rydevik,B., Brisby,H.
Effects of intervertebral disc cells on neurite outgrowth from doersal root ganglion explants in culture
Spine 36 (2011)600 - 6
- +Larsson,K. Rydevik,B., Olmarker,K.
Disc related cytokines inhibited axonal outgrowth from dorsal root ganglion cells in vitro
Spine 30 (2005)621 – 4
- Larsson,L.G. et al. Benefits and liabilities of hypermobility in the back pain disorders of industrial workers
J Intern Med 238 (1995)461 – 7 (zit. Müller et al., 2002)
- +Larsson,L.I. Fahrenkrug,J., Schaffalitzky de Muckadell,O., Sundler,F., Häkanson,R., Rehfeld,J.F.
Localisation of vasoactive intestinal polypeptide (VIP) to central and peripheral neurons
Proc Natl Acad Sci USA 73 (1973)3197 – 200
- La Ruiz,P. Medicion de la calidad asistencial
Rev Clin Esp 201 (2001)561 – 2 (zit. Cid et al., 2015)
- Lascurain-Aguirrebena,I. Newham,D.I., Critchley,D.J.
Mechanism of action of spinal mobilisation: a systematic review
Spine 41 (2016)159 – 172 (zit. Beyer et al., 2022)

Lasegue,C.	Considerations sur la sciatique Arch Gen Med (Paris) 2 (1864)558 – 60 (zit. Gilbert et al., 2007a)
Laser,,T.	Lumbale Bandscheibenleiden 2. Aufl., Zuckschwerdt, München, 1988, S.24 – 5 (zit. Rohde, 2011)
Lashner,A.	What does it mean that addiction is a brain disease? Monitor Psychol 32 (2001)19 (zit. Hojsted & Sjogren, 2007)
+Lasko,L.	Huang,X., Voorbach,M.J., Levis,L.G.R., Stavropoulos,J., Carriker,J., Seifert,T.R., Baker,S.J., Upadhyay,J. Multimodal assessment of nervous and immun system responses following sciatic nerve injury Pain 154 (2013)2782 - 93
+Laslett,M.	Evidence-based diagnosis and treatment of the painful sacroiliac joint J Man Manip Ther 16 (2008)142 – 52
+Laslett,M.	Aprill,C.N., McDonald,B., Young,S.B. Diagnosis of sacroiliac joint pain: validity of individual provocation tests and composites of tests Man Ther 10 (2005)207 - 18
Laslett,M.	McDonald,B., Aprill,C.N., Tropp,H., Öberg,B. Clinical predictors of screening lumbar zygoapophyseal joint blocks: development of clinical prediction rules Spine J 6 (2006)370 - 9
+Laslett,M.	Öberg,B., Aprill,C.N., McDonald,B. Centralisation as an predictor of provocation discography results in chronic low back pain, and the influence of disability and distress on diagnostic power Spine J 5 (2005)370 – 80
-Laslett,M. (-n-)	Wijmen,P. Low back and referred pain: diagnosis and a proposed new system of calssification

- NZ J Physiother 27 (1999)5 – 14 (zit Fairbank et al., 2011)
- +Laslett,M. Williams,M.
- The reliability of selected pain provocation tests for sacroiliac joint stability
- Spine 19 (1994)1243 – 9
- Laslett,M. Young,S.B., Aprill,C.N., McDonald,B.
- Diagnosing painful sacroiliac joints: a validity study of a McKenzie evaluation and sacroiliac provocation tests
- Aust J Physiother 49 (2003)89 – 97 (zit. Palsson & Graven-Nielsen, 2012)
- Last,R.J. Anatomy, Regional and Applied
- 6th ed., Edinburgh, Churchill Livingstone, 1978 (zit. Hansen et al., 2006)
- Last,R.J. A dictionary of epidemiology
- 4th ed., Oxford: International Epidemiological Association, 2001 (zit. Smith et al., 2007)
- +Lassen,J. Gierthmühlen,J., Baron,R.
- Rückenschmerz. Neuropathisch, nozizeptiv oder beides?
- Nervenheilkd 40 (2021)132 – 9 doi.org/10.1055/a-1298-0294
- +Laszik,Z. Jansen,P.J., Cummings,R.D., Tedder,T.F., McEver,R.P., Moore,K.L:
- P-selectin glycoprotein ligand -1 is broadly expressed in cells of myeloid, lymphoid, and dendritic lineage and in some nonhemapoetic cells
- Blood 88 (1996)3010-21
- +Latimer,J. Lee,R., Adams,R.D.
- The effects of high and low loading forces on measured values of lumbar stiffness
- J Manipulat Physiol Ther 31 (1998)157 – 63
- +Latimer,J. Lee,R., Adams,R.D., Moran,C.M.

- An investigation of the relationship between low back pain and lumbar posteroanterior stiffness
J Manipulat Physiol Ther 19 (1996)587 – 91
- Latorre,R. Diaz-Franulic,I.
Profile of David Julius and Ardeem Patapoutian: 2021 Nobel laureates in physiology or medicine
Proc Natl Acad Sci U S A 119 (2022)e2121015119
doi.org/10.1073/pnas.2121015119 (zit. Meßlinger, 2025)
- +Latremoliere,A. Woolf,C.J.
Central sensitization: a generator of pain hypersensitivity by central neural plasticity
J Pain 10 (2009)895 – 926
- +Lattanzio,P.J. Petrella,R.J., Sproule,J.R.,Fowler,P.J.
Effects of fatigue on knee proprioception
Clin J Sports Med 7 (1997)22 – 7
- +Lattig,F. Fekete,T.F., Grob,D., Kleinstück,F.S., Jeszenszky,D., Mannion,A.F.,
Lumbar facet joint effusion in MRI: a sign of instability in degenerative spondylolisthesis?
Eur Spine J 21 (2012)276 - 81
- +Latza,U. Kohlmann,T., Deck,R., Raspe,H.
Influence of occupational factors on the relation between socioeconomic status and self-reported back pain in a population-based sample of German adults with back pain
Spine 25 (2000)1390 – 7
- Läubli,Th. Sträheli Hamurkaroglu,R., Olivieri,M., Werner,V., Haltinger,S., Märchy,I., Herriots,P., Grob,D.
Beruf, Rückenbelastung am Arbeitsplatz, klinische befunde und Motorik bei Spitalangestellten mit neueren und langjährigen Kreuzschmerzen
In: Keel,P., Perini,C., Schütz-Petitjean,D. (Hrsg.): Chronifizierung von Rückenschmerzen: Hintergründe, Auswege. Schlussbericht des nationalen

Forschungsprogramms Nr. 26B; EULAR Verlag, Basel, 1996, S. 33 - 42

Lau,B.K.

Vaughan,C.W.

Descending modulation of pain: the GABA disinhibition hypothesis of analgesia

Curr Opin Neurobiol 29 (2014)159 – 64 (zit. Sirucek et al., 2023)

+Laube,W.

Chronische myofaszial-skeletale Rückenschmerzen – Maladaptationen im Gehirn

Manuelle Med 61 (2023)188 – 90 doi.org/10.1007/s0037-023-00981-8

+Laube,W.

Defizitäre Durchblutung als entzündungsfördernder Faktor und die Wirksamkeit der myofaszialen Release – Technik im lumbalen Bereich

Manuelle Med 62 (2024)201 – 3 doi.org/10.1007/s00337-024-01067-9

+Laube,W.

Wie können unspezifische Schmerzen im unteren Rücken behandelt werden? Ein Vergleich von vier Interventionen in einem systematischen Review mit Metaanalyse.

Manuelle Med 62 (2024a)284 – 7 doi.org/10.1007/s00337-024-01089-3

+Laube,W.

Veränderungen der Struktur der autochtonen Muskulatur bei Personen mit einem „low back pain“: ein systematisches Review mit Metaanalyse (Kommentar)

Manuelle Med 63 (2025)38 – 42 doi.org/10.1007/s00337-024-01117-2

+Laube,W.

Beim „low back pain“ mit nozioplastischem Schmerzphänotyp liegt eine neuroentzündliche Aktivierung sensorischer und motorischer Kortexregionen vor

Manuelle Med 63 (2025a)129 – 32
doi.org/10.1007/s00337-025-01148-3

+Lauche,R.

Cramer,H., Haller,H., Musial,F., langhorst,J., Dobos,G.I., Berger,B.

My back has shrunk: the influence of traditional cupping on body image in patients with non-specific neck pain

Forsch Komplementmed 19 (2012)68 - 74

- +Lauche,R. Klose,P., Radbruch,L., Welsch,P., Häuser,W.
Opioide bei chronischen nicht-tumorbedingten Schmerzen – gibt es Unterschiede? Systematische Übersicht und Metaanalyse der Wirksamkeit, Verträglichkeit und Sicherheit in randomisierten Direktvergleichen von Opioiden über mindestens 4 Wochen
Schmerz 29 (2015)73 - 84
- +Laudahn,D. Walper,A.
Efficacy and tolerance of Harpagophytum extract LI 174 in patients with chronic non-radicular low back pain
Phytother Res 15 (2001)621 – 4
- +Laurell,K. Larsson,B., Eeg-Olofsson,O.
Headache in schoolchildren: association with other pain, family history and psychosocial factors
Pain 119 (2005)150 – 8
- +Lauridsen,H.H. Hartvigsen,J., Korsholm,L., Grunnet-Nilsson,N., Manniche,C.
Choice of external criteria in back pain research: does it matter? Recommendations based on analysis of responsiveness
Pain 131 (2007)112 – 20
- +Laurin,J. Gondin,J., Dousset,E., Decherchi,P.
Effect of tenotomy on metabosensitive afferent fibers from tibialis anterior muscles
Exp Brain Res 186 (2008)87 – 92
- +Laursen,R.J. Graven-Nielsen,T., Jensen,T.S., Arendt-Nielsen,L.
The effect of compression and regional anesthetic block on referred pain intensity in humans
Pain 80 (1999)257 – 63
- +Lautenbacher,S. Commentary to “Do words hurt? Brain activation during the processing of pain words” by Richter et al.
Pain 148 (2010)179
- +Lautenbacher,S. Sernal,J., Schreiber,W., Krieg,J.C.

- Relationship between clinical pain complaints and pain sensitivity in patients with depression and panic disorders
Psychosom Med 61 (1999)822 – 7
- +Laux,G. Aktuelle Pharmakologie der Depression
Nervenheilkd 34 (2015)888 - 99
- Lavazza,C. Gall.,M., Abanavoli,A., Maggiani,A.
Sham treatment effects in manual therapy trials on back pain patients: a systematic review and pairwise meta-analysis
BMJOpen 11 (2021)5: e45106 (zit. Beyer et al., 2022)
- +Lavender,S.A. Shakneel,K., Andersson,G., Thomas,J.
Effect of lifting belts, foot movements, and lift asymmetry on trunk motion
Hum Factors 37 (1995)844 – 53
- +Lavender,S.A. Chen,S.H., Li,Y.C., Andersson,G.B.J.
Trunk muscle use during pulling tasks: effects of a lifting belt and footing conditions
Hum Factors 40 (1998)159 – 70
- +Lavender,S.A. Shakeel,K., Andersson,G.B.J., Thomas,J.S.
Effects of a lifting belt on spine moments and muscle recruitments after unexpected sudden loading
Spine 25 (2000)1569 – 72
- Lavender,S.A., Lorenz,E.P., Andersson,G.B.
Can a new behaviorally oriented training process to improve lifting technique prevent occupationally related back injuries due to lifting?
Spine 32 (2007)487 - 494
- +Lavich,T.R. Siqueira,R.A., Farias-Filho,F.A., Cordeiro,R.S., Rodrigues e Silva,P.M., Martins,M.A.
Neutrophil infiltration is implicated in sustained thermal hyperalgetic response evoked by allergen provocation in actively sensitized rats
Pain 125 (2006)180 - 7

- +Lavie,N. de Fockert,J.
Frontal control of attending capture in visual search
Vis Cogn 14 (2006)863 – 76
- +Lavignolle,B. Vital,J.M.; Senegas,J., Destandau,J., Toson,B., Bouyx,P.,
Morlier,P., Delorme,G., Cabalet ;A.
An approach to the functional anatomy of the sacroiliacal
joints in vivo
Anat Clin 5 (1983)169
- +Laviola,G. Ognibene,E., Romano,E., Adriani,W., Keller,F.,
Gene environment interaction during early development in
the heterozygous reeler mouse: clues to modelling of major
neurobehavioral syndromes
Neurosci Biobehav Rev 33 (2009)560 – 72
- Law,L.F. siehe Frey Law,L.
- +Lawan,A. Leung,A., Leung,L., Faul,J., Umoh,J.U., Holdsworth,D.W.,
Bryant,D.M., Battie,M.C.
Detection and characterisation of endplate structural defects
on CT. A diagnostic accuracy study
Spine 49 (2024)1219 – 26
doi.org/10.1097/BRS.0000000000004936
- +Lawand,N.B. McNearney,T., Westlund,K.N.
Amino acid release into the knee joint: key role in nociception
and inflammation
Pain 86 (2000)69 – 74
- +Lawford,B.R. Young,R.M., Noble,E.P., Kann,B., Arnold,L., Rowell,J.,
Ritchie,T.L.
D2 dopamine receptor gene polymorphism: paroxetine and
social functioning in posttraumatic stress disorder
Eur Neuropsychopharmacol 13 (2003)313 – 20
- +Lawrence,B.D. Wang,J., Arnold,P., Hermsmeyer,J., Norvell,D.C., Brodke,D.S.
Predicting the risk of adjacent segment pathology after
lumbar fusion. A systematic review

- Spine 37 (2012)22Suppl: S 123-32
- +Lawrence,D.J. Meeker,W., Branson,R., Bronfort,G., cates,J.R., Haas,M., haneline,M., Micozzi,M., Updyke,W., Mootz,R., Triano,J.J., Hawk,C.
- Chiropractic management of low back pain and low-back-related leg complaints: a literature synthesis
- J Manipulative Physiol Ther 31 (2008)659 - 74
- Lawrence,J.S. Disc degeneration. Its frequency and relationship to symptoms
- Ann Rheum Dis 28 (1969)121 – 38 (zit. Kramer, 2006)
- +Lawson,K.P. Nag,S., Thompson,A.D., Mokha,S.S.
- Sex-specificity and estrogen dependence of kappa opioid receptor-mediated antinociception and antihyperalgesia
- Pain 151 (2010)806 - 15
- +Layne,E.I. Roffey,D.M., Coyle,M.J., Phan,P., Kingwell,S.P., Wai,E.,
- Activities performed and treatment conducted before consultation with a spine surgeon: a patients and clinicians following evidence-based clinical practice guidelines
- Spine J 18 (2018)614 - 9
- +Lazarou,L. Kitsios,A., Lazarou,I., Sikaras,E., Trampas,A.
- Effects of intensity of transcutaneous electrical nerve stimulation (TENS) on pressure pain threshold and blood pressure in healthy humans. A randomized, double blind, placebo controlled trial
- Clin J Pain 25 (2009)773 - 80
- Lazarus,R.S. Folkman,S.
- Stress, appraisal, and coping. New York, Springer, 1984 (zit. Romano et al., 2003)
- +Lazary,A. Bozsodi,A., Somhegy,A., Varga,P.P.
- Vitamin D receptor polymorphisms are associated with muscle performance
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;

- Spine J 13 (2013) Suppl 9S:22S – 23 S
- +Le,Y.H. Kohl,M., Stengel,S., Uder,M., Kemmler,W.
Effectiveness and safety of whole-body electromyostimulation on musculoskeletal diseases in middle aged – older adults – a systematic review
Dt Z Sportmed 75 (2024)2: 41 – 8
doi.org/10.5960/dzsm.2024.590
- +Lean,M.E. Han,T.S., Seidell,J.C.
Impairment of health and quality of life in people with large waist circumference
Lancet 351 (1998)853 – 6
- +Leavitt,F. Garron,D.C., Whisler,W.W., Sheinkop,M.B.
Affective and sensory dimensions of back pain
Pain 4 (1978)273 – 81
- +Le Bars,D. The whole body receptive field of dorsal horn multireceptive neurones
Brain Res Rev 40 (2002)29 - 44
- +Le Bars,D. Dickenson,A.H., Besson,J.M.
Diffuse noxious inhibitory controls (DNIC): I. Effects on dorsal horn convergent neurones in the rat
Pain 6 (1979)283 – 304
- Le Bars,D. Dickenson,A.H., Besson,J.M.
Diffuse noxious inhibitory controls (DNIC) II Lack of effect on non-convergent neurons, supraspinal involvement and theoretical implications
Pain 6 (1979a)305 - 27
- +Lebe,M. Hasenbring,M., Schmieder,K., Jetschke,K., Harders,A., Epplen,J.T., Hoffjan,S., Kötting,J.
Association of serotonin-1A and -2A receptor promoter polymorphisms with depressive symptoms, functional recovery, and pain in patients 6 month after lumbar disc surgery
Pain 154 (2013)377 - 84

- +Lebkowski,W.J. Lebkowska,U., Niedzwiecka,M., Dzieciol,J.
- The radiological symptoms of lumbar disc herniation and degenerative disc changes of the lumbar intervertebral discs
- Med Sci Monit 10 (2004)Suppl 3: 112 – 4
- +LeBlanc,B.W. Lii,T.R., Huang,J.J., Chao,Y.C., Bowary,P.M., Cross,B.S., Lee,M.S., Vera-Portocarrero,L.P., Saab,C.Y.
- T-type calcium channel blocker Z944 restores cortical synchrony and thalamocortical connectivity in a rat model of neuropathic pain
- Pain 157 (2016)255 - 63
- +Leboeuf-Yde,C. Smoking and low back pain: a systematic literature review of 41 journal articles reporting 47 epidemiologic studies
- Spine 24 (1999)1463 – 70
- +Leboeuf-Yde,C. Alcohol and low back pain: a systematic literature review
- J Manipulative Physiol Ther 23 (2000)343 – 6
- +Leboeuf-Yde,C Fejer,R., Nielsen,J., Kyvik,K.O., Hartvigsen,J.
- Consequences of spinal pain: Do age and gender matter? A Danish cross-sectional population-based study of 34,902 individuals 20 – 71 years of age
- BMC Musculoskeletal Disord 12 (2011)39
- +Leboeuf-Yde,C. Gronstvedt,A., Borge,J.A., Lothe,J., Magnesen,E., Nilsson,O., Rosok,G., Stig,L.C., Larsen,K.
- The Nordic Back Pain Subpopulation Program: a 1-year prospective multicenter study of outcomes of persistent low-back pain in chiropractic patients
- J Manipul Physiol Ther 28 (2005)90 – 6
- +Leboeuf-Yde,C. Hennius,B. Rudberg,E., Leufvenmark,P., Thunmann,M.
- Chiropractic in Sweden: a short description of patients and treatment
- J Manipulative Physiol Ther 20 (1997)507 – 10
- +Leboeuf-Yde,C. Hennius,B., Rudberg,E., Leufvenmark,P., Thunman,M.
- Side effects of chiropractic treatment: a prospective study

	J Manipulative Physiol Ther 20 (1997)511 – 5
+Leboeuf-Yde,C.	Kjaer,P., Bendix,T., Manniche,C.
	Self-reported hard physical work combined with heavy smoking ore overweight may result in so-called Modic changes
	BMC Musculoskelet Disord 9 (2008)5: 1 - 11
+Leboeuf-Yde,C.	Kyvik,K.O.
	At what age does low back pain become a common problem? A study of 29,424 individuals aged 12 – 41 years
	Spine 23 (1998)228 - 34
+Leboeuf-Yde,C.	Kyvik,K.O., Bruun,N.H.
	Low back pain and lifestile. Part I: smoking. Information from a population-based sample of 29,424 twins
	Spine 23 (1998)2207 – 12, dicussion 2214
--Leboeuf-Yde,C.	Lauritsen,J.M., Lauritsen,T.
	Why has the search for causes for low back pain largely been nonconclusive?
	Spine 22 (1997)877 – 81 (zit. Shiri et al., 2016)
+Leboeuf-Yde,C.	Manniche,C.
	Low back pain: time to get off the treadmill
	J Manipul Physiol Ther 24 (2001)63 – 6
--Leboeuf-Yde,C.	Yashia,A., Lauritsen,T.
	Does smoking cause low back pain? Results from a population-based study
	J Manipulative Physiol Ther 19 (1996)99 – 108 (zit. Shiri et al., 2016)
+Lebow,R.L.	Adogwa,O., Parker,S.L., Sharma,A., Cheng,J., McGirt,M.J.
	Asymptomatic same-site recurrent disc herniation after lumbar discectomy. Results of a prospective longitudinal study with 2-year serial imaging
	Spine 36 (2011)2147 – 51
+Lechner,A.	Tilscher,H.

Klinischer Untersuchungsgang bei Störungen der Lenden-
Becken-Hüft-Region

Manuelle Med 52 (2014)28 - 32

+Leckie,S.K.

Bechara,B.P., Hartman,R.A., Sowa,G.A., Woods,B.I.,
Coelho,J.P., Witt,W.T., Dong,Q.D., Bowman,B.W., Bell,K.M.,
Vo,N.V., Wang,B., Kang,J.D.

Injection of AAV2-BMP2 and AAV2-TIMP1 into the nucleus
pulposus slows the course of intervertebral disc degeneration
in an in vivo rabbit model

Spine J 12 8(2012)7 - 20

+Leclaire,R.

Fortin,L., Lambert,R.,Bergeron,Y.M., Rossignol,M.

Radiofrequency facet joint denervation in the treatment of
low back pain: a placebo control clinical trial to assess efficacy

Spine 26 (2001)1411 – 6

+Leclerc,A.

Gourmelen,J. Chastang,W., Plouvier,S., Niedhammer,I.,
Lanoe,J.L.

Level of education and back pain in France : the role of
democratic, lifestyle and physical work factors

Int Arch Occup Environ Health 82 (2009)643 – 52

+Ledeen,R.W.

Chakraborty,G.

Cytokines, signal transduction, and inflammatory
demyelination: review and hypothesis

Neurochem Res 23 (1998)277 – 89 (zit Costa et al., 2005)

+Lederman,E.

The fall of the postural-structural-biomechanical model in
manual and physical therapies: Exemplified by lower back
pain

J Bodywork Movment Ther 15 (2011)131 - 8

+Lederman,E.

Prozessorientierung in der Osteopathie: ein Ansatz jenseits
des Strukturmodells

Osteopath Med 18 (2017)3: 4 - 14

+LeDoux,J.

The emotional brain, fear, and the amygdala

Cell Mol Neurobiol 23 (2003)727 – 38

+Lee,A.S.

Pyle,C.W., Redding,D.

- Accuracy of anterior superior iliac spine symmetry
assessment by routine structural examination
- J Am Osteo Assoc 115 (2015c)484 - 9
- +Lee,C.E.. Simmonds,M.J., Etnyre,B.R., Morris,G.S.
- Influence of pain distribution on gait characteristics in
patients with low back pain. Part 1: vertical ground reaction
force
- Spine 32 (2007)1329 – 36
- Lee,C.Y. Kratter,R., Duvoisin,N., Taskin,A., Schilling,J.
- Cross-sectional view of factors associated with back pain
- Int Arch Occup Environ Health 78 (2005)319 – 24 (zit.
Wedderkopp et al., 2009)
- Lee,D. Instability of the sacroiliac joint and the consequences for
gaits
- In: Vleeming, A. et al. (eds.): Movement, Stability, & Low Back
Pain, Edinburgh, Churchill Livingstone, 1997: 233 (zit. Rennie,
2007)
- +Lee,D.K: Kim,Y.N., Park,C.B., Park,M.S.
- The effect of actively induced vibration using shoulder joint
on pain and dysfunction in patients with low back pain
- J Phys Ther Sci 30 (2018)23 - 6
- +Lee,F.H. Raja,S.N.
- Complementary and alternative medicine in chronic pain
- Pain 152 (2011)28 – 30
- +Lee,G.W. Lee,S.M., Ahn,M.W., Kim,H.J., Yeom,Y.
- Comparison of surgical treatment with direct repair versus
conservative treatment in young patients with spondylolysis:
a prospective, comparative, clinical trial
- Spine J 15 (2015b)1545 - 51
- +Lee,G.W. Lee,S.M., Suh,B.G.
- The impact of generalized joint laxity on the occurrence and
disease course of primary lumbar disc herniation

- Spine J 15 (2015a)65 - 70
- +Lee,H. Hübscher,M., Moseley,G.L., Kamper,S.J., Traeger,A.C., Mansell,G., McAuley,J.H.
- How does pain lead to disability? A systematic review and meta-analysis of mediation studies in people with back and neck pain
- Pain 156 (2015)988 - 97
- +Lee,H. Sowa,G.,Vo,N., Vadala,G., O’Connell,S., Studer,R., Kang,J.
- Effect of bupivacaine on intervertebral disc cell viability
- Spine J 10 (2010)159 - 66
- +Lee,H. Wilbur,J., Kim,M.J., Miller,A.M.
- Psychosocial risk factors for work related musculoskeletal disorders of the lower back among long-haul international female flight attendants
- J Adv Nurs 61 (2008b)492 – 502
- +Lee,H.K. Synaptic plasticity and phosphorylation
- Pharmacol Ther 112 (2006c)810 – 32
- +Lee,H.K. Ahmed,M.M., King,K.C., Miranpuri,G.S., Kahle,K.T., Resnick,D.K., Sun,D.
- Persistent phosphorylation of NKCC1 and WNK1 in the epicenter of the spinal cord following contusion injury
- Spine J 14 (2014)777 - 81
- +Lee,I. Kim,H.K., Kim,J.H., Chung,K., Chung,J.M.
- The role of reactive oxygen species in capsaicin-induced mechanical hyperalgesia and in the activities of dorsal horn neurons
- Pain 133 (2007)9 – 17
- Lee,J. Eun,S., Kim,J., Lee,J.H., Park,K.
- Differential influence of acupuncture somatosensory and cognitive/affective components on functional brain connectivity and pain reduction during low back pain state
- Front Neurosci 13 (2019b)1062
doi.org/10.3389/fnins.2019.01062

- Lee,J. Napadow,V., Kim,J., Lee,S., Choi,W., Kaptchuk,T.,Park,K.
Phantom acupuncture: Dissociating somatosensory and cognitive/affective components of acupuncture stimulation with a novel form of placebo acupuncture
Plos One 9 (2014a)e104582
doi.org/10.1371/journal.pone.0104582
- +Lee,J.C. Laydon,J.T., McDonnel,P.C., Gallagher,T.F., Kumar,S., Green,D., McNulty,D., Blumenthal,M.J. und weitere 10 Autoren
A protein kinase involved in the regulation of inflammatory cytokine biosynthesis
Nature 372 (1994)739 – 46
- Lee,J.C. Cha,J.G., Kim,Y., Shin,B.J.
Quantitative analysis of back muscle degeneration in the patients with the degenerative lumbar flat back using a digital image analysis
Spine 33 (2008)318 - 25
- +Lee,J.H. Choi,K.H., Kang,S., Kim,D.H., Kim,D.H., Kim B.R., Kim,W., kim,J.H. und weitere 30 Autoren
Nonsurgical treatments for patients with radicular pain from lumbosacral disc herniation
Spine J 19 (2019)1478 - 89
- +Lee,J.H. Choi,T.J., Lee,M.S., Lee,H., Shin,B.C., Lee,H.
Acupuncture for acute low back pain. A systematic review
Clin J Pain 29 (2013a)172 - 85
- +Lee,J.H. Hoshino,Y., Nakamura,K., Kariya,Y., Saita,K., Ito,K.
Trunk muscle weakness as a risk factor for low back pain
Spine 24 (1999)54 – 7
- +Lee,J.H. Ooi,Y., Nakamura,K.
Measurement of muscle strength of the trunk and the lower extremities in subjects with history of low back pain
Spine 20 (1995a)1994 - 6

- +Lee,J.M. Zipfel,G.J., Chol,D.W.
The changing landscape of ischaemic brain injury mechanisms
Nature 399 (1999)Suppl. A7 – 14
- +Lee,J.Y.K. Fink,D.J., Mata,M.
Vector-mediated gene transfer to express inhibitory neurotransmitters in dorsal root ganglion reduces pain in a rodent model of lumbar radiculopathy
Spine 31 (2006)1555 – 8
- +Lee,K.S. Doh,J.W., Bae,H.G., Yun,I.G.
Diagnostic criteria for the clinical syndrome of internal disc disruption: are they reliable?
Br J Neurosurg 17 (2003)19 – 23
- +Lee,K.Y. Prescott,S.A.
Chloride dysregulation and inhibitory receptor blockade yield equivalent disinhibition of spinal neurons yet are differentially reversed by carbonic anhydrase blockade
Pain 156 (2015)2431 - 7
- +Lee,M. Latimer,J., Maher,C.
Normal response to large posteroanterior lumbar loads – a case study approach
- +Lee,M.C. Ploner,M., Wiech,K., Bingel,U., Wanigasekera,V., Brooks,J., menon,D.K., Tracey,I.
Amygdala activity contributes to the dissociative effect of cannabis on pain perception
Pain 154 (2013)124 - 34
- +Lee,M.J. Dettori,J.R., Standaert,C.J., Brodt,E.D., Chapman,J.R.
The natural history of degeneration of the lumbar and cervical spines. A systematical review
Spine 37 (2012a)22Suppl.: S 18 – S 30
- +Lee,P.B. Kim,Y.C., Lim,Y.J., Lee,C.J., Choi,S.S., Park,S.H., Lee,J.G., Lee,S.C.

- Efficacy of pulsed electromagnetic therapy for chronic lower back pain: a randomized, double-blind, placebo-controlled study
- J Int Med Res 34 (2006b)160 – 7
- +Lee,R.P. The living matrix: a model for the primary respiratory mechanism
- Explore 4 (2008a)374 - 8
- Lee,R.Y.W. Wong,T.K.T.
- Relationships between the movements of the lumbar spine and hip
- Hum Mov Sci 21 (2002)481 – 94 (zit. Hansen et al., 2006)
- Lee,S.H. Hwang,S.J., Koh,K.S., Song,W.C., Han,S.D
- Macroscopic innervation of the dura mater covering the middle cranial fossa in humans correlated to neurovascular headache
- Front Neuroanat 11 (2017)127
doi.org/10.3389/fnana.2017.00127 (zit. Bordoni et al., 2019)
- +Lee,S.J. Han,T.R., Hyun,J.K., Jeon,J.Y., Myong,N.H.
- Electromyographic findings in nucleus pulposus-induced radiculopathy in the rat
- Spine 31 (2006)2053 – 8
- +Lee,S.J. Kim,T.U., Park,J.S., Ra,J.Y.
- Inhibition of nitric oxide mediated protein nitration. Therapeutic implications in experimental radiculopathy
- Spine 38 (2013b)1749 - 53
- (-)Lee,S.P. Dinglasan,V., Duong,A., Totten,R., Smith,J.A.
- Individuals with recurrent low back pain exhibit significant changes in paraspinal muscle strength after intramuscular fine wire electrode insertion
- Phys Med & Rehab (2019a) Zugriff 5.12.2019
doi.org/10.1002/pmrj.12284
- (-)Lee,T.S. Sherman,K.J., Hawkes,R.J., Phelan,E.A., Turner,J.A.

- The benefits of T'ai Chi for older adults with chronic back pain: A qualitative study
- J Altern Complement Med (2020) online 5.5.2020, doi/10.1089/acm.2019.0455
- +Lee,Y.-S. Kim,H., Brahim,J.S., Rowan,J., Lee,G., Dionne,R.A.
- Acetaminophen selectively suppresses peripheral prostaglandin E2 release and invreases COX-2 gene expression in a clinical model of acute inflammation
- Pain 129 (2007)279 – 86
- +Lee,Y.W. Chaplan,S.R., Yaksh,T.L.
- Systemic and supraspinal, but not spinal, opiates suppress allodynia in rat neuropathic pain model
- Neurosci Lett 199 (1995)111 – 4
- +Lee-Kubli,C.A.G. Calcutt,N.A.
- Altered rate-dependent depression of the H-reflex as an indicator of spinal disinhibition in models of nociceptive pain
- Pain 155 (2014)250 - 60
- +Leem,J.W. Willis,W.D., Weller,S.C., Chung,J.M.
- Differential activation and classification of cutaneous afferents in the rat
- J Neurophysiol 70 (1993)2411 – 24
- (-)Leemann,S. Peterson,C.K., Schmid,C., Anklin,B., Humphreys,B.K.
- Outcomes of acute and chronic patients with magnetic resonance imaging- confirmed symptomatic lumbar disc herniation receiving high-velocity, low amplitude spinal manipulative therapy: a prospective observational cohort study with one year follow-up
- J Manipulative Physiol Ther 37 (2014)155 – 65 (zit. Castro-Sanchez et al., 2016)
- +Leeuw,M. Goossens,M.E.J.B., Linton,S., Crombez,G., Boersma,K., Vlaeyen,J.W.S.
- The fear-avoidance-model of muskuloskeletal pain: current state of scientific evidence
- J Behav Med 30 (2007a)77 – 94

- +Leeuw,M. Goossens,M.E.J.B., van Breukelen,G.J.P., de Jong,J.R., Heuts,P.H.T.G., Smeets,R.J.E.M., Köke,A.J.A., Vlaeyen,J.W.S.
Exposure in vivo versus operant graded activity in chronic low back pain patients: results of a randomized controlled trial
Pain 138 (2008)192 - 207
- +Leeuw,M., Houben,R.A.M., Severeijns,R., Picavet,H.S.J., Schouten,E.G.W., Vlaeyen,J.W.S.
Pain-related fear in low back pain: A prospective study in the general population
Eur J Pain 11 (2007)256 – 66
- +Lederer,A.J. Bornemann-Cimenti,H., Wejborra,M., Kern-Pirsch,C., Michaeli,K., Sandner-Kiesling,A.
Pregabalin und postoperative Hyperalgesie. Ein Review
Schmerz 25 (2011)12 - 8
- +Lefaucheur,J.P. Drouot,X., Menard-Lefaucheur,I., Keravel,Y., Nguyen,J.P.
Motor cortex rTMS restores defective intracortical inhibition in chronic neuropathic pain
Neurology 67 (2006)1568 – 74
- +Leffler,A.S. Hansson,P.
Letter to the editor: Pseudoradicular and radicular low back pain – A disease continuum rather than different entities? Answers from quantitative sensory testing?
Pain 135 (2008)312 - 3
- +Le Floch-Prigent,P. La role du muscle psoas: a propos de la dissection de 10 adultes et de 10 nouveaux-nés
Bull Assoc Anat (Nancy) 197 (1983)213 – 8
- +Le Fort,S.M. Hannah,T.W.
Return to work following an aqua fitness and muscle strengthening program for the low back injured
Arch Phys Med Rehabil 75 (1994)1247 – 55
- +Legat,M. Funktionelle Instabilität – Definition, Wertigkeit, Therapiemöglichkeiten

- Schmerz 21 (2007)Suppl., 43 - 4
- +Legaye,J. Duval-Beaupere,G., Hecquet,J., Marty,C.
Pelvic incidence: a fundamental pelvic parameter for three-dimensional regulation of spinal sagittal curves
Eur Spine J 7 (1998)99 – 103
- +Leggett,S. Mooney,V., Matheson,L., Nelson,B., Dreisninger,T., Zytveld,J.V., Vie,L.
Restorative exercise for clinical low back pain: a prospective two-center study with 1-year follow-up
Spine 24 (1999)889 – 98
- +Legrain,V. Where is my pain? Commentary
Pain 152 (2011)467 - 8
- +Legrain,V. van Damme,S., Eccleston,C., Davis,K.D., Seminowicz,D.A., Crombez,G.
A neurocognitive model of attention to pain: behavioural and neuroimaging evidence
Pain 144 (2009)230 - 2
- +Lehmann,T. Brand,R.
Instability of the lower lumbar spine
Orthop Trans 7 (1983)97
- +Lehtola,V. Luomajoki,H., Leinonen,V., Gibbons,S., Airaksinen,O.
Sub-classification based specific movement control exercises are superior to general exercises in sub-acute low back pain when both are combined with manual therapy: a randomized controlled trial
BMC Musculoskel Disord 17 (2016)135: 1 - 16
- +Leight,J.P. Sheetz,R.M.
Prevalence of back pain among full-time United States workers
Br J Industr Med 4 (1989)651 – 7

- +Leinders,M. Koehn, F.J., Bartok,B., Boyle,D.L., Shubayev,V., Kalcheva,I., Yu,N.K., Park,J., Kaang,B.K., Hefferan,M.P., Firestein,G.S., Sorkin,L.S.
- Differential distribution of PI3K isoforms in spinal cord and dorsal root ganglia: potential roles in acute inflammatory pain
- Pain 155 (2014)1150 - 60
- +Leinmüller,R. Medizinreport: Rückenschmerzen – der größte Teil ist myofaszial bedingt
- Dt Ärztebl 105 (2008)A1657 - 8
- +Leino,P.I. Does leisure time physical activity prevent low back disorders? A prospective study of metal industry employees
- Spine 18 (1993)863 – 71
- Leino-Arjas,P. Hänninen,K., Puska,P.
- Socioeconomic variation in back and joint pain in Finland
- Eur J Epidemiol 14 (1998)79 – 87 (zit. Shiri et al., 2016)
- +Leino-Arjas,P. Rajaleid,K., Mekuria,G., Nummi,T., Virtanen,P., Hammarström,A.
- Trajectories if musculoskeletal pain from adolescence to middle age: the role of early depressive symptoms, a 27-year follow-up of the Northern Swedish Cohort
- Pain 159 (2018)67 - 74
- Leino-Arjas,P. Solovieva,S., Kirjonen,J. et al.
- Cardiovascular risk factors and low back pain in a long-term follow-up of industrial employees
- Scand J Work Environ Health 32 (2006)12 – 9 (zit. Shiri et al., 2010)
- Leinonen,V. Airaksinen,M., Taimela,S., Kankaanpää,M., Kukka,A. et al.,
- Low back pain suppresses preparatory and triggered upper-limb activation after sudden upper-limb loading
- Spine 32 (2007)E150 -5
- +Leinonen,V. Kankaanpää,M., Luukkonen,M., Kansanen,M., Hänninen,O., Airaksinen,O., Taimela,S.

- Lumbar paraspinal muscle function, perception of lumbar position, and postural control in disc herniation-related back pain
- Spine 27 (2003)842 – 8
- +Leinonen,V. Kankaanpää,M. Luukkonen,M., Hänninen,O., Airaksinen,O., Taimela,S.
- Disc herniation-related back pain impairs feed-forward control of paraspinal muscles
- Spine 26 (2001)E367 – 72
- +Leinonen,V. Määtä,S., Taimela,S., Herno,A., Kankaanpää,M., Partanen,J., Kansanen,M., Hänninen,O., Airaksinen,O.
- Impaired lumbar movement perception in association with postural stability and motor- and somatosensory-evoked potentials in lumbar spinal stenosis
- Spine 27 (2002)975 – 83
- +Leisner,S. Gerhardt,A., Tesarz,J., Janke,S., Seidler,G.H., Eich,W.
- Frühe Missbrauchserlebnisse bei chronischem Kreuzschmerz. Direkte und medierte Effekte früher Missbrauchserlebnisse auf verschiedene Schmerzdimensionen chronischer nichtspezifischer Kreuzschmerzen
- Schmerz 28 (2014)600 - 6
- +Leite,P.M.S. Mendonca,A.R.C., Maciel,L.Y.S., Poderoso-Neto,M.L., Araujo,C.C.A., Gois,H.C.G., Souza,J.H.S., de Santana,J.M.
- Does electroacupuncture treatment reduce pain and change quantitative testing responses in patients with chronic nonspecific low back pain? A randomized controlled clinical trial
- Evid Complement Alternat Med (2018)8586746
doi.org/10.1155/2018/8586746
- +Leite-Almeida,H. Cerqueira,J.J., Wei,H., Ribeiro-Costa,N., Anjos-Martins,H., Sousa,N., Pertovaara,A., Almeida,A.
- Differential effects of left/right neuropathy on rats' anxiety and cognitive behavior
- Pain 153 (2012)2218 - 25
- +Letzen,J.E. Robinson,M.E.

- Negative mood influences default mode network functional connectivity in patients with chronic low back pain: implications for functional neuroimaging biomarkers
Pain 158 (2017)48 - 57
- Leivadi,S. et al. Massage therapy and relaxation effects on university dance students
J Dance Med Sci 3 (1999)108 – 12 (zit. Weerapong et al., 2005)
- +Lekan,H.A. Carlton,S.M., Coggehall,R.E.
Sprouting of A beta fibers into lamina II of the rat dorsal horn in peripheral neuropathy
Neurosci Lett 208 (1996)147 – 50
- +Leknes,S. Bastian,B.
Commentary : How does pain affect eating and food pleasure ?
Pain 155 (2014)652 - 3
- +Leknes,S. Berna,C., Lee,M.C., Snyder,G.D., Biele,G., Tracey,I.
The importance of context : When relative relief renders pain pleasure
Pain 154 (2013)402 – 10
- +Leknes,S. Tracey,I.
A common neurobiology for pain and pleasure
Nat Rev Neurosci 9 (2008)314 – 20
- +Le Maitre,C.H. Freemont,A.J., Hoyland,J.A.
Localisation of degradative enzymes and their inhibitors in the degenerate human intervertebral disc
J Pathol 204 (2004)47 – 54
- +Le Maitre,C.H. Freemont,A.J., Hoyland,J.A.
The role of Interleukin-1 in the pathogenesis of human intervertebral disc degeneration
Arthritis Res Ther 7 (2005)R732 – 45
- +Le Maitre,C.H. Freemont,A.J., Hoyland,J.A.

- Accelerated cellular senescence in degenerate intervertebral disc : a possible role in the pathogenesis of intervertebral disc degeneration
- Arthritis Res Ther 9 (2007)R45: 1 - 12
- +Le Maitre,C.H. Hoyland,J.A., Freemont,A.J.
- Catabolic cytokine expression in degenerate and herniated human intervertebral discs; IL beta and TNF alpha profile
- Arthritis Res Ther 9 (2007)R77
- +Le Maitre,C.H. Hoyland,J.A., Freemont,A.J.
- Interleukin-1 receptor antagonist delivered directly and by gene therapy inhibits matrix deneneration in the intact degenerated human intervertebral disc: an in situ zymographic and gene therapy study
- Arthritis Res Ther 9 (2007a)R83
- +Le Maitre,C.L: Frain,J., Millward-Sadler,J., Fotheringham,A.P., Freemont,A.J., Hoyland,J.A.
- Altered integrin mechanotransduction in human nucleus pulposus cells derived from degenerated discs
- Arthrit Rheum 60 (2009)460 – 9
- +Lemes,I.R. Pinto,R.Z., Lynch,B.C.T., Codogno,J.S., Oliviera,C.B., Ross,L.M., Fernandez,R.A., Monteiro,H.L.
- The association between leisure-time physical activity, sedentary behavior, and low back pain
- Spine 46 (2021)596 – 602
doi.org/10.1097/BRS.0000000000003996
- +Lemke,J.M. Sind wir so präzise an der LWS, wie wir meinen?
- Vortrag auf dem Europäischen Kongress Manuelle Medizin, Leipzig, 20.-22.4.2023
- Manuelle Med 61 (2023)194 doi.org/10.1007/s0037-023-00982-7
- +Lemming,D. Sörensen,J., Graven-Nielsen,T., Lauber,R., Arendt-Nielsen,L., Gerdle,B.

- Managing chronic whiplash associated pain with a combination of low-dose opioid (remifentanyl) and NMDA-antagonist (ketamine)
- Eur J Pain 11 (2007)719 – 32
- Le Merrer,J Becker,J.A., Befort,K., Kieffer,B.L.
- Reward processing by the opioid system in the brain
- Physiol Rev 89 (2009)1397 – 412 (zit Ballantyne & Sullivan, 2017)
- +Lentjes,E.G.W.M. Griep,E.N., Boersma,J.W., Romijn,F.P.T.H.M.,de Kloet,E.R.
- Glucocorticoid receptors, fibromyalgia and low back pain
- Psychoneuroendocrinology 22 (1997)603 – 14
- Lenz,F.A. Dougherty,P.M.
- Pain processing in the human thalamus
- In: Steriade,M., Jones,E.G., McCormick,D.A., eds. Thalamus. Experimental/clinical aspects, vol II. Oxford, Elsevier Press, 1997, p. 617 – 51 (zit. Treede & Lenz, 2006)
- +Lenz,F.A. Gracely,R.H., Baker,F.H., Richardson,R.T., Dougherty,P.M.
- Reorganisation of sensory modalities evoked by microstimulation in region of the thalamic principal sensory nucleus in patients with pain due to nervous system injury
- J Comparat Neurol 399 (1998)125 - 38
- Lenzen-Schulte,M. Wie sicher ist Metamizol?
- Dt Aezrtebl 121 (2024)A1234 <https://daebl.de/KN94>
- +Leonard,G. Goffaux,P., Marchand,S.
- deciphering the role of endogenous opioids in high-frequency TENS using low and high doses of naloxone
- Pain 151 (2010)215 - 9
- +Leonhardt,C. Keller,S., Becker,A., Baum,E., Donner-Banzhoff,N., Griego,J., Pfingsten,M., Hildebrandt,J., Chenot,J.F., Kochen,M.M., Basler,H.D.
- Kreuzschmerzpatienten in hausärztlichen Praxen: Schmerzepidemiologie und Bewegungsmotivation

	Schmerz 17 (2003) Suppl.1, 54 – 5
-Leonhardt,C. et al.	Kann die Funktionskapazität durch von Arzthelferinnen angebotene motivationale Beratung zu körperlicher Aktivität und Bewegung verbessert werden?
	Schmerz 20 (2006) Suppl.1, 35
Leonhardt,C.	Lehr,D., Becker,A., Keller,S., Baum,E., Donner-Banzhoff,N., Pfingsten,M., Hildebrandt,J., Chenot,J.F., Kochen,M.M., Basler,H.D.
	Beeinflussen latente Variablen die Beziehungen zwischen körperlicher Aktivität und Rückenschmerz?
	Schmerz 21 (2007)Suppl., 43
+Leonhardt,C.	Lehr,D., Chenot,J.F., Luckmann,J., Basler,H.D., Baum,E., Donner-Banzhoff,N., Pfingsten,M., Hildebrandt,J., Kochen,M.M., Becker,A.
	Are fear-avoidance beliefs in low back pain patients a risk factor for low physical activity or vice versa?
	GMS Psychosoc Med 6 (2009)1 – 12
+Lepin,A.L:	Mokhov,D.E., Novoseltshev,S.V.
	Osteopathic diagnosis and treatment of dorsalgia caused by disturbance of proprioception in the cervical spine
	AAO J 20 (2010)2: 19 - 24
Lepisto,P.	A comparative trial of dS 103 – 282 and placebo in the treatment of acute skeletal muscle spasms due to disorders of the back
	Ther Res 26 (1979)454 – 9 (zit. van Tulder et al., 2006b)
LeResche,L.	Epidemiologic perspectives on sex differences in pain
	In: Fillingim,R.B. (ed.)Sex, Gender and Pain. Seattle, IASP Press 2001, 233 – 49 (zit. Schneider et al., 2006)
+LeResche,L.	Mancl,L.A., Drangsholt,M.T., Saunders,K., von Korff,M.
	Relationship of pain and symptoms to pubertal development in adolescents
	Pain 118 (2005)201 – 9

- +Lesch,K.P. Meyer,J., Glatz,K., Flugge,G., Hinney,A., Hebebrand,J., Klauck,S.M., Poustka,A., Poustka,F., Bengel,D., Mössner,R., Riederer,P., Heils,A.
- The 5-HT transporter gene-linked polymorphic region (5-HTTLPR) in evolutionary perspective: alternative biallelic variation in rhesus monkeys. Rapid communication
- J Neural Transm 104 (1997)1259 – 66 (zit. Palm et al., 2008)
- +Lesho,E.P. An overwiev of osteopathic medicine
- Arch Fam Med 8 (1999)477 – 84 (Im Internet eingesehen)
- Lesich,K.P. Gene-environment interaction and the genetics of depression
- J Psychiatry Neurosci 29 (2004)174 – 84 (zit. Diatchenko et al., 2006a)
- +Lesnak,J.B. Fahlron,A., Helton,A., Rasmussen,L., Andrew,M., Cunard,S., Huey,M., Kreber,A. und weitere 5 Autoren
- Resistance training protects against muscle pain through activation of androgen receptors in male and female mice
- Pain 163 (2022)1879 – 91
doi.org/10.1097/j.pain.0000000000002638
- +Lesser,H. Sharma,U., LaMoreaux,L., Poole,R.M.
- Pregabalin relieves symptoms of painful diabetic neuropathy : a randomized controlled trial
- Neurology 63 (2004)2104 – 10
- Lethem,J. Slade,P.D, Troup,J.D.G., Bentley,G.
- Outline of a fear-avoidance model of exaggerated pain perceptions
- Behav Rest Ther 21 (1983)401 – 8
- +Letmaier,M. Schreinzer,D., Wolf,R., Kasper,S.
- Topiramate as a mood stabilizer
- Int Clin Psychopharmacol 16 (2001)295 – 8
- +Leung,A. Gregory,N.S., Allen,L.A.H., Sluka,K.A.
- Regular physical activity prevents chronic pain by altering resident muscle macrophage phenotype and increasing interleukin-10 in mice

- Pain 157 (2016)70 - 9
- +Levangie,P.K. Association between static pelvic asymmetry and low back pain
Spine 24 (1999)1234 -42
- +Levene,R. Günther,O., Rothkötter,H.J., Bitterlich,N., Buchmann,J.
Die Behandlung myofaszialer lumbaler Rückenschmerzen.
Effektive Diagnostik und Therapie
Schmerz 28 (2014)573 - 83
- +Levening,C.G. Hasenbring,M.I., Kleinert,J., Kellmann,M.
Körperbild und Rückenschmerz
Schmerz 30 (2016)437 - 43
- +Levesque,J. Eugene,F., Joannette,Y., Paquette,V., Mensour,B., Beaudoin,G.,
Leroux,J.M., Bourgouin,P., Beaugard,M.
Neural circuitry underlying voluntary suppression of sadness
Biol Psychiatry 53 (2003)502 – 10
- +Levicoff,E.A. Kim,J.S., Sobajima,S., Wallach,C.J., Larson III,J.W.,
Robbins,P.D.,Xiao,X., Juan,L., Vadala,G., Gilbertson,L.G.,
Kang,J.D.
Safety assessment of intradiscal gene therapy II: effect of
dosing and vector choice
Spine 33 (2008)1509 – 16
- +Levin,J.H. Prospective,double blind, randomized placebo-controlled
trials in interventional spine: what the highest quality
literature tells us
Spine J 9 (2009)690 - 703
- +Levin,M.E. Jin,J.G., Ji,R.R., Tong,J., Pomonis,J.D., Lavery,D.J., Miller,S.W.,
Chiang,L.W.
Complement activation in the peripheral nervous system
following the spinal nerve ligation model of neuropathic pain
Pain 137 (2008)182 - 201
- Levin,S.M. The icosahedrons as a biologic support system

- Proceedings 34th Annual Conference on Engineering in
Medicine and Biology 23 (1981)404 (zit. Swanson, 2013)
- Levin,S.M. The tensegrity-truss as a model for spine mechanic:
tensegrity
JMMB 2 (2002)375 – 88 (zit. Swanson, 2013)
- +Levine,B.A. Use of hydrotherapy in reduction of anxiety
Psychol Rep 55 (1984)526
- +Levine,J.D. Alessandri-Haber,N.
TRP channels: targets for the relief of pain
Biochim Biophys Acta 1772 (2007)989 – 1003
- +Levine,J.D. Gordon,N.C., Fields,H.L.
The mechanism of placebo analgesia
Lancet (1978)2: 654 – 7
- +Levine,J.D. Taiwo,Y.O.
Involvement of the mu-opiate receptor in peripheral
analgesia
Neurosci 32 (1989)571 – 5
- +Levine,M. Rumsey,S.C., Daruwala,S.C., Park,J.B., Wang,Y.
Criteria and recommendation for vitamin C intake
JAMA 281 (1999)1415 – 23
- Levinson,J.N. Chery,N., Huang,K., Wong,T.P., Gerrow,K., Kang,R., Prange,O.,
Wang,Y.T., El-Husseini,A.
Neuroligins mediate excitatory and inhibitory synapse
formation: involvement of PSD-95 and neuroligin 1-beta in
neuroligin-induced synaptic specificity
J Biol Chem 280 (2005)17312 – 9 (zit. Dolique et al., 2013)
- +Le Visage,C. Kim,S.W., Tateno,K. Sieber,A.N., Kostuik,J.P., Leong,K.W.
Interaction of human mesenchymal stem cells with disc cells
Spine 31 (2006a)2036 - 42
- +Le Visage,C. Yang,S.H., Kadakia,L., Sieber,A.N., Kostuik,J.P., Leong,K.W.

- Small intestinal submucosa as a potential bioscaffold for intervertebral disc regeneration
Spine 31 (2006b)2423 – 30
- +Levrاند,S. Pacher,P., Pesse,B, Rolli,J., Feihl,F., Waeber,B., Liaudet,L.
Homocysteine induces cell death in H9C2 cardiomyocytes through the generation of peroxynitrite
Biochem Biophys Res Commun 359 (2007)445 – 50
- +Levrاند,S. Vannay-Bouchiche,C., Pesse,B., Pacher,P., Feihl,F., Waeber ;B., Liaudet,L.
Peroxynitrite is a major trigger of cardiomyocyte apoptosis in vitro and in vivo
Free Radic Biol Med 41 (2006) 886 – 95
- +Levy,D. Höke,A., Zochodne,D.W.
Local expression of iNOS in an animal model of neuropathic pain
Neurosci Lett 260 (1999)207 -9
- Lew,P. Lewis,J., Story,I.
Inter-therapist reliability in locating latent myofascial trigger points using palpation
Manual Therapy 2 (1997)87 – 90 (so zit. Huguenin, 2004)
- Lewandowski Holley,A. siehe Holly,A.L.
- +Lewin,G.R. Editorial: Stretching it for pain
Pain 137 (2008)3 – 4
- +Lewin,G.R. Ritter,A.M., Mendell,L.M.
Nerve growth factor-induced hyperalgesia in the neonatal and adult rat
J Neurosci 13 (1993)2136 – 48
- +Lewin,G.R. Rueff,A., Mendell,L.M.
Peripheral and central mechanisms of NGF-induced hyperalgesia
Eur J Neurosci 6 (1994)1903 – 12

+Lewin,T.	Moffett,B., Vidik,A. The morphology of the lumbar synovial joints Acta Morphol Neerl Scand 4 (1962)299 – 319
+Lewis,J.S.	Hewitt,J.S., Billington,L., Cole,S., Byng,J., Karayiannis,S. A randomized clinical trial comparing two physiotherapy interventions for chronic low back pain Spine 30 (2005)711 – 21
+Lewis,K.	Abdi,S. Acupuncture for low back pain. A review Clin J Pain 26 (2010)60 - 9
+Lewis,K.S.	Han,N.H. Tramadol: a new centrally acting analgesic Am J Health Syst Pharm 54 (1997)643 – 52
+Lewis,R.A.	Williams,N.H., Sutton,A.J., Burton,K., Ud Din,N., Matar,H.E., Hendry,N., Phillips,C.J., Nafees,N., Fitzsimmons,D., Rickard,I., Wilkinson,C. Comparative clinical effectiveness of management strategies for sciatica: systematic review and network meta-analyses Spine J 15 (2015)1461 - 77
+Lewis,T.	Kellgren,J.H. Observations relating to referred pain, viscero-motor reflexes and other associated phenomena Clin Sci 4 (1939)47 – 71
+Lewit,K.	Beitrag zur reversiblen Gelenksblockierung Zschr Orthop Grenzgeb 105 (1968)150 - 8
+Lewit,K.	Manuelle Therapie im Rahmen der ärztlichen Rehabilitation, Barth – Verlag, Leipzig, 1973
+Lewit,K.	Muskelfazilitations- und Inhibitionstechniken in der Manuellen Medizin. Teil II: Postisometrische Muskelrelaxation Manuelle Med 19 (1981)12 - 22

- +Lewit,K. Beckenverwringung und Iliosakralblockierung
Manuelle Med 25 (1987)64 – 70
- +Lewit,K. Verschiebungen der Symphyse und der Tubera ischiadica
Manuelle Med 27 (1989)91 - 4
- +Lewit,K. Verspannung von Bauch- und Gesäßmuskulatur mit Auswirkungen auf die Körperstatik
Manuelle Med 30 (1992)75 - 8
- Lewit,K. Manipulative therapy in rehabilitation of the locomotry system, 3rd ed. Butterworth, London, 1999 (zit. Chaitow, 2006)
- +Lewit,K. Wissenschaftliches Konzept der Manuellen Medizin (Abstract)
Manuelle Med 44 (2006)323
- +Lewit,K. Das wissenschaftliche Konzept der manuellen Medizin. Punkt für Punkt
Manuelle Med 45 (2007)309 – 13
- +Lewit,K. Manuelle Medizin, 8. Aufl.
Urban & Fischer, München, 2007
- +Lewit,K. Liebenson,C.
Palpation – Problems and implications
J Manipulative Physiol Ther 16 (1993)586 - 90
- +Lewit,K. Kobesowa,A., Lepsikova,M.
Das tiefe stabilisierende Sysrem der Wirbelsäule. Seine Bedeutung für funktionelles Denken
Manuelle Med 48 (2010)440 - 6
- +Lewit,K. Olsanska,S.
Clinical importance of active scars: abnormal scars as a cause of myofascial pain
J Manipulative Physiol Ther 27 (2004)399 – 402
- +Lewit,K. Simons,D.G.
Myofascial pain: relief by post-isometric relaxation

- Arch Phys Med Rehab 65 (1984)452 - 6
- +Li,A. Kaptchuk,T.J.
- The case of acupuncture of low back pain (editorial)
- Spine 36 (2011)181-2
- +Li,C. Liu,C., Ye,C., Lian,Z.,Lu,P.
- Education, gender, and frequent pain among middle-aged and older adults in the United States, England, China and India
- Pain 166 (2025)388 – 97
doi.org/10.1097/j.pain.0000000000003349
- +Li,C.G. Liang,Q.Q., Zhou,Q., Menga,E., Cui,X.J., Shu,B., Zhou,C.J., Shi,Q., Wang,Y.J.
- A continuous observation of the degenerative process in the intervertebral disc of smad3 gene knock-out mice
- Spine 34 (2009a)1363 – 9
- +Li,G. Passias,P., Kozanek,M., Fu,E., Wang,S., Xia,Q., Li,G.,Rand,F., Wood,K.B.
- Adult scoliosis in patients over sixty-five years of age: outcomes of operative versus nonoperative treatment at a minimum two-year follow up
- Spine 24 (2009b)2165 - 70
- +Li,H. Huang,Y., Ma,C., Yu,X., Zhang,Z., Shen,L.
- MiR-203 involves in neuropathic pain development and repress Rap-1a expression in nerve growth factor differentiated neuronal pc12 cells
- Clin J Pain 31 (2015)36 - 41
- +Li,H. Liu,D., Zhao,C.Q., Jiang,L.S., Dai,L.Y.
- Insulin potentiates the proliferation and bone morphogenetic protein-2-induced osteogenic differentiation of rat spinal ligament cels via extracellular signal-regulated kinase and phoshatidylinositol 3-kinase
- Spine 33 (2008)2394 - 2402
- +Li,H. Ma,X., Wu,X., Liu,F., Yu,T., Yue,B., Xiang,H., Chen,B.

- Morphological observation of sympathetic nerve fibers in the human posterior longitudinal ligament
Spine 39 (2014a)2119 - 26
- +Li,J. Simone,D.A., Larson,A.A.
Windup leads to characteristics of central sensitisation
Pain 79 (1999)75 – 82
- +Li,J. Xu,L., Deng,X., Jiang,C., Pan,C., Chen,L., Han,Y., Dai,W., Hu,L., Zhang,G., Cheng,Z., Liu,W.
N-acetyl-cysteine attenuates neuropathic pain by suppressing matrix metalloproteases
Pain 157 (2016)1711 - 23
- Li,J. Zhang,J.H., Yi,T.,Tang,W.J., Wang,S.W., Dong,J.C.
Acupuncture treatment of chronic low back pain reverses an abnormal brain default mode network in correlation with clinical pain relief
Acupunct Med 32 (2014)102 -8
doi.org/10.1136/acupmed-2013-010423
- +Li,L. Fan,X., Warner,M., Xu,X.J., Gustafsson,J.A., Wiesenfeld-Hallin,Z.
Ablation of estrogen receptor alpha or beta eliminates sex differences in mechanical threshold in normal and inflamed mice
Pain 143 (2009)37 - 40
- +Li,L. Wang,B., Zhang,X., Hao,J.X., Vlodaysky,I., Wiesenfeld-Hallin,Z., Xu,X.J., Li,J.P.
Heparanase overexpression reduces carragenan-induced mechanical and cold hypersensitivity in mice
Neurosci Lett 511 (2012)4 – 7
- +Li,L.C. Bombardier,C.
Physical therapy management of low back pain: an exploratory survey of therapist approaches
Phys Ther 81 (2001)1018 – 28
- +Li,M.J. Liu,L.Y., Chen,L., Cai,J., Wan,Y., Xing,G.G.

- Chronic stress exacerbates neuropathic pain via the integration of stress-affect-related information with nociceptive information in the central nucleus of the amygdala
- Pain 158 (2017)717 - 39
- +Li,N. Whitaker,C., Xu,Z., Heggeness,M., Yang,S.Y.
- Therapeutic effects of naringin on degenerative human nucleus pulposus cells for discogenic low back pain
- Spine J 16 (2016b)1231 - 7
- +Li,N. Zhang,L., Shu,R., Ding,L., Wang,Z., Wang,H., Yu,Y., Wang,G.
- Involvement of CCL3/CCR5 signaling in dorsal root ganglion in remifentanyl-induced hyperalgesia in rats
- Clin J Pain 32 (2016)702 - 10
- Li,Q. Liu,P.,Wang,Z., Li,X.
- Vibration therapy to improve pain and function in patients with chronic low back pain: a systematic review and metaanalysis
- J Orthop Surg Res 18 (2023a)727 doi.org/10.1186/s13018-023-04217-2
- +Li,R. Lopez,D.A., Gupta,M., Palermo,T.M.
- Pubertal development and pain incidence and characteristics in children: a 1-year prospective cohort study of a national sample
- Pain 164 (2023)2725 – 36
doi.org/10.1097/j.pain.0000000000002969
- +Li,S. Brimmers,A., van Boekel,R.L.M., Vissers,K.C.P., Coenen,M.J.H.
- A systematic review of genome-wide association studies for pain, nociception, neuropathy, and pain treatment responses
- Pain 164 (2023)1891 – 1911
doi.org/10.1097/j.pain.0000000000002910
- +Li,T. Li,X., Huang,F., Tian,Q., Fan,Z.Y., Wu,S.
- Clinical efficacy and safety of acupuncture on low back pain: A systematic review and meta-analysis

Evid Based Complem Altern Med (2021)ID 8862399
doi.org/10.1155/2021/8862399

+Li,W.

Neugebauer,V.

Block of NMDA and non-NMDA receptor activation results in reduced background and evoked activity of amygdala neurons in a model of arthritic pain

Pain 110 (2004)112 – 22

+Li,W.

Wang,S., Kozanek,M., Wood,K., Li,G.

Lumbar facet joint motion in patients with discogenic low back pain

Proceedings of the 25th annual meeting of the North American Spine Society, Orlando, FL, 2010

Spine J 10 (2010)9S: 74S

+Li,X.

Clark,J.D.

Heme oxygenase inhibitors reduce formalin-induced Fos expression in mouse spinal cord tissue

Neurosci 105 (2001)949 – 56

+Li,X.

Clark,J.D.

Spinal cord heme oxygenase participates in glutamate-induced pain-related behaviors

Eur J Pharmacol 450 (2002)43 – 8

+Li,X.

Clarke,J.D.

Heme oxygenase type 2 participates in the development of chronic inflammatory and neuropathic pain

J Pain 4 (2003)101 – 7

+Li,X.

Leo,B.M., Beck,G., Balian,G., Anderson,D.G.

Collagen and proteoglycan abnormalities in the gdf-5 deficient mouse may be corrected by treatment of disc cells with recombinant gdf-5

Spine 29 (2004)2229 – 34

+Li,Y.

Samartzis,D., Campbell,D.D., Cherny,S.S., Cheung,K.M.C., Luk,K.D.K., Karppinen,J., Song,Y., Cheah,K.S., Chan,D., Sham,P.C.

- Two subtypes of intervertebral disc degeneration distinguished by large-scale population-based study
Spine J 16 (2016a)1079 - 89
- +Li,Y.P. Schwartz,R.J.
TNF-alpha regulates early differentiation of C2C12 myoblasts in an autocrine fashion
FASEB J 15 (2001)1413 – 5
- +Li,Z. Dullmann,J., Schiedlmeier,B., Schmidt,M., von Kalle,C., meyer,J., Forster,M., Stocking,C., Wahlers,A., Frank,O., Ostertag,W., Kühlke,K., Eckert,H.G., Fehse,B., Baum,C.
Murine leukemia induced by retroviral gene marking
Science 296 (2002)497
- +Li,Z. He,S.Q., Xu,Q., Yang,F., Tiwari,V., Liu,Q., Tang,Z., Han,L., Chu,Y.X., Wang,Y und weitere 8 Autoren
Activation of MrgC receptor inhibits N-type calcium channels in small diameter primary sensory neurons in mice
Pain 155 (2014)1613 – 21
- +Li,Z. Gu,X., Sun,L., Wu,S., Liang,L., Cao,J., Lutz,B.M., Bekker,A., Zhang,W., Tao,Y.X.
Dorsal root ganglion myeloid zinc finger protein 1 contributes to neuropathic pain after peripheral nerve trauma
Pain 156 (2015a)711 - 21
- +Li,Z. Shen,J., Wu,W.K., Yu,X., Liang,J., Qiu,G., Liu,J.
Leptin induces cyclin D1 expression and proliferation of human nucleus pulposus cells via JAK/STAT, PI3K/Akt and MEK/ERK pathways
PloS One 7 (2012)e53176
- +Li,Z. Yang,H., Liu,M., Lu,M., Chu,J., Hou,S., Hou,T.
Clinical characteristics and risk factors of recurrent lumbar disk herniation. A retrospective analysis of three hundred twenty-one cases
Spine 43 (2018)1463 - 9
- +Liabaud,B. Ralhan,P., Khanal,S., Beaufort,A., Lavian,J.D., Agarwal,S.

- Discrepancy in patient reported pain using the numeric pain scale and a percentage change to quantify treatment effectiveness after pain injections
- Proceedings of the 35th annual meeting of the North American Spine Society
- Spine J 20 (2020)Suppl.9: S 86 - 7
- Lian,J. Levine,N., Cho,W.
- A review of lumbosacral transitional vertebrae and associated vertebral numeration
- Eur Spine J 27 (2018)187 – 93 doi.org/10.1007/s00586-018-5554-8
- +Liang,H. Ma,S.Y., Feng,G., Shen,F.H., Li,X.J.
- Therapeutic effects of adenovirus-mediated growth and differentiation factor-5 in a mice disc degeneration model induced by annulus needle puncture
- Spine J 10 (2010)32 - 41
- +Liang,H.W. Hou,W.H., Chang,K.S.
- Application of the Modified Lower Extremity Functional Scale in low back pain
- Spine 38 (2013)2043 - 8
- +Liau,H.I. Ku,E., Brandt,K.D., Benson,M.D, Aldo-Benson,M.A., Waiter,S.L., Lee,W., Chan,K., Vyas,K:
- Effects of voltaren on arachidonic acid metabolism in arthritis patients
- Agents Actions 17 (1985)195 – 9
- +Licciardone,J.C. Awareness and use of osteopathic physicians in the United States: results of the Second Osteopathic Survey of Health Care in America (OSTEOSURV-II)
- J Am Osteopath Assoc 103 (2003)281 – 9
- +Licciardone,J.C. The epidemiology and medical management of low back pain during ambulatory medical care visits in the United States
- Osteopathic Med Prim Care 2 (2008)11
- +Licciardone,J.C. The unique role of osteopathic physicians in treating patients with low back pain

- J Am Osteopath Assoc 104 (2004)Suppl. 8 S13 – 8
- +Licciardone,J.C. A national study of primary care provided by osteopathic physicians
- J Am Osteopath Assoc 115 (2015)704 - 13
- +Licciardone,J.C. Impact of COVID-19 on utilisation of nonpharmacological and pharmacological treatments for chronic low back pain and clinical outcomes
- J Osteopath Med 121 (2021)625 – 33
doi.org/10.1515/jom-2020-0334
- +Licciardone,J.C. Aryal,S.
- Clinical response and relapse in patientswith chronic low back pain following osteopathic manual treatment: Results from the OSTEOPATHIC-trial
- Man Ther 19 (2014)541 - 8
- +Licciardone,J.C. Brimhall,A.K., King,L.M.
- Osteopathic manipulative treatment for low back pain: a systematic review and meta-analysis of randomized controlled trials
- BMC Musculoskeletal Disord 6 (2005)43: 1 - 12
- +Licciardone,J.C. Buchanan,S., Hensel,K.I., King,H.H., Fulda,K.G., Stoll,S.T.
- Osteopathic manipulative treatment of back pain and related symptoms during pregnancy: a randomized controlled trial
- Am J Obstet Gynecol 202 (2009)43 - 8
- (+)Licciardone,J.C. Gatchel,R.J.
- Osteopathic medical care with and without osteopaathic manipulative treatment in patients with chronic low back pain: a pain registry-based study
- J Am Osteopath Ass 120 (2020)64 – 73
doi.org/10.7556/jaoa.2020.016
- +Licciardone,J.C. Gatchel,R.J., Aryal,S.
- Recovery from chronic low back pain after osteopathic manipulative treatment: a randomized controlled trial
- J Am Osteo Ass 116 (2016)144 - 55

+Licciardone,J.C.	Herron,K.M. Characteristics, satisfaction, and perceptions of patients receiving ambulatory healthcare from osteopathic physicians: a comparative national survey JAOA 101 (2001)374 - 85
+Licciardone,J.C.	Kearns,C.M., Crow,W.T. Changes in biomechanical dysfunction and low back pain reduction with osteopathic manual treatment: results from the OSTEOPATHIC Trial Man Ther 19 (2014a)324 -30
+Licciardone,J.C.	Kellerlee,J., Joseph,M., Mohammad,M.B., Kim,K.G., Jain,J., Aryal,S. The process and outcomes of chronic low back pain treatment provided by osteopathic and allopathic physicians: a retrospective cohort study J Osteopath Med (2023a) online May 25, 2023; doi.org/10.1515/jom-2023-0046
(-) Licciardone,J.C.	King,H.H., Hensel,K.L., Williams,D.G. Osteopathic health outcomes in chronic low back pain: the OSTEOPATHIC trial Osteopath Med Prim Care 2 (2008)5, doi: 10.1186/1750-4732-2-5
Licciardone,J.C.	Middleton,C.N., Aboutaj,A., Allouche,T., Siddiqui,I. Communication and empathy within the patient-physician relationship among patients with and without chronic pain J Osteopath Med 125 (2024a)79 – 86 doi.org/10.1515/jom-2024-0112
+Licciardone,J.C.	Minotti,D.E., Gatchel,R.J., Kearns,C.M., Singh,K.P. Osteopathic manual treatment and ultrasound therapy for chronic low back pain: a randomized controlled trial Ann Fam Med 11 (2013)122 - 9
+Licciardone,J.C.	Moore,S., Fix,K., Blair,L.G., Ta,K.

	Osteopathic manipulative treatment of patients with chronic low back pain in the United States: a retrospective cohort study J Osteopath Med (2023)online Feb.3, doi.org/10.1515/jom-2022-0212
(-)Licciardone,J.C.	Pandya,V. Use of complementary health approaches for chronic low-back pain: A pain research registry-based study J Altern Complement Med online 11.03.2020; doi.org/10.1089/acm.2019.0448
+Licciardone,J.C.	Stoll,S.T., Fulda,K.G., Russo,D.P., Siu,J., Winn,W., Swift,J. Osteopathic manipulative treatment for chronic low back pain. A randomized controlled trial Spine 28 (2003)1355 – 62
(-)Licciardone,J.C.	Subash,A. Clinical response and relapse in patients with chronic low back pain following osteopathic manual treatment: results from the OSTEOPATHIC Trial Man Ther 19 (2014)541 – 8 (Manuelle Med 3/2014)
Licciardone,J.C.	Tran,Y., Ngo,K., Toledo,D., Peddireddy,N., Aryal,S. Physicians empathy and chronic pain outcomes JAMA Netw Open 7 (2024)e246026 doi.org/10.1001/jamanetworkopen.2024.6026
+Licht,G.	Müller-Ehrenberg,H., Mathis,J., Berg,G., Greitemann Untersuchung myofaszialer Triggerpunkte ist zuverlässig: Intertester – Reliabilität an insgesamt 304 Muskeln überprüft Manuelle Med 45 (2007)402 - 8
+Lichtman,A.H.	Chapman,V. A FAAH-fecht approach to treat osteoarthritis pain (commentary) Pain 152 (2011)959 - 60
Lichtman,A.H.	Cook,S.A., Martin,B.R.

- Investigation of brain sites mediating cannabinoid-induced antinociception in rats: evidence supporting periaqueductal grey involvement
- J Pharmacol Exp Ther 276 (1996)585 – 93 (zit. Sirucek et al., 2023)
- +Lidar,Z. Behrbalk,E., Regev,G.J., Salame,K., Keynan,O., Schweiger,C., Appelbaum,L., Levy,Y., Keidar,A.
- Intervertebral disc height changes after weight reduction in morbidly obese patients and its effect on quality of life and radicular and low back pain
- Spine 37 (2012)1947 - 52
- +Liddle,S.D. Baxter,G.D., Gracey,J.H.
- Exercise and chronic low back pain: what works?
- Pain 107 (2004)176 – 190
- +Liddle,S.D. Gracey,J.H., Baxter,G.D.
- Advice for the management of low back pain: a systemic review of randomized controlled trials
- Man Ther 12 (2007)310 – 27
- +Lidström,A. Zacharisson,M.
- Physical therapy on low back pain and sciatica
- Scand J Rehabil Med 2 (1970)37 – 42
- +Lieb,K. Herpfer,I., Fiebich,B.L., Berger,M.
- Substanz P und Substanz P – Rezeptorantagonisten in der Pathogenese und Therapie affektiver Störungen
- Nevenheilkd 21 (2002)493 - 6
- +Liebano,R.E. Rakel,B., Vance,C.G.T., Walsh,D.M., Sluka,K.A.
- An investigation of the development of analgesic tolerance to TENS in humans
- Pain 152 (2011)335 - 42
- +Liebenson,C. Yeoman,S.
- Outcome assessment in musculoskeletal medicine
- Man Ther 2 (1997)67 – 74

- +Liebetrau,A. Puta,C., Schinowski,D., Wulf,T., Wagner,H.
Besteht ein Zusammenhang zwischen Rückenschmerz und der Stabilität der lumbalen Wirbelsäule in der Schwangerschaft? Eine modellbasierte Hypothese
Manuelle Med 50 (2012)132 - 40
- Liebetrau,A. Wagner,H., Puta,C. et al.
Ansätze zur modellbasierten Präventionsdiagnostik des unspezifischen chronischen Rückenschmerzes
In: Grieshaber,R., Schneider,W., Scholle,H.C. (Hrsg.) Prävention von arbeitsbedingten Gesundheitsgefahren und Erkrankungen. Kongressband 13. Erfurter Tage; Monade (2007, in Druck), Leipzig (zit. Wagner et al., 2009)
- +Liebscher,T. Haefeli,M., Würtz,K., Nerlich,A.G., Boos,N.
Age-related variation in cell density of human lumbar intervertebral disc
Spine 36 (2011)153 – 9
- +Liechty,A. Tsang,S., Turkheimer,E., Duncan,G.E.
Association between low back pain and body mass index in adult twins : an analysis of monozygotic and dizygotic twins of the Washington State Twin Registry
Spine J 20 (2020)1805 – 15
doi.org/10.1016/j.spinee.2020.06.017
- +Liedler,M. Woisetschläger,G.
Influence of postoperative adhesions after ceasarian section on chronic lower back pain – A pilot study of osteopathic manipulative treatment
Eur J Osteopathic Res 1 (2019)1 : 38 – 46
doi.org/10.35740/EJOR.2019.1.1.5
- Lier,R. et al. Neck/upper back and low back pain in parents
Eur J Pain 19 (2015)762 – 71 (Pr-dep 12/15) - nur noch online -
- +Lievens,J.C. Bernal,F., Forni,C., Mahy,N., Kerkerian-Le Goff,L.

- Characterisation of striatal lesions produced by glutamate uptake alteration: cell death, reactive gliosis, and changes in GLT1 and GADD45 mRNA expression
Glia 29 (2000)222 - 32
- +Lievre,J.A. Bloch,M.H., Pean,G., Uno,J
L'hydrocortisone en injection local
Rev Rhum Mal Osteoartic 20 (1953)310 – 1
- +Liira,J.P. Shannon,H.S., Chambers,L.W., Haines,T.A.
Long-term back problems and physical work exposures in the 1990 ontario Health Survey
Am J Public Health 86 (1996)382 – 7
- +Likar, R. Mousa,S.A., Philippitsch,G., Steinkellner,H., Koppert,W., Stein,C., Schäfer,M.
Increased numbers of opioid expressing inflammatory cells do not affect intraarticular morphine analgesia
Br J Anaesth 93 (2004)375 - 80
- +Likar,R., Mousa,S.A., Steinkellner,H., Koppert,W., Philippitsch,G. et al.
Involvement of intra-articular corticotropin-releasing hormone in postoperative pain modulation
Clin J Pain 23 (2007)136 – 42
- +Likar,R. Perruchoud,C., Kampusch,S., Köstenberger,M., Sator,S., Stremnitzer,C., Wolf,A., Neuwersch-SommereggerS.
Klinische Wirksamkeit der aurikulären Vagusnervstimulation in der Behandlung chronischer und akuter Schmerzen
Schmerz 38 (2024)267 – 78 doi.org/10.1007/s00482-022-00686-2
- +Liliang,P.C. Lu,K., Liang,C.L., Tsai,Y.D., Wang,K.W., Chen,H.J.
Sacroiliac joint pain after lumbar and lumbosacral fusion: findings using dual sacroiliac provocation blocks
Pain Med 12 (2011)565 – 70
- +Liliang,P.C. Lu,K., Weng,H.C., Liang,C.L., Tsai,Y.D., Chen,H.J.

- The therapeutic efficacy of sacroiliac joint blocks with triamcinolone acetonide in the treatment of sacroiliac joint dysfunction without spondyloarthropathy
- Spine 34 (2009)896 - 900
- Lilius,C. et al. Chronic unilateral low back pain. Predictors of outcome of facet joint injections
- Spine 15 (1990)780 – 2 (zit. AMK, 2007)
- +Lilius,G. Laasonen,E.M., Myllynen,P., Harilainen,A., Grönlund,G.
- Lumbar facet joint syndrome. A randomized clinical trial
- J Bone Joint Surg Br 71 (1989)681 – 4
- +Lilje,S. Friberg,H., Wykman,A., Skillgate,E.
- Naprapathic manual therapy or conventional orthopedic care for outpatients on orthopedic waiting list ?. A pragmatic randomized controlled trial
- Clin J Pain 26 (2010)602 - 10
- Liljencrantz,J. Olausson,H.
- Tactile C fibers and their contributions to pleasant sensations and to tactile allodynia
- Front Behav Neurosci 8 (2014)37
doi.org/10.3389/fnbeh.2014.00037
- +Lim,H. Lee,H., Noh,K., Lee,S.J.
- IKK/NF-kappa B-dependent satellite glia cell activation induces spinal cord microglia activation and neuropathic pain after nerve injury
- Pain 158 (2017)1666 - 77
- +Lim,K.L. Jacobs,P., Klarenbach,S.
- A population-based analysis of healthcare utilisation of persons with back disorders: results from the Canadian Community Health Survey 2000 – 2001
- Spine 31 (2006)212 – 8
- +Lim,T.K.Y. Shi,X.Q., Martin,H.C., Huang,H., Luheshi,G., Rivest,S., Zhang,J.

- Blood-nerve barrier dysfunction contributes to the generation of neuropathic pain and allows targeting of injured nerves for pain
- Pain 155 (2014)954 - 67
- Lim,Y.Z. Chou,L., Au,R.T., Senevickrama,K.L.M.D., Ciccutini,F.M., Briggs,A.M., Sullivan,K., Urquhart,D.M. Wluka,A.E.
- People with low back pain want clear, consistent and personalised information on prognosis, treatment options and self-management strategies: a systematic review
- J Physiother 65 (2019)124 – 35
doi.org/10.1016/j.jphys.2019.05.010 (zit. Roesner et al., 2022)
- +Lim,Y.Z. Wang,Y., Ciccutini,F.M., Hughes,H.J., Chou,L., Urquhart,D.M., Ong,P.X., Hussain,S.M.
- Association between inflammatory biomarkers and nonspecific low back pain. A systematic review
- Clin J Pain 36 (2020)379 - 89
- (-)Lima,C.R. Sozio,R.S., Law,A.C., Nelson,A.J., Singh,H., Hurt,C.P., Li,P., Reed,W.R.
- Effects of thrust magnitude and duration on immediate postspinal manipulation trunk muscle spindle responses
- J Manipul Phys Ther (2021) pub. 5.6.2021,
doi.org/10.1016/j.jmpt.2021.03.004
- +Lima,L.V. De Santana,J.M., Rasmussen,L.A., Sluka,K.A.
- Short-duration physical activity prevents the development of activity-induced hyperalgesia through opioid and serotonergic mechanisms
- Pain 158 (2017)1697 - 1710
- +Lin,C.H. Lane,H.Y., Chen,C.C., Jou,S.H.H., Yen,C.F.
- Pain has a strong negative impact on the fluoxetine responses in hospitalized patients with major depressive disorder
- Clin J Pain 27 (2011a)805 - 10
- +Lin,C.W.C. Haas,M., Maher,C.G., Machado,L.A.C., van Tulder,M.W.

- Cost-effectiveness of general practice care for low back pain: a systemic review
- Eur Spine J 20 (2011b)1012 - 23
- +Lin,C.W.C. McAuley,J.H., Macedo,L., Barnett,D.C., Smeets,R.J., Verbunt,J.A.
- Relationship between physical activity and disability in low back pain: A systematic review and meta-analysis
- Pain 152 (2011)607 - 13
- +Lin,H.J. Lin,L.C., Hedman,T.P., Chen,W.P., Chuang,S.Y.
- Exogenous crosslinking restores intradiscal pressure of injured porcine intervertebral discs. An in vivo examination using quantitative discomanometry.
- Spine 40 (2015)1572 - 7
- +Lin,J. Paganini,S., Sander,L., Lücking,M., Ebert,D.D., Buhmann,M., Andresson,G., Baumeister,H.
- Internetbasierte Intervention bei chronischen Schmerzen. Eine dreiarmlige, randomisierte kontrollierte Studie zur Wirksamkeit einer begleiteten und unbegleiteten Akzeptanz- und Commitment- Therapie
- Dt Ärztebl 114 (2017)681 - 8
- +Lin,Q. Sensitisation of primate spinothalamic tract neurons
- J Neurosci 16 (1996)3026 – 34
- +Lin,Q. Palecek,J., Paleckova,V., Peng,Y.B., Wu,J., Cui,M., Willis,W.D.
- Nitric oxide mediates the central sensitization of primate spinothalamic tract neurons
- J Neurophysiol 81 (1999)1075 – 81
- +Lin,Q. Wu,J., Willis,W.D.
- Effects of protein kinase A activation on the responses of primate spinothalamic tract neurons
- J Neurophysiol 88 (2002)214 – 21
- +Lin,R.M. Jou,R.M., Yu,C.Y.
- Lumbar lordosis: normal adults

- J Formos Med Assoc 91 (1992)329 – 33
- +Lin,Y.H. Sun,M.H.
- The effect of lifting and lowering an external load on repositioning error of trunk flexion-extension in subjects with and without low back pain
- Clin Rehabil 20 (2006)603 – 8
- +Linares,O.A. Schiesser,W.E., Daly,A.
- Organ-specific microcirculatory mass transport of oxycodone in humans. Clinical implications and therapeutic use
- Clin J Pain 31 (2015)206 - 13
- +Lindahl,O. Hyperalgesia of the lumbar nerve roots in sciatica
- Acta Orthop Scand 37 (1966)367 – 74
- +Linde,K. Witt,C.M., Streng,A., Weidenhammer,W., Wagenpfeil,S., Brinkhaus,B., Willich,S.N., Melchart,D.
- The impact of patient expectations on outcomes in four randomized controlled trials of acupuncture in patients with chronic pain
- Pain 128 (2007)264 - 71
- +Lindena,G. Marnitz,U., Hartmann,P., Müller,G.
- „Rücken-Coach“. Ein Projekt für Patienten mit Rückenschmerzen
- Schmerz 26 (2012)677 - 84
- +Lindena,G. Schmidt,C.O., Pfingsten,M., Kohlmann,T.R.
- Screeninginstrumente im Vergleich – Ergebnisse einer Längsschnittstudie (Abstract)
- Schmerz 23 (2009)Suppl.1: 31 - 2
- +Lindequist,S.L. Lundberg,B., Wikmark,R., Bergstadt,B., Loof,G., Ottermark,A.C.
- Information and regime at low-back pain
- Scand J Rehabil Med 16 (1984)113 – 6
- Lindgren,K.A. Sihvonen,T., Leino,E., Pitkanen,M., Manninen,H.

- Exercise therapy effects on functional radiographic findings and segmental electromyographic activity in lumbar spine instability
- Arch Phys Med Rehabil 74 (1993)933 – 9
- +Lindia,J.A. Köhler,M.G., Martin,W.J., Abbadie,C.
- Relationship between sodium channel NaV1.3 expression and neuropathic pain behavior in rats
- Pain 117 (2005)145 - 53
- +Lindman,R. Hagberg,M., Angqvist,K.A., Soderlund,K., Hultman,E., Thornell,L.E.
- Changes in muscle morphology in chronic trapezius myalgia
- Scand J Work Environ Health 17 (1991)347 – 55
- +Lindsay,D.M. Horton,J.F.
- Comparison of spine motion in elite golfers with and without low back pain
- J Sport Sci 20 (2002)599 – 605
- +Lindsay,S.E. Philipp,T., Ryu,W.H.A., Wright,C., Yoo,J.
- Nonsteroidal anti-inflammatory drugs in the acute post-operative period are associated with an increased incidence of pseudarthrosis, hardware failure, and revision surgery following single-level spinal fusion
- Spine 48 (2023)1057 – 63
doi.org/10.1097/BRS.0000000000004695
- +Lindström,I. Öhlund,C., Eek,C., Wallin,L., Peterson,L.E., Fordyce,W.E.
- The effect of graded activity on patients with subacute low back pain: a randomized prospective clinical study with an operant-conditioning behavioural approach
- Phys Ther 72 (1992)279 – 93
- +Lindström,I. Öhlund,C., Eek,C., Wallin,I., Peterson,L.E., Nachemson,A.
- Mobility, strength, and fitness after a graded activity program for patients with subacute low back pain. A randomized prospective clinical study with a behavioral therapy approach
- Spine 17 (1992)641 – 52

- +Lindström,L. Magnusson,R., Petersen,I.
Muscle load influence on myo-electric signal characteristics
Scand J Rehab Med (1974) Suppl 3: 127 – 48
- +Linek,P. Saulicz,E., Wolny,T., Mysliwiec,A., Kokosz,M.
Lateral abdominal muscle size at rest and during abdominal drawing-in manoeuvre in healthy adolescents
Man Ther 20 (2015)117 – 23
- Ling,L. Nourcombe,V., Cool,S.M.
Wnt signaling controls the fate of mesenchymal stem cells
Gene 433 (2009)1 – 7 (zit. Shin et al., 2023)
- (+)Lingner,H. Blasé,L., Großhennig,A., Schmiemann,G.
Manual therapy applied by general practitioners for nonspecific low back pain: results of the Man Rück pilotstudy
Chiropract Man Ther 26 (2018)39 doi.org/10.1186/s12998-018-0202-2
- +Linley,S.E. Mastropolo,R., Lawrence,J.P.,Glennon,J., di Risio,D.J., Roberts,T.T., Ledet,E.H.
Forced convection enhances net transport to the intervertebral disc in vivo
Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
Spine J 12 (2012)Suppl.9:70
- +Linley,S.E. Peterson,J., Mastropolo,R., Roberts,T.T., Lopes,L., Lawrence,J.P., Lotz,J.C., Ledet,E.H.,
Factors affecting small molecule trans-endplate transport into the vertebral disc in vivo
Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;
Spine J 13 (2013) Suppl 9S:49S
- +Linley,S.E. Peterson,J., Mastropolo,R., Roberts,T.T., Frank,S., Gkennon,J., Lawrence,J.P., Ledet,E.H.

- Net transport in the intervertebral disc is dependent on the mechanical loading rate
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Louisiana, October 9 – 12, 2013;
- Spine J 13 (2013a) Suppl 9S: 55S
- +Linnman,C. New pieces for the substance P puzzle (Commentary)
- Pain 154 (2013)966 - 7
- +Linnman,C. Appel,L., Furmark,T., Söderlund,A., Gordh,T., Langström,B., Fredrikson,M.
- Ventromedial prefrontal neurokinin 1 receptor availability is reduced in chronic pain
- Pain 149 (2010)64 - 70
- +Linnstaedt,S.D. Walker,M.G., Riker,K.D., Nyland,J.E., Hu,J.M.,Rossi,C., Swor,R.A., Jones,J.S., Diatchenko,L., Bortsov,A.V., Peak,D.A., McLean,S.A.
- Genetic variant rs3750625 in the 3'UTR of ADRA2A affects stress-dependent acute pain severity after trauma and alters a microRNA-34a regulatory site
- Pain 158 (2017)230 - 9
- +Linton,S.J. The relationship between activity and chronic back pain
- Pain 21 (1985)289 – 94
- Linton,S.J. Örebro Musculoskeletal Pain Screening Questionnaire
- Hallsberg, Sweden: Närke tryck AB; 1999 (zit Nordeman et al., 2006)
- +Linton,S.J. The socio-economic impact of chronic back pain: is anyone benefiting?
- Pain 75 (1998)163 – 8
- +Linton,S.J. A review of psychological risk factors in back and neck pain
- Spine 25 (2000)1148 – 56
- +Linton,S.J. Occupational psychological factors increase the risk for back pain
- J Occup Rehabil 11 (2001)53-66

- +Linton,S.J. Early identification and intervention in the prevention of musculoskeletal pain
Am J Ind Med 41 (2000)433 – 42
- +Linton,S.J. Do psychological factors increase the risk for back pain in the general population in both a cross-sectional and prospective analysis?
Eur J Pain 9 (2005)355 - 61
- +Linton,S.J. Andersson,T.
Can chronic disability be prevented? A randomized trial of a cognitive-behavior intervention and two forms of information for persons with spinal pain
Spine 25 (2000)2825 – 31
- +Linton,S.J. Boersma,K.
Early identification of patients at risk of developing a persistent back problem: the validity of the Orebro musculoskeletal pain questionnaire
Clin J Pain 19 (2003)80 – 6
- +Linton,S.J. Boersma.K., Jansson,M., Overmeer,T., Lindblom,K., Vlaeyen,J.W.S.
A randomized controlled trial of exposure in vivo for patients with spinal pain reporting fear of work-related activities
Eur J Pain 12 (2008)722 - 30
- Linton,S.J. Boersma,K., Traczyk,M., Shaw,W., Nicholas,M.
Early workplace communication and problem solving to prevent back disability : results of a randomized controlled trial among high risk workers and their supervisors
J Occup Rehabil 26 (2016)150 – 9 (zit. Nicholas, 2022a)
- +Linton,S.J. Bradley,L.A., Jensen,I., Sprangfort,E., Sundell,L.
The secondary prevention of low back pain: a controlled study with follow up
Pain 36 (1989)197 – 207
- +Linton,S.J. Buer,N.

- Working despite pain: factors associated with work attendance versus dysfunction
- Int J Behav Med 2 (1995)252 -62
- +Linton,S.J. Hallden,K.
- Can we screen for problematic back pain? A screening questionnaire for predicting outcome in acute and subacute back pain
- Clin J Pain 14 (1998)209 – 15
- +Linton,S.J. Hellsing,A.L., Andersson,D.
- A controlled study of the effects of an early intervention on acute musculoskeletal pain problems
- Pain 54 (1993)353 – 9
- +Linton,S.J. Hellsing,A.L., Hallden,K.
- A population based study of spinal pain among 35 – 45 year old individuals: prevalence, sick leave and health care use
- Spine 23 (1998)1457-63
- +Linton,S.J. Nicholas,M., MacDonald,S.
- Development of a short form of the Örebro Musculoskeletal Pain Screening Questionnaire
- Spine 36 (2011)1891 - 5
- +Linton,S.J. Overmeer,T., Janson,M., Vlaeyen,J.W.S., de Jong,J.R.
- Graded in vivo exposure treatment for fear-avoidant pain patients with functional disability: a case study
- Cogn Behav Ther 31 (2002)41 – 58
- +Linton,S.J. van Tulder,M.W.
- Preventive interventions for back and neck pain
- Spine 26 (2001)778 – 87
- +Liou,J.T. Lee,C.M., Lin,Y.C., Chen,C.Y., Liao,C.C., Lee,H.C., Day,Y.J.
- P-selectin is required for neutrophils and macrophage infiltration into injured site and contributes to generation of behavioural hypersensitivity following peripheral nerve injury in mice

- Pain 154 (2013)2150 - 9
- +Liou,J.T. Yuan,J.T., Mao,C.C., Lai,Y.S., Day,Y.J.
- Absence of C-C motif chemokine ligand 5 in mice leads to decreased local macrophage recruitment and behavioural hypersensitivity in a murine neuropathic pain model
- Pain 153 (2012)1283 - 91
- +Lipowski,Z. Review of consultation psychiatry and psychosomatic medicine III. Theoretical issues
- Psychosom Med 30 (1968)394 – 422
- +Lipowski,Z.J. Somatization: the concept and its clinical application
- Am J Psychiatry 145 (1988)1358 – 66
- Lipson,S.J. Muir,H.
- 1980 Volvo award in basic science: proteoglycans in experimental intervertebral disc degeneration
- Spine 6 (1981)194 – 210 (zit. Solovieva et al., 2007)
- +Lipton,J.A. The use of orthotics in the reduction of self-reported pain scores in a veteran affairs population: a retrospective study
- AAO J 23 (2013)3: 9 - 13
- Lipton,J.A. Brooks,J.S., Hickey,M.J., Eggleston,M.T., Gommer,C.H.
- Lift treatment in naval specialist warfare (NSW) personnel: a retrospective study
- JAAO 10 (2000)31 – 6 (zit. Lipton & Carter, 2008)
- +Lipton,J.A. Carter,L.
- Improvement of L4 – L5 disc positioning following treatment with orthotics used to correct gait dysfunction and level the sacral base
- AAO J 18 (2008)3:21 – 3
- +Lipton,J.A. Flowers-Johnson,J., Bunnell,M.T., Carter,L.
- The use of heel lifts and custom orthotics in reducing self-reported chronic musculoskeletal pain scores
- AAO J 19 (2009)1:15 - 20

- +Lisi,A.J. Salsbury,S.A., Hawk,C., Vining,R.D., Wallace,R.B., Branson,R., Long,C.R., Burgo-Black,A.L., Goerts,C.M.
- Chiropractic integrated care pathway for low back pain in veterans: results of a Delphi consensus process
- J Manipul Physiol Ther 41 (2018)137 – 48
doi.org/10.1016/j.jmpt.2017.10.001
- +Lithfuos,S. Despres,O., Pebayle,T., Dufour,A.
- Modification of descending analgesia in aging. Critical role of the prefrontal cortex
- Clin J Pain 35 (2019)23 - 30
- Little,B.B. Medication during pregnancy
- In: James,D.K., Steer,P.J., Weiner,C.P., Gonik,B. eds. High Risk Pregnancy Management Options, 2nd ed., Edinburgh,U.K., Harcourt Publishers (2000):630
- (zit. Vermani et al., 2010)
- +Little,J.W. Cuzzocrea,S., Bryant,L., Esposito,E., Doyle,T., Rausaria,S., Neumann,W.L., Salvemini,D.
- Spinal mitochondrial-derived peroxynitrite enhances neuroimmune activation during morphine hyperalgesia and antinociceptive tolerance
- Pain 154 (2013)978 - 86
- +Little,P. Smith,L., Cantrell,T., Chapman,J., Langridge;j., Pickering,R.
- General practitioners' management of acute back pain: a survey of reported practice compared with clinical guidelines
- Br Med J 312 (1996)485 – 8
- +Little,P. Lewith,G., Webley,F., Evans,M., Beattie,A., Middleton,K., Barnett,J., Ballard,K., Oxford,F., Smith,P., Yardley,L., Hollinghurst,S., Sharp,D.
- Randomized controlled trial of Alexander technique lessons, exercise and massage (ATEAM) for chronic and recurrent pain
- BMJ 337 (2008)438 - 41
- +Liu,B. Fan,L., Balakrishna,S., Sui,A., Morris,J.B., Jordt,S.E.
- TRPM8 is the principal mediator of menthol-induced analgesia of acute and inflammatory pain

- Pain 154 (2013a)2169 - 77
- +Liu,B. Li,H., Brull,S.J., Zhang,J.M.
- Increased sensitivity of sensory neurons to tumor necrosis factor alpha in rats with chronic compression of the lumbar ganglia
- J Neurophysiol 88 (2002)1393 -9
- +Liu,B.G. Dobretsov,M., Stimers,J.R., Zhang,J.M.
- Tumor necrosis factor-alpha suppresses activation of sustained potassium currents in rat small diameter sensory neurons
- Open Pain J 1 (2008)1- 7
- +Liu,C. Cai,H.X., Zhang,J.F., Ma,J.J., Lu,Y.J., Fan,S.W.
- Quantitative estimation of the high-intensity zone in the lumbar spine: comparison between the symptomatic and asymptomatic population
- Spine J 14 (2014)391 - 6
- +Liu,C. Yang,H., Gao,F., Li,X., An,Y., Wang,J., Jin,A.
- Resistin promotes intervertebral disc degeneration by upregulation of ADAMTS-5 through p38 MAPK signaling pathway
- Spine 41 (2016a)1414 - 20
- +Liu,C.C. Ohara,S., Franaczcuk,P.J., Crone,N.E., Lenz,F.A.
- Attention to painful cutaneous laser stimuli evokes directed functional interactions between human sensory and modulatory pain-related cortical areas
- Pain 152 (2011)2781 - 91
- +Liu,C.N. Michaelis,M., Amir,R., Devor,M
- Spinal nerve injury enhances subthreshold membrane potential oscillations in DRG neurons: relation to neuropathic pain
- J Neurophysiol 84 (2000)205 – 15
- +Liu,F.Y. Sun,Y.N., Wang,F.T., Li,Q., Su,L., Zhao,Z.F., Meng,X.L., Zhao,H., Wu,X., Sun,Q., Xing,G.G., Wan,Y.

- Activation of satellite glia cells in lumbar dorsal root ganglia contributes to neuropathic pain after spinal nerve ligation
- Brain Res 1427 (2012b)65 – 77
- +Liu,G.Z. Ishihara,H., Osada,R., Kimura,T., Tsuji,H.
- Nitric oxide mediates the change of proteoglycan synthesis in the human lumbar intervertebral disc in response to hydrostatic pressure
- Spine 26 (2001)134 – 41
- Liu,H.X. Brumovsky,P., Schmidt,R., Brown,W., Payza,K., Hodzic,L. et al.
- Receptor subtype-specific pronociceptive and analgesic actions of galanin in the spinal cord: selective actions via GalR1 and GalR2 receptors
- Proc Natl Acad Sci USA 98 (2001)9960 – 4 (zit. Alier et al., 2008)
- +Liu,J. Ebraheim,N.A., Sanford,C.G., Patil,V., Elsamaloty,H., Treuhaft,K., Farrell,S.
- Quantitative changes in the cervical neural foramen resulting from axial traction: in vivo imaging study
- Spine J 8 (2008)619 - 23
- +Liu,J. Sekiya,I., Asai,K., Tada,T., Kato,T., Matsui,N,
- Biosynthetic response of cultured articular chondrocytes to mechanical vibration
- Res Exp Med (Berl) 200 (2001)183 – 93
- +Liu,J. Schrank,B., Waterston,R.H.
- Interaction between a putative mechanosensory membrane channel and a collagen
- Science 273 (1996)361 – 4
- +Liu,K. Zhang,Q., Chen,L., Zhang,H., Xu,X., Yuan,Z., Dong,J.
- Efficacy and safety of extracorporeal shockwave therapy in chronic low back pain: a systematic review and meta-analysis of 632 patients
- J Orthop Surg Res 18 (2023)455 doi.org/10.1186/s13018-03943-x

- +Liu,M. Oh,U.,Wood,J.N.
From transduction to pain sensation: Defining genes, cells, and circuits
Pain 152 (2011)S16 – S19
- +Liu,Q. Jin,L., Mahon,B.H., Chordia,M.D., Shen,F.H., Li,X.
Novel treatment of neuroinflammation against low back pain by soluble fullerol nanoparticles
Spine 38 (2013)1443 - 51
- +Liu,Q. Jin,L., Shen,F.H., Balian,G., Li,X.J.
Fullerol nanoparticles suppress inflammatory response and adipogenesis of vertebral bone marrow stromal cells – a potential novel treatment for intervertebral disc degeneration
Spine J 13 (2013b)1571 - 80
- +Liu,Q.R. Pan,G.H., Hishimoto,A., Li,C.Y., Xi,Z.K., Llorente-Berzal,A.,Viveros,M.P., Ischiguro,H., Arinami,T.,, Onaivi,E.S., Uhl,G.R.
Species differences in cannabinoid receptor 2 (CNR2 gene): identification of novel human and rodent CB2 isoforms, differential tissue expression and regulation bei cannabinoid receptoligands
Genes Brain Behav 8 (2009)519 – 13
- +Liu,S. Shi,Q., Da,W.W., Xue,C.C., Chen,L., Li,Y.N., Xue,Y.P., Du,W.L., Li,X.F.
Association between paraspinal muscle parameters and single-segment degenerative lumbar sspondylolisthesis
Spine 50 (2025)841 – 8
doi.org/10.1097/BRS.0000000000005140
- +Liu,T. Gao,X.Y., Ji,R.R.
Emerging role of toll-like receptors in the control of pain and itch
Neurosci Bull 28 (2012a)131 – 44
- +Liu,W. Liu,D., Zheng,J., Shi,P., Chou,P.H., Oh,C., Chen,D., An,H.S., Chee,A.

- Annulus fibrosus cells express and utilize C-C chemokine receptor 5 (CCR5) for migration
Spine J 17 (2017)720 - 6
- +Liu,X. Liu,B.L., Yang,Q., Zhou,X., Tang,S.J.
Microglial ablation does not affect opioid-induced hyperalgesia in rodents
Pain 163 (2022)508 – 17
doi.org/10.1097/j.pain.0000000000002376
- +Liu,X. Liu,H., Xu,S., Tang,Z., Xia,W., Cheng,Z., Li,W., Jin,Y.
Spinal translocator protein alleviates chronic neuropathic pain behavior and modulates spinal astrocyte-neuronal function in rats with L5 spinal nerve ligation model
Pain 157 (2016)103 - 16
- +Liu,X. Wang,L., Stallones,L., Wheeler,K.K., Zhao,W., Smith,G.A., Xiang,H.
Back pain among farmers in northern area of China
Spine 37 (2012)508 - 14
- +Liu,X. Zhao,X., Long,Y., Huang,K., Xie,D., Wang,F., Chen,G., Yuan,Z., Wang,J.
Facet sagittal orientation. Possible role in the pathology of degenerative lumbar spinal stenosis
Spine 43 (2018)955 - 8
- +Liu,X.G. Sandkühler,J.
Characterisation of long-term potentiation of C-fiber-evoked potentials in spinal dorsal horn of adult rat: essential role of NK1 and NK2 receptors
J Neurophysiol 78 (1997)1973 – 82
- +Liu,X.Y. Salter,M.V.
Purins and pain mechanisms: recent developments
Curr Opin Investig Drugs 6 (2005)65 – 7
- +Liu,Y. Obata,K., Yamanaka,H., Dai,Y., Fukuoka,T., Tokunaga,K., Noguchi,K.

- Activation of extracellular signal-regulated protein kinase in dorsal horn neurons in the rat neuropathic intermittent claudication model
- Pain 109 (2004)64 - 72
- +Liu,Y.G. Wang,W.S.
- Human mu-opioid receptor gene A118G polymorphism predicts the efficacy of tramadol/acetaminophen combination tablets (ultracet) in oxaliplatin-induced painful neuropathy
- Cancer 118 (2012)1718 – 25
- +Liuke,M. Solovieva,S., Lamminen,A., Luoma,K., Leino-Aras,P., Luukkonen,R., Riihimäki,H.
- Disc degeneration of the lumbar spine in relation to overweight
- Int J Obes (Lond) 29 (2005)903 – 8
- +Liuzzo,J.P. Petanceska,S.S., Devi,L.A.
- Neurotrophic factors regulate cathepsin S in macrophages and microglia: a role in degradation of myelin basic protein and amyloid beta peptide
- Mol Med 5 (1999)334 – 43
- +Lively,M. Sports medicine approach to low back pain
- South Med J 95 (2002)642 – 6
- +Livshits,G. Popham,M., Malkin,I., Sambrook,P.N., MacGregor,A.J., Spector,T., Williams,F.M.K.
- Lumbar disc generation and genetic factors are the main risk factors for back pain in women: the UK Twin Spine Study
- Ann Rheum Dis 70 (2011)1740 – 5
- (-)Lizis,P. Kobza,W., Jaszczur-Novicki,J., Wisniewski,D.
- Osteopathic manual treatment compared to Kaltenborn-Evjenth orthopedic manual therapy for chronic low back pain: a randomized study
- Altern Ther Health Med (2021) Jul 31; AT6593, online ahead of print; PMID: 34331755

- Lky,N.G. (ed.)
New approaches to treatment of chronic pain: a review of multidisciplinary pain clinics
Rockville, NIDA Research Monograph, 1981; 36 (zit. Kaiser et al., 2017)
- +Llewelyn,M.B.
Azami,J., Gibbs,M., Roberts,M.H.
A comparison of the sites at which pentazocine and morphine act to produce analgesia
Pain 16 (1983)313 – 31
- Llorca-Torralba,M.
Borges,G., Neto,F., Mico,J.A., Berrocoso,E.
Noradrenergic locus coeruleus pathways in pain modulation
Neurosci 338 (2016)93 – 113 (zit. Sirucek et al., 2023)
- +Lloyd,D.
Findlay,G., Roberts,N., Nurmikko,T.
Differences in low back pain behavior are reflected in the cerebral response to tactile stimulation of the lower back
Spine 33 (2008)1372 – 7
- +Lloyd,D.P.
Post-tetanic potentiation of response in monosynaptic reflex pathways of the spinal cord
J Gen Physiol 33 (1949)147 – 70
- +Lloyd,M.H.
Gauld,S., Soutar,C.A.
Epidemiologic study of back pain in miners and office workers
Spine 11 (1986)136 – 40
- +Lo,W.C.
Jackson,E., Merriman,A., Harris,J., Clarke,R.W.
5-HT receptors involved in opioid-activated descending inhibition of spinal withdrawal reflexes in the decerebrated rabbit
Pain 109 (2004)163 - 71
- +Lo,W.L.
Yu,Q., Mao,Y., Li,W., Hu,C., Li,L.
Lumbar muscles biomechanical characteristics in young people with chronic spinal pain
BMC Musculoskel Disord 20 (2019)559
doi.org/10.1186/s12891-019-2935-z
- +Lobanov,O.V.
Zeidan,F., McHaffie,J.G., Kraft,R.A., Coghill,R.C.

+Löber,A.

+Locher,C.

Locher, H. et al.

Locher, H.

Locher, H.

+Locher,H.

+Locher,H.

+Locher,H.

+Locher, H.

Manuelle Med 50 (2012a)340 – 2

- +Locher,H. Manuelle Medizin und moderne Schmerztherapie
Manuelle Med 53 (2015)419 - 23
- Locher,H. Beyer,L.
Manual medicine, manual therapy
Manuelle Med 59 (2021)254-66 doi.org/10.1007/s00337-021-00817-3
- +Locher,H. Boehni,U., Habring,M., von Heymann,W.
Rezeptive Felder und Neuroplastizität. Wie werden Indikation und Differentialindikation für manuelle und andere Therapiemaßnahmen beeinflusst ?
Manuelle Med 51 (2013)194 - 202
- +Locher,H. von Heymann,W.
Die hypomobile segmentale Dysfunktion der LWS (Blockierung) als spezifische Ursache von Kreuzschmerzen. Diskussionsbeitrag zur Leitlinie spezifischer Kreuzschmerz (Teil 1)
Manuelle Med 53 (2015)264 - 5
- +Lockwood,M.D. Kondrashowa,T., Johnson,J.C.
Feasibility of using ultrasonography to establish relationships among sacral base position, sacral sulcus depth, body mass index and sex
J Am Osteop Assoc 115 (2015)684 - 53
- +Loebach Wetherell,J. Afarai,N., Rutledge,T., Sorrell,J.T., Stoddard,J.A., Petkus,A.J., Solomon,B.C., Lehman,D.H., Liu,L., Lang,A.J., Atkinson,J.H.
A randomized controlled trial of acceptance and commitment therapy and cognitive-behavioral therapy for chronic pain
Pain 152 (2011)2098 – 2107
doi.org/10.1016/j.pain.2011.05.016
- +Loechel,F. Fox,J.W., Murphy,G., Albrechtsen,R., Wewer,U.M.
ADAM-12S cleaves IGFBP-3 and IGFBP-5 and is inhibited by TIMP-3
Biochem Biophys Res Commun 278 (2000)511 – 5
- +Loeser,J.D. Concepts of pain

- In: Stanton-Hicks,M., Boas,R. Editors: Chronic Low-back Pain, New York, Raven Press, 1982, pp 145 – 8 (zit. Nicholas, 2022a)
- +Loeser,J.D. A new way of thinking about pains
Pain 163 (2022)1670 – 4
doi.org/10.1097/j.pain.0000000000002583
- +Loeser,J.D. Treede,R.D.
The Kyoto protocol of IASP basic pain terminology
Pain 137 (2008)473 - 7
- Loftus,R.W. Yeager,M.P., Clark,J.A., Brown,J.R., Abdu,W.R., Sengupta,D.R., Beach,M.I.
Intraoperative ketamine reduces perioperative opiate consumption in opiate-dependent patients with chronic back pain undergoing back surgery
Anesthesiology 113 (2010)639 - 46
- +Loggia,M.L. Chronic pain and opioid receptor availability: disentangling the molecular contributions and the “chicken or the egg” dilemma (commentary)
Pain 159 (2018)1679 - 80
- +Loggia,M.L. Kim,J., Gollub,R.L., Vangel,M.G., Kirsch,I., Kong,J., Wasan,A.D., Napadow,V.
Default mode network connectivity encodes clinical pain: An arterial spin labeling study
Pain 154 (2013)24 - 33
- +Lohman,C.M. Tallroth,K., Kettunen,J.A., Lindgren,K.A.
Comparison of radiologic signs and clinical symptoms of spinal stenosis
Spine 31 (2006)1834 - 40
- (+)Loibl,M. Wuertz-Kozak,K., Vadala,G., Lang,S., Fairbank,J., Urban,J.P.
Controversities in regenerative medicine : should intervertebral disc degeneration be treated with mesenchymal stem cells ?
JOR Spine (2018) doi.org/10.1002/jsp2.1043 (oder 10.1111/jsp2.1043 ?)

- +Loisel,P. Gosselin,L., Durand,P., Lemaire,J., Poitras,S., Abenhaim,L.
Implementation of a participatory ergonomics program in the rehabilitation of workers suffering from subacute back pain
Appl Ergon 32 (2001)53 – 60
- +Loisel,P. Abenhaim,I., Durand,P., Esdaile,J.M., Suissa,S., Gosselin,L., Simard,R., Turcotte,J., Lemaire,J.
A population-based randomized clinical trial on back pain management
Spine 22 (1997)2911 – 8
- +Loisel,P. Durand,M.J., Diallo,B., Vachon,B., Charpentier,N., Labelle,J.
From evidence to community practice in work rehabilitation: the Quebec experience
Clin J Pain 19 (2003)105 - 13
- (-)Loizidis,T. Nikodelis,T., Bakas,E.L., Kollias,J.
The effects of dry needling on pain relief and functional balance in patients with sub-chronic low back pain
J Back Musculoskel Rehab (2020) pre-press 10.4.2020
doi/10.3233/BMR-181265
- +LoMartire,R. Äng,B.O., Gerdle,B., Vixner,L.
Psychometric properties of Short Form-36 Health Survey, EuroQuol 5-dimensions, and Hospital Anxiety and Depression Scale in patients with chronic pain
Pain 161 (2020)83 - 95
- Lommen,M.J.J. Duta,M., Vanbrabant,K., de Jong,R., Juechems,K., Ehlers,A.
Training discrimination diminishes maladaptive avoidance of innocuous stimuli in a fear conditioning paradigm
PLoS One 12 (2017)1 – 14
doi.org/10.1371/journal.pone.0184485
- +Lomond,K.V. Jacobs,J.V., Hitt,J.R., de Sarno,M.J., Bunn,J.Y., Henry,S.M.
Effects of low back pain stabilization or movement system impairment treatments on voluntary postural adjustments: a randomized controlled trial
Spine J 15 (2015)596 - 606

- +Lonnberg,F. Pedersen,P.A., Siersma,V.
Early predictors of the long-term outcomes of low back pain – results after a 22-year prospective cohort study
Fam Pract 27 (2010)609 – 14
- +Loney,P.I. Stratford,P.W.
The prevalence of low back pain in adults: a methodological review of the literature
Phys Ther 79 (1999)384 – 96
- +Long,A. Donelson,R., Fung,T.
Does it matter which exercise? A randomised control trial of exercise for low back pain
Spine 29 (2004)2593 – 2602
- +Longo,U.G. Denaro,I., Spiezla,F., Forriol,F., Maffuli,N., Denaro,V.
Symptomatic disc herniation and serum lipid levels
Eur Spine J 20 (2011)1658 - 62
- +Longtin,C. Decary,S., Cook,C.E., Martel,M.O., Lafrenaye,S., Carlesso,L.C., Naye,F., Tousignant-Laflamme
Optimizing management of low back pain through the pain and disability drivers management model: a feasibility trial
PLoS ONE 16 (2021)1: e0245689
doi.org/10.1371/journal.pone.0245689
- Longtin,C. Decary,S., Cook,C.E., Tousignant-Laflamme,Y.
What does it take to facilitate the integration of clinical practice guidelines for the management of low back pain into practice? Part 1: A synthesis of recommendation
Pain Pract 21 (2021a)8: 943 – 54
doi.org/10.1111/papr.13033
- +Lonn,J.H. Glomsrod,B., Soukup,M.G., Bo,K., Larsen,S.
Active back school: prophylactic management for low back pain. A randomized controlled 1-year follow-up study
Spine 24 (1999)865 – 71
- +Lonnemann,M.E. Paris,S.V., Gorniak,G.C.

- A morphological comparison of the human lumbar multifidus and its functional implications
J Man Manipul Ther 16 (2011)E85 – E92
- +Lopes,A.H. Talbot,J., Silva,R.L., Lima,J.B., Franca,R.O., Verri,W.A.Jr., Mascarenhas,D.P.,Ryffel,B., Cunha,F.O., Cunha,T.M.
Peripheral NLCR4 inflammasome participates in the genesis of acute inflammatory pain
Pain 156 (2015)451 - 9
- +Lopes,D.M. Denk,F., Chisholm,K.I., Suddason,T., Dumieux,C., Thakur,M., Gentry,C., McMahon,S.B.
Peripheral inflammatory pain sensitisation is independent of mast cell activation in male mice
Pain 158 (2017)1314- 22
- +Lopez-Alvarez,V.M. Modol,L., Navarro,X., Coblanchi,S.
Early increasing intensity treadmill exercise reduces neuropathic pain by preventing nociceptor collateral sprouting and disruption of chloride cotransporters homeostasis after peripheral nerve injury
Pain 156 (2015)1812 - 25
- +Lopez-Avila,A. Coffeen,U., Ortega-Legaspi,J., del Angel,R., Pellicer,F.
Dopamine and NMDA systems modulate long-term nociception in the rat anterior cingulate cortex
Pain 111 (2004)136 – 43
- +Lorenz,J. Beck,H., Bromm,B.
Cognitive performance, mood and experimental pain before and during morphine-induced analgesia in patients with chronic non-malignant pain
Pain 73 (1997)369 – 75
- +Lorenzo,P. Aspberg,A., Onnerfjord,P., Bayliss,M.T., Neame,P.J., Heinegard,D.
Identification and characterisation of asporin, a novel member of the leucine-rich repeat protein family closely related to decorin and biglycan
J Biol Chem 276 (2001)12201 – 11

- +Lortet,S. Samuel,D., Had-Aissouni,L., Masmejean,F., Kerkerian-leGoff,L., Pisano,P.
Effects of PKA and PKC modulators on high affinity glutamate uptake in primary neuronals cell cultures from rat cerebral cortex
Neuropharmacology 38 (1999)395 – 402
- +Losert-Brüggener,B. Hülse,M., Hülse,R.
Fibromyalgie oder funktionelle Kopf- und Kiefergelenksstörung?
Manuelle Med 55 (2017)94 - 9
- +Lötsch,J. Freynhagen,B., Geisslinger,G.
Sind mu-Opioidrezeptorpolymorphismen wichtig für die Opioidtherapie?
Schmerz 19 (2005)378 - 85
- +Lötsch,J. Geisslinger,G.
Current evidence for a modulation of nociception by human polymorphisms
Pain 132 (2007)18 - 22
- +Lötsch,J. Klepstad,P., Doeiring,A., Dale,O.
GTP cyclohydrolase 1 genetic variant delays cancer pain
Pain 148 (2010)103 - 6
- +Lötsch,J. Weiss,M., Ahne,G., Koba,G., Geisslinger,G.
Pharmacokinetic modelling of M6G formation after oral administration of morphine in healthy volunteers
Anesthesiology 90 (1999)1026 – 38
- +Lötters,F. Burdorf,A.
Prognostic factors for duration of sickness absence due to musculoskeletal disorders
Clin J Pain 22 (2006)212 - 21
- +Lotz,J.C. Chin,J.R.
Intervertebral disc cell death is dependent on the magnitude and duration of spinal loading

- Spine 25 (2000)1477 – 83 (zit. Steele et al., 2015)
- +Lotz,J.C. Ulrich,J.A.
- Innervation, inflammation, and hypermobility may characterize pathologic disc degeneration: review of animal model data
- J Bone Joint Surg Am 88 (2006)Suppl. 2: 76 – 82
- +Lotze,M. Maladaptive Plastizität bei chronischen und neuropathischen Schmerzen
- Schmerz 30 (2016)127 - 33
- +Lotze,M. Moseley,G.I.
- Role of distorted body image in pain
- Curr Rheumatol Rep 9 (2007)488 – 96 (Internetzugriff 31.1.16)
- +Loughenbury,P.R. Wadhwani,S., Soames,R.W.
- The posterior longitudinal ligament and peridural (epidural) membrane
- Clin Anat 19 (2006)487 – 92
- Loughlin,J. Genetics of osteoarthritis and potential for drug development
- Curr Opin Pharmacol 3 (2003)295 – 9 (zit. Urano et al., 2007)
- +Louilot,A. Le Moal,M., Simon,H.
- Differential reactivity of dopaminergic neurons in the nucleus accumbens in response to different behavioural situations. An in vivo voltammetric study in free moving rats
- Brain Res 397 (1986)395 – 400
- (-)Louw,A. Farrell,K., Nielsen,A., O'Malley,M., Cox,T., Puente-dura,E.J.
- Virtual McKenzie extension exercises for low back and leg pain: a prospective pilot explanatory case series
- J Man Manipul Ther (2022) online 23.6.2022
doi.org/10.1080/10669817.2022.2092822
- +Louw,S. Kappers,A.M.L., Koenderink,I.J.
- Haptic detection thresholds of Gaussian profiles over the whole range of spatial scales

- Exp Brain Res 132 (2000)369 – 74
- Louw,S. Kappers,A.M.L., Koenderink,I.J.
- Haptic discrimination of stimuli varying in amplitude and width
- Exp Brain Res 146 (2002)32 – 7 (zit. Müller & Grunwald, 2013)
- +Love,T. Fagan,A.B., Fraser,R.D.
- Degenerative spondylolisthesis. Developmental or acquired?
- J Bone Joint Surg Br 81 (1999)670 – 4
- Lovett,R.W. Lateral curvature of spine and round shoulders
- Ed.4, P.Blakiston's Sons & Co., Philadelphia, 1922 (so zit. Beal, 1950)
- +Lovick,T.A. Integrated activity of cardiovascular and pain regulatory systems: role in adaptative behavioural response
- Prog Neurobiol 40 (1993)631 – 44
- +Lovick,T.A. Pro-nociceptive action of cholecystokinin in the periaqueductal grey: a role in neuropathic and anxiety-induced hyperalgesic states
- Neurosci Biobehav Rev 32 (2008)852 – 62
- +Lovibond,P.F. Lovibond,S.H.
- The structure of negative emotional states: comparison of the depression anxiety stress scales (DASS) with the Beck depression and anxiety inventories
- Behav Res Ther 33 (1995)335 – 43
- +Lowe,N.K. Walker,S.N., MacCallum,R.C.
- Confirming the theoretical structure of the McGill Pain Questionnaire in acute clinical pain
- Pain 46 (1991)53 – 60
- Löwe,B. et al. Gesundheitsfragebogen für Patienten. Komplettversion und Kurzform – vorläufiges Manual
- Heidelberg, 2001 (zit. Hardt & Brähler, 2007)
- Lu,P. Takai,K., Weaver,V.M., Werb,Z.

- Extracellular matrix degradation and remodelling in development and disease
- Cold Spring Harb Perspect Biol 3 (2011)12:1 – 24 (zit. Hollenberg et al., 2021)
- +Lu,R. Lukowski,R., Sausbier,M., Zhang,D.D., Sisignano,M., Schuh,C.D., Kuner,R., Ruth,P., Geisslinger,G., Schmidtko,A.
- BK_{Ca}- channels expressed in sensory neurons modulate inflammatory pain in mice
- Pain 155 (2014a)556 - 65
- +Lu,V.B. Ballanyi,K., Colmers,W.F., Smith,P.A.
- Neuron type-specific effects of brain-derived neurotrophic factor in rat superficial dorsal horn and their relevance to “central sensitization”
- J Physiol 584 (2007)543 – 63
- +Lu,X. Chen,L., Jiang,C., Cao,K., Gao,Z., Wang,Y.
- Microglia and macrophages contribute to the development and maintenance of sciatica in lumbar disc herniation
- Pain 164 (2023)362 – 74
doi.org/10.1097/j.pain.0000000000002708
- +Lu,Y. Guzman,J.Z., Purmessur,D., Iatridis,J.C., Hecht,A.C., Qureshi,S.A., Cho,S.K.
- Nonoperative management of discogenic back pain. A systematic review
- Spine 39 (2014)1314 - 24
- +Lu,Y Jiang,R.C., Cao,D.L., Zhang,Z.J., Ji,R.R., Gao,Y.J.
- TRAF6 upregulation in spinal astrocytes maintains neuropathic pain by integrating TNF-alpha and IL-1 beta signaling
- Pain 155 (2014b)2618 - 29
- +Lu, Y.M. Hutton,W.C., Gharpuray,V.M.
- Can variations in intervertebral disc height affect the mechanical function of the disc?
- Spine 21 (1996)2208 – 15

-Lucas,D. –n-

Bresler,B.

Stability of the ligamentous spine. Biomechanics laboratory, University of California, 1961, report No 40: 1 – 41 (zit. Solomonow et al., 1998)

+Lucas,K.R.

Polus,B.I., Rich,B.A.

Latent mofascial trigger points: their effects on muscle activation and movement efficiency

J Bodywork Mov Ther 8 (2004)160 – 6

+Lucas,N.

Macaskill,P., Irwig,L., Moran,R., Bogduk,N.

Reliability of physical examination for diagnosis of myofascial trigger points: a systemical review of the literature

Clin J Pain 25 (2009)80 - 9

Lucas-Gesing,A.

Achtsamkeit als Lebensweise. Chancen für einen neuen Umgang mit Stress und Schmerzen

Zaenmagazin 17 (2025)1: 28 - 31

Luckenbill-Edds,L.

Bechill,G.B.

Nerve compression syndromes as models for research on osteopathic manipulative treatment

J Am Osteopathic Ass 95 (1995)319 – 26 (zit. Rennie, 2007)

+Lühken,H.

Die Statik des menschlichen Beckens

Z Anat Entwicklungsgesch 104 (1935)729 – 38 (zit. Steinke et al., 2010)

+Lui,F.

Colloca,L., Duzzi,D., Anchisi,D., Benedetti,F., Porro,C.A.

Neural bases of conditioned placebo analgesia

Pain 151 (2010)816 - 24

Luijsterburg,P.A.J.

Lamers,L.M., Verhagen,A.P., Ostelo,R.W.J.G., van den Hoogen,H.J.M.M., Peul,W.C., Avezaat,C.J.J., Koes,B.W.

Cost-effectiveness of physical therapy and general practitioner care for sciatica

Spine 32 (2007)1942 – 8

+Luk,K.D.K.

Ho,H.C., Leong,J.C.Y.

- The iliolumbar ligament: a study of its anatomy, development and clinical significance
J Bone Joint Surg Br 68 (1986)197 – 200
- +Luk, K.D.K. Samartzis, D.
Perspective: Intervertebral disc “dysgeneration”
Spine J 15 (2015)1915 - 8
- Lukas-Krausgrill, U. et al. Die Beziehung zwischen Schmerzbewältigung, Beeinträchtigung und Depression bei chronischem Schmerz
In: Wahl, R., Hautzinger, M. (Hrsg.): Psychotherapeutische Medizin bei chronischem Schmerz: Psychologische Verfahren zur Schmerzkontrolle. Deutscher Ärzteverlag Köln, S. 169 – 174 (zit. Hardt & Brähler, 2007)
- Lukinmaa, A. Low back pain as a biopsychosocial problem. A controlled clinical trial and a cost-effectiveness analysis
Kansaneläkelaitoksen Julkaisuja ML:90 (zit. van Tulder et al., 2006b)
- +Lumley, M.A. Schubiner, H., Carty, J.N., Ziadni, M.S.
Beyond traumatic events and chronic low back pain: assessment and treatment implications and avoided experiences (commentary)
Pain 156 (2015)565 - 6
- +Lund, J.P. Donga, R., Widmer, C.G., Stohler, C.S.
The pain-adaptation model: a discussion of the relationship between chronic musculoskeletal pain and motor activity
Can J Physiol Pharmacol 69 (1991)683 – 94
- Lund, J.P. Stohler, C.S., Widmer, C.G.
The relationship between pain and muscle activity in fibromyalgia and similar conditions
In Vårooy, H., Merskey, H. (eds): Progress in Fibromyalgia and Myofascial Pain. Amsterdam, Elsevier Science Publishers, 1993, S. 311 – 27 (zit. Arendt-Nielsen & Graven-Nielsen, 2008)
- +Lund, T. Nydegger, T., Schlenzka, D., Oxland, T.R.

- Three-dimensional motion patterns during active bending in patients with chronic low back pain
Spine 27 (2002)1865 – 74
- +Lundberg,M. Frennered,K., Hägg,O., Styf,J.
The impact of fear-avoidance model variables on disability in patients with specific or nonspecific chronic low back pain
Spine 36 (2011)1547 – 53
- +Lundin,O. Hellstrom,M., Nilsson,I., Sward,L.
Back pain and radiological changes in the thoracolumbar spine of athletes. A long-term follow-up
Scand J Med Sci Sports 11 (2001)103 – 9
- +Luo,C. Seeburg,P.H., Sprengel,R., Kuner,R.
Activity-dependent potentiation of calcium signals in spinal sensory networks in inflammatory pain states
Pain 140 (2008)358 - 67
- +Luo,L. Hensch,T.K., Ackerman,L., Barbel,S., Jan,L.Y., Jan,Y.N.
Differential effects of the Rac GTPase on Purkinje cell axons and dendritic trunks and spines
Nature 379 (1996)837 – 40
- +Luo,W. Enomoto,H., Rice,F.L., Milbrand,J., Ginty,D.D.
Molecular identification of rapidly adapting mechanoreceptors and their developmental dependence on ret signalling
Neuron 64 (2009)841 – 56
- +Luo,X. Pietrobon,R., Sun,S.X., Liu,G.G., Hey,L.
Estimates and patterns of direct health care expenditures among individuals with back pain in the United States
Spine 29 (2004)79 – 86
- +Luo,Y. Yan,C., Huang,T., Fan,M., Liu,L., Zhao,Z., Ni,K., Jiang,H., Huang,X., Lu,Z., Wu,W., Zhang,M., Fan,X.

- Altered neural correlates of emotion associated pain processing in persistent somatoform pain disorder: an fMRI study
Pain Pract 16 (2016)969 - 79
- +Luo,Z.D. Cizkova,D.
The role of nitric oxide in nociception
Curr Rev Pain 4 (2000)459 – 66
- Luo,Z.D. Injury type-specific calcium channel alpha 2 delta 1 subunit upregulation in rat neuropathic pain models correlates with antiallodynic effects of gabapentin
J Pharmacol Exp Ther 303 (2002)1199 – 1205 (zit. v.Heymann et al., 2005)
- +Luoma,K. Riihimäki,H., Luukkonen,R., Raininko,R., Viikari-Juntura,E., Lamminen,A.
Low back pain in relation to lumbar disc degeneration Spine 25 (2000)487 – 92
- +Luoma,K. Vehmas,T., Riihimäki,H., Raininko,R.
Disc height and signal intensity of the nucleus pulposus on magnetic resonance imaging as indicators of lumbar disc degeneration
Spine 26 (2001)680 – 6
- +Luomajoki,H. Muskuloskeletale Beschwerden als größte Kostenverursacher. Immenses Sparpotential durch Physiotherapie
Manuelle Med 51 (2013)468 - 72
- (+)Luomajoki,H.A. Beltran,M.B.B., Careddu,S., Bauer,C.M.
Effectiveness of movement control exercise on patients with non-specific low back pain and movement control impairment: A systematic review and meta-analysis
Musculoskel Sci Pract 36 (2018)1 – 11 (nur Abstrakt)
- +Luomajoki,H. Kool,J., de Bruin,E.D., Airaksinen,O.
Reliability of movement control tests in the lumbar spine
BMC Musculoskeletal Disord 8 (2007)90

- +Luomajoki,H. Kool,J., de Bruin,E.D., Airaksinen,O
Improvement in low back movement control, decreased pain and disability, resulting from specific exercise intervention
Sports Med Arthrosc Rehabil Ther Techn 2 (2010)11
- +Luomajoki,H Moseley,G.L.
Tactile acuity and lumbopelvic motor control in patients with back pain and healthy controls
Br J Sports Med 45 (2011)437 - 40
- +Luoto,S. Taimela,S., Alaranta,H., Hurri,H.
Psychomotor speed in chronic low back pain patients and healthy controls: construct validity and clinical significance of the measure
Percept Mot Skills 87 (1998)1283 – 96
- +Luoto,S. Aalto,H., Taimela,S., Hurri,H., Pyykkö,I., Alaranta,H.
One-footed and external disturbed two-footed postural control in patients with chronic low back pain and healthy control subjects
Spine 23 (1998)2081 – 90
- +Luoto,S. Heliövaara,M., Hurri,H., Alaranta,H.
Static back endurance and the risk of low-back pain
Clin Biomech 10 (1995)323 - 4
- +Lurie,J.D. Berven,S.H., Gibson-Chambers,J., Tosteson,T., Tosteson,A., Hu,S.S., Weinstein,J.N.
Patient preferences and expectations for care. Determinants in patients with lumbar intervertebral disc herniation
Spine 33 (2008a)2663 - 8
- +Lurie,J.D. Birmeyer,N.J., Weinstein,J.N.
Rates of advanced spinal imaging and spine surgery
Spine 28 (2003)616 – 20
- +Lurie,J.D. Henderson,E.R., McDonogh,C.M., Berven,S.H., Scherer,E.A., Tosteson,T.D., Tosteson,A.N.A., Hu,S.S., Weinstein,J.N.

- Effect of expectations on treatment outcome for lumbar intervertebral disc herniation
- Spine 41 (2016)803 - 9
- +Lurie,J.D. Leggett,C.G., Skinner,J., Carragee,E., Austin,A.A., Luaan,W.P.
- A regional analysis of low back pain treatments in the military health system
- Spine 49 (2024)278 – 84
doi.org/10.1097/BRS.0000000000004639
- +Lurie,J.D. Tosteson,A.N.A., Tosteson,T.D., Carragee,E., Carrino,J., Kaiser,J., Blanco Sequeiros,R.T., Lecomte,A.R., Grove,M.R., Blood,E.A., Pearson,L.H., Herzog,R., Weinstein,J.N.
- Reliability of magnetic resonance imaging readings for lumbar disc herniation in the spine patient outcomes research trial (SPORT)
- Spine 33 (2008)991 – 8
- +Lurie,J.D. Tosteson,A.N.A., Tosteson,T.D., Abdu,W.A., Zhao,W., Morgan,T.S., Weinstein,J.N.
- Long-term outcomes of lumbar spinal stenosis
- Spine 40 (2015)63 - 76
- Lurie,J.D. Weinstein,J.N.
- Shared decision-making and the orthopaedic workforce
- Clin Orthop Relat Res 385 (2001)1: 68 – 75 (so zit. Haig, 2006)
- Lurier,E.B. Dalton,D., Dampier,W. et al.
- Transcriptome analysis of IL-10-stimulated (M2c) macrophages by next-generation sequencing
- Immunobiology 222 (2017)847 – 56 (zit. Nakazawa et al., 2018)
- Luster,A.D. Alon,R., von Adrian,U.H.
- Immune cell migration in inflammation: present and future therapeutic targets
- Nat Immunol 6 (2005)1182 – 90 (zit. Teodorczyk-Injeyan et al., 2018)

- +Luthar,S.S. Cicchetti,D., Becker,B.
The construct of resilience: a critical evaluation and guidelines for future work
Child Dev 71 (2000) 543 – 62
- +Lutz,A.D. Windsor,B.A., Shanley,E., Denninger,T.R., Harrington,S.E., Thigpen,C.A.
A comparison of treatment signatures of high and low performing physical therapists for patients with lower back pain: analysis of spine care from a physical therapy outcomes registry
Spine J 22 (2012)847 – 56
doi.org/10.1016/j.spinee.2011.11.008
- +Lutz,G.E. Vad,V.B., Wisneski,R.J.
Fluoroscopic transforaminal lumbar epidural steroids: an outcome study
Arch Phys Med Rehabil 79 (1998) 1362 – 6
- Lutze,M.A. CT-gestützte Injektionen von Botulinumtoxin A bei myofaszialen Schmerzsyndrom
Schmerz 14 (2000) Suppl.1: 91 (zit. Goebel, 2006)
- Luukkainen,R. Periarticular corticosteroid treatment of the sacroiliac joint
Curr Rheumatol Rev 3 (2007)155 – 7 (zit. Pålsson & Graven-Nielsen, 2012)
- +Luukkainen,R. Nissilä,M., Asikainen,E.L., Sanila,M.T., Lehtinen,K., Alanaatu,A., Kautiainen,H.H.
Periarticular corticosteroid treatment of the sacroiliac joint in patients with seronegative spondylarthropathy
Clin Exper Rheumatol 17 (1999)88 – 90
- +Luukkainen,R.K. Wennerstrand,P.V., Kautiainen,H.H., Sanila,M.T. Asikainen,E.L.
Efficacy of periarticular corticosteroid treatment of the sacroiliac joint in non-spondylarthropathic patients with chronic low back pain in the region of the sacroiliac joint
Clin Exper Rheumatol 20 (2002)52 - 4
- +Luyten,F.P. Hascali,V.C., Nissley,S.P., Morales,T.I., Reddi,A.H.

- Insulin-like growth factors maintain steady state metabolism of proteoglycans in bovine articular cartilage explants
Arch Biochem Biophys 267 (1988)416 – 25
- +Luz,L.L. Fernandez,E.C., Sivado,M., Kokal,E., Szucs,P., Safronov,B.V.
Monosynaptic convergence of somatic and visceral C-fiber afferents on projection and local circuit neurons in lamina I: a substrate for referred pain
Pain 156 (2015)2042 - 51
- +Lyby,P.S. Aslaksen,P.M., Flaten,M.A.
Variability in placebo analgesia and the role of fear of pain – an ERP study
Pain 152 (2011)2405 – 12
- +Lyby,P.S. Forsberg,J.T., Asli,O., Flaten,M.A.
Induced fear reduces the effectiveness of a placebo intervention on pain
Pain 153 (2012)1114 - 21
- +Lynch,A.D. Bove,A.M., Ammendolia,C., Schneider,M.
Individuals with lumbar spinal stenosis seek education and care focuses on self-management – results of focus groups among paticipants enrolled in a randomized controlled trial
Spine J 18 (2018)1303 - 12
- +Lynch,J.W. Molecular structure and function of the glycine receptor chloride channel
Physiol Rev 84 (2004)1051 – 95
- Lynch,M.E. Campbell,F., Clark,A.J., Dunbar,M.J., Goldstein,D., Peng,P., Stinson,J., Tupper,H.
A systemic review of the effect of waiting for treatment for chronic pain
Pain 136 (2008)97 - 116
- +Lynch,M.E. Clark,A.J., Sawynok,J.,Sullivan,M.J.L.
Topical 2 % amitriptyline and 1 % ketamine in neuropathic pain syndromes: a randomized, double-blind, placebo-controlled trial

- Anesthesiology 103 (2005)140 – 6
- +Lyness,W.H. Friedle,N.M., Moore,K.E.
- Destruction of dopaminergic nerve terminals in nucleus accumbens: effect on D-amphetamine self-administration
- Pharmacol Biochem Behav 11 (1979)553 – 6
- +Lyons,G. Eisenstein,S.M., Sweet,M.B.E.
- Biochemical changes in intervertebral disc degeneration
- Biochem Biophys Acta 673 (1981)443 - 53
- +Ma,C. Shu,Y., Zheng,Z., Chen,Y., Yao,H., Greenquist,K.W., White,F.A. LaMotte,R.H.
- Siniliar electrophysiological changes in axotomized and neighboring intact dorsal root ganglion neurons
- J Neurophysiol 89 (2003a)1588 – 602
- +Ma,C. Wu,S., Li,G., Xiao,X., Mai,M., Yan,T.
- Comparison of miniscalpel-needle release, acupuncture needling and stretching exercise to trigger point in myofascial pain syndrome
- Clin J Pain 26 (2010)251 - 7
- (-)Ma,J. Yan,Y., Wang,B., Sun,W., Yue,D., Wang,W.
- Effectiveness and safety of extracorporeal shock wave treatment for low back pain: a systematic review and meta-analysis of RCT's
- Int J Osteopath Med (2022) publ. March 18, doi.org/10.1016/j.ijosm.2022.03.004
- +Ma,J. Zhang,T., He,Y., Li,X., Chen,H., Zhao,Q.
- Effect of aquatic physical therapy on chronic low back pain: a systematic review and metaanalysis
- BMC Musculoskel Disord 23 (2022a)1050 doi.org/10.1186/s12891-022-05981-8
- Ma,W. Bisby,M.A.
- Increase of preprotachykinin mRNA and substance P immunoreactivity in spared dorsal root ganglion neurons following partial sciatic nerve injury

- Eur J Neurosci 10 (1998)2388 - 99
- +Ma,W.Y. Eisenach,J.C.
- Chronic constriction injury of sciatic nerve induces the upregulation of descending inhibitory noradrenergic innervation in the lumbar dorsal horn of mice
- Brain Res 970 (2003)110 – 8
- +Ma,Y. Shan,X.
- Spasm and flexion-relaxation phenomenon response to large lifting load during the performance of a trunk flexion-extension exercise
- BMC Musculoskelet Disord 18 (2017)505
- +Maarawi,J. Peyron,R., Mertens,P., Costes,N., Magnin,M., Sindou,M., Laurent,B., Garcia-Larrea,L.
- Different brain opioid receptor availability in central and peripheral neuropathic pain
- Pain 127 (2007)183 - 94
- +Maaswinkel,E. Griffioen,M., Perez,R.S.G.M., van Dieen,J.H.
- Methods for assessment of trunk stabilisation, a systematic review
- J Electromyogr Kinesiol 26 (2016)18 – 35
- +Määttä,J.H. Karppinen,J.I., Luk,K.D.K., Cheung,K.M.C., Samartzis,D.
- Phenotype profiling of Modic changes of the lumbar spine and its association with other MRI phenotypes: a large-scale population-based study
- Spine J 15 (2015)1933 - 42
- +Määttä,J.H. Kraatari,M., Wolber,L., Niinimäki,J., Wadge,S., Karppinen,J., Williams,F.M.K.
- Vertebral endplate change as a feature of intervertebral disc degeneration: a heritability study
- Eur Spine J 23 (2014)1856 – 62
- +Macadaeg,K.E. Kim,K.D., Gupta,P.B., Rivera,J., Patel,A., Chauhan,K., ..., Candido,K. und weitere 3 Autoren

	Impact of condoliase on health-related quality of life in participants with radicular leg pain associated with lumbar disk herniation
	Spine 50 (2025)796 – 803 doi.org/10.1097/BRS.0000000000005327
Macario,A.	Pergolizzi,J.V.
	Systematic literature review of spinal decompression via motorized traction for chronic discogenic low back pain
	Pain Practice 6 (2006)171 - 8
-MacDermott,A.B.	Mayer,M.L., Westbrook,G.L., Smith,S.J., Baker,J.L.
	NMDA-receptor activation increase cytoplasmatic calcium concentration in cultured spinal cord neurons
	Nature 321 (1986)519 – 22 (zit. Woolf, 1996)
+MacDonald,D.	Moseley,G.L., Hodges,P.W.
	Why do some patients keep hurting their back? Evidence of ongoing back muscle dysfunction during remission from recurrent back pain
	Pain 142 (2009)183 – 8
+MacDonald,D.	Moseley,G.L., Hodges,P.W.
	People with recurrent low back pain respond differently to trunk loading despite remission from symptoms
	Spine 35 (2010)818 - 24
+MacDonald,R.S.	Bell,C.M.J.
	An open controlled assessment of osteopathic manipulation in non-specific low back pain
	Spine 15 (1990)364 – 70
(-)Macedo,L.B.	Richards,J.,Borges,D.T., Melo,S.A., Reis,D.D., Brasileiro,J.S.
	The influence of kinesio taping on muscle fatigue in individuals with low back pain: a randomized controlled trial
	J Back Musculoskel Rehab (2021) doi.org/10.3233/BMR-200207
+Macedo,L.G.	Latimer,J., Maher,C.G., Hodges,P.W., McAuley,J.H., Nicholas,M.K., Tonkin,L., Stanton,C.J., Stafford,R.

- Effect of motor control exercises versus graded activity in patients with chronic nonspecific low back pain: a randomized controlled trial
- Phys Ther 92 (2012)363 - 77
- +Macedo,L.G. Maher,C.G., Latimer,J., McAuley,J.H.
- Motor control exercise for persistent, nonspecific low back pain: a systematic review
- Phys Ther 89 (2009)9 – 25
- +Macedo,L.G. Wang,Y., Battie,M.C.
- The sedimentation sign for differential diagnosis of lumbar spinal stenosis
- Spine 38 (2013)827 - 31
- +Macefield,G. Hagbarth,K.E., Gorman,R., Gandevia,S.C., Burke,D.
- Decline in spindle support to alpha-motoneurons during sustained voluntary contractions
- J Physiol 440 (1991)497 – 512
- Macfarlane,G.J. Who will develop chronic pain and why?
- In: Flor,H., Kalso,E., Dostrovsky,J.O. eds. The epidemiological evidence. Proceedings of the 11th World Congress on Pain. Seattle, IASP Press, 2006, p. 529 – 42
- Macfarlane,G.J. Editorial: Changing patient perceptions of their illness: Can they contribute to an improved outcome for episodes of musculoskeletal pain?
- Pain 136 (2008)1 - 2
- +Macfarlane,G.J. Beasley,M., Jones,E.A., Prescott,G.J., Docking,R., Keeley,P., McBeth,J., Jones,G.T.,
- The prevalence and management of low back pain across adulthood: Results from a population-based cross-sectional study (the MUSICIAN study)
- Pain 153 (2012)27 - 32
- +Macfarlane,G.J. Jones,G.T., Hannaford,P.C.
- Managing low back pain presenting to primary care: where do we go from here?

- Pain 122 (2006)219 – 222
- +Macfarlane,G.J. Thomas,E., Croft,P.R., Papageorgiou,A.C., Jayson,M.I.V., Silman,A.J.
- Predictors of early improvement in low back pain amongst consultants to general practice: the influence of pre-morbid and episode-related factors
- Pain 80 (1999)113 – 9
- +MacGregor,A. Andrew,T., Sambrook,P., Spector,T.D.
- Genetic factors determine the liability to back pain reporting: results of a population based MRI study of twins
- Twin Res 4 (2002)195
- +MacGregor,A.J. Andrew,T., Sambrook,P.N., Spector,T.D.
- Structural, psychological, and genetic influences on low back and neck pain: study of adult female twins
- Arthritis Rheum 51 (2004)160 – 7
- +MacGregor,R.R. Thorner,R.E., Wright,D.M.
- Lidocaine inhibits granulocyte adherence and prevents granulocyte delivery to inflammatory sites
- Blood 56 (1980)203 – 9
- +Machada,L.A.C. Viana,J.U., da Silva,S.L.A., Couto,F.G.P., Mendes,L.P., Ferreira,P.H.,Dias,J.M.D., Dias,R.C.
- Correlates of a recent history of disabling low back pain in community-dwelling older persons. The pain in the elderly (PAINEL) study
- Clin J Pain 34 (2018)515 - 24
- Macintosh,J.E. Bogduk,N.
- The biomechanics of the lumbar multifidus
- Clin Biomech (Bristol, Avon) 1 (1986)196 – 204 (so zit. Hansen et al., 2006) 205 – 13
- +Macintosh,J.E. Bokduk,N.
- 1987 Volvo award in basic science. The morphology of the lumbar erector spinae

- Spine 12 (1987)658 – 68
- +Macintosh,J.E. Bokduk,N.
The attachments of the lumbar erector spinae
Spine 16 (1991)783 – 92
- +Macintosh,J.E. Valencia,F.P., Bogduk,N., Munro,R.R.
The morphology of the human lumbar multifidus
Clin Biomech 1 (1986)196 – 204
- +MacLellan,G.A. Dunlevy,C., O'Malley,E., Blake,C., Breen,C., Gaynor,K.,
Wallace,N., Yoder,R., Casey,D., Mehegan,J., O'Shea,D.,
Fullan;B.M.
Musculoskeletal pain profile of obese individuals attending a
multidisciplinary weight management service
Pain 159 (2017)1342 - 53
- +Mach,D.B. Rogers,S.D., Sabino,M.C., Luger,N.M., Schwei,M.J.,
Pomonis,J.D., Keyser,C.P., Clohisy,D.R., Adams,D.J.,
O'Leary,P., Mantyh,P.W.
Origins of skeletal pain: sensory and sympathetic innervation
in the mouse femur
Neurosci 113 (2002)155 – 66
- +Machado,G.C. Ferreira,P.H., Maher,C.G., Latimer,J., Steffens,D., Koes,B.W.,
Li,Q., Ferreira,M.L.
Transient physical and psychosocial activities increase the risk
of nonpersistent and persistent low back pain: a case-
crossover study with 12 month follow-up
Spine J 16 (2016)1445 - 52
- +Machado,L.A. Azevedo,D.C., Capanema,M.B., Neto,T.N., Cerceau,D.M:
Client-centered therapy vs. exercise therapy for chronic low
back pain: a pilot randomized controlled trial in Brazil
Pain Med 8 (2007)251 – 8
- +Maciaszek,J. Muscles training for the stability of the spine
Trends Sport Sci 24 (2017)2: 59 - 65
- +Maclean,J.J. Lee,C.R., Alini,M., Iatridis,J.C.

- Anabolic and catabolic mRNA levels of the intervertebral disc vary with the magnitude and frequency of in vivo dynamic compression
- J Orthop Res 22 (2004)1193 – 200
- +MacLean,J.J. Lee,C.R., Alini,M., Iatridis,J.C.
- The effects of short-term load duration on anabolic and catabolic gene expression in the rat tail intervertebral disc
- J Orthop Res 23 (2005)1120 – 7
- +MacLennan, A.H. Nicolson,R., Green,R.C., Bath,M.
- Serum relaxin and pelvic pain of pregnancy
- Lancet (1986)2: 243 – 5
- +MacPherson,H. Vertosick,E.A., Foster,N.E., Lewith,G., Linde,K., Sherman,K.J., Witt,C.M., Vickers,A.J.,
- The persistence of the effects of acupuncture after a course of treatment: a meta-analysis of patients with chronic pain
- Pain 158 (2017)784 - 93
- +MacRae,C.S. Lewis,J.S., Shortland,A.P., Morrissey,M.C., Critchley,D.
- Effectiveness of rocker sole shoes in the management of chronic low back pain. A randomized clinical trial
- Spine 38 (2013)1905 - 12
- +Mac-Thiong,J.-M. Labelle,H., Parent,S., Poitras,B., Jodoin,A., Ouellet,J., Duong,L.
- Assessment of sacral doming in lumbosacral spondylolisthesis
- Spine 32 (2007)1888 - 95
- +Mac-Thiong,J.M. Roussouly,P., Berthonnaud,E., Guigui,P.
- Sagittal parameters of global spinal balance: normative values from a prospective cohort of seven hundred nine Caucasian asymptomatic adults
- Spine 35 (2010)E1193 - 8
- +Mac-Thiong,J.M. Wang,Z., de Guise,J.A., Labelle,H.
- Postural model of sagittal spino-pelvic alignment and its relevance for lumbosacral developmental spondylolisthesis
- Spine 33 (2008)2316 - 25

Madani,S.P.

Dadian,M., Firouznia,K., Alalawi,S.

Sacroiliac dysfunction in patients with herniated lumbar disc: A cross sectional study

J Back Musculoskelet Rehab 26 (2013)273 – 8
doi.org/10.3233/BMR-130376

Maddock et al.

ohne Angabe zit. bei Ochsner et al., 2006

-Maddox,J.D. et al.

The use of opioids for the treatment of chronic pain (position statement)

Clin J Pain 13 (1997)6 – 8 (zit Nicholas et al., 2006)

Madl,M.

Linhard, O., Boluki, D., Matussek, J., Renkawitz, T., Grifka, J.

Minimalinvasive Injektionstherapie beim radikulären Lumbalsyndrom. Erste Ergebnisse bei Patienten mit lumbaler Radikulopathie

Schmerz 21 (2007)445 - 52

+Maduro-de-Camargo,V.

Albuquerque-Sendin,F., Berzin,F., Cobos-Stefanelli,V.,
Rodrigues-Pedroni,C., Santos,K.

Immediate effects of the Ashmore manipulation technique C5/C6 in muscle activity in patients with mechanical neck pain

Eur J Ost Clin Rel Res 7 (2012)2 - 9

+Maeda,S.

Ishidou,Y., Koga,H., Taketomi,E., Ikari,K., Komiya,S., Takeda,J.,
Sakou,T., Inoue,I

Functional impact of human collagen alpha2(XI) gene polymorphism in pathogenesis of ossification of the posterior longitudinal ligament of the spine

J Bone Miner Res 16 (2001)948–57

+Maeda,S.

Kokubun,S.,

Changes with age in proteoglycan synthesis in cells cultured in vitro from the inner and outer rabbit annulus fibrosus. Responses to interleukin-1 and interleukin-1 receptor antagonist protein

Spine 25 (2000)166 – 9

+Maeda,T.

Towatari, M., Kosugi, H., Saito, H.

- Up-regulation of costimulatory/adhesion molecules by histone deacetylase inhibitors in acute myeloid leukemia cells
Blood 96 (2000a)3847 – 56
- +Maerz,T. Newton,M., Marek,A.A., Planalp,M., Baker,K.
Dynamic adaptation of vertebral endplate and trabecular bone following annular injury in a rat model of degenerative disc disease
Spine J 18 (2008)2091 - 2101
- +Maetzel,A., Li,L.
The economic burden of low back pain: a review of studies published between 1996 and 2001
Best Pract Res Clin Rheumatol 16 (2002)23 – 30
- +Madeleine,P. Lundager,B., Voigt,M., Arendt-Nielsen,L.
Shoulder muscle coordination during chronic and acute experimental neck-shoulder pain. An occupational pain study
Eur J Appl Physiol Occup Physiol 79 (1999)127 – 40
- +Maghout-Juratli,S. Franklin,G.M., Mirza,S.K., Wickizer,T.M., Fulton-Kehoe,D.
Lumbar fusions outcomes in Washington state workers' compensation
Spine 31 (2006)2715 - 23
- +Magerl,W. Ali,Z., Ellrich,J., Meyer,R.A., Treede,R.D.
C- and A-delta fiber components of heat evoked potentials in healthy human subjects
Pain 82 (1999)127 – 37
- +Magni,G. Marchetti,C., Moereschi,C., Merskey,H., Luchini,S.R.
Chronic musculoskeletal pain depressive symptoms in the general population. An analysis of the 1st National Health and Nutrition Examination Survey data
Pain 43 (1990)299 – 307
- +Magni,G. . Marchetti,M., Moereschi,C., Merskey,H., Luchini,S.R.

	Chronic musculoskeletal pain and depressive symptoms in the National Health and Nutrition Examination. 1. Epidemiologic follow up study
	Pain 53 (1993)163 – 8 (zit. Currie & Wang, 2004)
+Magnussen,L.H.	Lygren,H.Strand,L.I., Hagen,E.M., Breivik,K.
	Reconsidering the Roland-Morris-disability questionnaire. Time for a multidimensional framework?
	Spine 40 (2015)257 - 61
+Magnusson,J.E.	Fisher,K.
	The involvement of dopamin in nociception: the role of D1 and D2 receptors in the dorsolateral striatum
	Brain Res 855 (2000)260 – 6
+Magnusson,M.L.	Aleksiev,A., Wilder,D.G., Wilder,D.G., Pope,M.H., Spratt,K., Lee,S.H., Goel,V.K., Weinstein,J.N.
	European Spine Society – the AcroMed Prize for spinal research 1995. Unexpected load an asymmetric posture as etiologic factors in low back pain
	Eur Spine J 5 (1996)23 – 35
+Magnusson,M.L.	Chow,D.H., Diamandopoulos,Z., Pope,M.H.
	Motor control learning in chronic low back pain
	Spine 33 (2008)E525 -31
Magora,A.	Investigation on the relation between low back pain and occupation. IV. Physical requirements: Bending, rotation, reaching and sudden maximal effort
	Scand J Rehab Med 5 (1973)186 – 90 (zit. Lavender et al., 2007)
+Magora,A.	Schwartz,A.
	Relation between the low back pain syndrome and X-ray findings
	Scand J Rehab Med 8 (1976)115 – 25
Magoun,H.I.	Osteopathy in the cranial field
	United States: Sutherland Cranial Teaching Foudation, 1997,142-3 p.p. (zit. Morimoto et al., 2022)

Magoun,H.I.	Northup,G.W. Lectures given by H.I.Magoun, D.O. Reported by G.W.Northup,D.O. Academy of Applied Osteopathy Yearbook, 1942, p. 105 (zit. Jordan, 2006)
+Mahaudens.P.	Thonnard,J.L., Detrembleur,C. Influence of structural pelvic disorders during standing and walking in adolescents with idiopathic scoliosis Spine J 5 (2005)427 – 33
+Maher,C.G.	Photobiomodulation therapy for chronic low back pain: time to move on (commentary) Pain 162 (2021)1589 – 90 doi.org/10.1097/j.pain.0000000000002190
Maher,C.	Adams,R. Reliability of pain and stiffness assessments in clinical manual lumbar spine examination Phys Ther 74 (1994)801 – 9, Discussion 809 – 11 (zit. Desmoulin et al., 2007)
+Maher,C.G.	Grotle,M. Evaluation of the predictive validity of the Orebro Muskuloskeletal Pain Screening Questionnaire Clin J Pain 25 (2009)666 - 70
Maher,C.	Underwood,M., Buchbinder,R. Non-specific low back pain Lancet 389 (2017)736 – 47 (zit. Hush, 2020)
Maher,C.O.	Henderson,F.C. Lateral exit-zone stenosis and lumbar radiculopathy J Neurosurg 90 (1999)52 – 8 (zit. Sizer et al., 2002)
+Mahlknecht,J.F.	Die Prävalenz von Haltungstörungen bei Kindern und Jugendlichen: eine Querschnittsanalyse Z Orthop Unfallchir 145 (2007)338 – 342
+Mahmud,M.A.	Webster,B.S., Courtney,T.K., Matz,S., Tacci,J.A., Christiani,D.C.

	Clinical management and the duration of disability for work-related low back pain
	J Occup Environ Health 42 (2000)1178 – 87
Mai Nielsen,S.	Siehe Nielsen,S.M.
+Maidhof,R.	Alipui,D.O., Rafiuddin,A., Levine,M., Grande,D.A., Chahine,N.O.
	Emerging trends in biological therapy for intervertebral disc degeneration
	Discov Med 14 (2012)401-11
+Maier,A.	Weh,L., Klein,A., Hamel,M., Lucan,S., Marnitz,U.
	Medizinische Trainingstherapie beim chronischen Rückenschmerz. Ein integraler Bestandteil der interdisziplinären Therapie
	Orthopäde 38 (2009)920 – 7
+Maier,C.	Baron,R.
	Ärzte behandeln keine Mittelwerte – sondern Therapieresponder
	Schmerz 26 (2012)5 - 7
+Maier,C.	Hildebrandt,J., Klinger,R., Henrich-Eberl,C., Lindena,G.
	Morphine responsiveness, efficacy and tolerability in patients with chronic, non-tumor associated pain – results of a double-blind, placebo-controlled trial (MONTAS)
	Pain 97 (2002)223-33
+Maier,C.	Schaub,C., Willweber-Strumpf,A., Zenz,M.
	Langfristige Effekte von Opioiden bei Patienten mit chronischen nicht-tumorbedingten Schmerzen. Ergebnisse einer Nachuntersuchung 5 Jahre nach Ersteinstellung
	Schmerz 19 (2005)410 - 7
+Maier,S.F.	Stressor controllability and stress-induced analgesia
	Ann N Y Acad Sci 467 (1986)55 – 72
+Mairers,M.	Hondras,M.A., Salsbury,A.A., Bronfort,G., Evans,R.

- What do patients value about spinal manipulation and home exercise for back related leg pain? A qualitative study within a controlled clinical trial
- Man Med 26 (2016)183 - 91
- +Maigne,J.Y. Aivaliklis,A., Pfefer,F.
- Results of sacroiliac joint double block and value of sacroiliac pain provocation test in 54 patients with chronic low back pain
- Spine 21 (1996)1889 – 92
- +Maigne,J.Y. Boulahdour,H., Chatellier,G.
- Value of quantitative radionuclide scanning in the diagnosis of sacroiliac joint syndrome 32 patients with low back pain
- Eur Spine J 7 (1998)328 – 31
- +Maigne,J.Y. Guillon,F.
- Highlighting of intervertebral movements and variations of intradiskal pressureduring lumbar spine manipulation: a feasibility study
- J Manipulative Physiol Ther 23 (2000)531 – 5
- +Maigne,J.Y. Planchon,C.A.
- Scaroiliac joint pain after lumbar fusion. A study with anesthetic blocks
- Eur Spine J 14 (2005)654 - 8
- Maigne,R. Diagnostic et traitement des douleurs communes d’origine rachidienne, vol1, 3eme edn. Expansion Scientif Franc, Paris 1989 (so zit. Teyssandier,M.J.)
- +Maigne,R. Das Syndrom des thorakolumbalen Übergangs. Eine Quelle diagnostischer Fehler
- Manuelle Medizin 36 (1998)262 - 8
- Mailleux,P. Vanderhaegen,J.J.
- Distribution of neuronal cannabinoid receptor in the adult rat brain: a comparative receptor binding radioautography and in situ hybridization histochemistry
- Neurosci 48 (1992)655 – 68 (zit. Amaya et al., 2006)

- Main,C.J. The Modified Perception Questionnaire (MSPQ)
J Psychosom Res 27(1983)503 – 14 (zit. Nicholson et al., 2006)
- +Main,C.J. Pain assessment in context: a state of the science review of the McGill pain questionnaire 40 years on
Pain 157 (2016)1387 - 99
- Main,C.J. Burton,A.K.
Economic and occupational influences on pain and disability.
In: Main,C.J., Spanswick,C.C., editors: Pain Management. An Interdisciplinary Approach. Edinburgh: Churchill Livingstone, 2000, S. 63 – 87; (zit. Nicholas, 2022a)
- +Main,C.J. Watson,P.J.
Guarded movements: development of chronicity
J Musculoskelet Pain 4 (1996)163 - 170
- +Main,C.J. Williams,A.C.
Musculoskeletal pain
Brit Med J 325 (2002)534 – 7
- +Main,C.J. Wood,P.I., Hollis,S., Spanswick,C.C., Waddell,G.
The Distress and Risk Assessment Method. A simple patient classification to identify distress and evaluate the risk of poor outcome
Spine 17 (1992)42 – 52
- +Mainka,T. Maier,C., Enax-Krumova,E.K.
Mechanismenbasierte Therapie neuropathischer Schmerzen
Nervenheilkd 36 (2017)324 - 31
- +Maisky,V.A. Pilyavskii,A.I., Kalezic,I., Ljubisavljevic,M., Kostyukov,A.I., Windhorst,U., Johansson,H.
NADPH-diaphorase activity and c-fos expression in medullary neurons after fatiguing stimulation of hindlimb muscles in the rat
Auton Neurosci: Basic Clin 101 (2002)1 – 12

- Maitland,G. Vertebral Manipulation, 5th ed., Oxford: Butterworth Heinemann, 1986: 74 – 6
- Maitland,G. Hengeveld,E., Banks,K.
Vertebral Manipulation, 6th ed., Oxford: Butterworth Heinemann, 2000 (zit. Cleland et al., 2009)
- +Majkowski,G. Jovag,B.W., Taylor,B.T., Taylor,S., Allison,S.C., Stetts,D.M., Clayton,R.L.
The effect of back belt use on isometric lifting force and fatigue of the lumbar paraspinal muscles
Spine 23 (1998)2104 – 9
- +Majchrzycki,M. Mrozikiewicz,P.M., Kocur,P., Bartkowiak-Wieczorek,J., Hoffmann,M., Stryla,W., Seremak-Mrozikiewicz,A., Grzeskowiak,E.
Low back pain in pregnant women
Ginekol Pol 81 (2010)851 – 5
- Major,N.M. Helms,C.A., Richardson,W.J.,
MR imaging of fibrocartilaginous masses arising in the margins of spondylolysis defects
Am J Roentgenol 173 (1999)673 – 6 (zit. Miyauchi et al., 2008)
- +Majuta,L.A. Mitchell,S.A.T., Kuskowski,M.A., Mantyh,P.W.
Anti-nerve growth factor does not change physical activity in normal young or aging mice but does increase activity in mice with skeletal pain
Pain 159 (2018)2285 - 95
- +Mak,J.N.F. Hu,Y., Cheng,A.C.S., Kwok,H.Y., Chen,Y.H., Luk,K.D.K.
Flexion-relaxation ratio in sitting. Application in low back pain rehabilitation
Spine 35 (2010)1532 - 8
- Makary,M.M. Lee,J., Lee,E., Eun,S., Kim,J., Jahng,G.H., Kim,K., Youn,Y.S., Lee,J.H., Park,K.
Phantom acupuncture induces placebo credibility and vicarious sensations: a parallel fMRI study of low back pain patients

- Sci Rep 8 (2018)930 doi.org/10.1038/s41598-017-18870-1
- +Makki,D. Khazim,R., Zaidan,A.A., Ravi,K., Toma,T.
- Single photon emission computerized tomography (SPECT) scan-positive facet joints and other spinal structures in a hospital-wide population with spinal pain
- Spine J 10 (2010)58 - 62
- Makovicka,J.L. Patel,K.A., Deckey,D.G., Hasselbrock,J.D., Chung,A.S., Tummala,S.V., Hydrick,T.C., Gulbrandsen,M., Hartigan,D.E., Chhabra,A.
- Lower back injuries in national collegiate athletic association football players. A 5-season epidemiological study
- Orthop J Sports Med Juni 2019,
doi:10.1177/[2325967119852625](https://doi.org/10.1177/2325967119852625); Zugriff 20.02.2020
- +Makris,U.E. Edwards,T.C., Lavallee,D.C., Bauer,Z., Comstock,B.A., Jarvik,J.G., Patrick,D.L., Lotfi,M., Friedly,J.L.
- Patient priority weighting of the Roland Morris Disability Questionnaire does not change results of the lumbar epidural steroid injections for spinal stenosis trial
- Spine 42 (2017)42 - 8
- +Malanga,G. Wolff,E.
- Evidence-informed management of chronic low back pain with nonsteroidal anti-inflammatory drugs, muscle relaxants and simple analgesics
- Spine J 8 (2008)173 - 184
- +Malanga,G. Wolff,E.
- Evidence-informed management of chronic low back pain with trigger point injections
- Spine J 8 (2008b)243 – 52
- +Malaru,M. Morgan,O.B., Mao,T., Breitsamer,M., Bamber,H., Pöhlmann,M., Schmidt,M.V., Winter,G., Hausch,F., Geranton,S.M.
- The stress regulator FKBP51: a novel and promising druggable target of persistent pain states across sexes
- Pain 159 (2018)1224 - 34

- +Malbohan,I.M. Mojzisova,L., Tichy,J.
Die Rolle der cocccgealen Verspannung bei tiefen Rückenschmerzen
29 (1991)37 - 8
- +Malcangio,M. Microglia and chronic pain
Pain 157 (2016)1002 - 3
- +Malcangio,M. Bowery,N.G.
GABA and its receptors in the spinal cord
Trends Pharmacol Sci 17 (1996)457 – 462
- Maldonado,R. The neurobiology of addiction
J Neural Transmiss 2003:1-14, Supplementum (so zit. Borsook et al., 2007)
- +Malek,N. Mrugala,M., Makuch,W., Kolosowska,N., Przewlocka,B., Binkowski,M., Czaja,M., Morera,E., di Marzo,V., Starowicz,K.
A multi-target approach for pain treatment: dual inhibition of fatty acid amide hydrolase and TRPV1 in a rat model of osteoarthritis
Pain 156 (2015)890 - 903
- +Malenka,R.C. Bear,M.F.
LTP and LTD: an embarrassment of riches
Neuron 44 (2004)5 – 21
- +Malik,K.M. Criteria and treatment of discogenic pain: a systematic review of recent clinical literature
Spine J 13 (2013)1675 - 89
- +Malik, K.M. Nelson,A., Benzon,H.
Disease-modifying antirheumatic drugs for the treatment of low back pain: a systematic review of the literature
Pain Pract 16 (2016)629 - 41
- +Malin,S.A. Davis,B.M., Koerber,H.R., Reynolds,I.J., Albers,K.M., Molliver,D.C.
Thermal nociception and TRPV1 function are attenuated in mice lacking the nucleotide receptor P2Y2

- Pain 138 (2008)484 - 96
- +Malin,S.A. Molliver,D.C., Koerber,H.R., Cornuet,P., Frye,R., Albers,K.M., Davis,B.M.
- Glial cell-derived neurotrophic factor family members sensitize nociceptors in vitro and produce thermal hyperalgesia in vivo
- J Neurosci 26 (2006)8588 – 99
- +Malinen,S. Vartiainen,N., Hlushchuk,Y., Koskinen,M., Ramkumar,P., Forss,N., Kalso,E., Hari,R.
- Aberrant temporal and spatial brain activity during rest in patients with chronic pain
- Proc Natl Acad Sci USA 107 (2010)6493-7
- Malizia,E. Andreucci,G., Paolucci,D., Crescenzi,F., fabbri,A., Fraioli,F.
- Electroacupuncture and peripheral beta-endorphin and ACTH levels
- Lancet 2(8141) (1979)535 – 6 (zit. Bäumlér & Irnich, 2017, steht nur kostenpflichtig zur Verf.)
- +Mallet,C. Daulhac,L., Bonnefont,J., Ledent,C., Etienne,M., Chapuy,E., Libert,F., Eschalier,A.
- Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia
- Pain 139 (2008)190 - 200
- +Malmberg,A.B. Chen,C., Tonegawa,S., Basbaum,A.I.
- Preserved acute pain and reduced neuropathic pain in mice lacking PKCgamma
- Science 278 (1997)279 – 83
- +Malmberg,A.B. Yaksh,T.L.
- Spinal nitric oxide synthesis inhibition blocks NMDA-induced thermal hyperalgesia and produces antinociception in the formalin test in rats
- Pain 54 (1993)291 – 300
- +Malmivaara,A. Erkinntalo,M., Jousimaa,J., Kumpulainen,T., Kuukkanen,T., Pohjolainen,T., Saitsalo,S., Österman,H.

- Aikuisten alaselkäsairaudet (Low back pain among adults. An update within the Finnish Current Care guidelines). Working group by the Finnish Medical Society Duodecim and the Societas Medicinae Physicalis et Rehabilitationis. Fenniae.
- Duodecim 124 (2008) 2237 – 9
- Malmivaara, A. Kotilainen, E., Laasonen, E. et al.
- Clinical Practice Guidelines of the Finnish Medical Association Duodecim. Diseases of the Low Back, Finnish Medical Association, 1999
- (zit. Koes et al., 2001)
- +Malmivaara, A. Häkkinen, U., Aro, T., Heinrichs, M.L., Koskenniemi, L., Kuosma, E., Lappi, S., Paloheimo, R., Servo, C., Vaaranen, V., Hernberg, S.
- The treatment of acute low back pain – bed rest, exercises, or ordinary activity
- N Engl J Med 332 (1995) 351 – 5
- Malmivaara, A. Slätis, P., Heliövaara, M. Sainio, P., Kinnunen, J. et al.
- Surgical or nonoperative treatment for lumbar spinal stenosis?
- Spine 32 (2007) 1 – 8
- +Malter, A.D. Larson, E.B., Urban, N., Deyo, R.A.
- Cost-effectiveness of lumbar discectomy for the treatment of herniated intervertebral disc
- Spine 21 (1996) 1048 – 54
- +Mamet, J. Ladzinski, M., Voilley, N.
- How nerve growth factor drives physiological and inflammatory expressions of acid-sensing ion channel 3 in sensory neurons
- J Biol Chem 278 (2003) 48907 – 13
- +Manca, A. Kumar, K., Taylor, R.S., Jacques, L., Eldabe, S., Meglio, M., Molet J., Thompson, S. und weitere 9 Autoren
- Quality of life, resource consumption and costs of spinal cord stimulation versus conventional medical management in neuropathic pain patients with failed back surgery syndrome

	Eur J Pain 12 (2008)1047 – 58
Manchikanti,L.	Singh,V., Pampati,V., Damron,K.S., Barnhill,R.G., Beyer,C., Cush,K.A.
	Evaluation of the relative contribution of various structures in chronic low back pain
	Pain Physician 4 (2001)308 – 16 ISSN 1533 - 3159
+Manchikanti,L.	Boswell,M.V., Singh,V., Pampati,V., Damron,K.S., Beyer,C.D.
	Prevalence of facet joint pain in chronic spinal pain of cervical, thoracic and lumbar regions
	BMC Musculoskeletal Dis 5 (2004)15 www.biomedcentral.com/1471-2474/5/15
Manchikanti,L.	Kaye,A.M., Knezevic,N.N., McAnally,H., Slavin,K., Trescot,A.M., Blank,S., Pampati, V. und weitere 40 Autoren
	Responsible, safe and effective prescription of opioids for chronic non-cancer pain: American society of interventional pain physicians (ASIPP) guidelines
	Pain Physician 20 (2017)S3 – S 92 (zit. Hamilton et al., 2023)
+Manchikanti,L.	Manchikanti,K.N., Cash,K.A., Singh,V., Giordano,J.
	Age-related prevalence of facet-joint involvement in chronic neck and low back pain
	Pain Physician 11 (2008)67 - 75
+Manchikanti,L.	Singh,V.
	Are the results of a multicenter analysis of radiofrequency denervation success as a function single diagnostic block reliable?
	Spine J 9 (2009)704 - 5
+Manchikanti,L.	Singh,V., Cash,K.A., Pampati,V., Damron,K.S., Boswell,M.V.
	A randomized, controlled, double-blind trial of fluoroscopic caudal epidural injections in the treatment of lumbar disc herniation and radiculitis
	Spine 36 (2011)1897 - 1905
+Manchikanti,L.	Soin,A., Mann,D.P., Bakshi,S., Pampati,V., Hirsch,J.A.

- Comparative analysis of utilization of epidural procedures in managing chronic pain in the Medicare population. Pre and post affordable care act
- Spine 44 (2019)220 - 32
- Manchukonda,R. Manchikanti,K.N., Cash,K.A., Kimberly,A., Pampati,V., Manchikanti,L.
- Facet joint pain in chronic spinal pain: an evaluation of prevalence and fals positive rate of diagnostic blocks
- J Spinal Disord Tech 20 (2007)539 - 45
- +Mancuso,C.A. Duculan,R., Cammisa,F.P., Sama,A.A., Hughes,A.P., Lebl., D.R., Girardi,F.P.
- Fullfillment of patients expectations of lumbar and cervical spine surgery
- Spine J 16 (2016)1167 - 74
- +Mandara,A. Fusaro,A., Musicco,M., Bado,F.
- A randomized controlled trial on the effectiveness of osteopathic manipulative treatment of chronic low back pain
- Int J Osteopath Med 11 (2008)4: 156
- +Mandel,S.S. Schilling,J.L.
- The incidence of subsequent vertebral body fractures after lumbar epidural steroid injection
- Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
- Spine J 12 (2012)Suppl.9: 22
- +Mandel,S. Schilling,J., Peterson,E., Rao,D.S., Sander,W.
- A retrospective analysis of vertebral body fractures following epidural steroid injections.
- J Bone Joint Surg Am 95 (2013)961 - 4
- +Manfredini,D. Castroflorio,T., Perinetti,G., Guarda-Nardini,L.
- Dental Occlusion, body posture and temporomandibular disordcers: where we are now and where we are heading for
- J Oral Rehabil 39 (2012)463 - 71

- +Mangels,M. Schwarz,S., Worringer,U., Holme,M., Rief,W.
Evaluation of a behavioral-medical inpatient rehabilitatin treatment including booster sessions. A randomized controlled study
Clin J Pain 25 (2009)356 – 64
- +Mangione,A.S. Obara,I., Maiaru,M., Geranton,S.M., Tassorelli,C., Ferrar,E., Leese,C., Davletov,B., Hunt,S.P.
Nonparalytic botulinum molecules for the control of pain
Pain 157 (2016)1045 - 55
- +Maniadakis,N. Gray,A.
The economic burden of back pain in the UK
Pain 84 (2000)95 – 103
- +Manjavachi, M.N. Motta,E.M., marotta,D.M., Leite,D.F.P., Calixto,J.B.
Mechanisms involved in IL-6-induced muscular mechanical hyperalgesia in mice
Pain 151 (2010)345 - 55
- +Mann,M. Glasheen-Wray,M., Nyberg,R.
Therapists agreement for palpation and observation of iliac crest heights
Phys Ther 63 (1984)334 – 8
- +Mannello,D.O. Leg length inequality
J Manipulative Physiol Ther 15 (1992)576 – 90
- Manniche,C. ed. Low back pain: frequency, management and prevention from HTA perspective
Danish Institute for Health Technology Assessment, 1999, Vol 1
- +Manniche,C. Asmussen,K., Lauritzen,B., Vinterberg,H., Karbo,H., Abildstrup,S., Fischer-Nielsen,K., Krebs,R., Ibsen, K.
Intensive dynamic back exercise with or without hyperextension in chronic low back pain after surgery for lumbar disc protrusion: A clinical trial
Spine 18 (1993)560 – 7

- +Manniche,C. Asmussen,K., Lauritsen,B., Vinterberg,H., Kreiner,S., Jordan,A.
Low back pain rating scale: validation of a tool for assessment of low back pain
Pain 57 (1994)317 – 26
- +Manniche,C. Hesselsoe,G., Bentzen,L., Christensen,I., Lundberg,E.
Clinical trial of intensive muscle training for chronic low back pain
Lancet 1988: 2 ; 1473 – 6
- +Manniche,C. Lundberg,E., Christensen,I., Bentzen,L., Hesselsoe,G.
Intensive dynamic back exercises for chronic low back pain: A clinical trial
Pain 47 (1991)53 – 63
- +Mannion,A.F. Fiber type characteristics and function of the human paraspinal muscles: normal values and changes in association with low back pain (review)
J Electromyogr Kinesiol 9 (1999)363 - 77
- +Mannion,A.F. Adams,M.A., Dolan,P.
Sudden and unexpected loading generates high forces on the lumbar spine
Spine 25 (2000)842 – 52
- +Mannion,A.F. Brox,J.I., Fairbank,J.C.T.
Comparison of spinal fusion and nonoperative treatment in patients with low back pain: long-term follow-up of three randomized controlled trials
Spine J 13 (2013a)1438 - 48
- +Mannion,A.F. Brox,J.I., Fairbank,J.C.T.
Consensus at last! Long-term results of all randomized controller trials, show that fusion is no better than non-operative care in improving pain and disability in chronic low back pain. (Commentary)
Spine J 16 (2016)588 - 90
- +Mannion,A.F. Caporaso,F., Pulkovski,N., Sprott,H.

- Goal attainment scaling as a measure of treatment success after physiotherapy for chronic low back pain
- Rheumatology (Oxford) 49 (2010)1734 – 8
- +Mannion,A.F. Caporaso,F., Pulkovski,N., Sprott,H.
- Spine stabilisation exercises in the treatment of chronic low back pain: a good clinical outcome is not associated with improved abdominal muscle function
- Eur Spine J 21 (2012)1301 - 10
- +Mannion,A.F. Conolly,B., Wood,K., Dolan,D.
- The use of surface EMG power spectral analysis in the evaluation of back muscle function
- J Rehab Res Dev 34 (1997)427 – 39
- +Mannion,A.F. Dolan,P., Adams,M.A.
- Psychological questionnaires: Do “abnormal” score precede or follow first time low back pain?
- Spine 21 (1996)2603 – 11
- +Mannion,A.F. Dvorak,J., Taimela,S., Müttenner,M.
- Kraftzuwachs nach aktiver Therapie bei Patienten mit chronischen Rückenschmerzen. Muskuläre Adaptationen und klinische Relevanz
- Schmerz 15 (2001a)468 - 73
- +Mannion,A.F. Dvorak,J., Taimela,S., Müttenner,M.
- Lumbale Rückenschmerzen. Vergleich von drei aktiven Therapieverfahren
- Deutsche Fassung einer Erstpublikation in Rheumatology 40 (2001)772 – 8
- Manuelle Med 39 (2001b)170 - 6
- +Mannion,A.F. Elfering,A., Staerke,R., Junge,A., Grob,D., Semmer,N.K., Jacobshagen,N., Dvorak,J., Boos,N.
- Outcome assessment in low back pain: how low can you go?
- Eur Spine J 14 (2005)1014 – 26
- +Mannion,A.F. Junge,A., Elfering,A., Dvorak,J., Porchet,F., Grob,D.

Great expectations. Really the novel predictor of outcome after spinal surgery?

Spine 34 (2009)1590 - 9

+Mannion,A.F.

Junge,A.F., Fairbank,J.C.T., Dvorak,J., Grob,D.

Development of a German version of the Oswestry Disability Index: 1. Cross-cultural adaptation, reliability and validity

Eur Spine J 15 (2006)55 – 65

+Mannion,A.F.

Junge,A., Taimela,S., Müntener,M., Lorenzo,K., Dvorak,J.

Active therapy for chronic low back pain. Part 3: factors influencing self-rated disability and its change following therapy

Spine 26 (2001)920 – 9

+Mannion,A.F.

Käser,L., Weber,E., Rhyner,A., Dvorak,J., Müntener,M.

Influence of age and duration of symptoms on fiber distribution and size of the back muscles in chronic low back pain patients

Eur Spine J 9 (2000)273 – 81

+Mannion,A.F.

Müntener,M., Taimela,S., Dvorak,J.

A randomized clinical trial of three active therapies for chronic low back pain

Spine 24 (1999)2435 – 48

+Mannion,A.F.

Müntener,M., Taimela,S., Dvorak,J

Comparison of three active therapies for chronic low back pain: results of a randomized clinical trial with one-year follow-up

Rheumatology (Oxford) 40 (2001)772 – 8

+Mannion,A.F.

O’Riordan,D., Dvorak,J., Masharawi,Y.

The relationship between psychological factors and performance on the Biering-Sorensen back muscle endurance test

Spine J 11 (2011)849 – 57

-Mannion,A.F.

Porchet,F., Kleinstück,F. et al.

- The quality of spine surgery from the patient's perspective:
part I. The Core Outcome Measures Index (COMI) in clinical
practice
- Eur Spine J 18 (2009)Suppl 3: 367 – 73 (zit. Fekete et al.,
2016)
- +Mannion,A.F. Taimela,S., Müntener,M., Dvorak,J.
- Active therapy for chronic low back pain. Part 1: effects on
back muscle activation, fatigability, and strength
- Spine 26 (2001)897 – 908
- +Mannion,A.F. Weber,B.R., Dvorak,J., Grob,D., Müntener,M.
- Fiber type characteristics of the lumbar paraspinal muscles in
normal healthy subjects and in patients with low back pain
- J Orthop Res 15 (1997)881 – 7
- +Mannion,A.F. Wieser,S., Elfering,A.
- Association between beliefs and care-seeking behavior for
low back pain
- Spine 38 (2013)1016 - 25
- +Mannion,R.J. Costigan,M., Decosterd,I., Amaya,F., Ma,Q.P., Holstege,R.R.,
Acheson,A., Lindsay,R.M., Wilkinson,G.A., Woolf,C.J.
- Neurotrophins: peripherally and centrally acting modulators
of tactile stimulus-induced inflammatory pain hypersensitivity
- Proc Natl Acad Sci USA 96 (1999)9385 – 90
- +Männistö,P.T. Kaakkola,S.
- Catechol-O-methyltransferase (COMT):
biochemistry,molecular biology, pharmacology and clinical
efficacy of the new selective COMT inhibitors
- Pharmacol Rev 51 (1999)593 – 628
- +Manresa,J.A.B. Neziri,A.Y., Curatolo,M., Arendt-Nielsen,L., Andersen,O.K.
- Reflex receptive fields are enlarged in patients with
musculoskeletal low back and neck pain
- Pain 154 (2013)1318 - 24
- +Mansell,G. Hill,J., Main,C.J., von Korf, M., van der Windt,D.

- Mediators of treatment effect in the back in action trial.
Using latent growth modeling to take change over time into account
- Clin J Pain 33 (2017)811 - 9
- +Mansour,A.R. Baliki,M.N., Huang,L., Torbey,S., Herrmann,K.M., Schnitzer,T.J., Apkarian,A.V.
- Brain white matter structural properties predict transition to chronic pain
- Pain 154 (2013)2160 - 8
- +Mansour,Z.M. Lepping,R.J., Honea,R.A., Brooks,W.M., Yeh,H.W., Burns,J.M., Sharma,N.K.
- Structural brain imaging in people with low back pain
- Spine 42 (2017)726 - 32
- +Mansvelder,H.D. Keath,J.R., McGehee,D.S.
- Synaptic mechanisms underlie nicotine-induced excitability of brain reward areas
- Neuron 33 (2002)905 – 19
- +Mantyh,P.W. Allen,C.J., Ghilardi,J.R., Rogers,S.D., Mantyh,C.R., Liu,H., Basbaum,A.I., Vigna,S.R., Maggio,J.E.
- Rapid endocytosis of a G protein-coupled receptor: substance-P evoked internalization of its receptor in the rat striatum in vivo
- Proc Natl Acad Sci USA 92 (1995)2622 – 6
- +Mantyh,P.W. Rogers,S.D., Honore,P., Allen,B.H, Ghilardi,J.R., Li,J., Daughters,R.S., Lappi,D.A., Wiley,R.G., Simone,D.A.
- Inhibition of hyperalgesia by ablation of lamina I spinal neurons expressing the substance P receptor
- Science 278 (1997)275 – 9
- +Mäntyselkä,P. Pain today – disability tomorrow. Commentary
- Pain 153 (2012)507 - 8
- +Manzoni,C. Mennini,T.

	Arachidonic acid inhibits 3H-glutamate uptake with different potencies in rodent central nervous system regions expressing different transporter subtypes
	Pharmacol Res 35 (1997)149 – 51
Mao,J.	Opioid tolerance and neuroplasticity
	Novartis Found Symp 261 (2004)181 – 93 (zit. Finkel & Pukish, 2019)
+Mao,J	Opioid-induced hyperalgesia
	Pain – Clinical Updates 16 (2008)2:1 - 4
+Mao,J.	Price,D.D., Hayes,R.L., Lu,J., Mayer,D.J.
	Differential roles of NMDA and non-NMDA receptor activation in induction and maintenance of thermal hyperalgesia in rats with painful peripheral mononeuropathy
	Brain Res 598 (1992a)271 – 8
-Mao,J.	Price,D.D., Hayes,R.L., Lu,J., Mayer,D.J.
	Intrathecal GM1 ganglioside and local nerve anesthesia reduce nociceptive behaviors in rats with experimental peripheral mononeuropathy
	Brain Res 584 (1992b)28 – 53 (zit. Sung et al., 2007)
+Mao,J.	Price,D.D., Mayer,D.J.
	Mechanisms of hyperalgesia and morphine tolerance: a current view of their possible interactions
	Pain 62 (1995)259 – 74
+Maor,G.	Rochwerger,M., Segev,Y., Phillip,M.
	Leptin acts as a growth factor on the chondrocytes of skeletal growth centers
	J Bone Miner Res 17 (1998)1034 – 43
+Mapel,D.W.	Shainline,M., Paez,K., Gunter,M.
	Hospital., pharmacy and outpatient costs for osteoarthritis and chronic back pain
	J Rheumatol 31 (2004)573 – 83

- +Mapplebeck,J.C.S. Dalgarno,R., Tu,Y.S., Moriarty,O., Beggs,S., Kwok,C.H.T., Halievski,K., Assi,S., Mogil,J.S., Trang,T., Salter,M.W.
Microglial P2X₄R- evoked pain hypersensitivity is sexually dimorphic in rats
Pain 159 (2018)1752 - 63
- +Maragakis,N.J. Rothstein,J.D.
Glutamate transporters: animal models to neurologic disease
Neurobiol Dis 15 (2004)461 – 73
- +Marangell,L.B. Clauw,D.J., Choy,E., Wang,F., Shoemaker,S., Bradley,L., Mease,P., Wohlreich,M.M.
Comparative pain and mood effects in patients with comorbid fibromyalgia and major depressive disorder: Secondary analyses of four pooled randomized controlled trials of duloxetine
Pain 152 (2011)31 - 37
- +Marbacher,S. Mannion,A.F., Burkhardt,J.K., Schär,R.T., Porchet,F., Kleinstück,F., Jeszensky,D., Fekete,T.F., Haschtmann,D.
Patient-rated outcomes of lumbar fusion in patients with degenerative disease of the lumbar spine. Does age matter?
Spine 41 (2016)893 - 900
- Marchand,F. Peretti,M., McMahon,S.B.
Role of the immune system in chronic pain
Nat Rev Neurosci 6 (2005)521 – 32
- +Marchand,F. D’Mello,R., Yip,P.K., Calvo,M., Muller,E., Pezer,S., Dickenson,A.H., McMahon,S.B.
Specific involvement of atypical PKCzeta/PKMzeta in spinal persistent nociceptive processing following peripheral inflammation in rat
Mol Pain 7 (2011)86
- +Marchand,F. Tsantoulas,C., Singh,D., Grist,J., Bradbury,E.J., McMahon,S.B.
Effects of etanercept and minocayline in a rat model of nerve injury
Eur J Pain 13 (2009)673 – 81

- +Marchand,S. Spinal cord stimulation analgesia: substantiating the mechanisms for neuropathic pain treatment
Pain 156 (2015)364 - 5
- +Marchettini,P. Simone,D.A., Caputi,G., Ochoa,J.L.
Pain from excitation of identified muscle nociceptors in humans
Brain Res 740 (1996)109 – 16
- Marcotte,D. Use of topiramate, a new antiepileptic as a mood stabilizer
J Affect Disord 50 (1998)245 – 51 (zit. Muehlbacher et al., 2006)
- +Marcuzzi,A. Dean,C.M., Wrigley,P.J., Hush,J.M.
Early changes in somatosensory function in spinal pain: a systematic review and meta-analysis
Pain 156 (2015)203 - 14
- Maren,S. Synaptic mechanisms of associate memory in the amygdala
Neuron 47 (2005)783 – 6 (zit. Neugebauer, 2007)
- +Margolis,R.B. Tait,,R.C., Krause,S.I.
A rating system for use with patient pain drawing
Pain 24 (1986)57 – 85
- Margoshes,B.G. Webster,B.S.
Why do occupational injuries have different health outcomes?
In: Mayer,T.G., Gatchel,R.J., Polatin,P.B. (eds) Occupational Musculoskeletal Disorders. Philadelphia, Lippincott, Williams & Wilkins, 2000 (zit. Atlas et al., 2006)
- +Marhold,C. Linton,S.J., Melin,L.
A cognitive-behavioral return-to-work program: effects on pain patients with a history of long-term versus short-term sick leave
Pain 91 (2001)155 – 63
- +Mariathan,S. Newton,K., Monack,D.M., Vucic,D., French,D.M., Lee,W.P., Roose-Girma,M., Erickson,S., Dixit,V.M.

- Differential activation of the inflammasome by caspase-1 adaptors ASC and Ipaf
Nature 430 (2004)213 – 8
- +Marin,T.J. Furlan,A.D., Bombardier,C., van Tulder,M.
Fifteen years of the Cochrane Back Review Group
Spine 38 (2013)2057 – 63
- (+)Marin,T.J. van Eerd,D., Irvin,E., Couban,R., Koes,B.W., Malmivaara,A.,
van Tulder,M.W., Kamper,S.J.
Multidisciplinary biopsychosocial rehabilitation for subacute low back pain
Cochrane Library (2017) doi :
10.1080/10669817.2017.1350328, (Internetzugriff 2.11.2017)
- +Marinelli,S. Nazio,F., Tinari,A., Ciarlo,L., d’Amelio,M., Pieroni,L., Vacca,V.,
Urbani,A., Cecconi,F., Malorni,W., Pavone,F.
Schwann cell autophagy counteracts the onset and chronification of neuropathic pain
Pain 155 (2014)93 - 107
- +Marinelli,S. Vaughan,C.W., Schnell,S.A., Wessendorf,M.W., Christie,M.J.
Rostral ventromedial medulla that project to the spinal cord express multiple opioid receptor phenotypes
J Neurosci 22 (2002)10847 – 55
- +Marino,E.N. Rosen,K.D., Gutierrez,A., Eckmann,M., Ramamurthy,S.,
Potter,J.S.
Impulsivity but not sensation seeking is associated with opioid analgesic misuse risk in patients with chronic pain
Addict Behav 38 (2013)2154 - 7
- +Marino,M.J. Terashima,T., Steinauer,J.J., Eddinger,K.A., Yaksh,T.L., Xu,Q.
Botulinum toxin B in the sensory afferent: Transmitter release, spinal activation and pain behaviour
Pain 155 (2014)674 - 84
- +Markman,J.D. Editorial: Not so fast: the reformulation of fentanyl and breakthrough chronic non-cancer pain

	Pain 136 (2008)227 - 9
+Markman,J.D.	Bolash,R.B., McAlindon,T.E., Kivitz,A.J., Pombo-Suarez,M., Ohtori,S., Roemer,F.W., Li,D.J., Viktrup,L., Bramson,C., West,C.R., Verburg,K.M. Tanezumab for chronic low back pain: a randomized, double-blind, placebo- and active controlled, phase 3 study of efficacy and safety
	Pain 161 (2020)2068 - 78
Markov,M.	Pilla,A.A. Electromagnetic field stimulation of soft tissues
	Wounds 7 (1995)143 – 151 (zit. Harden et al., 2007)
Marks,R.C.	Houston,T., Thulbourne,T. Facet joint injection and facet nerve block: a randomized comparison in 86 patients in chronic low back pain
	Pain 49 (1992)325 – 8
+Marnitz,U.	Weh,L., Müller,G., Seidel,W., Bienek,K., Lindena,G., Gussek,A. Integrationsversorgung von Patienten mit Rückenschmerzen: Schmerzbezogene Ergebnisse und Arbeitsfähigkeit
	Schmerz 22 (2008)415 - 23
+Maroudas,A.	Stockwell,R.A., Nachemson,A., Urban,J. Factors involved in the nutrition of the human lumbar intervertebral disc: cellularity and diffusion of glucose in vitro
	J Anat 120 (1975)113 – 30
+Marquardt,G.	Bruder,M., Theuss,S., Setzer,M., Seifert,V. Ultra-long term outcome of surgically treated, far lateral, extraforaminal lumbar disc herniation
	Eur Spine J 21 (2011)660 - 5
+Marras,W.	Davis,K.G., Ferguson,S.A., Lucas,B.R., Gupta,B. Spine loading characteristics of patients with low back pain compared with asymptomatic individuals
	Spine 26 (2001)2566 – 74
-Marras,W.S.	Davis,K.G., Heaney,C.A. et al.

- The influence of psychosocial stress, gender, and personality on mechanical loading of the lumbar spine
Spine 25 (2000)3045 – 54 (zit. Finestone et al., 2008)
- +Marras,W.S. Fathallah,F., Miller,R., Davis,S.W., Mirka,G.A.
Accuracy of a three-dimensional lumbar motion monitor for recording trunc motion characteristics
Int J Ind Ergon 9 (1992)75 – 87
- +Marras,W.S. Ferguson,S.A., Burr,D., Schabo,P., Maronitis,A.
Low back pain recurrence in occupational environments
Spine 32 (2007)2387 - 97
- +Marras,W.S. Jorgensen,M.J., Davis,K.G.
Effect of foot movement and an elastic lumbar back support on spinal loading during free-dynami symmetric and asymmetric lifting exertions
Ergonomics 43 (2000)653 – 68
- +Marras,W.S. Lavender,S.A., Leurgans,S.E., Rajulu,S.L., Allread,W.G., Fatallah,F.A., Ferguson,S.A.
The role of dynamic three-dimensional motion in occupationally-related low back disorders: the effects of workplace factors, trunk position, and trunk motion characteristics on risk of injury
Spine 18 (1993)617 – 28
- +Marret,E. Kurdi,O., Zufferey,P., Bonnet,F.
Effects of nonsteroidal antiinflammatory drugs on patient-controlled analgesia morphine side effects: meta-analysis of randomized controlled trials
Anesthesiology 102 (2005)1249 – 60
- +Marriott,A. Newmann,N.M., Gracovetsky,S.A., Richards,M.P., Asselin,S.
Improving the evaluation of benign low back pain
Spine 24 (1999)952 – 60
- +Marsala,J. Lukacova,N., Ciskova,D., Lukac,I., Kucharova,K., Marsala,M.

Premotor nitric oxide synthase immunoreactive pathway connecting lumbar segments with the ventral motor nucleus of the cervical enlargement of the dog

J Chem Neuroanat 27 (2004)43 – 54

+Marshall,U.

L'hoest, H.

Opioidtherapie in der Versorgungsrealität. Ein Beitrag zur Diskussion um ein weitverbreitetes Arzneimittel

Barmer GEK Gesundheitswesen aktuell 2011: 242 – 69 (zit Just et al., 2016)

+Marshall,G.E.

Shehab,S.A., Spike,R.C., Todd,A.J.

Neurokinin-1 receptors on lumbar spinothalamic neurons in the rat

Neurosci 72 (1996)255 – 63

+Marshall,L.L.

Trethewie,E.R., Curtain,C.C.

Chemical radiculitis. A clinical, physiological and immunological study

Clin Orthop 129(1977)61 – 7

+Marshall,P.

Murphy,B.

Changes in flexion relaxation response following an exercise intervention

Spine 31 (2006)E877 – 83

+Marshall,P.

Murphy,B.

The effect of the sacroiliac joint manipulation on feed forward activation times of the deep abdominal musculature

J Manipulative Physiol Ther 29 (2006a)196 - 202

+Marshall,P.

Murphy,B.

Self-report measures best explain changes in disability compared with physical measures after exercise rehabilitation for chronic low back pain

Spine 33 (2008)326 – 38

- +Marshall,T.M. Herman,D.S., Largent-Milnes,T.M., BadghisiH., Zuber,K., Holt,S.C., Lai,J., Porreca,F., Vanderah,T.W.
- Activating of descending pain-facilitatory pathways from the rostral ventromedial medulla by cholecystokinin elicits the release of prostaglandin-E2 in the spinal cord
- Pain 153 (2012)86 - 94
- +Marsicano,G. Goodenough,S., Monory,K., Hermann,H., Eder,M., Cannich,A., Azad,S.C. Cascio,M.G und weitere 9 Autoren
- CB 1 cannabinoid receptors and on-demand defence against endotoxicity
- Science 302 (2003)84 – 8
- +Marsicano,G. Wotjak,C.T., Azad,S.H., Bisogno,T., Rammes,G., Cascio,M.G., Hermann,H., Tang,J., Hofmann,C., Zieglgänsberger,W., di Marzo,V., Lutz,B.
- The endogenous cannabinoid system controls extinction of aversive memories
- Nature 418 (2002)530 – 4
- +Martel,M.O. Thibault,P., Sullivan,M.J.L.
- The persistence of pain behaviors in patients with chronic back pain is independent of pain and psychological factors
- Pain 151 (2010)330 - 6
- Martel-Pelletier,J et al. Cytokines and their role in the pathophysiology of osteoarthritis
- Front Biosci 15 (1999)694 – 703 (zit. Tachihara et al., 2007)
- +Martell,B.A. O'Connor,P.G., Kerns,R.D., Becker,W.C., Morales,K.H., Kosten,T.R., Fiellin,D.A.
- Opioid treatment for chronic low back pain: prevalence, efficacy, and association with addiction
- Ann Intern Med 146 (2007)116 – 27
- (+)Marti-Salvador,M. Hildalgo-Moreno,L., Domenech-Fernandez,J.
- Osteopathic manipulative treatment including specific diaphragm techniques improves pain and disability in chronic non-specific low back pain: a randomized trial

- Arch Phys Med Rehab (2018)
doi.org/10.1016/j.apmr.2018.04.022 (in Press)
- +Martikainen,I.K. Pecifia,M., Love,T.M., Nuechterlein,E.B., Cummiford,C.M.,
Green,C.R., Harris,C.E., Stohler,C.S., Zubieta,J.K.
- Alterations in endogenous opioid functional measures in
chronic back pain
- J Neurosci 33 (2013)14729 – 37
- +Martin,B.I. Deyo,R.A., Mirza,S.K., Turner,J.A., Comstock,B.A.,
Hollingworth,,W., Sullivan,S.d.
- Expenditures and health status among adults with back and
neck problems
- JAMA 299 (2008)656 – 64
- +Martin,B.I. Mirza,S.K., Comstock,B.A., Gray,D.T., Kreuter,W., Deyo,R.A.
- Are lumbar spine reoperation rates falling with greater use of
fusion surgery and new surgical technology?
- Spine 32 (2007)2119 – 26
- +Martin,C.R. Gruszczynski,A.T., Braunsfurth,H.A., Fallatah,S.M., O'Neill,J.,
- The surgical management of degenerative lumbar
spondylolisthesis: a systematic review
- Spine 32 (2007)1791 – 8
- +Martin,J.A. Buckwalter,J.A.
- The role of chondrocyte senescence in the pathogenesis of
osteoarthritis and in limiting cartilage repair
- J Bone Joint Surg Am 85 (2003)Suppl 2: 106 – 10
- +Martin,L. Auge,C., Boue,J., Buresi,M.C., Chapman,K., Asfaha,S.,
Andrade-Gordon,P., Steinhoff,M., Cenac,N., Dietrich,G.,
Vergnolle,N.
- Thrombin receptor: an endogenous inhibitor of
onflammatory pain, activating opioid pathways
- Pain 146 (2009)121 - 9
- +Martin,M.K. Rodriguez,R., Guerrero,G., Sheehan,G.D., Powell,R.,
Klein,A.H., Bhattacharjee,A.

- Pharmacologically enabling the degradation of Na_v1.8 channels to reduce neuropathic pain
- Pain 166 (2025)1191 – 1203
doi.org/10.1097/j.pain.0000000000003470
- +Martin,M.L. Blum,S.I., Liedgens,H., Bushnell,D.M., Mccarrier,K.P., Hatley,N.V., Ramasamy,A., FreynhagenR., Wallace,M., Argoff,C., Eerdeken,M., Kok,M., Patrick,D.L.
- Mixed-methods development of a new patient-reported outcome instrument for chronic low back pain: part 1 – the Patient Assessment for Low Back Pain – Symptoms (PAL-S)
- Pain 159 (2018)1045 - 55
- +Martina,M. Transient synapses, permanent pain (commentary)
- Pain 162 (2021)1279 – 80
doi.org/10.1097/j.pain.0000000000002148
- +Martins,D.E. Astur,N., Kanas,M., Ferretti,M., Lenza,M., Wajchenberg,M.
- Quality assessment of systematic reviews for surgical treatment of low back pain: an overview
- Spine J 16 (2016)667 - 75
- +Martins,D.F. Mazzardo-Martins,L., Soldi,F., Stramosk,J., Piovezan,A.P., Santos,A.R.
- High-intensity swimming exercise reduces neuropathic pain in an animal model of complex regional pain syndrome type I: evidence for a role of the adenosinergic system
- Neuroscience 234 (2013)69 – 76
- +Martins,I. Carvalho,P., de Vries,M.G., Teixeira-Pinto,A., Wilson,S.P., Westerink,B.H.C., Tavares,I.
- GABA acting on GABA_B receptors located in a medullary pain facilitatory area enhances nociceptive behaviors evoked by intraplantar formalin injection
- Pain 156 (2015)1555 - 65
- +Martinez,V. Szekely,B., Lemarie,J., Martin,F., Gentili,M., Ben Ammar,S., Lepeintre,J.F., Gerreau de Loubresse,C.,Chauvin,M., Bouhassira,D., Fletcher,D.

- The efficacy of a glial inhibitor, minocycline, for prevention persistent pain after lumbar discectomy: a randomized, double-blind, controlled study
- Pain 154 (2013)1197 - 1203
- (+)Martinez-Calderon,J. Florez-Cortez,M., Morales-Asencio,J.M., Luque-Suarez,A.
- Pain-related fear, pain-intensity and function in individuals with chronic musculoskeletal pain. A systematic review and meta-analysis
- J Pain (2019) in press doi.org/10.1016/j.jpain.2019.04.009
- (+)Martinez-Calderon,J. Florez-Cortez,M., Morales-Asencio,J.M., Luque-Suarez,A.
- Conservative interventions reduce fear in individuals with chronic low back pain : a systematic review
- Arch Phys Med Rehab (2019) in press ; doi.org/10.1016/j.apmr.2019.08.470
- +Martinez-Lorenzana,G. Espinoza-Lopez,L., Carranza,M., Aramburo,C., Paz-Tres,C., Rojas-Piloni,G., Condez-Lara,M.
- PVN electrical stimulation prolongs withdrwal latencies and releases oxytocin in cerebrospinal fluid, plasma, and spinal cord tissue in intact and neuropathic rats
- Pain 140 (2008)265 - 73
- +Martindale,J.C. Wilson,A.W., Reeve,A.J., Chessell,I.P., Headley,P.M.
- Chronic secondary hypersensitivity of dorsal horn neurones following inflammation of the knee joint
- Pain 133 (2007)79 - 86
- +Martinon,F. Mayor,A., Tschopp,J.
- The inflammasomes: guardians of the body
- Annu Rev Immunol 27 (2009)229 – 65 (zit. Lopes et al., 2015)
- +Martinon,F. Petrilli,V., Mayor,A., Tardivel,A., Tschopp,J.
- Gout-associated uric acid crystals activate the NALP3 inflammasome
- Nature 440 (2006)237 – 41

- +Martucci,C. Trovato, Costa,B., Borsani,E., Franchi,S., Magnaghi,V., Panerai,A.E., Rodella,L.F., Valsecchi,A.E., Sacrdote,P., Colleoni,M.
- The purinergic antagonist PPADS reduces pain related behaviours and interleukin-1 beta, interleukin-6, iNOS and nNOS overproduction in central and peripheral nervous system after peripheral neuropathy in mice
- Pain 137 (2008)81 - 95
- +Martuscello,R.T. Spengler,R.N., Bonoiu,A.C., Davidson,B.A., Helinski,J., Ding,H., Mahajan,S., Kumar,R., Bergey,E.J., Knight,P.B., Prasad,P.N., Ignatowski,T.A.
- Increasing TNF-levels solely in the rat hippocampus predices persistent pain-like symptoms
- Pain 153 (2012)1871 - 82
- +Marty,C. Boisaubert,B., Deschamps,H., Montigny,J.P., Hecquet,J., Legaye,J., Duval-Beaupere,G.
- The sagittal anatomy of the sacrumamong young adults, infants, and spondylolisthesis patients
- Eur Spine J 11 (2002)119 – 25
- +Marty,M. Rozenberg,S., Legout,V., Durand-Zaleski,I., Moyse,D., Henrotin,Y., Perrot,S.
- Influence of time, activities and memory on the assessment of chronic low back pain intensity
- Spine 34 (2009)1604 - 9
- Maruo,K.. Yamamoto,H., Yamamoto,S., Nagata,T., Fijikawa,H., Kanno,T., Yaguchi,T., Maruo,S., Yoshiya,S., Nishizaki,T.
- Modulation pf P2X receptors via adrenergic pathways in the rat dorsal root ganglion neurons after sciatic nerve injury
- Pain 120 (2006)106 - 12
- +Maruta,T. Prescription drug-induced organic brain syndrome
- Am J Psychiatr 135 (1978)376 – 7
- +Marx,G. Verbesserte manuelle Testverfahren am Sakroiliakalgelenk. Vergleichende klinische Untersuchung: Patrick-Test gegen Priener Abduktionstest

- Manuelle Med 46 (2008)169 - 71
- +Marx,J. Drugs inspired by a drug
Science 311 (2006)322 – 5
- +Mascio,G. Notartomaso,S., Ginerete,R.P., Imbriglio,T., Bucci,D.,
Liberatore,F., Ceccherelli,A., ..., Bruno,V. und weitere 5
Autoren
Formation of perineural nets within a thalamocortical circuit
shapes mechanical and thermal pain thresholds in mice with
neuropathic pain
Pain 1166 (2025)1128 – 42
doi.org/10.1097/j.pain.0000000000003563
- +Maser,D. Müller,D., Bingel,U., Müßgens,D.
Ergebnisse einer Pilotstudie zur Rolle der
Therapieerwartungen bei der interdisziplinären
multimodalen Schmerztherapie bei chronischen
Rückenschmerzen
Schmerz 36 (2022)172 – 81 doi/10.1007/s00482-021-00590-
1
- Masharawi,Y.M. Alperoviitch-Najenson,D., Steinberg,N., Dar,G., Peleg,S.,
Rothschild,B., Salame,K., HersHKovitz,I.
Lumbar facet orientation in spondylolysis: a skeletal study
Spine 32 (2007)E 176 -80
- Mashayekhi,F. Shafiee,G., Kazemi,M., Dolati,P.
Lumbar disc degeneration disease and aggrecan gene
polymorphism in noerthern Iran
Biochem Genet 48 (2010)684 – 9 (zit Kepler et al. 2013)
- Masquelier,E. le Polain,B., Vissers,K., Crombez,G., de Laat,A.
Rugpijn in Belgie: een epidemiologische enquete
Newsletter Belgian Pain Soc (2002)11 (zit. van Zundert & van
Kleef, 2005)
- +Mason,D. Glossary of osteopathic terminology
In: Chila,A.G. (ed.): Foundations of Osteopathic Medicine, 3rd
ed., Baltimore,MD, Lippincott Williams & Wilkins, 2011, 682 -
727

- +Mason,J.W. Wang,S., Yehuda,R., Riney,S., Charney,D.S., Southwick,S.M.
Psychogenic lowering of urinary cortisol levels linked to increased emotional numbing and a shame-depressive syndrome in combat-related posttraumatic stress disorder
Psychosom Med 63 (2001)387 – 401
- +Mason,L. Moore,A., Edwards,R.A., McQuay,H.J., Derry,S., Wiffen,P.J.
Systematic review of efficacy of topical rubefacients containing salicylates for the treatment of acute and chronic pain
BMJ 328 (2004)995
- +Mason,P. From descending pain modulation to obesity via the medulla raphe
Pain 152 (2011)S20 – S24
- +Mason,V.L. Mathias,B., Skevington,S.
Accepting low back pain : is it related to a good quality of live ?
Clin J Pain 14 (2008)22 – 9
- +Mason,V.L. Skevington,S.M :, Osborn,M.
Development of a pain and discomfort module for use with the WHOQOL-100
Qual Life Res 13 (2004a)1139 – 52
- +Mason,V.L. Skevington,S.M :, Osborn,M.
Assessing the properties of the WHOQOL-Pain : quality of life of chronic low back pain patients during treatment
Clin J Pain 26 (2010)583 – 92
- Massague,J. Wotton,D.
Transcriptional control by the TGF-beta/Smad signaling system
EMBO J 19 (2000)8 : 1745 – 54 (zit. Hollenberg et al., 2021)
- +Masse-Alarie,H. Flamond,V.H., Moffet,H.,Schneider,C.
Corticomotor control of deep abdominal muscles in chronic low back pain and anticipatory postural adjustment
Exp Brain Res 218 (2012)99 – 109

+Masse-Alarie,H.

Flamond,V.H., Moffet,H., Schneider,C.

Peripheral neurostimulation and specific motor-training of deep abdominal muscles improve posturomotor control in chronic low back pain

Clin J Pain 29 (2013)814 - 23

+Massie,J.B

Schimizzi,A.L., Huang,B., Kim,C.W., Garfin,S.R..Akeson,W.H.

Topical high molecular weight hyaluronan reduces radicular pain post laminectomy in a rat model

Spine J 5 (2005) 494 - 502

Massion, J.

Postural control system

Curr Opin Neurobiol 4 (1994)877 – 84 (zit. Corbeil et al., 2004)

-Masuda,K. et al.

Growth factors and treatment of intervertebral disc degeneration

Spine 29 (2004)2757 – 69 (zit. Zhang et al., 2006)

Masuoka, K.

Michalek, A.J., MacLean, J.J., Stokes, I.A.F., Iatridis, J.C.

Different effect of static versus cyclic compressive loading on rat intervertebral disc height an water loss in vitro

Spine 32 (2007)1974 -9

+Matamalas,A.

Ramirez,M., Mojal,S., de Frutos,A.G., Molina,A., Salo,G.,
Llado,A., Caceres,E.

The Visual Analog Scale and a five item verbal rating scale are not interchangeable for back pain assessment in lumbar spine disorders

Spine 35 (2010)E 1115–9

+Mataran-Penarrocha,G.A.

Castro-Sanchez,A.M., Garcia,G.C. , Moreno-Lorenzo,C.,
Parron Carreno,T., Onieva Zafra,M.D.

Influence of craniosacral therapy on anxiety, depression and quality of live in patients with fibromyalgie

Evid Based Complement Alternat Med (2011)561753

+Mathew,A.

Safar,R., Anithadevi,T., Banu,M.S., Lakshmanan,S., Shankar,R.,
Rai,B.K.D., Chacko,T.V.

- The prevalence and correlates of low back pain in adults: a cross sectional study from southern India
Int J Med Public Health 3 (2013)342 - 6
- +Mathew,L. Winfree,C., Miller-Saultz,D., Sonity,N.
Transcutaneous electrical nerve stimulator trial may be used as a screening tool to spinal cord stimulator implantation
Pain 150 (2010)327 – 31
- +Mathews,H.L. Janusek,I.
Epigenetics and psychoneuroimmunology: mechanisms and models
Brain Behav Immun 25 (2011)25 – 39
- +Mathews,J.A. Mills,S.B., Jenkins,V.M., Grimes,S.M., Morkel,M.J., Mathews,W., Scott,C.M., Sittampalam,Y.
Back pain and sciatica: controlled trials of manipulation, traction, sclerosant and epidural injections
Br J Rheumatol 26 (1987)416 – 23
- Mathews,J.L. Smrcka,A.V., Bidlack,J.M.
A novel G-betagamma-subunit inhibitor selectively modulates mu-opioid-dependent antinociception and attenuates acute morphin-induced antinociceptive tolerance and dependence
J Neurosci 28 (2008)12183 – 9 (zit. Finkel & Pukish, 2019)
- +Mathews,T.A. Fedele,D.E., Coppelli,F.M., Avila,A.M., Murphy,D.L., Andrews,A.M.
Gene dose-dependent alterations in extraneuronal serotonin but not dopamine in mice with reduced serotonin transporter expression
J Neurosci Methods 140 (2004)169 – 81 (zit. Palm et al., 2008)
- +Mathews,W. Morkel,M., Mathews,J.
Manipulation and traction for lumbago and sciatica: physiotherapeutic techniques used in two controlled trials
Physiother Pract 4 (1988)201 – 6
- Mathieson,S. Chiro,M. et al.

- Trial of pregabalin for acute and chronic sciatica
N Engl J Med 376 (2017)1111 – 20 (Dt. Ärztebl. 114 (2017)A953)
- +Mathy-Hartert,M. Hogge,L., Sanchez,C., Deby-Dupont,G., Crielaard,J.M., Henrotin,Y.

Interleukin-1 beta and Interleukin-6 disturb the antioxidant enzyme system in bovine chondrocytes : a possible explanation for oxidative stress generation

Osteoarthritis Cartilage 16 (2008)756 – 63
- +Matre,D. Sinkjaer,T., Svensson,P., Arendt-Nielsen,L.

Experimental muscle pain increases the human stretch reflex

Pain 75 (1998)331 – 9
- +Matsubara,Y. Kato,Y., Mimatsu,K., Kajino,G., Nakamura,S., Nitta,H.

Serial changes in MRI in lumbar disc herniations treated conservatively

Neuroradiography 37 (1995)378 – 83
- +Matsuda,L.A. Lolait,S.J., Brownstein,M.J., Young,A.C., Bonner,T.I.

Structure of a cannabinoid receptor and functional expression of the cloned cDNA

Nature 346 (1990)561 – 4
- +Matsuda,N. Kitagaki,K., Perrein,E., Tsuboi,Y., Ebina,A., Kondo,Y., Murata,S., Isa,T. und 4 weitere Autoren

Association between excessive weight gain during pregnancy and persistent low back and pelvic pain after delivery

Spine 45 (2020)319 - 24
- +Matsudaira,K. Konishi,H., Miyoshi,K., Isomura,T., Takeshita,K., Hara,N., Yamada,K., Machida,H.

Potential risk factors for new onset of back pain disability in Japanese workers

Spine 37 (2012)1324 - 33
- +Matsudaira,K. Seichi,A., Kunogi,J., Yamakazi,T., Kobayashi,T., Anamizu,Y., Kishimoto,J., Hoshi,K., Takeshita,K., Nakamura,K.

- The efficacy of prostaglandin E1 derivate in patients with lumbar spinal stenosis
Spine 34 (2009)115 - 20
- Matsui,H. Maeda,A., Tsuji,H., Naruse,Y.
Risk indicators of low back pain among workers in Japan: association of familial and physical factors with low back pain
Spine 22 (1997)1242 – 7
- +Matsui,Y. Maeda,M., Nakagami,W., Iwata,H.
The involvement of matrix-metalloproteinases and inflammation in lumbar disc herniations
Spine 23 (1998)863 – 9
- +Matsumo,S. Kaneda,K., Nohara,Y.
Clinical evaluation of ketoprofen (Orudis) in lumbago – a double-blind comparison with diclofenac sodium
Br J Clin Pract 35 (1981)266
- +Matsumoto,M. Watanabe,K., Tsuji,T., Ishii,K., Takaishi,H., Nakamura,M., Toyama,Y., Chiba,K., Michikawa,T., Nishiwaki,Y.
Nocturnal leg cramps: a common complaint in patients with lumbar spinal stenosis
Spine 34 (2009)E189 - 94
- +Matsunaga,S. Sakou,T.M.Y., Morizono,Y., Masuda,A., Demirtas,A.M.
Natural history of degenerative spondylolisthesis. Pathogenesis and natural course of slippage
Spine 15 (1990)1204 – 10
- +Matsunaga,S. Nakamura,K., Seichi,A., Yokoyama,T., Toh,S., Ichimura,S. und weitere 20 Autoren
Radiographic predictors for the development of myelopathy in patients with ossification of the posterior longitudinal ligament
Spine 33 (2008)2648 - 50
- Matsuo,Y. Kurata,J., Sekiguchi,M., Yoshida,K., Nikaido,T., Konno,S.I.

- Attenuation of cortical activity triggering descending pain inhibition in chronic low back pain patients: a functional magnetic resonance study
- J Anesth 31 (2017)523 – 30 doi.org/10.1007/s00540-017-2343-1
- +Matsuzaki,M. Honkura,N., Ellis-Davis,G.C., Kasai,H.
- Structural basis of long-term potentiation in single dendritic spines
- Nature 429 (2004)761 – 6
- +Mattenklodt,P. Leonhardt,C.
- Psychologische Diagnostik und Psychotherapie bei chronischen Schmerzen im Alter
- Schmerz 39 (2015)349 - 61
- +Matthews,E.A. Dickinson,A.H.
- Effects of ethosuximide, a T-type Ca(2⁺) channel blocker, on dorsal horn neuronal responses in rats
- Eur J Pharmacol 415 (2001)141 – 9
- Matthiaß,H.H. Wachstum und Wachstumsstörungen des Haltungs- und Bewegungsapparates im Jugendalter
- Basel: Karger, 1966
- +Mattila,M. Hurme,M., Alaranta,H., Paljärvi,L., Kalimo,H., Falcks,B., Lehto,M., Einola,S., Järvinen,M.
- The multifidus muscle in patients with lumbar disc herniation. A histochemical and morphometric analysis of intraoperative biopsies
- Spine 11 (1986)732 – 8
- +Mattila,R. Malmivaara,A., Kastarinen,M., Kivelä,S.L., Nissinen,A.
- The effects of lifestyle intervention for hypertension on low back pain – a randomized controlled trial
- Spine 32 (2007)2943 - 7
- +Mattila,V.M: Saarni,L., Parkkari,J., Koivusilta,L., Rimpelä,A.
- Predictors of low back pain hospitalisation – a prospective follow-up of 57408 adolescents

- Pain 139 (2008)209 – 17
- +Mattila,V.M. Sahi,T., Jormamainen,V., Pihlajamäki,H.
- Low back pain and its risk indicators: a survey of 7,040 Finnish male conscripts
- Eur Spine J 17 (2008a)64 – 9
- +Mattila,V.M. Sillanpää,P., Salo,T., Laine,H.J., Mäenpää,H., Pihlajamäki,H.
- Orthotic insoles do not prevent physical stress-induced low back pain
- Eur Spine J 20 (2011)100 - 4
- Mattmann,E. Ischias! Was tun?
- Huber,Bern, 1997, S. 40 – 5 (zit. Rohde, 2011)
- Maturana,H.R. Varela,F.J.
- Der Baum der Erkenntnis: Die biologischen Wurzeln menschlichen Erkennens
- Goldmann Verlag, München, 2005
- +Matussek,J. Dingeldey,E., Benditz,A., Rezai,G., Nahr,K.
- Konservative Behandlung der idiopathischen Skoliose. Beeinflussung der Rumpfasymmetrie mit Cheneau-Korsettarchetypen
- Orthopäde 44 (2015)869 – 78 und Manuelle Med 54 (2016)139 - 49
- +Matz,P.G. Meagher,R.J., Lamer,T., Tontz,W.L., Annaswamy,T.M., Cassidy,R.C., Cho,C.H., Dougherty,P. und weitere 12 Autoren
- Guideline summary review: an evidence based clinical guideline for the diagnosis and treatment of degenerative lumbar spondylolisthesis
- Spine J 16 (2016)439 - 48
- +Mauch,F. Jung,C., Huth,J., Bauer,G.
- Changes in the lumbar spine of athletes from supine to the true-standing position in magnetic resonance imaging
- Spine 35 (2010)1002 - 7
- Maul,I. Laubli,T., Olivieri,M., Krueger,H.

- Long-term effects of supervised physical training in secondary prevention of low back pain
Eur Spine J 14 (2005)599 – 611 (zit. Bigos et al., 2009)
- +Maurer,E. Klinger,C., Lorbeer,R., Rathmann,W., Peters,A., Schlett,C.L., Nikolau,K., Bamberg,F., Notohamiprodjo,M., Walter,S.S.
Long-term effect of physical inactivity on thoracic and lumbar disc degeneration – an MRI-based analysis of 385 individuals from the general population
Spine J 20 (2020)1386 - 96
- +Maurer,K. Binzen,U., Mörz,H., Treede,R.D., Greffrath,W.
Direkte Hemmung von TRPV1 durch Acetylsalicylsäure. Neue Wirkung eines alten Medikaments
Schmerz 29 (2015)223 - 6
- Maurischat,C. Auclair,P., Bengel,J., Härter,M.
Erfassung der Bereitschaft zur Änderung des Bewältigungsverhaltens bei chronischen Schmerzpatienten. Eine Studie zum Transtheoretischen Modell.
Schmerz 16 (2002)40 – 3
- +Mauro,G.L. Martorana,U., Cantaldo,P., Brancato,G., Letizia,G.
Vitamin B 12 in low back pain: a randomized double-blind, placebo-controlled study
Eur Rev Med Pharmacol Sci 4 (2000)53 – 8
- +Mavrogonatou,E. Kletsas,D.
The effect of glucosamine sulphate on the proliferative potential and glycosaminoglycan synthesis of nucleus pulposus intervertebral disc cells
Spine 38 (2013)308 - 14
- +Mavrommatis,C.I. Argyra,E., Vadalouka,A., Vasilakos,D.G.
Acupuncture as an adjunctive therapy to pharmacological treatment in patients with chronic pain due to osteoarthritis of the knee: a 3-armed, randomized, placebo-controlled trial
Pain 153 (2012)1720 - 6
- +Maxeiner,H. Leweka,F.

Versorgung chronisch Schmerzkranker: Interdisziplinäre
Zusammenarbeit

Dt Ärztebl 113 (2016)A1970 - 5

+Maxwell,T.D.

Gatchel,R.J., Mayer,T.G.

Cognitive prediction of depression in chronic low back pain:
toward an inclusive model

J Behav Med 21 (1998)131 – 43

+May,A.

Chronic pain may change structure of the brain

Pain 137 (2008)7 – 15

+May,A.

Chronischer Schmerz verändert die Struktur des Gehirns

Schmerz 23 (2009)569 – 75

+May,A.

Experience-dependent structural plasticity in the adult
human brain

Trends Cogn Sci 15 (2011)475 – 82

+May,A.

Structure equals function: Cortical correlates of pain

(commentary)

Pain 153 (2012)1551 - 2Mol Pain 6 (2010e)5

May,A.

Hirnmorphologische Veränderungen

In: Hildebrand,J., Pfingsten,M. (Hrsg.): Rückenschmerz und
Lendenwirbelsäule. Urban & Fischer, München, (2012a), S. 85

+May,S.

Johnson,R

Stabilisation exercises for low back pain: a systematic review

Physiother 94 (2008)179 – 89

+May,S.

Donelson,R.

Evidence-informed management of chronic low back pain
with the McKenzie method

Spine J 8 (2008)134 - 41

+Mayer,D.J.

Price,D.D., Becker,D.P.

Neurophysiological characterisation of the anterolateral
spinal cord neurons contributing to pain perception in man

	Pain 1 (1975)51 – 8
+Mayer,D.J.	Price,D.D., Rafii,A. Antagonism of acupuncture analgesia in man by the narcotic antagonist naloxone Brain Res 121 (1977)368 – 72
+Mayer,F.	Arampatzis,A., Banzer,W., Beck,H., Brüggemann,G.P., Hasenbring,M., Kellmann,M., Kleinert,P., Schiltenswolf,M., Schmidt,H., Schneider,C., Stengel,D., Wippert,P.M., Platen,P. Medicine in spine exercise (MiSpEx)- a national research network to evaluate back pain. Dtsch Z Sportmed 69 (2018)229 - 35
+Mayer,F.	Weber,J., Cassel,M., Müller,J., Riegels,N., Müller,S. Schadet Marathonlaufen dem Stütz- und Bewegungsapparat? Dt Z Sportmed 62 (2011)299 - 303
+Mayer F.	Grau S, Bäurle W., Beck,M., Krauss,I., Maiwald,C., Baur,H. Achillessehnenbeschwerden im Laufsport – eine aktuelle Übersicht. Dt Z Sportmed 51 (2000)13–9
+Mayer F	Grau S, Maiwald C , Ploog,N, Bäurle,W., Beck,M., Baur,H., Müller,O. Current changes in running injuries. Int J Sports Med 20 (1999)103.
+Mayer,F.	Schmitt,H., Dickhuth,H.H. Die Bedeutung von Sport in der Entstehung, Prävention und Rehabilitation der Arthrose Akt Rheumatol 28 (2003)210 – 7
+Mayer,H.M.	Diskogener Rückenschmerz und degenerative Spinalstenose. Wie sinnvoll sind operative Verfahren ? Schmerz 15 (2001)484 - 91
--Mayer,J.	Graves,J., Robertson,V., Verna,J., Pierra,E., Ploutz-Snyder,L. Electromyographic activity of the lumbar extensor muscles : effect of angle and handposition during Roman chair exercise

- Arch Phys Med Rehabil 80 (1999)751 – 5 (zit.Mayer et al., 2008)
- +Mayer,J. Verna,J., Manini,T., Mooney,V., Graves,J.,
Electromyographic activity of the lumbar extensor muscles :
effect of varying hip position and lumbar posture during
Roman chair exercise
Arch Phys Med Rehabil 83 (2002)1543 - 6
- +Mayer,J. Mooney,V., Dagenais,S.
Evidence-informed management of chronic low back pain
with lumbar extensor strengthening exercises
Spine J 8 (2008)96 - 113
- +Mayer,J. Standortbestimmung der osteopathischen
Medizin/Osteopathie in Europa und weltweit
Manuelle Med 51 (2013a)297 - 301
- +Mayer,J. Pelz,H., Riedel,M.
Osteopathische medizin: Versuch einer zeitgemäßen
Definition
Osteopath Med 20 (2019)1: 10 - 5
- +Mayer,J.E. Iatridis,J.C., Chan,D., Qureshi,S.A., Gottesman,O., Hecht,A.C.
Genetic polymorphisms associated with intervertebral disc
degeneration
Spine J 13 (2013)299 - 317
- +Mayer,J.M. Childs,J., Libous,J., Chen,H., Quillen,W.S.
Effect of lumbar extensor progressive resistance exercise
versus core stability exercise on lumbar extension muscular
strength and core muscular endurance in soldiers
Proceedings of the 29th annual meeting of the North
American Spine Society
Spine J 14 (2014)11S: 47S
- +Mayer,J.M. Ralph,L., Look,M., Erasala,G.N., Verna,J.L., Matheson,L.N.,
Mooney,V.
Treating acute low back pain with continuous low-level heat
wrap therapy and/or exercise: a randomized controlled trial

- Spine J 5 (2005)395 – 403
- +Mayer,J.M. Mooney,V., Matheson,L.N., Erasala,G.N., Verna,J.L., Udermann,B.E., Leggett,S.
- Continuous low-level heat wrap for the prevention and early phase treatment of delayed onset muscle soreness of the low back : a randomized controlled trial
- Arch Phys Med Rehabil 87 (2007)1310 - 7
- +Mayer,T.G. Point of view
- Spine 25 (2010)477
- Mayer,T.G. Aceska,A., Gatchel,R.J.
- Is obesity overrated as a “risk factor” for poor outcomes in chronic occupational spinal disorders?
- Spine 31 (2006)2967 - 72
- Mayer,T.G. Gatchel,R.J.
- Functional restoration for spinal disorders: the sports medicine approach
- Lea Febiger, Philadelphia, 1988, p. 8 – 9 (zit. Gatchel & Mayer, 2008)
- +Mayer,T.G. Gatchel,R.J., Kishino,N., Keeley,J., Capra,P., Mayer,H., Barnett,J.,Mooney,V.
- Objective assessment of spine function following industrial injury. A prospective study with comparison group and one-year follow-up
- Spine 10 (1985)482 – 93
- +Mayer,T.G. Gatchel,R.J., Mayer,H., Kishino,N.D., Keeley,J., Mooney,V.
- A prospective two-year study of functional restoration in industrial low back pain injury. An objective assessment procedure
- JAMA 258 (1987)1763 – 7
- +Mayer,T.G. Neblett,R., Brede,E., Gatchel,R.J.
- The quantified lumbar flexion-relaxation phenomenon is a useful measurement of improvement in a functional restoration program

- Spine 34 (2009)2458 - 65
- +Mayer,T.G. Neblett,R., Cohen,H., Howard,K.J., Choi,Y.H., Williams,M.J., Perez,Y., Gatchel,R.J.
- The development and psychometric validation of the central sensitisation inventory
- Pain Pract 12 (2012)276 – 85
- +Mayer,T.G. Tencer,A.F., Kristoferson,S., Mooney,V.
- Use of noninvasive techniques for quantification of spinal range-of-motion in normal subjects and chronic low-back dysfunction patients
- Spine 9 (1984)588 – 95
- +Mayer,T.G. Towns,B.L., Neblett,R., Theodore,B.R., Gatchel,R.J.
- Chronic widespread pain in patients with occupational spinal disorders: prevalence, psychiatric comorbidity, and association with outcomes
- Spine 33 (2008)1889 – 97
- +Mayer,T.G. Vanharanta,H., Gatchel,R.J., Mooney,V., Barnes,D., Judge,L., Smith,S., Terry,A.
- Comparison of CT-scan muscle measurements and isokinetic trunk strength in postoperative patients
- Spine 14 (1989)33 – 6
- +Mayr,A. Jahn,P., Deak,B., Stankewitz,A., Devulapally,V., Witkovsky,V., Dietrich,O., Schultz,E.
- Individually unique dynamics of cortical connectivity reflect the ongoing intensity of chronic pain
- Pain 163 (2022)1987 – 98
doi.org/10.1097/j.pain.0000000000002594
- (+)Mazloun,V. Akodu,A.
- Comparative effects of dry needling and intramuscular electrical stimulation with and without kinesiology taping in patients with non-specific chronic low back pain
- J Bodyw Movem Ther (2019) in press
doi.org/10.1016/j.jbmt.2019.06.005
- (+)Mazloun,V. Sahebozamani,M., Barati,A., Nakhaee,N., Rabiei,P.,

- Randomized clinical trial: The effects of selective Pilates versus extension based exercises on rehabilitation on low back pain
- J Bodywork Movem Ther 22(2017)999 - 1003
<https://doi.org/10.1016/j.jbmt.2017.09.012>
- +Mazzardo-Martins,L. Martins,D.F., Marcon,R., Dos Santos,U.D., Speckhann,B., Gadotti,V.M., Sigwalt,A.R., Guglielmo,L.G., Santos,A.R.
- High-intensity extended swimming exercise reduces pain-related behaviour in mice: involvement of endogenous opioids and the serotonergic system
- J Pain 11 (2010)1384 – 93
- +Mazzola,L. Isnard,J., Peyron,R., Guenot,M., Mauguiere,F.
- Somatotopic organisation of pain responses to direct electrical stimulation of the human insular cortex
- Pain 146 (2009)99 - 104
- +McAfee,P. Yuan,H.
- Computed tomography in spondylolisthesis
- Clin Orthop Relat Res 166 (1982)62 – 71
- +McBeth,J., Jones,K.
- Epidemiology of chronic musculoskeletal pain
- Best Pract Res Clin Rheumatol 21 (2007)403 - 25
- +McCaffrey,K. Andrew Taylor Still and the united pathways
- AAO J 22 (2012)4: 5 - 7
- +McCall,I.W. Park,W.M., O'Bian,J.P.
- Induced pain referral from posterior lumbar elements in normal subjects
- Spine 4 (1979)441 – 6
- McCall,J.G. – n - Al-Hasani,R., Sluda,E.R., Hong,D.Y., Norris,A.J., Ford,C.P., Bruchas,M.R.
- CRH engagement of the locus ceruleus noradrenergic system mediates stress-induced anxiety
- Neuron 87 (2015)605 – 20 (zit. Egle et al., 2016)

- +McCallum,J.B. Wu,H.E., Tang,Q., Kwok,W.M., Hogan,Q.H.
Subtype-specific reduction of voltage-gated calcium current in medium-sized dorsal root ganglion neurons after painful peripheral nerve injury
Neurosci 179 (2011)244 – 55
- +McCanless,J.G. Cole,J.A., Slack,S.M., Bumgardner,J.D., Zamora,P.O., Haggard,W.G.
Modelling nucleus pulposus regeneration in vitro. Mesenchymal stemm cells, alginate beds, hypoxia, bone morphogenrtic protein 2, and synthetic peptide B2A
Spine 36 (2011)2275 - 85
- +McCarroll,J.R. The frequency of golf injuries
Clin Sports Med 15 (1996)1 – 7
- +McCarroll,J.R. Miller,J.M., Ritter,M.A.
Lumbar spondylolysis and spondylolisthesis in college football players: a prospective study
Am J Sports Med 14 (1986)404 – 6
- +McCarron, R.F. Wimpee,M., Hudkins,P., Laros,G.S.
The inflammatory effect of nucleus pulposus. A possible element in the pathogenesis of low back pain
Spine 12 (1987)760 – 4
- +McCarthy,C.J. Gittins,M., Roberts,C., Oldham,J.A.
The reliability of the clinical tests and questions recommended in international guidelines for low back pain
Spine 32 (2007)923 – 6
- +McCarthy,J.J. MacEwen,G.D.
Management of leg length inequality
J South Orthop Assoc 10 (2001)73 – 85
- +McCarthy,P.W. Lawson,S.N.
Cell type and conduction velocity of rat primary sensory neurons with calcitonin gene-related peptide-like immunoreactivity

+McCaw,S.T.

Bates,B.T.

Biomechanical implications of mild leg length inequality

Br J Sports Med 25 (1991)576 – 90

+McCombe,P.F.

Fairbank,J.C.T., Cockersole,B.C., Pynsent,P.B.

Reproducibility of physical signs in low back pain

Spine 14 (1989)908 – 18

+McConnell,J.

Commentary: Mattresses for a pain in the back

Lancet 362 (2003)1594 - 5

+McCracken,L.M.

Learning to live with the pain: acceptance of pain predicts adjustment in persons with chronic pain

Pain 74 (1998)21 – 7

+McCracken,L.M.

Toward understanding acceptance and psychological flexibility in chronic pain (commentary)

Pain 149 (2010)420 - 1

+McCracken,L.M.

Carson,J.W., Eccleston,C., Keefe,F.J.

Acceptance and change in the context of chronic pain

Pain 109 (2004b)4 - 7

+McCracken,L.M.

Eccleston,C.

Coping or acceptance: what to do about chronic pain? Pain 105 (2003)197 – 204

+McCracken,L.M.

Eccleston,C.,

A prospective study of acceptance of pain and patient functioning with chronic pain

Pain 109 (2005)164 - 9

+McCracken,L.M.

Faber,S.D., Janeck, A.S.

Pain-related anxiety predicts non-specific physical complaints in persons with chronic pain

Behav Res Ther .36 (1998)621 – 30

+McCracken,L.M.

Gauntlett-Gilbert,J., Vowles,K.E.

- The role of mindfulness in a contextual cognitive-behavioral analysis of chronic pain-related suffering and disability
- Pain 131 (2007)63 - 9
- +McCracken,L.M. Iverson,G.L.
- Predicting complaints of impaired cognitive functioning in patients with chronic pain
- J Pain Symptom Manage 21 (2001)392 – 6
- +McCracken,L.M. MacKichan,F., Ecclestone,C.
- Contextual cognitive-behavioral therapy for severely disabled chronic pain sufferers: effectiveness and clinically significant change
- Eur J Pain 11 (2007)314 - 22
- +McCracken,L.M. Samuel,V.M.
- The role of avoidance, pacing, and other activity patterns in chronic pain
- Pain 130 (2007)119 - 25
- +McCracken,L.M. Spertus,I.L., Janeck,A.S., Sinclair,D., Wetzel,T.
- Behavioral dimensions of adjustments in persons with chronic pain: pain-related anxiety and acceptance
- Pain 80 (1999)283 – 9
- +McCracken,L.M. Turk,D.C.
- Behavioral and cognitive-behavioral treatment for chronic pain – outcomes, predictors of outcome and treatment process
- Spine 27 (2002)2564 – 73
- +McCracken,L.M. Velleman,S.C.
- Psychological flexibility in adults with chronic pain: A study of acceptance, mindfulness and values-based action in primary care
- Pain 148 (2009)141 - 7
- +McCracken,L.M. Vowles,K.E., Ecclestone,C.

	Acceptance of chronic pain: component analysis and a revised assessment method
	Pain 107 (2004)159 - 66
McCulloch,J.A.	Transfeldt,E.E.
	Macnab's Backache, 3 rd ed., Philadelphia, Williams and Wilkins, 1997, 1- 75
+McDonald,G.	Kingsbury,R.
	Does physical pain augment anxious attachment?
	J Soc Personal Rel 23 (2006)291 – 304
+McDonald,G.	Tian,Y., Qureshi,R.A., Gormley,M., Ertel,A., Gao,R., Aradillas Lopez,E., Alexander,G.M., Sacan,A., Fortina,P.
	Functional significance of macrophage-derived exosomes in inflammation and pain
	Pain 155 (2014)1527 - 39
+McDougal,J.J.	Watkins,L., Li,Z.
	Vasoactive intestinal peptide (VIP) is a modulator of joint pain in a rat model of osteoarthritis
	Pain 123 (2006)95 – 105
+McDougal,J.J.	Andruski,B., Schuelert,N., Hallgrimsson,B., Matyas,J.R.
	Unravelling the relationshipbetween age, nociception and joint destruction in naturally occurring osteoarthritis of Dunkin-Hartley guinea pigs
	Pain 141 (2009)222 - 32
+McEwen,B.S.	Stellar,E.
	Stress and the individual mechanisms leading to diseases
	Arch Intern Med 153 (1993)2093 – 101
+McFarlane,S.	Cooper,E.
	Kinetics and voltage dependence of A-type currents on neonatal rat sensory neurons
	J Neurophysiol 66 (1991)1380 – 91
+McGettigan,P.	Henry,D.

	Cardiovascular risk and inhibition of cyclooxygenase: a systematic review of observational studies of selective and nonselective cyclooxygenase 2
	JAMA 296 (2006)1633 – 44
+McGettiner,P.	Henry,D.
	Cardiovascular risk and inhibition of cyclooxygenase
	J Am Med Ass 296 (2006)1633 - 44
+McGill,S.M.	Low back exercises evidence for improving exercise regimens
	Phys Ther 78 (1998)754 – 65
McGill,S.	Low back pain disorders. Evidence-based prevention and rehabilitation. Human Kinetics, Champaign, 2002 (zit Goebel et al., 2005)
McGill,S.M.	Ultimate Back Fitness and Performance. Waterloo, Ontario, Canada: Wabuno Publishers, 2004 (zit. Stanton & Kawchuk, 2008)
+McGill,S.M.	Brown,S.
	Creep response of the lumbar spine to prolonged full flexion
	Clin Biomech (Bristol, Avon) 7 (1992)43 - 6
+McGill,S.	Grenier,S., Bluhm,M: et al.
	Previous history of LBP with work loss is related to lingering deficits in biomechanical, physiological, personal, psychosocial and motor control characteristics
	Ergonomics 46 (2003)731 – 46
+McGill,S.M.	Kippers,V.
	Transfer of loads between lumbar tissues during the flexion-relaxation phenomenon
	Spine 19 (1994)2190 – 6
+McGill,S.M.	Norman,R.
	Partitioning the L 4 -5 dynamic moment into disc, ligamentous and muscular compartments during lift
	Spine 11 (1986)666 – 78
+McGill,S.M.	Norman,R.W., Sharratt,M.T.

- The effect of an abdominal belt on trunk muscle activity and intraabdominal pressure during squat lifts
Ergonomics 33 (1990)147 – 60
- +McGill,S.M. Seguin,J., Bennett,G,
Passive stiffness of the lumbar torso in flexion, extension, lateral bending, and axial rotation: effects of belt wearing and breath holding
Spine 19 (1994)696 – 704
- McGill,S.M. et al. Three-dimensional kinematics and trunk muscle myoelectric activity in the elderly spine – A database compared to young people
Clin Biomech (Bristol, Avon) 6 (1999)389 – 95 (so zit. Hansen et al., 2006)
- McGlone,F. Wessberg,J., Olausson,H.
Discriminative and affective touch: sensing and feeling
Neuron 82 (2014)737 – 55
doi.org/10.1016/j.neuron.2014.05.001
- McGovern,D. et al. Evidence Based in General Practice
Oxford, Bios Scientific Publishers, 2001 (zit. van Zundert, 2007)
- +McGrath,C. Nicholson,H., Hurst,P.
The long posterior sacroiliac ligament: A histological study of morphological relations in the posterior sacroiliac region
Joint Bone Spine 76 (2009)57 - 62
- +McGrath,K. Schmidt,E., Rabah,N., Abubakr,M., Steinmetz,M.
Clinical assessment nad management of Bertolotti – syndrom: a review of the literature
Spine J 21 (2021)1286 – 96
doi.org/10.1016/j.spinee.2021..02.023
- +McGrath,M.C. Zhang,M.
Lateral branches of dorsal sacral nerve plexus and the long posterior sacroiliac ligament
Surg Radiol Anat 27 (2005)327 - 30

- +McGregor,G.P. Teufelkralle: aktuelle Daten zum Wirkprinzip
Naturamed 26 (2011)3: 14 - 6
- +McGuire,B.E. Henderson,E.M., McGrath,P.J.
Translating e-pain research into patient care
Pain 158 (2017)190 - 3
- +McGuirk,B. King,W., Govind,J., Lowry,J., Bogduk,N
Safety, efficacy, and cost effectiveness of evidence-based
guidelines for the management of acute low back pain in
primary care
Spine 26 (2001)2615 – 22
- +McHardy,A. Polland,H., Luo,K.
Golf injuries: a review of literature
Sports Med 36 (2006)171 – 87
- +McIlveen,B. Robertson,V.J.
A randomised controlled study of the outcome of
hydrotherapy for subjects with low back or leg pain
Physiotherapy 84 (1998)17 – 26
- +McIntosh,A. Shaw,C.F.M.
Barriers to patient information provision in primary care:
patients' and general practitioners' experiences and
expectations of information for low back pain
Health Expectat 6 (2003)19 – 29 (zit. Breen et al., 2007)
- +McIntosh,G. Frank,J., Hogg-Johnson,S. Bombardier,C., Hall,H.
Prognostic factors for time receiving worker's compensation
benefits in a cohort of patients with low back pain
Spine 25 (2000)147 – 145
- +McIntosh,G. Hall,H., Boyle,C.
Contribution of nonspinal comorbidity to low back pain
outcomes
Clin J Pain 22 (2006)765 - 9
- +McIntosh,G. Steenstra,I., Hogg-Johnson,S., Carter,T., Hall,H.

- Lack of prognostic model validation in low back pain prediction studies. A systematic review
- Clin J Pain 24 (2018)748 - 54
- McKay,A.B. Pain and chronic low back pain: A new model? Part I, The hypothesis and model, and pain and chronic low back pain: a new model? Part 2 observations and clinical material
- Australas J Musculoskelet Med (2004)1: 14 – 25 (so zit. McKay, 2008)
- McKay,A.B. Chronic low back pain and pain: simple models to explain pain to the patients
- Australas J Musculoskelet Med (2006)2: 92 – 6 (so zit. McKay, 2008)
- +McKay,A.B. Letters to the editor: Cheese and chalk? Missing the real anatomy
- Pain 137 (2008)229
- McKay,A.B. Wall,D.
- The orienting response and the functional whole human body
- Australas J Musculoskelet Med (2003)86 – 99 (so zit. McKay, 2008)
- +McKenna,L.A. Liu,H., Sansom,P.A., Dean,M.F.
- An N-terminal peptide from link protein stimulates proteoglycan biosynthesis in human articular cartilage in vitro
- Arthritis Rheum 41 (1998)157 – 62
- McKenzie,R.A. The lumbar spine: mechanical diagnostic and therapy
- Waikanae, New Zealand Spinal Publications, 1981
- McKenzie,R.A. May,S.
- Mechanical diagnosis and therapy: the lumbar spine
- 2nd ed. Waikanae, New Zealand, Spinal Publications Ltd., 2002,
- +McKillop,A.B. Carroll,L.J., Dick,B.D., Battie,M.C.
- Measuring participation in patients with chronic back pain – the 5-Item Pain Disability Index

- Spine J 18 (2018)307 - 13
- McKinley,J.B. From “promising report” to “standard procedure”: seven stages in the career of a medical innovation
- Milbank Memorial Fund Q Health Soc 59 (1981)374 – 411 (zit. Windolf, 2014)
- +McLachlan,E.M. Rapid atrophy of mouse soleus muscles after tenotomy depends on an intact innervation
- Neurosci Lett 25 (1981)269 – 74
- +McLain,R.F. Pickar,J.G.
- Mechanoreceptor endings in human thoracic and lumbar facet joints
- Spine 23 (1998)168 -73
- +McLain,R.F. Weinstein,J.N.
- Nuclear clefting in dorsal root ganglion neurons: a response to whole body vibrations
- J Comp Neurol 322 (1992)538 – 42
- +McLaren,A.C. Rorabeck,C.H., Halpenny,J.
- Long-term pain and disability in relation to residual deformity after displaced pelvic ring fractures
- Can J Surg 33 (1990)492 – 4
- +McLean,M.J. Holcomb,R.R., Wamil,A.W., Pickett,J.D., Cavopol,A.V.
- Blockade of sensory neuron action potentials by a static magnetic field in the 10 mT range
- Bioelectromagnetics 16 (1995)20 – 32
- McLorinan,G.C. Glenn,J.V., McMullan,M.G., Patrick,S.
- Prropionibacterium acnes wound contamination at the time of spinal surgery
- Clin Orthop Rel Res 437 (2005)67 – 73
- McMahon,S.B. Bennett,D.L.H.
- Trophic factors and pain
- In: Textbook of Pain, Churchill Livingstone, pp 105 – 28 (zit. McMahon et al., 2005)

- +McMahon,S.B. Cafferty,W.B., Marchand,F.
Immune and glia cell factors as pain mediators and modulators
Exp Neurol 192 (2005)444 – 62
- +McMillan,D.W. Garbutt,G., Adams,M.A.
Effect of sustained loading on the water content of intervertebrals discs: Implications for disc metabolism
Ann Rheum Dis 55 (1996)880 – 7
- +McMorland,G. Suter,E., Casha,S., du Plessis,S.J., Hurlbert,R.J.
Manipulation or microdiscectomy for sciatica? A prospective randomized clinical study
J Manipulative Physiol Ther 33 (2010)576 – 84
- +McNally,R.J. Memory and anxiety disorders
Philos Trans R Soc Lond B Biol Sci 352 (1997)1755 – 9
- +McNamee,K.E. Burligh,A., Compels,L.I., Feldmann,M., Allen,S.J., Williams,R.O., Dawbarn,D., Vincent,T.I., Inglis,J.J.
Treatment of murine osteoarthritis with TrkAd5 reveals a pivotal role for nerve growth factor in non-inflammatory joint pain
Pain 149 (2010)386 - 92
- +McNeil,D.W. Rainwater 3rd A.J.
Development of the fear and pain questionnaire – III
J Behav Med 21 (1998)389 – 410
- +McNeil,D, Au,A., Zvolensky,M., McKee,D.R., Klineberg,I.J., Ho,C.C.K.
Fear of pain in orofascial pain patients
Pain 89 (2000)245 – 52
- +McNicol,E. Opioid side effects
Pain – clinical updates 15 (2007)2 : 1 - 6
- +McNicol,E. Strassels,S., Goudas,L., Lau,J., Carr,D.
Nonsteroidal anti-inflammatory drugs, alone or combined with opioids, for cancer pain: a systemic review

	J Clin Oncol 22 (2004)1975 – 92
+McPartland,J.M.	Travell trigger points – molecular and osteopathic perspectives J Am Osteopath Assoc 104 (2004)244 – 9
+McPartland,J.M.	Giuffrida,A., King,J., Skinner,E., Scotter,J., Musty,R.E. Cannabimimetic effects of osteopathic manipulative treatment JAOA 105 (2005)283 - 91
+McPhee,M.E.	Graven-Nielsen,T. Recurrent low back pain patients demonstrate facilitated pronociceptive mechanisms when in pain, and impaired antinociceptive mechanisms with and without pain Pain 160 (2019)2866 - 76
(+)McPhee,M.E.	Graven-Nielsen,T. Medial prefrontal high-definition transcranial direct current stimulation to improve pain modulation in chronic low back pain: a pilot randomized double-blinded placebo-controlled crossover trial doi.org/10.1016/j.jpain.2021.02.012
McPhee,M.E.	Graven-Nielsen,T. Alterations in temporal summation of pain and conditioned pain modulation across an episode of experimental exercise-induced low back pain J Pain 20 (2019)264 – 76 (zit. Graven-Nielsen, 2022)
+McPhee,M.E.	Graven-Nielsen,T. Positive affect and distraction enhance whereas negative affect impairs pain modulation in patients with recurrent low back pain and matched controls Pain 163 (2022)887 – 96 doi.org/10.1097/j.pain.0000000000002442
+McPhee,M.E.	Vaegter,H.B., Graven-Nielsen,T. Alterations in pronociceptive and antinociceptive mechanisms in patients with low back pain: a systemic review with meta-analysis

	Pain 161 (2020)464 - 75
+McPherson,K.	Britton,A. Preferences and understanding their effects on health Qual Health Care 20 (2001) Suppl.1:i61 – 6
+McPherson,S.	Lederhos Smith,C., Dobscha,S.K., Morasco,B.J., Demidenko,M.I., Meath,T.H.A., Lovejoy,T.I. Changes in pain intensity after discontinuation of long-term opioid therapy for chronic noncancer pain Pain 159 (2018)2097 - 2104
+McQuade,K.J.	Turner,J.A., Buchner,D.M. Physical fitness and chronic low back pain: an analysis of the relationships among fitness, function limitations, and depression Clin Orthop 233 (1988)198 – 204
+McQuay,H.J.	Tramer,M., Nye,B.A., carroll,D., Wiffen,P.J., Moore,R.A. A symptomatic review of antidepressants in neuropathic pain Pain 68 (1996)217 – 27
McQuay,H.	Moore,A. Epidural corticosteroids for sciatica. An evidence-based resource for pain relief Bath: the bath press Ltd., 1998, p.216 – 8 (zit. AMK, 2007)
McRae,R.	Clinical orthopaedic examination. 4th ed., New York, NY, Churchill Livingstone, 1997
+McSweeney,T.P.	Thomson,O.P., Johnston,R. The immediate effects of sigmoid colon manipulation on pressure pain thresholds in the lumbar spine J Bodywork Movment Ther 16 (2012)416 - 23
+McWilliams,L.A.	Asmundson,G.J.G. The relationship of adult attachment dimensions to pain- related fear, hypervigilance, and Catastrophing Pain 127 (2007)27 - 34

+McWilliams,L.A.

Cox,B.J., Enns,B.W.

Impact of adult attachment styles on pain and disability associated with arthritis in an nationally representative sample

Clin J Pain 16 (2000)360 – 4

+McWilliams,L.A.

Cox,B.J., Enns,M.W.

Mood and anxiety disorders associated with chronic pain: an examination in a nationally representative sample

Pain 106 (2003)127 – 33

+McWilliams,L.A.

Higgins,K.S.

Associations between pain conditions and borderline personality disorder symptoms. Findings from the national comorbidity survey replication

Clin J Pain 29 (2013)527 - 32

+McWilliams,L.A.

Holmberg,D.

Adult attachment and pain catastrophizing for self and significant other

Pain 149 (2010)278 - 83

+Meade,T.W.

Dyer,S., Browne,W., Townsend,J., Frank,A.O.

Low back pain of mechanical origin: randomized comparison of chiropractic and hospital out-patient treatment

BMJ 300 (1990)1431 – 7

+Meade,T.W.

Dyer,S., Browne,W., Frank,A.O.

Randomized comparison between chiropractic and hospital out-patient management for low back pain: results from extended follow-up

BMJ 311 (1995)349 – 51

+Medeiros,F.C.

Pena Costa,L.O., Added,M.A.N., Solomao,E.C., Cunha Menezes Costa,L.de

Longitudinal monitoring of patients with chronic low back pain during physical therapy treatment using the STarT Back Screening Tool

- J Orthop Sports Phys Ther 47 (2017)314-323 (3.5.17 im Internet eingesehen
<http://www.jospt.org/doi/full/10.2519/jospt.2017.7199>
- +Medhurst,S.J. Collins,S.D., Billinton,A., Bingham,S., Dalziel,R.G., Brass,A., Roberts,J.C., Medhurst,A.D., Chessell,I.P.
- Novel histamine H3 receptor antagonists GSK 189254 and GSK 334429 in surgically-induced and virally-induced rat models of neuropathic pain
- Pain 138 (2008)61 - 9
- +Medrano,M.C. Dhanasobhon,D., Yalcin,I., Schlichter,R., Cordero-Erausquin,M.
- Loss of inhibitory tone on spinal dorsal horn spontaneously and nonspontaneously active neurons in a mouse model of neuropathic pain
- Pain 157 (2016)1432 - 42
- Medrano-Escalada,Y. Plaza-Manzano,G., Fernandez-de-Las-Penas,C., Valera-Galero,J.A.
- Structural, functional and neurochemical cortical brain changes associated with chronic low back pain
- Tomography 8 (2022)2153- 63 (zit. Laube, 2023)
doi.org/10.3390/tomography8050180
- +Meeker,W.C. Haldeman,S.
- Chiropractic: a profession at the crossroads of mainstream and alternative medicine
- Ann Int Med 136 (2002)216 – 27
- +Meert,G.F. Das Becken aus osteopathischer Sicht: Funktionelle Zusammenhänge nach dem Tensegrity-Modell, Urban & Fischer, München, Jena, 2. Auflage 2006
- +Meeus,M. Nijs,J., van Wilgen,P., Noten,S., Goubert,D., Huijnen,I.
- Moving to movement in patients with chronic joint pain
- Pain Clin Updat XXIV (2016)1-März
- +Mehling,W.E. Ebell,M.H., Avins,A.L., Hecht,F.M.
- Clinical decision rule for primary care patient with acute low back pain at risk of developing chronic pain

- Spine J 15 (2015)1577 - 86
- +Mehling,W.E. Gopisetty,V., Acree,M., Pressman,A., Carey,T., Goldberg,H., Hecht,F.M., Avins,A.L.
- Acute low back pain and primary care: How to define recovery and chronification?
- Spine 36 (2011)2316 - 23
- +Mehling,W.E. Gopisetty,V., Bartmess,E., Acree,M., Pressman,A., Goldberg,H., Hecht,F.M., Carey,T., Avins,A.L.
- The prognosis of acute low back pain in primary care in the United States. A 2-year prospective cohort study
- Spine 37 (2012)678 - 84
- +Mehrkens,A. Matta,A., Karim,M.Z., Kim,S., Fehlings,M.G., Schaeren,S., Erwin,W.M.
- Notochordal cell-derived conditioned medium protects human nucleus pulposus cells from stress-induced apoptosis
- Spine J 17 (2017)579 - 88
- +Mehrkens,K.A. Kim,S.J., Karim,M.Z., Fehlings,M.G., Erwin,W.M.
- Canine notochordal cell-secreted factors protect murine and human nucleus pulposus cells from apoptosis by inhibition of activated caspases – 9 and -3/7
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Louisiana, October 9 – 12, 2013;
- Spine J 13 (2013) Suppl 9S:51S
- +Mehlsen,M. Hegaard,L., Ornbol,E., Sondergaard Jensen,J., Fink,P., Frostholt,L.
- The effect of a lay-led, group-based self-management program for patients with chronic pain: a randomized controlled trial of the Danish version of the Chronic Pain Self-Management Programme
- Pain 158 (2017)1437 - 45
- +Mehyar,F. Santos,M., Wilson,S.E., Staggs,V.S., Sharma,N.K.
- Immediate effect of lumbar mobilization on activity of erector spinae and lumbar multifidus muscles
- J Chiropract 16 (2017)271 - 81

- +Meier,M.L: Hotz-Boendermaker,S., Boendermaker,B., Luechinger,R., Humphreys,B.K.
- WFC 2013 award winning paper: Neural responses of posterior to anterior movement on lumbar vertebrae: A functional magnetic resonance imaging study
- J Manipulative Physiol Ther 37 (2014)32 - 41
- +Meijer,H. Reinecke,J., Becker,C., Tholen,G., Wehling,P.
- The production of anti-inflammatory cytokines in whole blood by physico-chemical induction
- Inflamm Res 52 (2003)404 – 7
- +Meijne,W. van Neerbos,K., Aufdemkampe,G., van der Wurff,P.
- Intraexaminer and interexaminer reliability of the Gillet test
- J Manipulative Physiol Ther 22 (1999)4 – 9
- +Mein,E.A. Low back pain and manual medicine: a look at the literature
- Phys Med Rehabil Clin North Am 7 (1996) 715 – 26
- +Mein,E.A. Greenman,P.E., McLillin,M.A., Richards,D.G., Nelson,C.D.
- Manual medicine diversity: research pitfalls and the emerging medical paradigm
- JAOA 101 (2001)441 - 4
- +Meints,S.M. Mawla,I., Napadow,V., Kong,J., GerberJ., Chan,S.T., Wasan,A.D., Kaptchuk,T.J. und weitere 5 Autoren
- The relationship between catastrophizing and altered pain sensitivity in patients with chronic low-back pain
- Pain 160 (2019)833 - 43
- (+)Meints,S.M. Wang,V., Edwards,R.R.
- Sex and race differences in pain sensitization among patients with chronic low back pain
- J Pain 19 (2018) in press, available online 17.07.2018
- Meira,E.P. Brumitt,J.
- Minimizing injuries and enhancing performance in golf through training programs
- Sports Health 2 (2010)337 – 44 (zit. Pieber, 2018)

Meisel,H.	AlasevicO., Hutton,W. et al. Disc repair with autologous chondrocytes: a clinical pilot study In: Joint meeting mit der ungarischen Gesellschaft für Neurochirurgie, Köln, Deutschland, 2004 (so zit. Zhou & Abdi, 2006)
+Mekhail,N.	Mehanny,D., Armanyous,S., Saweris,Y., Costandi,S. The impact of obesity on the effectiveness of spinal cord stimulation in chronic spine-related pain patients Spine J 19 (2019)476 - 86
-Meknas,K. et al.	The internal obturator muscle may cause sciatic pain Pain 104 (2003)375 - 80
+Melchart,D.	Streng,A., Hoppe,A., Jürgens.S., Weidenhammer,W., Linde,K. Akupunktur bei chronischen Schmerzen: Ergebnisse aus dem nociceptiveModellvorhaben der Ersatzkassen Dt Ärztebl 103 (2006)A 187 - 95
Melemedjian,O.K.	Asiedu,M.N., Tillu,D.V., Peebles,K.A., Yan,J., Ertz,N., Dussor,G.O., Price,T.J. IL-6 and NGF-induced rapid control of protein synthesis and nozizeptive plasticity via convergent signaling to the eIF4F complex J Neurosci 30 (2010)15113 – 23 (zit. Gale et al., 2022)
Melemedjian,O.K.	Tillu,D.V., Asiedu,M.N., Mandell,E.K., Moy,J.K., Blute,V.M., Taylor,G.C., Ghosh,S., Price,T.J. BNDF regulates atypical PKC at spinal synapses to initiate and maintain a centralized chronic pain state Mol Pain 9 (2013)12 (zit. Gale et al., 2022)
Melemedjian,O.K.	Tillu,D.V., Moy,J.K., Asiedu,M.N., Mandell,E.K., Ghosh,S., Dussor,G., Price,T.J. Local translation and retrograde axonal transport of CREB regulates IL-6-induced nociceptive plasticity Mol Pain 10 (2014)45 (zit. Gale et al., 2022)

- +Meller,T. Stiehm,F., Malinowski,R., Thieme,K.
Baroreflexsensitivität und chronischer Schmerz.
Pathogenetische Bedeutsamkeit und klinische Implikationen
Schmerz 30 (2016)470 - 6
- +Meller,S.T. Dykstra,C., Grzybycki,D., Murphy,S., Gebhard,G.F.
The possible role of glia in nociceptive processing and
hyperalgesia in the spinal cord in the rat
Neuropharmacology 33 (1994)1471 – 8
- +Mellin,G. Hurri,H.
Referred limb symptoms in chronic low back pain
J Spinal Disord 3 (1990)52 – 8
- Mellion,M.B. Common cycling injuries. Management and prevention
Sports Med 11 (1991)1: 52 - 70
- +Melum,T.A. Vangberg,T.R., Johnsen,L.H., Steingrimsdottir,Ö.A.,
Stubhaug,A., Mathiesen,E.B., Nelsen,C.
Gray matter volume and pain tolerance in a general
population: the Tromso study
Pain 164 (2023)1750 – 8
doi.org/10.1097/j.pain.0000000000002871
- +Melzack,R. The McGill Pain Questionnaire: Major properties and scoring
methods
Pain 1 (1975)275 – 99
- +Melzack,R. The short form McGill Pain Questionnaire
Pain 30 (1987)191-7
- +Melzack,R. From the gate to neuromatrix
Pain (1999):6. S 121 – 6
- +Melzack,R. Pain – an overview
Acta Anaesthesiol Scand 43 (1999a)880 – 4
- Melzack,R. Pain and stress: A new perspective
in: Turk,D.C. (ed.): Psychosocial factors in pain: critical
perspectives. New York, Guilford Press 1999, p. 89 – 106 (zit.
Truchon et al., 2008)

Melzack,R.	Casey,K.L. Sensory, motivational, and central control of determinants of pain In: Kenshalo,D.R. ed., The skin senses. Springfield, CC Thomas, 1968,
Melzack,R.	Katz,J. The McGill Pain Questionnaire: appraisal and current status. In: Turk,D.C., Melzack,R. eds.: handbook of pain assessment. 2nd ed., New York, Guilford, 2001, p. 35 – 52 (zit. Cook et al., 2006)
+Melzack,R.	WallP. Pain mechanisms: a new theory Science 150 (1965)971 – 9
+Memmo,P,A.	Nadler,S., Malanga,G. Lumbar disc herniations: a review of surgical and nonsurgical indications and outcomes J Back Musculoskelet Rehabil 14 (2000)79 – 88
(-)Menard,M.	Couvertier,M., Awai,L., Esteves,J., Bideau,B., Vaucher,P. Exploring lumbo-pelvic functional behaviour patterns during osteopathic motion tests: A biomechanical (en)active inference approach to movement analysis Int J Osteop Med 45 (2022)Sept: 8 – 16 doi.org/10.1016/j.ijosm.2022.05.001
+Mendell,L.M.	Physiological properties of unmyelinated fiber projection to the spinal cord Exp Neurol 16 (1966)316 – 32
+Mendell,L.M:	Pain classic. Special review: Constructing and deconstructing the gate theory of pain Pain 155 (2014)210 - 16
+Mendell,L.M.	Wall,P.D. Responses of single dorsal cord cells to peripheral cutaneous unmyelinated fibers

- Nature 206 (1965)97 – 9
- +Mendels,J. Weinstein,N., Cochrane,C.
The relation between depression and anxiety
Arch Gen Psych 27 (1982)649 – 53
- +Mendelson,J. Upton,R.A., Everhart,E.T., Peyton III, J, Jones,R.T.
Bioavailability of sublingual buprenorphine
J Clin Pharmacol 37 (1997)31 – 7
- +Mendoza,M. Odum,S., Baluch,D.A., Milam,R.A., Segebarth,P.B., Darden II,B.V., Laxer,E.B., Chapman Jr.,T.M., Spector,L.R.
Is there an association between patient’s expectations and satisfaction scores in an outpatient setting?
Proceedings of the 32nd annual meeting of the north american spine society, Orlando, Florida, October 25 – 28, 2017
Spine J 17 (2017) 10 Suppl.: S 79
- Menezes Costa siehe Costa
- +Meng,A. Akupunktur und die Wirbelsäule der Frau
Manuelle Med 51 (2013)13 - 6
- +Meng,A. Akupunktur bei Lumbalgie
Manuelle Med 56 (2018)45 - 8
- +Meng,K. Seekatz,B., Roßband,H., Worringer,U., Vogel,H., Faller,H.
Intermediate and long-term effects of a standardized back school for inpatient orthopedic rehabilitation on illness knowledge and self-management behaviors. A randomized controlled trial
Clin J Pain 27 (2011)248 - 67
- +Meng,X. Zhang,Y., Lao,L.,Saito,R., Li,A., Bäckman,C.M., Berman,B.M., Ren,k., Wei,P.K., Zhang,R.X.
Spinel interleukin-17 promotes thermal hyperalgesia and NMDA NR1 phosphorylation in an inflammatory pain rat model
Pain 154 (2013)294 - 305

- Mennel,J. Back pain
Little Brown, Boston, 1960, p. 23 - 30 (zit. v.Heymann et al., 2005)
- Menon,R.G. Oswald,S.F., Raghavan,P., Regatte,R.R., Stecco,A.
T_{1ρ}-mapping for musculoskeletal pain diagnosis: Case series of variation of water bound glycosaminoglycans quantification before and after Fascial Manipulation^R in subjects with elbow pain
Int J Environ Res Public Health 17 (2020)708
doi.org/10.3390/ijerph17030708
- Mens,J.M. The use of medication in low back pain
Best Pract Res Clin Rheumatol 19 (2005)609 – 21 (zit Malanga & Wolff, 2008)
- +Mens,J.M.A. Pool-Goudzwaard,A., Beekmanns,R.E.P.M., Tijhuis,M.T.F.
Relation between subjective and objective scores on the active straight leg raising test
Spine 35 (2010)336 – 9
- +Mens,J.M. Pool-Goudzwaard,A., Stam,H.J.
Mobility of the pelvic joints in pregnancy-related lumbopelvic pain: a systematic review
Obstet Gynecol Surv 64 (2009)200 – 8
- Mens,J.M. Stam,H.J., Vleeming,A., et al.
Active straight leg raising. A clinical approach to the load transfer function of the pelvic girdle
In: Vleeming,A., Mooney,V., Snijders,C.J. et al., eds. Integrated function of the lumbar spine and sacroiliacal joint, Rotterdam, European Conference Organizers, 1995, 207 – 20 (zit. Mens et al., 2010)
- Mens,J.M. et al. Peripartum pelvic pain: a report of the analysis of an inquiry among patients of a Dutch patients society
In: Vleeming et al. (eds.): First interdisciplinary world congress on low back pain and its relation to the sacroiliacal joint. San Diego, CA, 5-6 Nov. 1992, pp. 521 – 33 (zit. Vleeming, 2005)

- +Mens,J.M. Vleeming,A., Snijders,C.J., Stam,H.J., Ginai,A.Z.
The active straight leg raising test and mobility of the pelvic joints
Eur Spine J 8 (1999)468 – 73
- +Mense,S. Nociception from skeletal muscle in relation to clinical muscle pain
Pain 54 (1993)241 – 89
- Mense,S. Pathophysiologic basis of muscle pain syndromes: an update
In: Physical Medicine and rehabilitation clinics of North America; Philadelphia, Saunders, 1997, 8: 23 – 25 (zit. Rennie, 2007)
- +Mense,S. Neurobiologische Grundlagen von Muskelschmerz
Schmerz 13 (1999)3 - 17
- +Mense,S. Pathophysiologie des Rückenschmerzes und seine Chronifizierung – tierexperimentelle Daten und neue Konzepte
Schmerz 15 (2001)413 – 417
- +Mense,S. Chronifizierung von muskuloskelettalen Schmerzen und der mögliche Einfluss körperlicher Aktivität
Abstracts Deutscher Schmerzkongress 2003, Workshop W8, Körperliche Aktivität und chronischer Schmerz
Schmerz 17 (2003) Suppl.1, S51
- +Mense,S. Mechanismen der Chronifizierung von Muskelschmerz
Orthopäde 33 (2004)525-32
- +Mense,S. Muskeltonus und Muskelschmerz
Manuelle Med 43 (2005)156 - 61
- +Mense,S. Einfluss von Schmerzen auf die Motorik
Schmerz 20 (2006) Suppl 1 S34
- +Mense,S. Chronifizierungsmechanismen des Muskelschmerzes
Manuelle Med 44 (2006)324 – 5
- +Mense,S. Das Besondere am Muskelschmerz: Muskelverspannungen als Schmerzursache

- Abstract 18. Deutscher Interdisziplinärer Schmerzkongress, 15.-17. März 2007, Frankfurt/M., S. 19
- +Mense,S. Das tierexperimentelle Beispiel: Hyperalgesie durch NGF (Nervenzwachstumsfaktor)
- Schmerz 21 (2007)Suppl., 16
- +Mense,S. Neurobiologie des Rückenschmerzes
- Schmerz 21 (2007)Suppl., 45
- +Mense,S. Muskelschmerz: Mechanismen und klinische Bedeutung
- Dt Ärztebl 105 (2008)214 - 9
- +Mense,S. Muskeltonus und Muskelschmerz
- Manuelle Med 43 (2009)156 - 61
- +Mense,S. Sind Triggerpunkte und tender points ein Ausdruck desselben Phänomens? (Abstract)
- Schmerz 23 (2009)Suppl.1: 4
- +Mense,S. Unterschiede zwischen myofaszialen Triggerpunkten und tender points
- Schmerz 25 (2011)93 - 104
- Mense,S. Basic mechanisms of muscle pain
- In : Koltzenburg,M., McMahon,S., Tracey,I., Turk,D. (eds) Textbook of Pain, 6.th edn, Saunders, Philadelphia, (2013)
- Mense,S. Hoheisel,U.
- Morphology and functional types of muscle nociceptors.
- In: Graven-Nielsen,T., Arendt-Nielsen,L., Mense,S., editors: Fundamentals of Muskuloskeletal Pain. Seattle, IASP Press, (2008), p. 3 – 17 (zit. Graven-Nielsen, 2022)
- +Mense,S. Hoheisel,U.
- Stickstoffmonoxidmangel im Rückenmark. Möglicher factor für die Entstehung von Spontanschmerzen
- Schmerz 15 (2001)19 - 25
- +Mense,S. Schiltenswolf,M.
- Fatigue and pain : what is the connection ? (Commentary)

- Pain 148 (2010)177 - 8
- Mense,S. Simons,D.G.
- Muscle Pain. Understanding its Nature, Diagnosis and Treatment
- Philadelphia, Lippincott, Williams & Wilkins, 2001
- +Mense,S. Skeppar,P.
- Discharge behaviour of feline gamma-motoneurons following induction of an artificial myositis
- Pain 46 (1991)201 – 10
- +Mense,S. Stahnke,M.
- Response in muscle afferent fibers of slow conduction velocity to contraction and ischemia in the cat
- J Physiol 342 (1983)383 – 97 (zit. Vierck,C.J., 2006)
- Mense,J. Muskeltonus und Muskelschmerz
- Manuelle Med 43 (2005)156 -61 (so zit. v.Heymann et al., 2005)
- Mensendieck,B.M. The Mensendieck system of functional exercises.
- Kristianstads Boktryckeri AB, 1989 (zit Soukup et al., 1999)
- +Mercadante,S. Opioid titration in cancer pain: A critical review
- Eur J Pain 11 (2007)823 - 30
- +Mercado,A.C. Carroll,L.J., Cassidy,J.D., Cote,P.
- Passive Coping is a risk factor for disabling neck or low back pain.
- Pain 117 (2005) 51 – 7
- Meredith,P. et al. Adult attachment, anxiety, and pain self-efficacy as predictors of pain intensity and disability
- Pain 123 (2006)146 – 54
- +Meresaar,U. Nilsson,M.J., Holmstrand,J, Anggard,E.
- Single dose pharmacogenetics and bioavailability of methadone in man studied with a stable isotope method
- Eur J Clin Pharmacol 20 (1981)473 – 8

+Merighi,A.	Salio,C., Ghirri,A., Losi,L., Ferrini,F., Betelli,C., Bardoni,r BNDF as a pain modulator Prog Neurobiol 85 (2008)297 – 317
+Merker,M.	Dinges,G., Koch,T., Kranke,P., Morin,A.M. Unerwünschte Nebenwirkungen von Tapentadol im Vergleich zu Oxycodon. Eine Metaanalyse randomisierter, kontrollierter Vergleichsstudien Schmerz 26 (2012)16 - 26
Merleau-Ponty,M.	Phänomenologie der Wahrnehmung DeGruyter, Berlin, 2011
+Merlijn,V.P.B.M.	Hunfeld,J.A.M., van der Wouden,J.C., Hazebroek-Kampschreur,A.A.J.M., Koes,B.W., Passchier,J. Psychosocial factors associated with chronic pain in adolescents Pain 101 (2003)33 - 43
Merskey,H.	in: The analysis of hysteria. London, Gaskell: Understanding Conversion and Dissociation; 1995 (so zit. Merskey, 2009)
+Merskey,H.	Pain disorder, hysteria or somatization? Pai Res Manag 9 (2004)67 -71
+Merskey,H.	Somatization: or another god that failed (commentary) Pain 145 (2009)4 - 5
Merskey,H.	Bogduk,N. Classification of chronic pain syndromes and definitions of pain terms 2 nd ed., Seattle, IASP Press, 1994,
+Mesrian,A.	Neubauer,E., Pirron,P., Schiltewolf,M. Multimodale Schmerztherapie bei chronischen und chronifizierenden Rückenschmerzen Manuelle Med 43 (2005)85 - 92
+Mesrian,A.	Neubauer,E., Schiltewolf,M.

- Gutes Therapieergebnis nach Behandlung chronischer Rückenschmerzen: wie viel Schmerzreduktion ist klinisch relevant?
- Schmerz 21 (2007)212 – 7
- +Messinger,R.B. Naik,A.K., Jagodic,M.M., Nelson,M.T., Lee,W.Y., Choe,W.J., Orestes,P., Latham,J.R., Todorovic,S.M., Jevtovic-Todorovic,V.
- In vivo silencing of the Ca.v3,2 T-type calcium channels in sensory neurons alleviates hyperalgesia in rats with streptozocin-induced diabetic neuropathy
- Pain 145 (2009)184 - 95
- +Meßlinger,K. Functional morphology of nociceptive and other fine sensory endings (free nerve endings) in different tissues
- Prog Brain Res 113 (1996)273 – 98
- +Meßlinger,K. Physiologie und Pathophysiologie der Schmerzentstehung
- Manuelle Med 40 (2002)13 – 21
- +Meßlinger,K. Neue Erkenntnisse in der Schmerzforschung und ihre klinische Relevanz
- Vortrag auf dem Europäischen Kongress Manuelle Medizin, Leipzig, 20.-22.4.2023
- Manuelle Med 61 (2023)194 - 6 doi.org/10.1007/s0037-023-00982-7
- +Meßlinger,K. Neue Erkenntnisse in der Schmerzforschung und ihre klinische Relevanz für die manuelle Medizin
- Manuelle Med 63 (2025)25 – 32 doi.org/10.1007/s00337-024-01115-4
- +Messlinger,K. Handwerker,H.O.
- Physiologie des Schmerzes
- Schmerz 29 (2015)522 - 30
- +Metz,J.P: Managing golf injuries
- Phys Sportsmed 27 (1999)1 – 12
- +Meucci,R.D. Fassa,A.G., Paniz,V.M., Silva,M.C., Wegman,D.H.
- Increase of chronic low back pain prevalence in a medium-sized city of southern Brazil

	BMC Musculoskelet Disord 14 (2013)155
Meulders,A.	From fear to movement-related pain and avoidance to chronic pain disability: a state-of-the-art review
	Curr Opin Behav Sci 26 (2019)130 – 6 (zit. Vandael et al., 2023)
+Meulders,A	Vlaeyen,J.W.S
	The acquisition and generalisation of cued and contextual pain-related fear: an experimental study using a voluntary movement paradigm
	Pain 154 (2013)272 - 286
+Mewes,R.	Rief,W., Stenzel,N., Glaesmer,H., Martin,A., Brähler,E.
	What is „normal“ disability? An investigation of disability in the general population
	Pain 142 (2009)36 - 41
+Meyer,C.	Rumpf,H.J., Hapke,U., Dilling,H., John,U.
	Lebenszeitprävalenz psychischer Störungen in der erwachsenen Allgemeinbevölkerung. Ergebnisse der TACOS - Studie
	Nervenarzt 71 (2000)535 – 42
+Meyer,C.T.	Price,A.
	The crisis in osteopathic medicine
	Acad Med. 67 (1992)810 - 6
+Meyer,L.	Venard,C., Schaeffer,V., Patte-Mensah,C., Mensah-Nyagan,A.G.
	The biological activity of 3 alpha-hydroxysteroid oxidoreductase in the spinal cord regulates thermal and mechanical pain thresholds after sciatic nerve injury
	Neurobiol Dis 30 (2008)30 – 41
+Meyer,R.A.	Prior,B.M.
	Functional magnetic resonance imaging of muscle
	Exerc Sport Sci Rev 28 (2000)89 – 92
+Meyer,T.	Cooper,J., Raspe,H.

- Disabling low back pain and depressive symptoms in the community-dwelling elderly
Spine 32 (2007)2380 – 6
- +Meyer,T.J. Miller,M.I., Metzger,R.L., Borkovec,T.D.
Development and validation of the Penn State Worry Questionnaire
Behav Res Ther 28 (1990)487 – 95
- Meyer-Holz,J. Klinische Untersuchung, Therapieverfahren
In: Meyer-Holz,J., Ernst,A. (Hrsg.): Praxishandbuch Wirbelsäulenschmerz; Thieme, Stuttgart - New York, 2006
- +Meyerding,H. Spondylolisthesis: surgical treatments and results
Surg Gynecol Obstet 54 (1932)371 – 7
- +Meyhoff,C.S. . Thomsen,C.H., Rasmussen,L.S., Nielsen,P.R.
High incidence of chronic pain following surgery for pelvic fracture
Clin J Pain 22 (2006)167 - 72
- Meziat Filho,N. Coutinho,E.S., Azevedo e Silva, G.
Association between home posture habits and low back pain in high school adolescents
Eur Spine J 24 (2015)425 – 33 doi.org/10.1007/s00586-014-3571-9
- +Mhalla,A. de Andrade,D.C., Baudic,S., PerrotS., Bouhassira,D.
Alteration of cortical excitability in patients with fibromyalgia
Pain 149 (2010)495 - 500
- +Miao,J. Wang,S., Park,W.M., Xia,Q., Fang,X., Torriani,M.P., Wood,K.B., Li.G.
Segmental spinal canal volume in patients with degenerative spondylolisthesis
Spine J 13 (2013)706 - 12
- +Michael,G.J. Averill,S., Nitkuman,A., Rattray,M., Bennett,D.L., Yan,Q., Priestley,J.V.

- Nerve growth factor treatment increases brain-derived neurotrophic factor selectively in TrkA-expressing dorsal root ganglion cells and in their central terminations within the spinal cord
- J Neurosci 17 (1997)8476 – 90
- +Michealson,P Sjölander,P., Johansson,H.
- Factors predicting pain reduction in chronic back and neck pain after multimodal treatment
- Clin J Pain 20 (2004)447 – 54
- +Michaleff,Z.A. Harrison,C., Britt,H., Lin,C.W.C., Maher,C.G.
- Ten-year survey reveals differences in GP management of neck and back pain
- Eur Spine J 21 (2012)1283 - 9
- +Michalek,A.J. Buckley,M.R., Bonassar,L.J., Cohen,I., Iatridis,J.C.
- The effect of needle puncture injury on microscale shear strain in the intervertebral disc annulus fibrosus
- Spine J 10 (2010)1098 – 1105
- +Michalek,A.J. Iatridis,J.C.
- Height and torsional stiffness are most sensitive to anular injury in large animal intervertebral discs
- Spine J 12 (2012)425 - 32
- +Michalski,D. Hinz,A
- Schmerzchronifizierung bei bei ambulanten Rückenschmerzpatienten. Anwendung des Mainzer Stadienmodells der Schmerzchronifizierung
- Schmerz 20 (2006)198 – 202
- +Michalski,D. Roick,C., Hinz,A.
- Zusammenhang der Veränderungen psychologischer und subjektiv – beschwerdebezogener Parameter durch Training der Rumpfmuskulatur
- Manuelle Med 45 (2007)175 – 82
- +Michalski,D. Zweynert,U., Kittel,J., Hinz,A.

- Schmerzempfinden und –verhalten während der orthopädischen Rehabilitation
- Schmerz 23 (2009)360 – 9
- +Michalsen,A. Blutegeltherapie bei chronischen Rückenschmerzen
- Z Komplementärmed 1 (2009)2: 30 –
- +Michel,A. Kohlmann,T., Raspe,H.,
- The association between clinical findings on physical examination and self-reported severity in back pain: results of a population-based study
- Spine 22 (1997)296 – 304
- +Michel,E. Zernikow,B.
- Buprenorphineinsatz bei Kindern. Eine klinisch-pharmakologische Übersicht
- Schmerz 20 (2006)40 - 50
- +Michel-Lauter,B. Maier,C., Schwarzer,A.
- Akzidentelle Levomethadonintoxikation bei einer Palliativpatientin
- Schmerz 26 (2012)721 - 3
- +Michele,A.A. The flip sign in sciatic nerve tension
- Surgery 44 (1958)940 – 2
- +Micheli,L.I. Guest commentary
- Pain Med J Club J 4 (1998)150 - 2
- +Micheli,L.J. Wood,R.
- Back pain in young athletes: Significant differences from adults in causes and patterns
- Arch Pediatr Adolesc Med 149 (1995)15 - 8
- +Micheva,K.D. Taylor,C.P., Smith,S.J.
- Pregabalin reduces the release of synaptiv vesicles from cultured hippocampal neurons
- Mol Pharmacol 70 (2006)467 – 76

- +Michna,E. Ross,E.L., Hynes,W.L., Nedeljkovic,S.S., Soumekh,S., Janfaza,D., Palombi,D., Jamison,R.N.
- Predicting aberrant drug behavior in patients treated for chronic pain: importance of abuse history
- J Pain Symptome Manage 28 (2004)250 – 8
- +Miciano,A.S. Derhousoff,J., Cross,C.,
- Correlation of self-reported disability in individuals with chronic low back pain: the role of multimorbidity burden, functional status and global health
- Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
- Spine J 12 (2012)Suppl.9: 33
- +Mick,C. How do we improve? 2013 presidential address
- Spine J 14 (2014)205 - 8
- Micke,F. Weissenfels,A., Wirtz,N., von Stengel,S., Dörmann,U., Kohl,M., Kleinöder,H., Donath,L., Kemmler,W.
- Similar pain intensity reduction and trunk strength improvements following whole-body electromyostimulation vs. whole-body vibration vs. conventional back strengthening training in chronic non-specific low back pain patients. A 3-armed randomized controlled trial
- Front Physiol 13 (2021)664991
doi.org/10.3389/fphys.2021.664991
- Mickle,A.D. Shepherd,A.J., Mohapatra,D.P.,
- Sensory TRP channels: the key transducers of nociception and pain
- Prog Mol Biol Transl Sci 131 (2015)73 – 118
doi.org/10.1016/bs.pmbts.2015.01.002
- Midttun,A. Bojsen-Möller,F.
- The sacrotuberous ligament pain syndrome
- In: Grieve,G.P.ed.: Modern manual Therapy of the Vertebral Column, Edinburgh, U.K., 1986: 815 – 8 (zit. Torstensson,T. et al., 2009)
- +Mielenz,T.J. Garret,J.M., Carey,T.S.

- Association of psychosocial work characteristics with low back pain outcomes
Spine 33 (2008)1270 – 5
- +Mientjes,M.I. Frank,J.S.
Balance in chronic low back pain patients compared to healthy people under various conditions in upright standing
Clin Biomech (Bristol, Avon) 14 (1999)710 – 6
- +Mieritz,R.M. Hartvigsen,J., Boyle,E., Jakobsen,M.D., Aagard,P., Bronfort,G.
Lumbar motion changes in chronic low back pain patients: a secondary analysis of data from a randomized clinical trial
Spine J 14 (2014)2618 - 27
- +Miettinen,T. Mäntyselka,P., Hagelberg,N., Mustola,S., Kalso,E., Lötsch,J.
Machine learning suggests sleep as a core factor in chronic pain
Pain 162 (2021)109 - 23
- +Migueluez-Rivera,L. Perez-Castillo,S., Gonzalez-Fernandez,M.L., Prieto-Fernandez,J.G., Lopez-Gonzalez,M.E., Garcia-Cosomalon,J., Villar-Suarez,V.
Immunomodulation of mesenchymal stemm cells in discogenic pain
Spine J 18 (2018)330 - 42
- +Mika,J. Korostynski,M., Kaminska,D., Wawrzczak-Bargiela,A., Osikowicz,M., Makuch,W., Przewlocki,R., Przewlocka,B.
Interleukin-1 alpha has antiallodynic and antihyperalgesic activities in a rat neuropathic pain model
Pain 138 (2008)587 - 97
- +Mikail,S.F. Henderson,P.R., Tasca,G.A.
An interpersonal based model of chronic pain: an application of attachment theory
Clin Psychol Rev 14 (1994)1 – 16
- +Mikawa,Y. Hamagami,H., Shikata,J., Yamamuro,T.

- Elastin in the human intervertebral disk: a histological and biochemical study comparing it with elastin in the human yellow ligament
- Arch Orthop Trauma Surg 105 (1986)343 – 9
- +Mikhail,J. Funabashi,M., Descarreaux,M., Page,I.
- Assessing forces during spinal manipulation and mobilisation: factors influencing the difference between forces at the patient – table and clinician – patient interfaces
- Chiropr Man Ther 28 (2020)57
- +Miki,K. Fukuoka,T., Tokunaga,A., Noguchi,K.
- Calcitonin gene-related peptide increase in the rat spinal dorsal horn and dorsal column nucleus following peripheral nerve injury: upregulation in a subpopulation of primary afferent sensory neurons
- Neurosci 82 (1998)1243 – 52
- +Mikkelsen,L.O. Nupponen,H., Kaprio,J., Kautiainen,H., Kujala,U.M.
- Adolescent flexibility, endurance strength, and physical activity as predictors of adult tension neck, low back pain, and knee injury: a 25-year follow up study
- Br J Sports Med 40 (2006)107 – 13
- +Mikkonen,P. Leino-Arjas,P., Remes,J., Zitting,P., Taimela,S., Karppinen,J.
- Is smoking a risk factor for low back pain in adolescents? A prospective cohort study
- Spine 33 (2008)527 – 32
- +Mikkonen,P.H. Laitinen,J., Remes,J., Tammelin,T., Taimela,S., Kaikkonen,K., Zitting,P., Korpelainen,r., Karppinen,J.
- Association between overweight and low back pain. A population-based prospective cohort study of adolescents
- Spine 38 (2013)1026 - 33
- +Milanese,S. The use of RCT's in manual therapy – Are we trying to fit a round peg into a square hole?
- Man Ther 16 (2011)403 – 5
- +Milani,C.J. Rundell,S.D., Jarvik,J.D., Friedly,J., Heagerty,P.J., Avins,A., Nerenz,D., Gold,L.S. und weitere 4 Autoren

- Associations of race and ethnicity with patient-reported outcomes and health care utilization among older adults initiating a new episode of care for back pain
- Spine 43 (2018)1007 - 17
- +Mildenberger,F.G. Das Rätsel der böhmischen Heiler in der Geschichte der manuellen Therapien
- Osteopath Med 16 (2015)3: 29 - 30
- (+)Miles,D. Bishop,M.
- Use of manual therapy for posterior pelvic girdle pain
- PM & R (2019); doi.org/10.1002/pmrj.12172
- +Miletic,G. Dumitrascu,C.I., Honstad,C.E., Micic,D., Miletic,V.
- Loose ligation of the rat sciatic nerve elicits early accumulation of Shank 1 protein in the post-synaptic density of spinal dorsal horn neurons
- Pain 149 (2010)152 - 9
- +Miletic,G. Hermes,J.L., Bosscher,G.L., Meier,B.M.; Miletic,V.
- Protein kinase C gamma-mediated phosphorylation of GluA1 in the postsynaptic density of spinal dorsal horn neurons accompanies neuropathic pain, and dephosphorylation by calcineurin is associated with prolonged analgesia
- Pain 156 (2015)2514 - 2520
- +Miletic,G. Lippitt,J.A., Sullivan,K.M., Miletic,V.
- Loss of calcineurin in the spinal dorsal horn contributes to neuropathic pain, and intrathecal administration of the phosphatase provides prolonged analgesia
- Pain 154 (2013)2024 - 33
- +Miletic,G. Miletich,V.
- Loose ligation of the sciatic nerve is associated with TrkB receptor dependent decreases in KCC2 protein levels in the ipsilateral spinal dorsal horn
- Pain 137 (2008)532 -9
- +Milette,P.C. Fontaine,S., Lepanto,L., Cardinal,E., Breton,G.

- Differentiating lumbar disc protrusions, disc bulges, and discs with normal contour but abnormal signal intensity. Magnetic resonance imaging with discographic correlations
- Spine 24 (1999)44 – 53
- +Milgrom,C. Finestone,A., Lev,B., Wiener,M., Floman,Y.
- Overexertional lumbar and thoracic back pain among recruits: a prospective study of risk factors and treatment regimes
- J Spinal Disord 6 (1993)187 – 93
- +Miljanich,G. Rauck,R., Saulino,M.
- Spinal mechanisms of pain and analgesia
- Pain Pract 13 (2013)114 - 30
- +Milkereit;A. Vorderholzer,U.
- Absetz- und Toleranzphänomene bei Antidepressiva
- Nervenheilkunde 29 (2010)283 - 8
- +Millan,M.J. Descending control of pain
- Prog Neurobiol 66 (2002)355 – 474
- +Millard,R.W. Wells,N., Theborge,R.W.
- A comparison of models describing reports of disability associated with chronic pain
- Clin J Pain 7 (1991)283 – 91
- +Millecamps,M. Centeno,M.V., Berra,H.H., Rudick,C.N., Lavarello,S., Tkatch,T., Apkarian,A.V.
- D-cycloserine reduces neuropathic pain behavior through limbic NMDA-mediated circuitry
- Pain 132 (2007)108 – 23
- +Millecamps,M. Czerminski,J.T., Mathieu,A.P., Stone,L.S.
- Behavioral signs of axial low back pain and motor impairment correlate with the severity of intervertebral disc degeneration in a mouse model
- Spine J 15 (2015)2524 - 37
- +Millecamps,M. Stone,L.S.

- Delayed onset of persistent discogenic axial and radiating pain after a single-level lumbar intervertebral disc injury in mice
- Pain 159 (2018)1843 - 55
- +Millecamps,M. Tajerian,M., Sage,H., Stone,L.S.
- Behavioral signs of chronic back pain in the SPARC-null mouse
- Spine 36 (2011)95 - 102
- +Millecamps,M. Tajerian,M., Naso,L., Sage,H., Stone,L.S.
- Lumbar intervertebral disc degeneration associated with axial and radiating low back pain in ageing SPARC-null mice
- Pain 153 (2012)1167 - 79
- +Miller,A. Candido,K.D., Knezevic,N.N., Rivera,J., Lunseth,P., Levinson,D.J., Fomoso,F., ..., Lissin,D. und weitere 18 Autoren
- A randomized, placebo-controlled trial of long-acting dexamethasone viscous gel delivered by transforaminal injection for lumbosacral radicular pain
- Pain 165 (2024)2762 – 73
doi.org/10.1097/j.pain.0000000000003287
- +Miller,G.E. Cohen,S., Ritchey,A.K.
- Chronic psychological stress and the regulation of pro-inflammatory cytokines: a glucocorticoid-resistance model
- Health Psychol 21 (2002)531 – 41
- +Miller,J.A.A. Schultz,A.B., Andersson,G.B.J.
- Load displacement behavior of sacroiliacal joint
- J Orthop Res 5 (1987)92 - 101
- +Miller,K. Yaras,A., Wen,W., Dain,B., Lynch,S.Y., Ripa,S.R., Pergolizzi,J.V., Raffa,R.
- The impact of buprenorphine transdermal delivery system on activities of daily living among patients with chronic low back pain. An application of the international classification of functioning, disability and health
- Clin J Pain 30 (2014)1015 - 22

- +Miller,M.M. Allison,A., Trost,Z., de Ruddere,L., Wheelis,T., Goubert,L., Hirsh,A.T.
- Differential impact of patient weight on pain-related judgements about male and female chronic low back pain patients
- J Pain 18 (2017) doi.org/10.1016/j.jpain.2017.09.001
- +Miller,R.A. Sampson,N.R., Flynn,J.M.
- The prevalence of defensive orthopaedic imaging: a prospective practice audit in Pennsylvania
- J Bone Joint Surg Am 94 (2012)e 18: 1 - 6
- +Miller,S.L. Coughlin,D.G., Waldorff,R.I., Ryaby,J.T., Lotz,J.C.
- Pulsed electromagnetic field (PEMF) treatment reduces expression of genes associated with disc degeneration in human intervertebral cells
- Spine J 16 (2016)720 - 36
- +Milligan,E.D. O'Connor,K.A., Nguyen,K.T., Armstrong,C.B., Twining,C., Gaykema,R.P., Holguin,A., Martin,D., Maier,S.F., Watkins,L.R.
- Intrathecal HIV-1 envelope glycoprotein gp120 induces enhanced pain states mediated by spinal cord proinflammatory cytokines
- J Neurosci 21 (2001)2808 – 19
- +Milligan,E.D. Sloane,E.M., Langer,S.J., Hughes,T.R., Jekich,B.M., Frank,M.G., Mahoney,J.H., Levkov,L.H. und weitere 8 Autoren
- Repeated intrathecal injections of plasmid DNA encoding interleukin-10 produce prolonged reversal of neuropathic pain
- Pain 126 (2006)294 - 308
- +Millon,R. Nilsen,K.H., Jayson,M.I.V., Baker,R.D.
- Evaluation of low back pain and assessment of lumbar corsets with and without back supports
- Ann Rheum Dis 40 (1981)449 – 54
- Milne,S. Welch,V., Brosseau,L., Saginur,M., Shea,B., Tugwell,F., Wells,G.

	Transcutaneous electrical nerve stimulation (TENS) for chronic low back pain
	Cochrane Database Syst Rev 2001, CD003008 (zit. AMK, 2007); The Cochrane Library, Issue 4, Update Software, Oxford, 2004
+Milner,B.	Squire,L.R., Kandel,E.R. Cognitive neuroscience and the study of memory Neuron 20 (1998)445 - 68
-Min,B.H.	Woo,J.L., Cho,H.S., Choi,B.H., Park,S.J., Choi,M.J. et al. Effects of low-intensity ultrasound (LIUS) stimulation on human cartilage explants Scand J Rheumatol 35 (2006)305 – 11 (zit. Srbely et al., 2008)
+Min,S.K.	Nakazato,K., Yamamoto,Y., Gushiken,K., Fijimoto,H., Fujihiro,H.,Kobayakawa,Y. Hiranuma,K. Cartilage intermediate layer protein gene is associated with lumbar disc degeneration in collegiate judokas Am J Sports Med 38 (2010)2552 – 7
+Min,S.K.	Nakazato,K., Okada,T., Ochi,E., Hiranuma,K. The cartilage intermediate layer protein is associated with lumbar disc degeneration in college judikas Int J Sports Med 30 (2009)691 – 4
-Minamide, A. et al.	Effects of basic fibroblast growth factor on spontaneous resorption of herniated intervertebral discs. An experimental study in the rabbit Spine 24 (1999)940 – 5 (zit. Hatamo et al., 2006)
+Miners,A.L.	Chiropractic treatment and the enhancement of sport performance: a narrative literature review J Can Chiropr Assoc 54 (2010)210 - 22
+Miners,A.L.	de Graauw,C. A survey of fellows in the college of chiropractic sports sciences (Canada): their intervention practices and intended therapeutic outcomes when trating athletes

- J Can Chiropr Assoc 54 (2010)282 - 92
- +Minetama,M. Kawakami,M., Teraguchi,M., Kagotani,R., Mera,Y., Sumiya,T., Nakagawa, M., Yamamoto,Y. und 6 weitere Autoren
- Supervised physical therapy vs. home exercise for patients with lumbar spinal stenosis: a randomized controlled trial
- Spine J 19 (2019)1310 - 8
- +Minetama,M. Kawakami,M., Teraguchi,M., Nakagawa,M., Yamamoto,Y., Sakon,N., Nakatani,T., Matsuo,S., Nakagawa,Y.
- Responsiveness of the Zurich Claudication Questionnaire in patients with lumbar spinal stenosis undergoing nonsurgical treatment. A secondary analysis of a randomized controlled trial
- Spine 49 (2024)1275 – 80
doi.org/10.1097/BRS.0000000000004984
- (-)Minghelli,B. Musculoskeletal spine pain in adolescents: Epidemiology of non-specific neck and low back pain and risk factors
- J Orthop Sci (2019) 7.11.2019;
doi.org/10.1016/j.jos.2019.10.008
- Minghelli,B. Oliveira,R., Nunez,C.
- Non-specific low back pain in adolescents from the south of Portugal: prevalence and associated factors
- J Orthop Sci 19 (2014)883 – 92 doi.org/10.1007/s00776-014-0626-z
- +Minh Hoa,T.T. Darmawan,J., Chen,S.L., Hung,N.V., Nhi,C.T., An,T.N.
- Prevalence of the rheumatic diseases in urban Vietnam: a WHO-ILAR COPCORD study
- J Rheumatol 30 (2003)2252 – 6
- +Mior,S. Exercise in the treatment of chronic pain
- Clin J Pain 17 (2001)S77 - 83
- +Mior,S.A. McGregor,M., Schut,B.
- The role of experience in clinical accuracy
- J Manipulative Physiol Ther 13 (1990)68 – 71
- +Miranda,H. Viikari-Juntura,E., Martikainen,R., R., Takala,E.P., Riihimäki,H.

- Physical exercises and musculoskeletal pain among forest industry workers
Scand J Med Sci Sports 11 (2001)239 – 46
- +Miranda,H. Viikari-Juntura,E., Martikainen,R., Takala,E.P., Riihimäki,H.
Individual factors, occupational loading, and physical exercise as predictors of sciatica pain
Spine 27 (2002)1102 – 9
- Miranda,H. Viikari-Juntura,E., Punnett,L., Riihimäki,H.
Occupational loading, health behavior and sleep disturbance as predictors of low back pain
Scand J Work Environ Health 34 (2008)411 – 9 (zit. Shiri et al., 2010)
- +Miranda-Cardenas,Y. Rojas-Piloni,G., Martinez-Lorezana,G., Rodriguez-Jimenez,J., Lopez-Hidalgo,M., Freund-Mercier,M.J., Condez-Lara,M.
Oxytocin and electrical stimulation of the paraventricular hypothalamic nucleus produce antinociceptive effects that are reversed by an oxytocin antagonist
Pain 122 (2006)182 – 9
- +Miraucourt,L.S. Moisset,X., Dallel,R., Voisin,D.L.
Glycin inhibitory dysfunction induces a selectively dynamic, morphin-resistant, and neurokinin 1 receptor – independent mechanical allodynia
J Neurosci 29 (2009)2519 – 27
- +Miraucourt,L.S. Peirs,C., Dallel,R., Voisin,D.L.
Glycin inhibitory dysfunction turns touch into pain through astrocyte-derived D-serine
Pain 152 (2011)1340 - 8
- Mirka,G.A. Marras,W.S.
A stochastic model of trunk muscle coactivation during trunk bending
Spine 18 (1993)1396 – 409 (zit. Renkawitz et al., 2006)
- Miro,J. Paredes,S., Rull,M., Queral,R. Miralles,R. et al.

	Pain in older adults: A prevalence study in the Mediterranean region of Catalonia Eur J Pain 11 (2007)83 – 92
+Mirtz,T.A.	Greene,L. Is obesity a risk factor for low back pain? An example of using the evidence to answer a clinical question Chiropr Osteopat 13 (2005)2 (zit. Khoueir et al., 2009)
+Mirza,S.H.	Deyo,D. Systematic review of randomized trials comparing lumbar fusion surgery to nonoperative care for treatment of chronic back pain Spine 32 (2007)816 - 23
+Mirza,S.H.	Deyo,R.A., Heagerty,P.J., Turner,J.A., Martin,B.A., Comstock,B.A. One-year outcomes of surgical versus nonsurgical treatments for discogenic back pain: a community-based prospective cohort study Spine J 13 (2013)1421 - 33
Mirzai,H.	Tekin,I., Yaman,O., Bursali,A. The results of nucleoplasty in patients with lumbar herniated disc: a prospective clinical study of 52 consecutive patients Spine J 7 (2007)88 – 93
+Misgeld,U.	Deisz,R.A., Dodt,H.U., Lux,H.D. The role of chloride transport in postsynaptic inhibition of hippocampal neurons Science 232 (1986)1413 – 5
+Mistry,D.	Patel,S., Hee,S.W., Stallard,N., Underwood,M. Evaluating the quality of subgroup analyses in randomized controlled trials of therapist-delivered interventions for nonspecific low back pain. A systematic review Spine 39 (2014)618 - 26
+Mitchell,B.	Colson,E., Brukner,P., Carington,E., Fehlberg,M., Holmes,M., Sinclair,C.

- PB110: Low back pain: a common presentation of hip joint pathology
- Pain Pract 9 (2009)Suppl.1: 124
- +Mitchell,F.L.Jr. Das Mitchell – Johnston Experiment: Funktionelle versus struktureller Ansatz
- Osteopathische Med 7 (2006)2: 34 – 6
- +Mitchell,F.L.,Jr. Mitchell,K.G.
- The Muscle Energy Manual
- MET Press, East Lansing, Michigan, Vol. 1 1995, 1998
- +Mitchell,F.L.Jr. Mitchell,K.G.
- Handbuch der Muskel Energie Techniken, Band 3., Diagnostik und Therapie: Becken und Sakrum, Hippokrates, Stuttgart 2005
- Mitchell,F.L. Sr. The balanced pelvis and its relationship to reflexes
- Academy of Applied Osteopathy Yearbook 1948, pp. 146 - 151
- +Mitchell,K. Porter,M., Anderson,L., Phillips,C., Arceo,G., Moritz,B., Levy,S., Gombatto,S.P.
- Differences in lumbar spine and lower extremity kinematics in people with and without low back pain during a step-up task: a cross-sectional study
- BMC Musculoskelet Disord 18 (2017)369 doi: 10.1186/s12891-017-1721-z
- +Mitchell,R.I. Carmen,G.M.
- The functional restoration approach to the treatment of chronic pain in patients with soft tissue and back injuries
- Spine 19 (1994)633 – 43
- (+)Mitchell,U.H. Helgeson,K., Mintken,P.
- Physiological effects of physical therapy interventions on lumbar intervertebral discs: a systematic review
- J Physiother Theor Pract 33 (2017)9: doi.org/ 10.1080/09593985.2017.1345026 (Internetzugriff 31.10.2017)

+Mittermayer,F.

Tilscher,H.

Verbesserung der Compliance für Bewegungsübungen bei chronischen Rückenschmerzen mittels Handy-App

Manuelle Med 57 (2019)42 - 7

Mitwod,K.S.

Salter,D.M.

NG2/HMPG modulation in of human articular chondrocyte adhesion to type VI collagen is lost in osteoarthritis

J Pathol 195 (2001)631 – 5 (zit Akeda et al., 2007)

+Miura,T.

Yamanaka,M., Ukishiro,K., Tohyama,H., Saito,H., Samukawa,M., Kobayashi,T., Ino,T., Takeda,N.

Individuals with chronic low back pain do not modulate the level of transversus abdominis muscle contraction across different postures

Man Ther 19 (2014)534 – 40

+Mixer,W.J.

Barr,J.S.

Rupture of the intervertebral disc with involvement of the spinal canal

N Engl J Med 211 (1934)210 – 5

+Miyagi,M.

Ishikawa,T., Kamoda,H., Suzuki,M., Murakami,,K., Shibayama,M., Orita,S., Eguchi,Y. und weitere 11 Autoren

ISSLS prize winner: Disc dynamic compression in rats produces long-lasting increases inflammatory mediators in discs and induces long-lasting nerve injury and regeneration of the afferent fibers innervating discs. A pathomechanism for chronic discogenic low back pain

Spine 37 (2012)1810 - 8

+Miyagi,M.

Millemcamps,M., Danco,A.T., Ohtori,S., Takahashi,K., Stone,L.S.

ISSLS prize winner: Increased innervation and sensory nervous plasticità in a mouse model of low back pain due to intervertebral disc degeneration

Spine 39 (2014)1345 - 54

+Miyamoto,G.C.

Costa,L.O., Galvanin,T., Cabral,C.M.,

- Efficacy of the addition of modified Pilates exercises to a minimal intervention in patients with chronic low back pain: a randomized controlled trial
- Phys Ther 93 (2013)310 – 20
- +Miyamoto,H. Saura,R., Harada,T., Doita,M., Mizuno,K.
- The role of cyclooxygenase-2 and inflammatory cytokins in pain induction of herniated intervertebral disc
- Kobe J Med Sci 46 (2000)13 – 26
- +Miyamoto,H. Saura,R. Doita,M., Kurosaka,M., Mizuno,K.
- The role of cyclooxygenase-2 in lumbar disc herniation
- Spine 27 (2002)2477 – 83
- +Miyamoto,K. Iinuma,N., Maeda,M., Wada,E., Shimizu,K.
- Effects of abdominal belts on intra-abdominal pressure, intra-muscular pressure in the erector spinae muscle and myoelectrical activities of trunk muscles
- Clin Biomech 14 (1999)79 – 87
- +Miyamoto,K. Masuda,K., Kim,J.G., Inoue,N., Akeda,K., Andersson,G.B.J., An,H.S.
- Intradiscal injection of osteogenic protein-1 restore the viscoelastiv properties of degenerated intervertebral discs
- Spine J 6 (2006)692 – 703
- Miyamoto,M. Konno,S., Gembun,Y. et al.
- Epidemiological study of low back pain and occupational risc factors among smoking taxi drivers
- Ind Health 46 (2008)112 – 7 (zit. Shiri et al., 2016)
- +Miyasaka,K. Ohmori,K., Suzuki,K., Inoue,H.
- Radiographic analysis of lumbar motion in relation to lumbosacral stability. Investigation of moderate and maximum motion
- Spine 25 (2000)732 – 7
- +Miyata,S. Komatsu,Y., Yoshimura,Y.,Taya,C., Kitigawa,H.

- Persistent cortical plasticity by upregulation of chondroitin 6-sulfation
- Nat Neurosci 15 (2012)414 – 22, S411 – 2
- +Miyachi,A. Baba,I., Sumida,T., Manabe,H., Hayashi,Y., Ochi,M.
- Relationship between the histological findings of spondylolytic tissue, instability of the loose lamina and low back pain
- Spine 33 (2008)687 – 93
- +Mizher,A. Rüegg,A., Walthard,P., Hasler,T.
- Instabilität der Wirbelsäule. Ursachen, Diagnose und Behandlung
- Manuelle Med 50 (2012)211 - 16
- +Mizher,A. Rüegg,A.
- Erhebliche Wirbelsäulenschäden schon durch kleine Beinlängendifferenzen
- Manuelle Med 54 (2016)150 - 5
- +Mizrahi,O. Sheyn,D., Tawackoli,W., Ben-David,S., Su,S., Li,N., Oh,A., Bae,H., Gazit,D., Gazit,Z.
- Nucleus pulposus degeneration alters properties of resident progenitor cells
- Spine J 13 (2013)803 - 14
- +Mizuno,J. Nakagawa,H., Iwata,K., Hashizume,Y.
- Pathology of spinal cord lesions caused by ossification of the posterior longitudinal ligament, with special reference to reversibility of the spinal cord lesion
- Neurol Res 14 (1992)312 – 14
- +Mizumo,J. Nakagawa,H., Inour,T., Hashizume,Y.
- Clinicopathological study of „snake-eye appearance“ in compressive myelopathy of the cervical spinal cord
- J Neurosurg 99(Spine 2) (2003)162 – 8
- +Mkandawire,N.C. Boot,D.A., Braithwaite,I.J., Patterson,M.

- Musculoskeletal recovery 5 years after severe injury: long-term problems are common
- Injury 33 (2002)111 – 5
- +Mlekusch,S. Neziri,A.Y., Limacher,A., Jüni,P., Arendt-Nielsen,L., Curatolo,M.
- Conditioned pain modulation in patients with acute and chronic low back pain
- Clin J Pain 32 (2016)116 - 21
- +Mlekusch,S. Schliessbach,J., Camara,R.J.A., Arendt-Nielsen,L., Jüni,P., Curatolo,M.
- Do central hypersensitivity and altered pain modulation predict the course of low back pain and neck pain?
- Clin J Pain 29 (2013)673 - 80
- +Moalem,G. Xu,K., Yu,L.
- T-lymphocytes play a role in neuropathic pain following peripheral nerve injury in rats
- Neurosci 129 (2004)767 – 77
- +Moayedl,M. Commentary: All roads lead to the insula
- Pain 155 (2014)1920 - 1
- +Modic,M.T. Point of view
- Spine 36 (2011)2308
- +Modic,M.T. Masaryk,T.J., Ross,J.S., Carter,J.B.
- Imaging of degenerative disc disease
- Radiology 168 (1988b)177 – 86
- +Modic,M.T. Obuchowski,N.A., Ross,J.S., Brant-Zawadski,M.N., Grooff,P.N., Mazanec,D.J., Benzel,E.C.
- Acute low back pain and radiculopathy: MR imaging findings and their prognostic role and effect on outcome
- Radiology 237 (2005)597 - 604
- +Modic,M.T. Steinberg,P.M., Ross,J.S., Masaryk,T.J., Carter,J.R.
- Degenerative disc disease: assessment of changes in vertebral body marrow with MR imaging

	Radiology 166 (1988)193 – 9
-Modic,M.T. et al.	Natural history of acute low back pain and / or radiculopathy and role of diagnostic imaging
	Radiology 237 (2005)597 – 604 (zit. Ross, 2006)
+Modol,L.	Cobianchi,S., Navarro,X.
	Prevention of NKCC1 phosphorylation avoids downregulation of KCC2 in central sensory pathways and reduces neuropathic pain after peripheral nerve injury
	Pain 155 (2014)1577 - 90
Moffett,J.K.	Richardson,G., Sheldon,T.A., Maynard,A.
	Back pain: its management and cost to society. Discussion paper 129, Center for Health Economics, York Health Economic Consortium, York, England: The University of York, 1995 (zit. Foster et al., 1999).
Moffett,J.K.	Torgerson,D., Bell-Syer,S., Jackson,D., Llewlyn-Phillips,H., Farrin,A.
	Randomized controlled trial of exercise for low back pain: clinical outcomes, costs and preferences
	Br Med J 319 (1999)279 – 83
+Moffett,J.K.	Mannion,A.F.
	What is the value of physical therapies for back pain?
	Best Pract Res Clin Rheumatol 19 (2005)623 – 38 (zit. AMK, 2007)
+Klaber Moffett,J.A.	Chase,S.M., Portek,I., Ennis,J.R.
	A controlled prospective study to evaluate the effectiveness of a back school in the relief of chronic low back pain
	Spine 11 (1986)120 – 2
+Klaber Moffett,J.	Torgerson,D., Bell-Syer,S., Jackson,D., Llewlyn-Phillips,H., Farrin,A., Barber,J.
	Randomized controlled trial of exercise for low back pain. Clinical outcomes, costs and preferences
	BMJ 319 (1999)279 – 83
+Moffroid,M.T.	Haught,L.D., Henry,S.M., Short,B.

- Distuingishable group of musculoskeltal low back pain patients and asymptomatic control subjects based on physical measures of the NIOSH Low Back Atlas
- Spine 19 (1994)1350 – 8
- +Mogensen,A.M. Gausel,A.M., Wedderkopp,N., Kjaer,P., Leboeuf-Yde,C.
- Is active participation in specific sport activities linked with back pain
- Scand J Med Sci Sports 17 (2007)680 – 6
- +Mogil,J.S. The genetic mediation of individual differences in sensitivity to pain and its inhibition
- Proc Natl Acad Sci USA 96 (1999)7744 – 51
- +Mogil,J.S. Are we getting anywhere in human pain genetics? (Commentary)
- Pain 146 (2009)231 – 2
- +Mogil,J.S. Animal models of pain: progress and challanges
- Nat Rev Neurosci 10 (2009a)283 – 94
- Mogil,J.S. Devor,M.
- Introduction to pain genetics
- In: Mogil,J.S. (ed.): The genetic of pain; Seattle, IASP Press 2004, 1 – 14 (zit. Nielsen et al., 2008)
- +Mogren,I.M. BMI, pain and hyper-mobility are determinants of long term outcome for women with low back pain and pelvic pain during pregnancy
- Eur Spine J 15 (2006)1093 – 1102
- (-)Mohamed,R.R. Abdel-Aziem,A.A., Mohamed,H.Y., Diab,R.H.
- Chronic low back pain changes the latissimus dorsi and gluteus maximus muscles activation pattern and upward scapular rotation: A cross-sectional study
- J Back Musculoskel Rehab prrpress 18.6.2021
doi.org/10.3233/BMR-200253
- +Mohan,A. Fitzsimmons,B., Zhao,H.T., Jiang,Y., Mazur,C., Swayze,E.E., Kordasiewicz,H.B.

- Antisense oligonucleotides selectively suppress target RNA in nociceptive neurons of the pain system and can ameliorate mechanical pain
- Pain 159 (2018)139 - 49
- Mohan,V. Paungmali,A., Silitertpisan,P., Henry,L.J., Mohamad,N.B., Kharami,N.N.B.
- Feldenkrais method on neck and low back pain to he type of exercises and outcome measurement tools: a systematic review
- Polish Ann Med (2016)
- +Mohokum,M. Marnitz,U.
- Training der Tiefenmuskulatur im Rahmen der multimodalen Schmerztherapie
- Manuelle Med 52 (2014)151 - 4
- +Mohr,C. Leyendecker,S., Mangels,I., Machner,B., Sander,T., Helmchen,C.
- Central representation of cold-evoked pain relief in capsaicin induced pain: an event-related fMRI study
- Pain 139 (2008)416 – 30
- +Mohseni-Bandpei,M.A. Fakhri,M., Ahmad-Shirvani,M., Bagheri-Nessami,M., Khalilian,A.R., Shayesteh-Azar,M., Mohseni-Bandpei,H.
- Low back pain in 1,100 Iranian pregnant women: prevalence and risk factors
- Spine J 9 (2009)795 – 801
- +Mohseni-Bandpei,M.A. Ehsani,F., Behtash,H., Ghanipour,M.
- Occupational low back pain in primary and high school teachers: prevalence and associated factors
- J Manipulat Physiol Ther 37 (2014)702 - 8
- Moisset,X. Pereira,B., Bouhassira,D., Attal,N.
- Pregabalin: a better neuropathic pain treatment in rodents than in humans
- Pain 161 (2020)2425 – 7
- doi.org/10.1097/j.pain.0000000000001993

- +Mok,F.P.S. Samartzis,D., Karppinen,J., Luk,K.D.K., Fong,D.Y.T., Cheung,K.M.C.
- ISSLS prize winner: Prevalence, determination, and association of Schmorl nodes of the lumbar spines with disc degeneration
- Spine 35 (2010)1944 – 52
- + Mok,F.P.S. Samartzis,D., Karppinen,J., Luk,K.D.K., Fong,D.Y.T.
- Modic changes of the lumbar spine: prevalence, risk factors, and association with disc degeneration and low back pain in a large-scale population-based cohort
- Spine J 16 (2016)32 - 41
- +Mok,N.W. Brauer,S.G., Hodges,P.W.
- Hip strategy for balance control in quiet standing is reduced in people with low back pain
- Spine 29 (2004)107 – 12
- +Mokov,I. Weber,K., Buchmann,J., Zolotov,B., Daentzer,D.
- Untersuchung der Korrelation des Patrick-Zeichens mit dem Schmerzempfinden in der Lenden – Becken - Hüft –Region unter konservativer Therapie. Eine monozentrische, einarmige, explorative, prospektive Studie
- Manuelle Med 56 (2018)174 - 81
- +Molina-Cubero,S. Bosca-Gandia,J.J., Rus-Martinez,M.A.
- Assessment of low back and pelvic pain after applying the pelvis global manipulative technique in patients with primary dysmenorrhea: a pilot study
- Eur J Ost Clin Rel Res 7 (2012)29 – 38
- (-)Molina-Cubero,S. Lomas-Varga,R., Hita-Contreras,F., Plaza-Manzano,G., Achalandabazo,A., Ramoz-Morcillo,A.I. et al.
- Immediate effects of spinal manipulation on nitric oxide, substance P, and pain perception
- Man Ther 19 (2014)411 – 13 (zit. Castro-Sanchez et al., 2016)
- +Moll,C. Murre,C., Lazdunski, Ulrich,J.

- Increase of sodium channels in demylinated lesions of multiple sclerosis
Brain Res 556 (1991)311 – 6
- +Moll,H. Bischoff,P., Graf,M., Beyer,W.F., Harke,G., Beyer,L:
Die reversible hypomobile artikuläre Dysfunktion – die Blockierung
Manuelle Med 48 (2010)426 - 34
- Moll,H. Harke,G., Graf,M.
Brustwirbelsäule (BWS): Manuelle Diagnostik und Therapie
Manuelle Med 44 (2006)487 – 94
- +Moll,W. Zur Therapie akuter lumbovertebraler Syndrome durch optimale medikamentöse Muskelrelaxation mittels Diazepam
Med Welt 24 (1973)1747 – 51
- +Möller-Leimkühler,A:M.C Heller,J.
Male depression
Mann – wissenschaftliches Journal für Männergesundheit 7 (2009)15 – 20
- +Molliver,D.C. Cook,S.P., Carlsten,J.A., Wright,D.E., McCleskey,E.W.
ATP and UTP excite sensory neurons and induce CREB phosphorylation through the metabotropic receptor P2Y2
Eur J Neurosci 16 (2002)1850 – 60
- +Molliver,D.C. Radenke,M.E., Feinstein,S.C., Snider,W.D.
Presence or absence of TrkA protein distinguishes subsets of small sensory neurons with unique cytochemical characteristics and dorsal horn projection
J Comp Neurol 361 (1995)404 – 16
- +Molnar,D.S. Flett,G.I., Sadawa,S.W., Colautti,J.
Perfectionism and health functioning in women with fibromyalgia
J Psychosom Res 73 (2012)295 – 300
- Molo-Bettelini,C Testa-Mader,A., Clerici,N, Johnson,S., Mock,E., Allidi,O.

Prävalenz und Chronifizierungsfaktoren von lumbalen Rückenschmerzen: Die Bedeutung von psychosozialen und beruflichen Einflüssen

In: Keel,P., Perini,C., Schütz-Petitjean,D. (Hrsg.):
Chronifizierung von Rückenschmerzen: Hintergründe, Auswege. Schlussbericht des nationalen Forschungsprogramms Nr. 26B; EULAR Verlag, Basel, 1996, S. 43 – 51

+Molton,I.R.

Terrill,A.L.

Overview of persistent pain in older adults

Am Psychol 69 (2014)197 – 207

+Molzof,H.E.

Newman,A.K., Barnett,M.D., Guck,A., Scott,W., Sturgeon,J.A., Trost,Z.

Validating Invalidation. Examining the construct validity of the Illness Invalidation Inventory among individuals with chronic low back pain

Clin J Pain 36 (2020)344 - 51

+Momsen,A.M.H.

Jensen,O.K., Nielsen,C.V., Jensen,C.

Multiple somatic symptoms in employees participating in a randomized controlled trial associated with sickness absence because of nonspecific low back pain

Spine J 14 (2014)2868 - 76

+Monie,A.P.

Price,R.I., Lind,C.R.P., Singer,K.P.

Structure-specific movement patterns in patients with chronic low back dysfunction using lumbar combined movement examination

J Manipul Physiol Ther (2017) doi:
<http://dx.doi.org/10.1016/j.jmpt.2017.02.011>

+Montecuccio,C.

Schiavo,G.

Structure and function of tetanus and botulinum neurotoxins

Q Rev Biophys 28 (1995)423 – 72

+Montgomery,B.

Does paracetamol cause hypertension?

BMJ 336 (2008)1190 – 1

+Montgomery,G.H.

Kirsch,I.

Classical conditioning and the placebo effect

Pain 72 (1997)107 – 13

Monticone,M.

Ambrosini,E., Rocca,B., Magni,S., Brivio,F., Ferrante,S.

A multidisciplinary rehabilitation programme improves disability, kinesiophobia and walk ability in subjects with chronic low back pain: results of a randomized controlled pilot study

Eur Spine J 23 (2014)2105 – 2113 (zit. Schroeder et al., 2015)

+Monticone,M.

Ambrosini,E., Rocca,B., Cazzaniga,D., Liquori,V., Foti,C.

Group-based task-oriented exercises aimed at managing kinesiophobia improved disability in chronic low back pain

Eur J Pain 20 (2016)541 – 51 (Internetzugriff 20.12.2016)

+Monticone,M.

Ferrante,S., Rocca,B., Baiardi,P., Dal Farra,F., Foti,C.

Effect of long-lasting multidisciplinary program on disability and fear-avoidance behaviours in patients with chronic low back pain. Results of a randomized controlled trial

Clin J Pain 29 (2013)929 - 38

+Moody,D.E.

Fang,W.B., Morrison,J., McCance-Katz,E.

Gender differences in pharmacokinetics of maintenance dosed buprenorphine

Drug Alcohol Depend 118 (2011)479 – 83

+Moojen,W.A.

Schenck,C.D., Lycklama a Nijeholt,G.J., Jacobs,W.C.H., van der Kallen,B.F., Arts,M.P., Peul,W.C., Vleggeert-Lankamp,C.L.A.M

Preoperative MRI in patients with intermittent neurogenic claudication: relevance for diagnosis and prognosis

Spine 43 (2018)348 - 55

+Moon,H.J.

Kim,J.H., Lee,H.S., Chotai,S., Kang,J.T., Suh,J.K., Park,Y.K.

Annulus fibrosus cells interact with neuron-like cells to modulate production of growth factors and cytokines in symptomatic disc generation

Spine 37 (2012)2 – 9

Moon,H.J.

Park,Y.K., Ryu,Y., Kim,J.H., Kwon,T.H., Chung,H.S., Kim,J.H.

- The angiogenetic capacity from ligamentum flavum subsequent to inflammation: a critical component of the pathomechanism of hypertrophy
- Spine 37 (2012)E147 – 55
doi.org/10.1097/BRS.0b013e3182269b19
- +Moon,J.H. Kuh,S.U., Park,H.S., Kim,K.H., Park,J.Y., Chin,D.K., Kim,K.S., Cho,Y.E.
- Triamcinolone decreases bupivacaine toxicity to intervertebral disc cell in vitro
- Spine J 12 (2012a)665 - 73
- +Moon,S.H. Nishida,K., Gilbertson,L.G., Lee,H.M., Kim,H., Hall,R.A., Robbins,P.D., Kang,J.D.
- Biologic response of human intervertebral disc cells to gene therapy cocktail
- Spine 33 (2008)1850 - 5
- +Mooney,V. The classification of low back pain
- Ann Med 21 (1989)321 – 5
- +Mooney,V. Pozos,R., Vleeming,A., Gulick,J., Swenski,D.
- Exercise treatment for sacroiliac joint pain
- Orthopedics 24 (2001)29 – 32
- Mooney,V. Point of view
- Spine 26 (2001)2532 – 3 (zit Resnick, 2007)
- +Mooney,V. Gulick,J., Perlman,M., Levy,D., Pozos,R., Leggett,S., Resnick,D.
- Relationship between myoelectric activity, strength and MRI of the lumbar extensor muscles in back pain patients and normal subjects
- J Spinal Disord 10 (1997)348 – 56
- +Mooney,V. Matheson,L.N., Verna,J., Leggett,S., Dreisninger,T.E., Mayer,J.M.
- Performance-integrated self-report measurement of physical ability
- Spine J 10 (2010)433 - 40

Robertson, J.

Clin Orthop Rel Res 115 (1976)149 – 56

Crispel,Y., Lev,R., Pud,D., Yarnitzky,D.

Pain 152 (2011)1469 - 77

von Korff,M., Cherkin,D., Cherkin,D., Saunders,K., Lorig,K.

Pain 88 (2000)145 – 53

Kohno, T., Karchewski, I.A., Scholz, J., Baba, H., Woolf, C.J.

J Neurosci 22 (2002)6724–31

Bhatia,M., Moochhala,S.

Trends Pharmacol Sci 24 (2003)609 – 11

Derry,S., Straube,S., Ireson-Paine,J., Wiffen,P.

Pain 155 (2014)14 - 21

Smugar, S.S., Wang, H., Peloso, P.M., Gammaitoni, A.

Pain 151 (2010a)592 - 7

Straube.S., Derry.S., McQuay.H.J.

Chronic low back pain analgesic studies – A methodologic minefield

- Pain 149 (2010)431 - 4
- +Moore,R.J. The vertebral endplate: disc degeneration, disc regeneration
Eur Spine J 15 (2006)Suppl.3: S333 – 7 (zit. Rodriguez et al., 2015)
- +Moore,R.J. Vernon-Roberts,B., Fraser,R.D.
Changes in endplate vascularity after an outer annulus tear in the sheep
Spine 17 (1992)874 – 8
- +Moore,R.J. Vernon-Roberts,B., Fraser,R., Osti,O., Schembri,M.
The origin and fate of herniated lumbar intervertebral disc tissue
Spine 21 (1996)2149 – 55 (zit. Pezowicz et al., 2006)
- +Moore,R.L. Clifford,A.M., Moloney,N., Doody,C., Smart,K.M., O’Leary,H.
The relationship between clinical and quantitative measures of pain sensitization in knee osteoarthritis
Clin J Pain 36 (2020)336 - 43
- +Moorhouse,K.M. Granata,K.P.
Role of reflex dynamics in spinal stability: intrinsic muscle stiffness alone is insufficient for stability
J Biomech 40 (2007)1058 – 65
- +Moorman,A.C. Newell,D.
Impact of audible pops associated with spinal manipulation on perceived pain: a systematic review
Chiropr Man Ther 30 (2022)42 doi.org/10.1186/s12998-022-00454-0
- +Moos,V. Fickert,S., Müller,B., Weber,U., Sieper,J.
Immunohistological analysis of cytokine expression in human osteoarthritic and healthy cartilage
J Rheumatol 26 (1999)870 – 9
- +Mootz,R.D. Keating,J.C.Jr., Kontz,H.P., Milus,T.B., Jacobs,G.E.
Intra- and interobserver reliability of passive motion palpation of the lumbar spine

- J Manipulative Physiol Ther 12 (1989)440 – 5
- +Morasco,B.J. Smith,N., Dobscha,S.K., Deyo,R.A., Hyde,S., Yarborough,B.J.H.
- Outcomes of prescription opioid dose escalation for chronic pain: results from a prospective cohort study
- Pain 161 (2020)1332 - 40
- Mörchen,L. Anheyer,D., Cramer,H.
- Yoga und Schmerz: Stand der Forschung
- Zaenmagazin 17 (2025)1: 36 - 8
- +Moreau,N. Mauborgne,A., Bourgoin,S., Couraud,P.O., Romero,I.A.,
- Weksler,B.B., Villanueva,L., Pohl,M., Boucher,Y.
- Early alterations of Hedgehog signaling pathway in vascular endothelial cells after peripheral nerve injury elicit blood-nerve barrier disruption, nerve inflammation, and neuropathic pain development
- Pain 157 (2016)827 - 39
- +Moreira,J.M. de Fatima Silva,M., Moleiro,C., Aguiar,P., Andrez,M.,
- Bernandes,S., Afonso,H.
- Perceived social support as an offshoot of attachment style
- Pers Indiv Diff 34 (2003)485 – 501
- +Morello,F. Perino,A., Hirsch,E.
- Phosphoinositide 3-kinase signalling in the vascular system
- Cardiovasc Res 82 (2009)261 – 71
- Morgan,D. Sugaya,H., Banks,S., Cook,F. eds.
- A new twist on golf kinematics and low back injuries: the crunch factor
- 21st Annual Meeting of the American Society of Biomechanics. Clemson SC, Clemson University, 1997 (zit. Cole & Grimshaw, 2014)
- +Morgan,G.E. Mikhail,M.S., Murray,M.J.
- Clinical Anesthesiology, 4th ed. New York, Lange medical Books/McGraw Hill, 2006, 263 – 75
- +Morgan,M.M. Whittier,K.L., Hegarty,D.M., Aicher,S.A.

- Periaqueductal gray neurons project to spinally projecting GABAergic neurons in the rostral ventromedial medulla
- Pain 140 (2008)376 - 86
- +Mori,H. Mishina,M.
- Structure and function of the NMDA receptor channel
- Neuropharmacology 34 (1995)1219 – 37
- Mori,T. Sakai,Y., Kayano,M., Matsuda,A., Oboki,K., Matsumoto,K., Harada,A., Niida,S., Watanabe,K.
- MicroRNA transcription analysis on hypertrophy of ligamentum flavum in patients with lumbar spinal stenosis
- Spine Surg Relat Res 1 (2017)211 – 7
doi.org/10.22603/ssrr.1.2017-0023
- +Morimoto,K. Harrington,A., Nelson,C., Loveless,B.
- Osteopathic approach to sacroiliac joint pain in pregnant patients
- J Osteopath Med 122 (2022)235 – 42
doi.org/10.1515/jom-2021-0231
- +Morisi,F. Raffi,G.B., Cauderella,R.
- Gli effetti delle vibrazioni a bassa frequenza sul rachide umano
- (Effects of low frequency vibrations on the human spine)
- Boll Soc Ital Biol Sper 55 (1979)190 – 4
- +Morita,K. Kitayama,T., Morioka,N., Dohi,T.
- Glycinergic mediation of tactile allodynia induced by platelet-activating factor (PAF) through glutamate-NO-cyclic GMP signalling in spinal cord in mice
- Pain 138 (2008)525 - 36
- +Moritz,S. Liu,M.P., Rickhi,B., Xu,T.J., Paccagnan,P., Quan,H.
- Reduced health resource use after acupuncture for low back pain
- J Altern Complement Med 17 (2011)1015 - 9

- (-)Moritz,U. Evaluation of manipulation and other manual therapy: criteria for measuring the effect of treatment
Scand J Rehabil Med 11 (1979)173 – 9 (zit. Dagenais,2016)
- +Morley,J.J. Traum,E.
The effects of dorso-lumbar motion restriction on the ground reaction force components during running
J Bodywork Movem Ther (2015)Dec1
- +Morley,S. Process and change in cognitive behaviour therapy for chronic pain
Pain 109 (2004)204 - 5
- +Morley,S. Efficacy and effectiveness of cognitive behaviour therapy for chronic pain: progress and some challenges
Pain 152 (2011)S99 – S106
- +Morley,S. Ecclestone,C., Williams,A.
Systematic review and meta-analysis of randomized controlled trials of cognitive behaviour therapy and behaviour therapy for chronic pain in adults, excluding headache
Pain 80 (1999)1 – 13
- +Morley,S. Keefe,F.J.
Editorial: getting a handle on process and change in CBT for chronic pain
Pain 127 (2007)197 – 8
- +Morley,S. Williams,A,C.de C.
Well, I wouldn't start from there (Commentary)
Pain 156 (2015)986 - 7
- +Morley,S. Williams,A., Eccleston,C.
Examining the evidence about psychological treatments for chronic pain: time for a paradigm shift?
Pain 154 (2013)1929 - 31
- +Morley,S. Williams,A., Hussain,S.

- Estimating the clinical effectiveness of cognitiv-behavioral therapy in the clinic: Evaluation of a CBT informed pain management programme
- Pain 137 (2008)670 - 80
- +Morley-Forster,P.K. Clark,A.J., Speechley,M., Moulin,D.E.
- Attitudes toward opioid use for chronic pain: a Canadian physician survey
- Pain Res Manage 8 (2003)189 – 94
- Morone,N.E. Greco,C.M., Weiner,D.K.
- Mindfulness meditation for the treatment of chronic low back pain in older adults: A randomized controlled pilot study
- Pain 134 (2008)310 – 9
- Morris,J. Taylor,C.R., Baker,P., Watson,P.J.,
- Sickness certification for low nback pain
- Poster 415
15. Weltkongress IASP in Buenos Aires, 2014
- Morris,J.M. Benner,G., Lucas,D.B.
- An electromyographic studyof the intrinsic muscles of the back in man
- J Anat (London) 96 (1962)509 – 20 (zit. Callaghan & Dunk, 2002)
- Morris,J.M. et al. Role of trunk stability of the spine
- J Bone Joint Surg Am 43 (1961)327 – 51 (zit. Oleske et al., 2007)
- +Morris,T. Hee,S.W., Stallard,N., Underwood,M., Patel,S.
- Can we convert between outcome measures od disability for chronic low back pain?
- Spine 40 (2015)734 - 9
- Morronej,M. et al. In vivo leptin expression in cartilage and bone cells of growing rats and and adult humans
- J Anat 205 (2004)291 – 6 (zit. Gruber et al., 2007b)

- Morso,L. Olsen Rose,K., Schiottz-Christensen,B., Sowden,G.,
Sondergaard,J., Christiansen,D.H.
- Effectiveness of stratified treatment for back pain in Danish
primary care: a randomized controlled trial
- Eur J Pain 25 (2021)2020-38 doi.org/10.1002/ejp.1818
- +Mortimer,M. Ahlberg,G.
- To seek or not to seek? Care-seeking behaviour among
people with low back pain
- Scand J Pulic Health 31 (2003)194 – 203
- +Mortimer,M. Pernold,G., Wiktorin,C.
- Low back pain in a general population. Natural course and
influence of physical exercise – a 5 – year follow-up of the
Musculoskeletal Intervention Center – Nörrtälje Study
- Spine 31 (2006)3045 – 51
- +Morton,D.L. Watson,A., El-Deredy,W., Jones,A.K.P.
- Reproducibility od placebo analgesia: effect of dispositional
optimism
- Pain 146 (2009)194 - 8
- +Morton,V. Torgerson,D.J.
- Effect of regression to the mean on decision making in health
care
- Br Med J 326 (2003)1083 – 4
- +Mosconi,T. Kruger,L.
- Fixed-diameter polyethylene cuffs applied to the rat sciatic
nerve induce a painful neuropathy: ultrastructural
morphometric analysis of axonal alterations
- Pain 64 (1996)37 – 57
- (+)Moscowitz,D. Schueneman,G.
- Is osteopathic manipulative treatment more effective for low
back pain then standard allopathic care?
- Evidence Based Pract 21 (2018)4: E1 doi:
10.1097/01.EBP.0000542052.50458.e4

- +Moskowitz,M.H. Pharmacotherapy neuropathic low back pain
Curr Pain Headache Rep 7 (2003)178 – 87
- +Moseley,G.L. Evidence for a direct relationship between cognitive and physical change during an education intervention in people with chronic low back pain
Eur J Pain 8 (2004)39 - 45
- +Moseley,G.L. I can't find it! Distorted body image and tactile dysfunction in patients with chronic back pain
Pain 140 (2008)239 - 43.
- +Moseley,G.L. Innovative treatments for back pain
Pain 158 (2017)Suppl.1: S2 – S 10
- +Moseley,G.L. Flor,H.
Targeting cortical reorganisation in the treatment of chronic pain: a review
Neurorehabil Neural Repair 26 (2012)646 - 52
- +Moseley,G.L. Hodges,P.W.
Are the changes in postural control associated with low back pain caused by pain interference?
Clin J Pain 21 (2005)323 – 9
- +Moseley ,G.L. Hodges,P.W.
Reduced variability of postural strategy prevents normalisation of motor changes induced by back pain: a risk factor for chronic trouble?
Behav Neurosci 120 (2006)474 – 6
- +Moseley,G.L. Hodges,P.W., Gandevia,S.C.
Deep and superficial fibers of the lumbar multifidus muscle are differentially active during voluntary arm movements
Spine 27 (2002)E 29 – 36
- Moseley,G.L. et al. Fear of low back pain delays postural activation of transverses abdominis in healthy subjects
Presented at 7th International Physiotherapy Congress, 2002, Sydney, Australia (zit. Moseley & Hodges, 2005)

- +Moseley,G.L. Nicholas,M.K., Hodges
- Pain differs from non-.painful attention-demanding or stressfull tasks in its effect on postural controll patterns of trunk muscles
- Exp Brain Res 156 (2004)64 – 71
- +Moseley,G.L. Nicholas,M.K., Hodges,P.W,
- Does anticipation of back pain predispose to back trouble?
- Brain 127 (2004a)2339 – 47
- +Moseley,G.L. Vlaeyen,J.W.S.
- Beyond nociception: thr imprecision hypothesis of chronic pain
- Pain 156 (2015)35 - 8
- Moseley,G.L. Zalucki,N.M., Wiech,K.
- Tactile discrimination, but not tactile stimulation alone, reduces chronic limb pain
- Pain 137 (2008a)600 – 8
doi.org/10.1016/j.pain.2007.10.021
- +Moseley,L. Combined physiotherapy and education is efficacious for chronic low back pain
- Aust J Physiother 48 (2002)297 – 302
- +Moser,M. Okano,I., Albertini Sanchez,L., Salzmänn,S.N., Carlson,B.B., Amini,D.A., Oezel,L., Chiapparelli,E. und weitere 6 Autoren
- Preoperative association between quantitative lumbar muscle parameters and spinal sagitta alignment in lumbar fusion patients
- Spine 47 (2022)1675 – 86
doi.org/10.1097/00000000000004410
- +Moses,R.A. Zhao,W., Staub,L.P., Melloh,M., Barz,T., Lurie,J.D.
- Is the sedimentation sign associated with spinal stenosis surgical treatment effect in SPORT?
- Spine 40 (2015)129 - 36
- +Mosley,G.E. Hoy,R.C., Nasser,P., Kaseta,T., Lai,A., Evashwick-Rogler, Lee,M., Iatridis,J.C.

- Sex differences in rat intervertebral disc structure and function following annular puncture injury
Spine 44 (2019)1357 - 69
- +Moss,A. Beggs,S., Vega-Avelaira,D., Costigan,M., Hathway,G.J., Salter,M.W., Fitzgerald,M.
Spinal microglia and neuropathic pain in young rats
Pain 128 (2008)215 - 224
- Moss-Morris,R. Humphrey,K., Johnson,M.A., Petrie,K.J.
Patient's perceptions of their pain condition across a multidisciplinary pain management program: do they change and if so does it matter?
Clin J Pain 23 (2007)558 – 64
- +Mosser,D.M. Edwards,J.P.
Exploring the full spectrum of macrophages activation
Nat Rev Immunol 8 (2008)958 – 69
- +Mosshammer,D. Mayer,B., Joos,S.
Local anesthetics injection therapy for musculoskeletal disorders
Clin J Pain 29 (2013)540 - 50
- +Moulin,D.E. Opioid analgesics in the management of neuropathic pain
Eur J Pain Suppl 1 (2007)57 - 60
- +Moulin,D.E. Iezzi,A., Amireh,R., Sharpe,W.K., Boyd,D., Merskey,H.
Randomized trial of morphine for chronic non-cancer pain
Lancet 347 (1996)143 – 7
- +Moulton,E.A. Elman,I., Pendse,G.,Schmahmann,J.D., Becerra,L., Borsook,D.
Aversion related circuitry in the cerebellum responses to noxious heat and unpleasant images
J Neurosci 31 (2011)3795 – 804
- +Moulton,E.A. Schmahmann,J.D., Becerra,L., Borsook,D.
The cerebellum and pain: passive integrator or active participator?

- Brain Res Rev 65 (2010)14 – 27
- (+)Mourad,F. Dunning,J., Zingoni,A., Iorio,R., Butts,R., Zacharko,N., Fernandez-de-las-Penas,C.
- Unilateral and multiple cavitation sounds during lumbosacral spinal manipulation
- J Manipul Physiol Ther 42 (2019)12 – 22
doi.org/10.1016/j.jmpt.2018.08.002
- +Mouraux,A. Djukova,A., Lee,M.C., Wise,R.G., Ianetti,G.D.
- A multisensory investigation of the functional significance of the “pain-matrix”
- Neuroimage 54 (2011)2237 – 49
- +Mousa,S.A. Bopaiah,C.P., Stein,C., Schäfer,M.
- Involvement of corticotropin-releasing hormone receptor subtypes 1 and 2 in peripheral opioid-mediated inhibition of inflammatory pain
- Pain 106 (2003)297 – 307
- +Moy,J.K. Hartung,J.E., Duque,M.G., Friedman,R., Nagarajan,V., Loeza-Alcocer,E., Koerber,H.R., Christoph,T., Schröder,W., Gold,M.S.
- Distribution of functional opioid receptors in human dorsal root ganglion neurons
- Spine 161 (2020)1636 - 49
- Moyo,P. Merlin,J.S., George,M., Shirman,P.T., Marshall,B.D.L.
- Association of opioid use disorder diagnosis with use of physical therapy and chiropractic care among chronic low back pain patients: a group based trajectory analysis
- J Pain 25 (2024)3: 742 – 54
doi.org/10.1016/j.jpain.2023.10.003
- +Mroz,T.E. McGirt,M., Chapman,J.R., Anderson,G., Fehlings,M.
- More “why” and less “how”. Is value-based spine care the next breakthrough?
- Spine 39 (2014)22S. S7 – S8
- +Mroz,T.E. Norvell,D.C., Ecker,E., Gruenberg,M., Dailey,A., Brodke,D.S.

- Fusion versus nonoperative management for chronic low back pain. Do sociodemographic factors affect outcome?
Spine 36 (2011)21 Suppl: S 75 - 86
- Mu,J. Furlan,A.D., Lam,W.Y., Hsu,M.Y., Ning,Z., Lao,L.
Acupuncture for chronic nonspecific low back pain.
The Cochran database of systemic reviews 12 (2020)
CD013581 doi.org/10.1002/14651858.cd013814
- +Mucha,C. Physikalische Therapieformen beiSchmerzsyndromen der Wirbelsäule
Erfahrungsheilkunde 50 (2001)144 - 53
- +Mucha,C. Plantare Druckverteilung bei Patienten mit lumbalem Wurzelkompressionssyndrom
Erfahrungsheilkunde 57 (2008)357 – 9
- +Mucha,C. Physikalische Maßnahmen in der Schmerztherapie des Bewegungsapparates
Erfahrungsheilkunde 59 (2010)130 - 7
- +Mücher,J. Der Rücken aus Sicht der chinesischen Medizin
Komplement Integr Med 48 (2007)5: 28 - 34
- +Muckle,D.S. Flurbiprofen for the treatment of soft tissue trauma
Am J Med 80 (1986)76 – 80
- +Muehlbacher,M. Nickel,M.K., Kettler,C., Tritt,K., Lahmann,C., Leiberich,P.K., Nickel,C., Krawczyk,J., Mitterlehner,F.O., Rother,W.K., Loew,T.H., Kaplan,P.
Topiramate in treatment of patients with chronic low back pain
Clin J Pain 22 (2006)526 – 31
- +Müller,E.J. Russe,O.J., Muhr,G
Osteomyelitis der Wirbelsäule
Orthopäde 33 (2004)305 – 15
- +Mueller,G. Morlock,M.M., Vollmer,M., Honi,M., Hille,E., Schneider,E.

- Intramuscular pressure in the erector spinae and intra-abdominal pressure related to posture and load
Spine 23 (1998)2580 – 90
- +Müller,G. Zur Evaluation von Funktionsstörungen an der Wirbelsäule. Strukturdiagnostik versus Funktionsdiagnostik
Manuelle Med 37 (1999)18 - 25
- +Müller,G. Diagnostik des Rückenschmerzes. Wo liegen die Probleme?
Schmerz 15 (2001)435 - 41
- +Müller,G. Pfinder,M., Lyssenko,L., Giurgiu,M., Clement,M., Kaiserauer,A., Heinzl-Gutenbrunner,M., Bös,K., Kohlmann,T.
Welche Bedeutung haben physische Leistungssteigerungen, Alter, Geschlecht und Trainingsumfang für die Wirksamkeit eines Rückentrainings?
Schmerz 33 (2019)139 - 46
- (+)Mueller,J. Niederer,D.
Dose-response relationship of stabilisation exercises in patients with chronic non-specific low back pain: a systematic review with meta-regression
Sci Reports 10 (2020)16921 doi.org/10.1038/s41598-020-73954-9
- +Müller,K. Kreuzfeldt,A., Schwesig,R., Müller-Pfeil,J., Bandemer-Greulich,U., Schreiber,B., Bahrke,U., Fikentscher
Hypermobilität und chronischer Rückenschmerz
Orthop Prax 38 (2002)716 – 21
Manuelle Med 41 (2003)105 - 9
- +Müller,R. Differenzialtherapie lumbaler Rückenschmerzen: manualtherapeutische Gesichtspunkte in der Hausarztpraxis
Manuelle Med 45 (2007)167 – 9
- +Müller,R. Behandlungskonzept lumbaler Rückenschmerzen in der Hausarztpraxis
Manuelle Med 47 (2009)183 - 9
- +Müller,R. Wie last sich die Chronifizierung lumbaler Rückenschmerzen vermeiden?

- Manuelle Med 48 (2010)260 - 6
- Müller,R. Gertz,K.J., Molton,I.R., Terril,A.L., Bombardier,C.H., Ehde,D.M., Jensen,M.P.
- Effects of a tailored positive psychology intervention on wellbeing and pain in individuals with chronic pain and a physical disability: a feasibility trial
- Clin J Pain 32 (2016a)32 – 44
doi.org/10.1097/AJP.0000000000000225
- +Müller,S. Grunwald,M.
- Haptische Wahrnehmungsleistungen. Effekte bei erfahrenen und unerfahrenen Physiotherapeuten
- Manuelle Med 51 (2013)473 - 8
- +Mueller,S. Mueller,J., Stoll,J., Prieske,O., Cassel,M., Mayer,F.
- Incidence of back pain in adolescent athletes: a prospective study
- BMC Sports Sci Med Rehab 8 (2016)38
- +Müller,S. Stoll,P., Müller,P., Cassel,M., Mayer,F.
- Die Aktivität der Rumpfmuskulatur im Drop Jump bei Nachwuchsathleten abhängig von Rückenschmerzen
- Poster 173, Sitzung KU-11, 12.9.2015, Deutscher Kongress für Sportmedizin
- Dt Z Sportmed 66 (2015)217
- Müller,W. Stratz,T.
- Local treatment of tendinopathies and myofascial pain syndromes with the 5-HT3 receptor antagonist tropisetron
- Scand J Rheumatol Suppl 119 (2004)44 – 8 (zit. Christidis et al., 2007)
- +Müller-Ehrenberg,H. Rückenschmerz und myofasziale Triggerpunkte
- Zschr Komplementärmed 1 (2009)2: 12 - 6
- Müller-Ehrenberg,H. Fleckenstein,J.
- Nutzen der extrakorporalen Stoßwelle bei Rückenschmerzen

- Schmerzmedizin 39 (2022)1: 43 – 5 doi.org/10.1007/s00940-022-4085-x
- +Müller-Faßender,H. Müller,J., Bach,G.
Wirksamkeit und Verträglichkeit eines Weidenrindenpräparates bei Erkrankungen des Bewegungsapparates – Ein Erfahrungsbericht
Arthritis rheuma 27 (2007)267 - 71
- Müller-Gerbl,M. Die Rolle der Wirbelgelenke für die Kinematik der Bewegungssegmente
Ann Anat 174 (1992)48 – 53 (zit. Putz, 2005)
- +Müller-Schrader,M. Heinzle,J., Müller,A., Lanz,C., Häussler,O., Sutter,M, Eggspüler,A., Mare,S. und weitere 8 Autoren
Individual treatment expectations predict clinical outcome after lumbar injections against low back pain
Pain 164 (2023)132 – 141
doi.org/01.1097/j.pain.0000000000002674
- +Müller-Schwefe,G.H.H. Überall,M.
Chronische Rückenschmerzen: Linderung durch muskeltonusnormalisierende Schmerzmittel
MMW-Fortschr Med 149 (2007a)43: 47
- +Müller-Schwefe,G.H.H. Überall,M.
Analgetische und muskeltonusnormalisierende Wirkung von Flupirtin retard bei chronischen Rückenschmerzen
MMW-Fortschr Med 149 (2007b)153 - 61
- Müller-Wohlfahrt,H.W. Haensel,L., Mithöfer,K., Eckstrand,J., English,B., McNally,S., Orchard,J. ..., Uebliacker,P. und weitere 6 Autoren
Terminology and classification of muscle injuries in sport: the Munich consensus statement
B J Sports Med 47 (2013)342 – 50
doi.org/10.1136/bjsports-2012-091448
- +Müller-Wohlfahrt,H.W. Torka,S., Müller-Wohlfahrt,K.
Update: Muskelverletzungen nach 45 Jahren Profisport-Betreuung.Diagnostik und Therapie von neurogenen Muskelverhärtungen, Muskelfaser- und Muskelbündelrissen.

Thieme Verlag, Stuttgart, New York, 2021

+Muhsen,A.

Moss,P., Gibson,W., Walker,B., Jaques,A., Schug,S., Wright,A.

The association between conditioned pain modulation and manipulation-induced analgesia in people with lateral epicondylalgia

Clin J Pain 35 (2019)435 - 442

+Muller,R.

Giles,L.G.

Long-term follow-up of a randomized clinical trial assessing the efficacy of medication, acupuncture and spinal manipulation for chronic mechanical spinal pain syndromes

J Manipulative Physiol Ther 28 (2005)3 – 11

+Mullican,W.S.

Lacy,J.R.

Tramadol/Acetaminophen combination tablets and codeine/acetaminophen combination capsules for the management of chronic pain: a comparative trial

Clin Ther 23 (2001)1429 - 45

+Mullin,W.

de Rosayro,M.

Caudal steroid injection for treatment of piriformis syndrome

Anesth Analg 71 (1990)705 – 7

Mumenthaler,M.

Schliack,H., Stöhr,M. (Hrsg.)

Läsionen peripherer Nerven und radikuläre Syndrome

Thieme, Stuttgart,1998, S. 418

+Mun,C.J.

Karoly,P., Okun,M.A.

Effects of daily pain intensity, positive affect, and individual differences in pain acceptance on work goal interference and progress

Pain 156 (2015)2276 - 85

+Mun,C.J.

Letzen,J.E., Peters,E.N., Campbell,C.M., Vandrey,R., Gajewski-Nemes,J., DiRenzo,D., Caulfield-Noll,C., Finan,P.H.

Cannabinoid effects on responses to quantitative sensory testing among individuals with and without clinical pain: a systematic review

- Pain 161 (2020)244 - 60
- +Mun,C.J. Otis,J.D., Concato,J., Reid,M.C., Burg,M.M., Czapinski,R., Kerns,R.D.
- Further examination of the Pain Stages of Change Questionnaire among chronic low back pain patients. Long-term predictive validity of pretreatment and posttreatment change scores and stability of posttreatment scores
- Clin J Pain 35 (2019)744 -52
- +Munck,A. Guyre,P.M., Holbrook,N.J.
- Physiological functions of glucocorticoids in stress and their relation to pharmacological actions
- Endocrin Rev 5 (1984)25 – 44
- +Mundy,G. Garrett,R., Harris,S., Chan,J., Chen,D., Rossini,G., Boyce,G., Zhao,M., Gutierrez,G.
- Stimulation of bone formation in vitro and in rodents by statins
- Science 286 (1999)1946 – 9
- +Mungrue,I.N. Bredt,D.S., Stewart,D.J., Husain,M.
- From molecules to mammals: what's NOS got to do with it?
- Acta Physiol Scand 179 (2003)123 – 35
- +Munir,S. Freidin,M.B., Rade,M., Määtä,J., Livshits,G., Williams,F.M.K.
- Endplate defect is heritable, associated with low back pain and triggers intervertebral disc degeneration. A longitudinal study from TwinsUK
- Spine 43 (2018)1496 - 1501
- +Munns,J.J. An,H.S., Espinoza Oriaz,A.A., Andersson,G.B.J., Takatori,R., Inoue,N.
- Ligamentum flavum hypertrophy related to disc degeneration
- Proceedings of the 25th annual meeting of the North American Spine Society, Orlando, FL, 2010
- Spine J 10 (2010)9S: 76S
- +Munro,S. Thomas,K.L., Abu-Shar,M.

- Molecular characterisation of a peripheral receptor for cannabinoids
Nature 365 (1993)61 – 5
- +Murakami,E. Tanaka,Y., Aizawa,T., Ishizuka,M., Kokubun,S.
Effect of periarticular and intraarticular lidocaine injections for sacroiliacal joint pain: prospective comparative study
J Orthop Sci 12 (2007)274 – 80
- +Murakami,H. Yoon,T., Attalah-Wasif,E., Tsai,K.-J., Fei,Q, Hutton,W.C.
The expression of anabolic cytokines in intervertebral discs in age-related degeneration
Spine 31 (2006)1770 – 4
- Murakami,Y. Akahoshi,T., Hayashi,I., Endo,H., Hashimoto,A., Kono,S., Kondo,H., Inoue,M., Kitasato,H.
Inhibition of monosodium urate monohydrate crystal-induced acute inflammation by retrovirally transfected prostaglandin D synthase
Arthritis Rheum 48 (2003)2931 – 41 (zit. Ebersberger et al., 2011)
- +Murase,S. Terazawa,E., Queme,F., Ota,H., Matsuda,T., Hirate,K., Kozaki,Y., Katanosaka,K., Taguchi,T., Urai,H., Mizumura,K.,
Bradykinin and nerve growth factor play pivotal roles in muscular mechanical hyperalgesia after exercise (delayed-onset muscle soreness)
J Neurosci 30 (2010)3752 – 61
- +Murase,S. Terazawa,E., Hirate,K., Yamanaka,H., Kanda,H., Noguchi,K., Ota,H., Queme,F., Taguchi,T., Mizumura,K.,
Upregulated glial cell line-derived neurotrophic factor through cyclooxygenase-2 activation in the muscle is required for mechanical hyperalgesia after exercise in rats
J Physiol 591 (2013)3035 – 48
- +Murata,Y. Kato,Y., Miyamoto,K., Takahashi,K.
Clinical study of low back pain and radicular pain pathways by using L2 spinal nerve infiltration
Spine 34 (2009)2008 - 13

- +Murata,Y. Nannmark,U., Rydevik,B., Takahashi,K., Olmarker,K.
Nucleus pulposus-induced apoptosis in dorsal root ganglion following experimental disc herniation in rats
Spine 31 (2006)382 – 90
- +Murata,Y. Nannmark,U., Rydevik,B., Takahashi,K., Olmarker,K.
The role of tumor necrosis factor alpha in apoptosis of dorsal root ganglion cells induced by herniated nucleus pulposus in rats
Spine 33 (2008)155 - 62
- +Murata,Y. Onda,A., Rydevik,B., Takahashi,K., Olmarker,K.
Distribution and appearance of tumor necrosis factor alpha in the dorsal root ganglion exposed to experimental disc herniation in rats
Spine 29 (2004a)2235 - 41
- +Murata,Y. Onda,A., Rydevik,B., Takahashi,K., Olmarker,K.
Selective inhibition of tumor necrosis factor alpha prevents nucleus pulposus-induced histological changes in the dorsal root ganglion
Spine 29 (2004b)2477 -84
- +Murata,Y. Rydevik,B., nannmark,U., Larsson,K., Takahashi,K., Kato,Y., Olmarker,K.
Local application of interleukin-6 to the dorsal root ganglion induces tumor necrosis factor – alpha in the dorsal root ganglion and results in apoptosis of the dorsal root ganglion cells
Spine 36 (2011)926 - 32
- +Murata,Y. Rydevik,B., Takahashi,K., Takahashi,I., Olmarker,K.
Macrophage appearance in the epineurium and endoneurium of dorsal root ganglion exposed to nucleus pulposus
J Peripher Nerv Syst 9 (2004)158 – 64
- +Murata,Y. Takahashi,K., Ohtori,S., Moriya,H.
Innervation of the sacroiliac joint in rats by calcitonin gene-related peptide immunoreactive nerve fibers and dorsal root ganglion

- Clin Anat 20 (2007)82 – 8
- +Muriuki,M. Havey,R.M., Voronov,L.I., Carandang,G., Lomasney,L., Patwandhan,A.G., Hines Jr.,E.
- Pfrrmann grade as a predictor of range of motion, angular stiffness and relative size of high-flexibility zone in the lumbar spine
- Proceedings of the 29th annual meeting of the North American Spine Society
- Spine J 14 (2014)11S: 17S
- +Murphy,A.Y.M.T. van Teijlingen,E.R., Gobbi,M.O.
- Inconsistent grading of evidence across countries: a review of low back pain guidelines
- J Manipulative Physiol Ther 29 (2006)576 – 81
- +Murphy,D. Lindsay,S., Williams,A.C.
- Chronic low back pain: predictions of pain and relationship to anxiety and avoidance
- Behav Res Ther 35 (1997)231 - 8
- +Murphy,J.L. Clark,M.E., Banou,E.
- Opioid cessation and multidimensional outcomes after interdisciplinary chronic pain treatment
- Clin J Pain 29 (2013)109 - 17
- Murphy,K. Curry,E.J., Matzkin,E.G.
- Barefoot running: Does it prevent injuries?
- Sports Med 43 (2013)1131 - 8
- +Murphy,P.G. Ramer,M.S., Borthwick,L., Gauldie,J., Richardson,P.M., Bisby,M.A.
- Endogenous interleukin-6 contributes to hypersensitivity to cutaneous stimuli and changes in neuropeptides associated with chronic nerve constriction in mice
- Eur J Neurosci 11 (1999)2243 - 53
- +Murphy,S.E. Blake,C., Power,C.K., Fullen,B.M.

- Comparison of a stratified group intervention (StarT Back) with usual group care in patients with low back pain: a nonrandomized controlled trial
- Spine 41 (2016)645 - 52
- +Murphy,S.L: Overactivity in daily life: a crucial step in understanding how to tailor treatments (commentary)
- Pain 156 (2015)1831 - 2
- +Murphy,S. Buckle,P., Stubbs,D.
- Classroom posture and self-reported back and neck pain in schoolchildren
- Appl Ergonomics 35 (2004)113 – 20
- +Murray,C.J.L. Ezzati,M., Flaxman,A.D., Lim,S., Lozano,R., Michaud,C., Naghavi,M., Salomon,J.A., Shibuya,K., Vos,T., Lopez,A.D.
- GBD 2010: a multi-investigator collaboration for global comparative descriptive epidemiology
- Lancet 380 (2012)2055 – 8
- +Murray,C.J.L. Vos,T., Lozano,R., Naghavi,M., Flaxman,A.D., Michaud,C., Ezzati,M., Shibuya,K. und weitere 363 Autoren
- Disability-adjusted life years (DALYs) for diseases and injuries in 21 regions, 1990 – 2010: a systematic analysis for the Global Burden of Disease Study 2010
- Lancet 380 (2012a)2197 - 2223
- (+)Murray,K.J. Molyneux,T., Le Grande,M.R., Mendez,C., Fuss,F.K., Azari,M.F.
- Association of mild leg length discrepancy and degenerative changes in the hip joint and lumbar spine
- J Manipul Physiol Ther 40 (2017)320 – 9 (Internetzugriff 1.11.2017)
- +Murrie,V.L. Dixon,A.R., Hollingworth,W., Wilson,H., Doyle,T.A.C.
- Lumbar lordosis: study of patients with and without low back pain
- Clin Anat 16 (2003)144 – 7
- +Murthy,B.R. Pollack,G.M., Brouwer,K.L.

- Contribution of morphine – 6 – glucuronide to antinociception following intravenous administration of morphine to healthy volunteers
- J Clin Pharmacol 42 (2002)569 – 76
- +Murthy,V. Sibbritt,D.W., Adams,J.
- An integrative review of complementary and alternative medicine use for back pain: a focus on prevalence reasonsfor use, influential factors, self-perceived effectiveness, and communication
- Spine J 15 (2015)1870 - 84
- +Muschik,M., Zippel,H., Perka,C.
- Surgical management of severe spondylolisthesis in children and adolescents: anterior fusion in situ versus anterior spondylololodesis with posterior transpedicular instrumentation and reduction
- Spine 22 (1997)2036 – 43
- +Musial,F. Tao,I., Dobos,G.
- Ist die analgetische Wirkung der Akupunktur ein Placeboeffekt?
- Schmerz 23 (2009)341 – 6
- +Mustard,C.A. Kalcevich,C., Frank,J.W., Boyle,M.
- Childhood and early adult predictors of risk of incident back pain: Ontario Child Health Study 2001 follow-up
- Am J Epidemiol 162 (2005)779 – 86
- +Muthukumar,N. Dural ossification in ossification of the ligamentum flavum. A preliminary report
- Spine 34 (2009)2654 – 61
- +Muthuri,S.G. Kuh,D., Cooper,R.
- Longitudinal profiles of back pain across adulthood and their relationship with childhood factors: evidence from the 1946 British birth cohort
- Pain 159 (2018)764 - 74
- +Muto,S. Muto,T., Seo,A., Yoshida,T., Taoda,K., Watanabe,M.

- Prevalence of and risk factors for low back pain among staffs in schools for physically and mentally handicaped children
- Ind Health 44 (2006)123 – 7
- +Mwale,F. Gawri,R., Antoniou,J., Ouellet,J., Awwad,W., Steffen,T., Roughley,P., Haglund,L.
- Potential of link-N to stimulate repair in the degenerate human intervertebral discs
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;
- Spine J 13 (2013) Suppl 9S: 57S
- +Mwale,F. Roughley,P., Antoniou,J.
- Distinction between the extracellular matrix of the nucleus pulposus and hyaline cartilage: a requisite for tissue engeneering of intravertebral discs
- Eur Cell Mater 8 (2004)58 – 64
- +Mychaskiw,M.A. Thomas,J.
- Direct costs of back pain in the United States: an national estimate
- Value Health 5 (2002a)508 – 9
- +Mychaskiw,M.A. Thomas,J.
- Indirect costs due to back pain in the United States
- Value Health 5 (2002b)136
- +Myers,A.M. Holliday,P.J., Harvey,K.A., Hutchinson,K.S.
- Functional performance measures: Are they superior to self assessments?
- J Geront 48 (1993)M196 - 206
- +Myers,R.R. Powell,H.C., Costello,M.L., Lampert,P.W., Zweifach,B.W.
- Endoneurial fluid pressure: Direct measurements with micropipettes
- Brain Res 148 (1978)510 – 5
- Myers,R.R. et al. Hyperalgesic actions of cytokines on peripheral nerves

- In: Watkins,S.R., Maier,R.R. (eds): Cytokines and Pain,
Switzerland, 1999, p. 133 – 57 (so zit. Ito et al., 2007)
- +Myers,S.S. Phillips,R.S., Davis,R.B., Cherkin,D.C., Legedza,A.,
Kaptchuk,T.J., Hrbek,A., Buring,J.E., Post,D., Connelly,M.T.,
Eisenberg,D.M.
- Patient expectations as predictors of outcome in patients
with acute low back pain
- J Gen Intern Med 23 (2008)148 - 53
- +Myhre,K. Marchand,G.H., Leivseth,G., Keller,A., Bautz-Holter,E.,
Sandvik,L., Lau,B., Roe,C.
- The effect of work-focused rehabilitation among patients
with neck and back pain
- Spine 39 (2014)1999 - 2006
- +Nachemson,A. The influence of spinal movements on the intervertebral disk
pressure and on the tensile stresses in the anulus fibrosus
- Acta Orthop Scand 33 (1963)183 – 207
- +Nachemson,A. The effect of forward leaning on lumbar intradiscal pressure
- Acta Orthop Scand 35 (1965)314 – 28
- +Nachemson,A. The load on lumbar disks in different positions of the body
- Clin Orthop 45 (1966)107 – 22
- +Nachemson,A. Electromyographic studies on the vertebral portion of the
psoas muscle; with special reference to its stabilising function
of the lumbar spine
- Acta Orthop Scand 2 (1966)177 – 90
- +Nachemson,A. The possible importance of the psoas muscle for stabilisation
of the lumbar spine
- Acta Orthop Scand 39 (1968)47 – 57
- +Nachemson,A.L. Disc pressure measurements
- Spine 6 (1981)93 – 7
- +Nachemson,A.L. Newest knowledge of the low back pain: a critical look
- Clin Orthop 279 (1992)8 – 20
- +Nachemson,A.L. Andersson,G.B.

Classification of low-back pain

Scand J Work Environ Health 8 (1982)134 – 6

+Nachemson,A.

Elfstrom,G.

Intravital dynamic pressure measurements in lumbar disks. A study of common movements, maneuvers and exercises

Scand J Rehabil Med (1970)Suppl 1: 1 – 40

+Nachemson,A.L.

Evans,J.H.

Some mechanical properties of the third human lumbar interlaminar ligament (ligamentum flavum)

J Biomech 1 (1968)211 – 20

+Nachemson,A.

Jonsson,E.

Neck and back pain: the scientific evidence of causes, diagnosis and treatment

Philadelphia, Lippincot, Williams &Wilkins, 2000, (Biblioth.)

+Nachemson,A.

LaRocca,H.

Editorial: Spine 1987

Spine 12 (1987)427 - 9

+Nachemson,A.

Lewin,T., Maroudas,A., Freeman,M.A.R.

In vitro diffusion of dye through the end-plates and the annulus fibrosus of human lumbar inter-vertebral discs

Acta Orthop Scand 41 (1970)589 – 607

+Nachemson,A.

Lindh,M.

Measurement of abdominal and back muscle strength with and without back pain

Scand J Rehabil Med 1 (1969)60 – 5

+Nachemson,A.

Morris,J.M.

In vivo measurements of intradiscal pressure. Discometry, a method for the determination of pressure in the lower lumbar discs.

J Bone Joint Surg Am 46 (1964)1077 – 92

Nachemson,A.

Vingard,E.

	Assessment of patients with neck and back pain: a best evidence synthesis
	In: Nachemson,A., Jonsson,E. (eds.): Neck and back pain: the scientific evidence of causes, diagnosis and treatment. Lippincot, Williams & Wilkins, Philadelphia, 2000, pp. 189 – 235 (zit. Gerwin et al., 2005)
Nachemson,A.	Waddell,G., Norlund,A.
	Epidemiology of neck and low back pain
	In: Nachemson,A., Jonsson,E. (eds.): Neck and back pain: the scientific evidence of causes, diagnosis and treatment. Lippincot, Williams & Wilkins, Philadelphia, 2000,pp. 165 – 87 (zit. Hazard, 2013)
-Nackley,A.G. et al. –n-	Catechol-O-methyltransferase modulates pain behavior and cytokine production via beta-2/3-adrenergic receptor mechanisms
	Soc Neurosci 393 (2006) 14 (zit. Diatchenko et al., 2006a)
+Nackley,A.G.	Tan,K.S., Fecho,K., Flood,P., Diatchenko,L., Maixner,W.
	Catechol-O-methyltransferase inhibition increases pain sensitivity through activation of both beta-2- and beta-3-adrenergic receptors
	Pain 128 (2007)199 - 208
Nadeau,M.	Rosas-Arellano,M.P., Gurr,K.R. et al.,
	The reliability of differentiating neurogenic claudicatio from vascular claudication based on symptomatic presentation
	Can J Surg 56 (2013)372 – 7 (zit. Vining et al., 2019)
+Nadler,S.F.	Steiner,D.J., Erasala,G.N., Hengehold,D.A., Hinkle,R.T., Goodale,M.B., Abeln,S.B., Weingand,K.W.
	Continuous low-level heatwrap therapy provides more efficacy than ibuprofen and acetaminophen for acute low back pain
	Spine 27 (2002)1012 – 7
+Nadler,S.F.	Steiner,D.J., Erasala,G.N., Hengehold,D.A., Hinkle,R.T., Goodale,M.B., Abeln,S.B., Weingand,K.W.
	Continuous low-level heatwrap therapy for treating non-specific acute low back pain

- Arch Phys Med Rehab 84 (2003)329 – 34
- +Nadler,S.F. Steiner,D.J., Petty,S.R., Erasala,G.N., Hengehold,D.A., Weingand,K.W.
- Overnight use of continuous low-level heatwrap therapy for relief of low back pain
- Arch Phys Med Rehab 84 (2003)335 – 42
- +Nadler,S.F. Wu,K.D., Galski,T., Feinberg,J.H.,
- Low back pain in college athletes
- Spine 23 (1998)828 – 33
- +Nagano,M. Sakai,A., Takahashi,N., Umino,M., Yoshioka,K., Suzuki,H.
- Decreased expression of glial cell line-derived neurotrophic factor signaling in rat models of neuropathic pain
- Br J Pharmacol 140 (2003)1252 – 60
- +Nagaosa,Y Kikuchi,S., Hasue,M., Sato,S.
- Pathoanatomic mechanisms of degenerative spondylolisthesis
- Spine 23 (1998)1447 – 51
- +Nagase,H. Activation mechanisms of matrix-metalloproteinases
- Biol Chem 378 (1997)151 – 60
- Nagashima,Y. Kitamura,K., Watanabe,Y., Kabasewa,K., Takahashi,A., Saito,T., Kobayashi,R., Oshiki,R. und 5 weitere Autoren
- Chronic pain in the lower extremities and low back pain is associated with recurrent falls in community-dwelling Japanes people aged 40 – 74 years
- Arch Phys Med Rehab (2023)
doi.org/10.1016/j.apmr.2023.09.021
- Nagasu,M. Sakai,K., Ito,A. et al.
- Prevalence and risk factors for low back pain among professional cooks working in school lunch service
- BMC Public Health 7 (2007)171
- +Nagata,K. Dimar,J.R., Smith,N.S., Puno,R.M., Glassman,S.D., Djurasovic,M., Carreon,L.Y.

- Clinical and radiographic outcomes of repair of spondylolytic spondylolisthesis through direct pars repair
- Spine 49 (2024)1235 – 40
doi.org/10.1097/BRS.0000000000004886
- +Nagel,B. Multimodale Therapie: Wie soll sie aussehen?
- Schmerz 21 (2007)Suppl., 20 - 1
- +Nagel,B. Weniger Schmerz durch gute Funktion – „functional restoration“
- Manuelle Med 60 (2022)72 – 7 doi.org/10.1007/s00337-022-00864-4
- +Nagel,B. Gerbershagen,H.U., Lindena,G., Pfingsten,M.
- Entwicklung und empirische Überprüfung des Deutschen Schmerzfragebogens der DGSS
- Schmerz 16 (2002)263 – 70
- +Nagel,B. Korb,J.
- Multimodale Therapie des Rückenschmerzes. Nachhaltig wirksam und kosteneffektiv
- Orthopäde 38 (2009)907 – 12
- +Nagel,B. Pfingsten,M., Brinkschmidt,T., Casser,H.R., Gralow,I., Irnich,D., Klimczyk,K., Sabatowski,R., Schiltewolf,M., Sittl,R., Söllner,W., Arnold,B.,
- Struktur- und Prozessqualität multimodaler Schmerztherapie. Ergebnisse einer Befragung von schmerztherapeutischen Einrichtungen
- Schmerz 26 (2012)661 - 9
- +Nagel,M. Kommentar des Verbands Osteopathie Schule Deutschland (VOSD)
- Osteopath Med 11 (2010)1: 27
- Nagy,J.L. Hunt,S.P.
- Fluorid-resistant acid phosphatase-containing neurons in dorsal root ganglia are separate from those containing substance P or somatostatines
- Neurosci 7 (1982)89 – 97 (so zit. Stanton et al., 2007)

+Nahit,E.S.

Hunt,I.M., Lunt,M., Dunn,G., Silman,A.J., Macfarlane,G.J.

Effects of psychological and individual psychological factors on the onset of musculoskeletal pain: common and side-specific effects

Ann Rheum Dis 62 (2003)755 – 60

+Nahman-Averbuch,H.

Martucci,K.T., Granovsky,Y., Weissman-Engel,I., Yarnitzky,D.,
Coghill,R.C.

Distinct brain mechanisms support spatial versus temporal filtering of nociceptive information

Pain 155 (2014)2491 - 501

+Nahman-Averbruch,H.

Piche,M., Bannister,K., Coghill,R.C.

Involvement of pruriospinal processes in conditioned pain modulation

Pain 165 (2024)1907 – 13

doi.org/10.1097/j.pain.0000000000003217

+Nahman-Averbuch,H.

Sprecher, E., Jacob, G., Yarnitzky, D.

The relationships between parasympathetic function and pain perception: the role of anxiety

Pain Pract 16 (2016a)1064 - 72

+Nahman-Averbuch,H.

Yarnitsky,D., Sprecher,E., Granovsky,Y., Granot,M.

Relationship between personality traits and endogenous analgesia: The role of harm avoidance

Pain Pract 16 (2016)38 - 45

+Nahra,H.

Plaghki, L.

Modulation of perception and neurophysiological correlates of brief CO2 laser stimuli in humans using concurrent large fiber stimulation

Somatosens Mot Res 20 (2003)139–47

+Naik,A.K.

Tandan,S.K., Kumar,D., Dudhgaonkar,S.P.

Nitric oxid and its modulators in chronic constricton injury-induced neuropathic pain in rats

Eur J Pharmacol 530 (2006)59 -69

- +Naja,Z. Al-Tannier,M., El-Rajab,M., Ziade,F., Daher,Y., Khatib,H., Tayara,K.
The effectiveness of clonidine-bupivacaine repeated nerve stimulation-guided injection in piriformis syndrome
Clin J Pain 25 (2009)199 – 205
- +Najm,W.I. Seffinger,M.A., Mishra,S.I., Dickerson,V.M., Adams,A., Reinsch,S., Murphy,L.S., Goodman,A.F.
Content validity of manual spinal palpatory exams – a systematic review
BMC Complement Altern Med 3 (2003)1
- +Naka,A. Gruber-Schoffnegger,D., Sandkühler,J.
Non-Hebbian plasticity at C-fiber synapses in rat spinal cord lamina 1
Pain 154 (2013)1333 - 42
- +Nakagawa,T. Sugiyama,T., Shimizu,K., Murata,T., Narita,M., Nakamura,S., Tagawa,T.
Characterisation of the development of ectopic chondroid/bone matrix and chondrogenic/osteogenic cells during osteoinduction by rhBMP-2: A histochemical and ultrastructural study
Oral Dis 9 (2003)255 – 63
- +Nakajima,K. Obata,H., Iriuchijima,N., Saito,S.
An increase in spinal cord noradrenaline is a major contributor to the antihyperalgesic effect of antidepressants after peripheral nerve injury in the rat
Pain 153 (2012)990 – 7
- +Nakajima,M. Kizawa,H., Saitoh,M., Kou,I., Miyazono,K., Ikegawa,S.
Mechanisms for asporin function and regulation in articular cartilage
J Biol Chem 282 (2007)32185 – 92
- +Nakamae,T. Yamada,K., Shimbo,T., Kanazawa,T., Okuda,T., Takata,H., Hashimoto,T., Hiramatsu,T., Tanaka,N., Ochi,M., Olmker,K., Fujimoto,Y.

- Bone marrow edema and low back pain in elderly degenerative lumbar scoliosis
- Spine 41 (2016)885 - 92
- +Nakamura, S. Takahashi,K., Morinaga,T., Shimara,Y., Moriya,H.
- Origin of nerves supplying the posterior portion of lumbar intervertebral discs in rats
- Spine 21 (1996)917 – 24
- +Nakamura,S. Myers,R.R.
- Myelinated afferents sprout into lamina II of L3 – 5 dorsal horn following chronic constriction nerve injury in rats
- Brain Res 818 (1999)285 – 90
- Nakamura,S. Myers,R.R.
- Injury to dorsal root ganglia alters innervation of spinal cord dorsal horn lamina involved in nociception
- Spine 25 (2000)537 – 42 (zit. Watanabe et al., 2007)
- +Nakamura,S. Takahashi,K., Takahashi,Y., Yamagata,M., Moriya,H.
- The afferent pathways of discogenic low-back pain. Evaluation of L2 spinal nerve infiltration
- J Bone Joint Surg Br 78 (1996)606 – 12
- +Nakanishi,K. Tanaka,M., Misawa,H., Takigawa,T., Ozaki,T.
- Midterm results of prostaglandin E1 treatment in patients with lumbar spinal canal stenosis accompanied by intermittent claudication
- Spine 33 (2008)1465 - 9
- +Nakatani,T. Marui,T., Hitora,T., Doita,M., Nishida,K., Kurosaka,M.
- Mechanical stretching force promotes collagen synthesis by cultured cells from human ligamentum flavum via transforming growth factor-beta 1
- J Orthop Res 20 (2002)1380 – 6
- +Nakaya,Y. Kaneko,T., Shigemoto,R., Nakanishi,S., Mizuno,N.
- Immunohistochemical localisation of substance P receptor in the central nervous system of the adult rat

- J Comp Neurol 347 (1994)249 – 74
- +Nakayama,A.Y. Harms,M.B., Luo,L.,
Small GTPases Rac and Rho in the maintenance of dendritic
spines and branches in hippocampal pyramidal neurons
J Neurosci 20 (2000)5329 – 38
- Nakazawa,K. Liu,M., Inoue,K., Ohno,Y.
pH dependence of facilitation by neurotransmitters and
divalent cations of P2X2 purinoceptors/channels
Eur J Pharmacol 337 (1997)309 – 14 (zit Maruo et al., 2006)
- +Nakazawa,K.R. Walter,B.A., Laudier,D.M., Krishnamoorthy,D., Mosley,G.E.,
Spiller,K.L., Iatridis,J.C.
Accumulation and localisation of macrophage phenotypes
with human intervertebral disc degeneration
Spine J 18 (2018)343 - 56
- +Naliboff, B.D. Wu,S.M., Schieffer,B., Bolus,R.,Pham,Q., Baria,A., Aragaki,D.,
van Vort,W., Davis,F., Shekelle,P.
A randomized trial of 2 prescription strategies for opioid
treatment of chronic nonmalignant pain
J Pain 12 (2011)288 - 96
- +Namer,B. Hilliges,M., Örstavik,K., Schmidt,R., Weidner,C., Torebjörk,E.,
Handwerker,H., Schmelz,M.
Endothelin 1 activates and sensitizes human C-nociceptors
Pain 137 (2008)41 - 9
- Namnaqani,F.L. Mashabi,A.S., Yaseen,K.M., Alshehri,M.A.
The effectiveness of the McKenzie method compared to
manual therapy for treating chronic low back pain: a
systematic review
J Musculoskelet Neuronal Interact 19 (2019)492 (zit. Beyer et
al., 2022)
- +Napadow,V. Kettner,N., Liu,J., Kwong,K.K., Vangel,M., Makris,N.,
Audette,J., Hui,K.K.S.
Hypothalamus and amygdala response to acupuncture stimuli
in carpal tunnel syndrome

- Pain 130 (2007)254 – 66
- +Naqvi,S.M. Buckley,C.T.
- Bone marrow stem cells in response to intervertebral disc-like matrix acidity and oxygen concentration. Implications for cell-based regenerative therapy
- Spine 41 (2016)743 - 50
- Narciso Garcia,A. siehe Garcia,A.N:
- Nardo,L. Alizai,H., Virayavanich,W., Liu,F., Hernandez,A., Lynch,J.A., Nevitt,M.C., McCullochC.E. und weitere 2 Autoren
- Lumbosacral transitional vertebrae: association with low back pain
- Radiology 265 (2012)497 – 503
doi.org/10.1148/radiol.12112747
- +Naresh-Babu,J. Neelima,G., Begum,S.R., Siva-Leela,V.
- Diffusion characteristics of human annulus fibrosus – a study documenting the dependence of annulus fibrosus on end plate for diffusion
- Spine J 16 (2016)1007 - 14
- +Narumiya,S. Sugimoto,Y., Ushikubi,F.
- Prostanoid receptor: structures, properties and functions
- Physiol Rev 79 (1999)1193 – 226
- Nash,T.P. Facet joints – intra-articular steroids or nerve block?
- Pain Clinic 3 (1990)77 – 82 (zit. Cohen et al., 2007)
- +Nassar,M.A. Stirling,L.C., Forlani,G., Baker,M.D., Matthews,E.A., Dickenson,A.H., Wood,J.N.
- Nociceptor-specific gene deletion reveals a major role for Nav1.7 (PN1) in acute and inflammatory pain
- Proc Natl Acad Sci USA 101 (2004)12706 – 11
- +Nasser,A. Moller,A.T., Hellmund,V., Thorborg,S.S., Jespersgaard,C., Bjerrum,O.J., Dupont,E., nachman,G., Lykkesfeldt,J., Jensen,T.S., Moller,L.B.
- Heterozygous mutations in GTP-cyclohydroxylase-1 reduce BH4 biosynthesis but not pain sensitivity

- Pain 159 (2018)1012 - 24
- +Nasto,L.A. Ngo,K., Leme,A.S., Robinson,A.R., Dong,Q., Roughley,P., Usas,A., Sowa,G.A., Pola,E., Kang,J., Niedernhofer,L.J., Shapiro,S., Vo,N.V.
- Investigating the role of DNA damage in tobacco smoking-induced spine degeneration
- Spine J 14 (2014)416 - 23
- +Nasto,L.A. Seo,H.Y., Robinson,A.R., Tilstra,J.S., Clauson,C.L., Sowa,G.A., Ngo,K., Dong,Q. Und weitere 6 Autoren
- ISSLS prize winner: Inhibition of NK-kappa B activity ameliorates age-associated disc degeneration in a mouse model of accelerated aging
- Spine 37 (2012)1819 - 25
- +Nasto,L.A. Wang,D., Robinson,A.R., Clauson,C.L., Ngo,K., Dong,Q., Roughley,P., Epperly,M. und weitere 7 Autoren
- Genotoxic stress accelerates age-associated degenerative changes in intervertebral discs
- Mech Aging Dev 134 (2013)35 – 42
- +Natarajan,R.N. Lavender,S.A., An,H.A., Andersson,G.B.J.
- Biomechanical response of a lumbar intervertebral disc to manual lifting activities: A poroelastic finite element model study
- Spine 33 (2008)1958 - 65
- +Nath,S. Nath,S.A., Pettersson,K.
- Percutaneous lumbar zygoapophyseal (facet) joint neurotomy using radiofrequency current, in the management of chronic low back pain: a randomized double-blind trial
- Spine 33 (2008)1291 – 7
- +Nathan,H. Osteophytes in the vertebral column. An anatomical study of their development according to age, race and sex with considerations as to their etiology and significance
- J Bone Joint Surg Am 44 (1962)243 – 68
- +Nation,K.M. de Felice,M., Hernandez,P.I., Dodick,D.W., Neugebauer,V., Navratilova,E., Porreca,F.

	Lateralized kappa opioid receptor signaling from the amygdala central nucleus promotes stress-induced functional pain Pain 159 (2018)919 - 28
National Collaborating Center	siehe NCC
National Health Committee	siehe NHC
+Natwig,B.	Nessioy,I., Bruunsgaard,D, Rutle,O. Musculoskeletal symptoms in a local community Eur J Gen Practice 1 (1995)25 - 8
+Nau,C.	Seaver,M., Wang,S.Y., Wang,G.K. Block of human heart hH1 sodium channels by amitryptiline J Pharmacol Exp Ther 292 (2000)1015 – 23
+Naughton,F.	Ashworth,P., Skevington,S.M. Does sleep quality predict pain-related disability in chronic pain patients? The mediating roles of depression and pain severity Pain 127 (2007)243 – 252
+Naugle,K.M.	Ohlman,T., Naugle,K:, Riley,Z.A., Keith,N.R. Physical activity behaviour predicts endogenous pain modulation in older adults Pain 158 (2017)383 - 90
+Naveilhan,P.	ElShamy,W.M., Ernfors,P. Differential regulation of mRNAs for GDNF and its receptors Rct and GDNFR alpha after sciatic nerve lesion in the mouse Eur J Neurosci 9 (1997)1450 – 60
+Navratilova,E.	Ji,G., Phelps,C., Qu,C., Hein,M., Yakhnitsa,V., Neugebauer,V., Porreca,F. Kappa opioid signaling in the central nucleus of the amygdala promotes disinhibition and aversiveness of chronic neuropathic pain Pain 160 (2019)824 - 32

- +Nazlikul,H. Thorakale Blockaden und Wirkung der Neuraltherapie in Kombination mit manueller Therapie
Manuelle Med 48 (2010)329 – 38
- +Nazlikul,H. Neurovegetativum, Blockaden und manuelle Medizin
Manuelle Med 48 (2010a)435 - 9
- +Nazlikul,H. Die segmentale vertebrale Dysfunktion ist ein multikausales Geschehen
Manuelle Med 52 (2014)432 - 6
- NBPN The Norwegian Back Pain Network. Acute low back pain: interdisciplinary clinical guidelines.
Oslo,UK (???), The Norwegian Back Pain Network, 2002 (so zit. Dagenais et al., 2010)
- +NCC National Collaborating Center for Primary Care: Low back pain. Early management of persistent non-specific low back pain NCE Clinical Guideline 88: London, National Institute for Health and Clinical Excellence, 2009
<http://www.nice.org.uk/nicemedia/pdf/CD88NICEGuideline.pdf>
- +Ndengele,M.M. Cuzzocrea,S., Esposito,E., Mazzon,E., di Paola,R., Matuschak,G.M., Salvemini,D.
Cyclooxygenases 1 and 2 contribute to peroxynitrite-mediated inflammatory pain hypersensitivity
FASEB J 22 (2008)3154 – 64
- +Nebel,R. Einfluss von Zahnveränderungen auf die Körperhaltung. Effekt der Orientierung im äußeren Raum
Manuelle Med 52 (2014)390 - 401
- +Neblett,R. Hartzell,M.M., Williams,M., Bevers,K.R., Mayer,T.G., Gatchel,R.J.
Use of the Central Sensitisation Inventory (CSI) as a treatment outcome measure for patients with chronic spinal pain disorder in a functional restoration program
Spine J 17 (2017)1819 - 29
- +Neblett,R. Mayer,T.G., Brede,E., Gatchel,R.J.

- Correcting abnormal flexion-relaxation in chronic lumbar pain: responsiveness to a new biofeedback training protocol
Clin J Pain 26 (2010)403 - 9
- Nedeljkovic,S.S.M. Assessment of efficacy of long-term opioid therapy in pain patients with an abuse potential
Clin J Pain 18 (2002)S 39 – 51 (zit. Hojsted & Sjogren, 2007)
- (-)Nee,R.J. Coppeters,M.W., Boyd,B.S.
Reliability of the straight leg raise test for suspected lumbar radicular pain: A systematic review with meta-analysis
Musculoskel Sci Pract 59 (2022)102529
doi.org/10.1016/j.msksp.2022.102529
- +Neelapala,Y.V.R. Bhagat,M., Frey-Law,L.
Conditioned pain modulation in chronic low back pain. A systematic review of literature
Clin J Pain 36 (2020)135 -41
- +Nees,F. Becker,S., Millenet,S., Banaschewski,T., Poustka,L., Bokde,A., Bromberg,U., Büchel,C. und weitere 15 Autoren
Brain substrates of reward processing and the mu-opioid receptor: a pathway into pain?
Pain 158 (2017)212 - 9
- +Nees,T.A. Schiltenswolf,M.
Pharmakotherapie bei Arthroseschmerzen
Schmerz 33 (2019)30 - 48
- Nef,W. Gerber,N.J.
Hypermotilitätssyndrom. Wenn zu viel Beweglichkeit Schmerzen auslöst
Schweiz Med Wochenschr 128 (1998)302 – 10 (zit. Müller et al., 2002)
- +Negrini,S. Fusco,C., Atanasio,S., Romano,M., Zaina,F.
Low back pain: state of the art
Eur J Pain Suppl.2 (2008)52 - 6

+Negrini,S.	Giovannoni,S., Minozzi,S., Barneschi,G., Bonaiuti,D., Bussotti,A., D'Arienzo,M., di Lorenzo,N. und weitere 6 Autoren Diagnostic therapeutic flow-charts for low back pain patients: the Italian clinical guidelines Eura Medicophys 42 (2006)151 – 70
+Negus,S.S.	Neddenriep,B., Altarifi,A.A., Carroll,F.I., Leidl,M.D., Miller,L.L. Effects of ketoprofen, morphine, and kappa opioids on pain-related depression of nesting in mice Pain 156 (2015)1153 - 60
+Neidlinger-Wilke,C.	Boldt,A., Brochhausen,C., Galbusera,F., Carstens,C., Copf,F., Schultheiss,M., Lazary,A., Brayda-Bruno,M., Ignatius,A., Wilke,H.J. Molecular interactions between human cartilaginous endplates and nucleus pulposus cells. A preliminary investigation Spine 39 (2014)1355 - 64
+Neidlinger-Wilke,C.	Liedert,A., Wuertz,K., Buser,Z., Rinkler,C., Käfer,W., Ignatius,A., Claes,L., Roberts,S., Johnson,E.B. Mechanical stimulation alters pleiotrophin and aggrecan expression by human intervertebral disc cells and influences their capacity to stimulate endothelial migration Spine 34 (2009)663 - 9
+Neil,A.	Attal.,N., Guilbaud,G. Effects of guanethidine on sensitization to natural stimuli and self-mutilating behaviour in rats with a peripheral neuropathy Brain Res 565 (1991)237 – 46
Nelemans,P.J. et al.	Injection therapy for subacute and chronic benign low back pain Cochrane Database Syst Rev 2005, CD001824 (zit. AMK, 2007)
+Nelson,B.	O'Reilly,E., Miller,M., Hogan,M. Wegner,J., Kelly,C.

+Nelson,C.D.

McMillin,D.L., Richards,D.G., Mein,E.A., Redwood,D.

J Manipulat Physiol Ther 23 (2000)202 - 7

Schatzberg,A.F., Goldstein,D.J. et al.

+Nemoto,O.

Eur Spine J (2012) aug 26, DOI 10.1007/s00586-012-2488-4

Kozak,D., Sotocinal,S.G., Tansley,S., Bannister,K., Mogil,J.S.

+Nerlich, A.G.

+Nerlich,A.G.

Eur Spine J 16 (2007)547 - 55

- +Nerlich,A.G. Schleicher,E., Boos,N.
1997 Volvo Award winner in basic science studies:
Immunohistologic markers for age-related changes of human
lumbar intervertebral discs
Spine 22 (1997)2781 – 95
- +Nerlich,A.G. Weiler,C., Zipperer,J., Narozny,M., Boos,N.
Immunolocalisation of phagocytic cells in normal and
degenerated intervertebral discs
Spine 27 (2002)2482 – 90
- Nestler,E. Under siege: the brain on opiates
Neuron 16 (1996)897 – 900 (zit Ballantyne & Sullivan, 2017)
- +Neubauer,E. Junge,A., Pirron,P., Seemann,H, Schiltewolf,M
HKF-R10 – screening for predicting chronicity in acute low
back pain (LBP): a prospective clinical trial
Eur J Pain 10 (2006)559 – 66
- +Neubauer,E. Pirron,P., Junge,A., Seemann,H., Schiltewolf,M.
Welche Fragen sind geeignet, ein Chronifizierungsrisiko von
akuten Rückenschmerzen vorherzusagen? Eine prospektive
klinische Studie
Z Orthop 143 (2005)299 - 301
- Neugebauer,V. Subcortical processing of nociceptive information: basal
ganglia and amygdala
2006: 141 – 58 (so zit. Neugebauer, 2007)
- Neugebauer,V. The amygdala: Different pains, different mechanisms
Pain 127 (2007)1 – 2
- Neugebauer,V. – n - Amygdala pain mechanisms
Handb Exp Pharmacol 227 (2015)261 – 84 (zit. Copits et al.,
2016)
- +Neugebauer,V. Antenucci,N.
Perineural nets in the brain: new vistas in pain mechanisms
Pain 166 (2015)967 -9
doi.org/10.1097/j.pain.0000000000003564

- Neugebauer,V. Kiritoshi,T
- Corticolimbic plasticity in pain: hippocampus joins the party - commentary
- Pain 165 (2024)965 – 7
doi.org/10.1097/j.pain.0000000000003101
- Neugebauer,V. Li,W.
- Differential sensitization of amygdala neurons to afferent inputs in a model of arthritic pain
- J Neurophysiol 89 (2003)716 – 29 (zit. Neugebauer, 2007)
- +Neugebauer,V. Li,W., Bird,G., Bhawe,G., Gereau,R.W.
- Synaptic plasticity in the amygdala in a model of arthritic pain: differential roles of metabotropic glutamate receptors 1 and 5
- J Neurosci 23 (2003)52 – 63
- +Neugebauer,V. Li,W., Bird,G.C., Han,J.S.
- The amygdala and persistent pain
- Neuroscientist 10 (2004)221 – 34
- +Neuhäuser,H. Ellert,U., Ziese,T.
- Chronische Rückenschmerzen in Deutschland 2002/2003: Prävalenz und besonders betroffene Bevölkerungsgruppen
- Gesundheitswesen 67 (2005)685 - 93
- +Neuhuber,W. M.longissimus als Vermittler zwischen kraniozervikalem Übergang und Becken
- Man Med 43 (2005)395 – 9
- +Neuhuber,W. Zenker,W.
- Central distribution of cervical primary efferents in the rat with emphasis on proprioceptive projections to vestibular, perihypoglossal, and upper thoracic spinal nuclei
- J Comp Neurol 280 (1989)231 – 53
- Neumann,H.D. Manuelle Medizin. Eine Einführung in Theorie, Diagnostik und Therapie
- 5., überarbeitete und ergänzte Auflage, Springer, 1999

- +Neumann,H.D. Die Anfänge der Osteopathie in Deutschland
Manuelle Med 51 (2013)295 - 6
- Neumann,G. Zur Begriffsbestimmung neuromuskulärer Dysbalancen
In: Zichner,L., Engelhardt,M., Freiwald,J. (Hrsg.): Nürnberg,
Novartis, 2000
- +Neumann,N. Domin,M., Lotze,M.

Gray matter volume of limbic brain structures during the
development of chronic back pain: a longitudinal cohort study

Pain 166 (2017)438 – 47
doi.org/10.1097/j.pain.0000000000003351
- +Neumann,P Keller,T., Ekstrom,L., Hult,E., Hansson,T.

Structural properties of the anterior longitudinal ligament:
correlation with lumbar bone mineral content

Spine 18 (1993)637 – 45
- Neumann,U. Schmerz – Gesundheitsökonomische Bedeutung aus Sicht der
Kostenträger

Bundesgesundheitsbl Gesundheitsforsch Gesundheitssch 45
(2002)451 - 4
- +Neuwersch-Sommeregger,S. Köstenberger,M., Pipam,W., Breschan,C., Stettner,H.,
Demschar,S., Trumer,B., Likar,R.

Elektrische Muskelstimulation in Kombination mit Wärme bei
Patienten mit chronischen unspezifischen Rückenschmerzen.
Eine randomisierte, stratifizierte, doppelblinde,
placebokontrollierte klinische Studie

Schmerz 34 (2020)65 - 73
- Newcomer,K.L. Laskowski,E.R., Yu,B. et al.

Differences in repositioning error in patients with low back
pain compared with control subjects

Spine 25 (2000)2488 – 93 (zit. van Dieen et al., 2010)
- Newcomer,K.L. Laskowski,E.R., Yu,B. et al.

Differences in repositioning error in patients with low back
pain. Comparing trunk reposition error in subjects with
chronic low back pain and control subjects

- Spine 25 (2000a)245 – 50 (zit. van Dieen et al., 2010)
- +Newcomer,K.L. Vickers Douglas,K.S., Shelerud,R.A., Long,K.H., Crawford,B.
Is a videotape to change beliefs and behaviours superior to a standard videotape in acute low back pain? A randomized controlled trial
Spine J 8 (2008)940 – 7
- +Newell,D., Bolton,J.E.
Responsiveness of the Bournemouth Questionnaire in determining minimal clinical important change in subgroups of low back pain
Spine 35 (2010)1801 - 6
- +Newell,D. Field,J., Pollard,D.
Using the STarT Back Tool: Does timing of stratification matter?
Man Ther 20 (2015)533 - 9
- +Newell,N. Carpanen,D., Evans,J.H., Pearcy,M.J., Masouros,S.D.
Mechanical function of the nucleus pulposus of the intervertebral disc under hig rates of loading
Spine 44 (2019)1035 - 41
- +Newiger,C. Osteopathie als zusätzliche Leistung gesetzlicher Krankenkassen
Osteopath Med 15 (2014)2: 17 - 25
- Newman,P. Stone,K.
The etiology of spondylolisthesis
J Bone Joint Surg Br 45 (1963)39 – 53 (zit. Jacobsen et al., 2007)
- +Newton-John,T.R. Spence,S.H., Schotte,D.
Cognitive-behavioural therapy versus EMG-biofeedback in the treatment of chronic low back pain
Behav Res Ther 33 (1995)691 – 7
- +Ney,J.P. Difazio,M., Sichard,A., Monacci,W., Foster,L., Jabbari,B.

- Treatment of chronic low back pain with successive injections of botulinum toxin A over 6 month
- Clin J Pain 22 (2006)363 -9
- (+)Neyaz,O. Sumila,L., Nanda,S., Wadhwa,S.
- Effectiveness of Hatha yoga versus conventional therapeutic exercises for chronic nonspecific low-back pain
- J Altern Complem Ther (2019) online 26.7.2019, doi.org/10.1089/acm.2019.0140
- +Neziri,A.Y. Curatolo,M., Limacher,A., Nüesch,E., Radanov,B., Andersen,O.K., Arendt-Nielsen,L.; Jüni,P.
- Ranking of parameters of pain hypersensitivity according to their discriminative ability in chronic low back pain
- Pain 153 (2012a)2083 - 91
- +Neziri,A.Y. Dickenmann;M., Scaramozzino,P., Andersen,O.K., Arendt-Nielsen,L., Dickenson,A.H., Curatolo,M.
- Effect of intravenous tropisetron on modulation of pain and cenral hypersensitivity in chronic low back pain patients
- Pain 153 (2012)311 – 8
- +Neziri,A.Y. Limacher,A., Jüni,P., Andersen,O.K., Arendt-Nielsen,L., Curatolo,M.
- Conditioned pain modulation in patients with low back and neck pain
- Eur J Pain 5 (2011)Suppl 203 - 4
- +Ng,J.Y. Liang,L., Gagliardi,A.R.
- The quatity and quality of complementary and alternative medicine clinical practice guidelines on herbal medicines, acupuncture and spinal manipulation: systemic review and assessment using AGREE II
- BMC Complement Alternat Med 16 (2016)425
- (-)Ng,J.Y. Anagal,M., Bhowmik,T.
- Low back pains patients’ perceived effectiveness of utilizing complementary and alternative medecine: a systematic review of qualitative studies

- J Complement Alternat Med (2021) 25.9. prepress
doi.org/10.1515/jcim-2021-0071
- Ng,L. Caneiro,J.P., Campbell,A., Smith,A., Burnett,A., O’Sullivan,P.

Cognitive functional approach to manage low back pain in male adolescent rowers: a randomized controlled trial

Br J Sports Med 49 (2015)1125 – 31
- +Ng,S.K. Urquhart,D., Fitzgerald,P.B., Cicuttini,F.M., Hussain,S.M., Fitzgibbon,B.M.

The relationship between structural and functional brain changes and altered emotion and cognition in chronic low back pain brain changes. A systematic review of MRI and fMRI studies

Clin J Pain 34 (2018)237 - 61
- +Ngo,K. Pohl,P., Wang,D., Leeme,A.S., Lee,J., Di,P., Roughley,P., Robbins,P.D., Niedernhofer,L.J., Sowa,G., Kang,J.D., Shapiro,S.S., Vo,N.V.

ADAMTS-5 deficiency protects mice from chronic tobacco smoking-induced intervertebral disc degeneration

Spine 42 (2017)1521 - 8
- +Nguyen,C. Beutren,I., Baron,G., Sanchez,K., Palazzo,C., Benchimel,R., Paris,G., James-Belin,E. und weitere 10 Autoren

Intradiscal glucocorticoid injection for patients with chronic low back pain associated with active discopathy. A randomized trial

Ann Intern Med 166 (2017)547 - 56
- +Nguyen.T. Behrens,M., Broscheid,K., Bieltzki,R., Rohkohl,K., Rudolph,I., Meiler,K., Franke,J., Schega,L.

Effects of a multimodal intervention (MultiMove) during inpatient rehabilitation on clinical and functional outcomes in chronic low back pain patients – a pilot trial

Sports, Medicine and Health Summit, Hamburg, 2023, Abstract 67, OP-12-003

Dt Z Sportmed 74 (2023)4: 111

+Nguyen,T.	Kramer,J., Vallejo,R., Stanton,G., Heidenreich,B.A., Benyamin,R., Vogel,L.A. Citalopram enhances B cell numbers in a murine model of morphine-induced immunosuppression Pain Practice 9 (2009)195 – 205
NHC	National Health Committee. National Advisory Committee on Health and Disability, Accident rehabilitation and Compensation Insurance Cooperation, New Zealand Acute low back pain guide Wellington, New Zealand, 2004
NICE	National Institute for Health and Clinical Excellence (NICE). Low back pain: early management of persistent non- specific low back pain London,U.K., National Institute for Health and Clinical Excellence, 2009, Report No NICE clinical guidelines 88 (zit. Dagenais et al., 2010)
Nice,D.A.	Riddle,D.L., Lamb,R.P., Mayhew,T.P., Rucker,K. Intertester reliability of judgements of the presence of trigger points in patients with low back pain Arch Phys Med Rehabil 73 (1992)893 – 8 (zit. Huguenin, 2004)
+Nicholas,M.	Vlaeyen,J.W.S., Rief,W., BarkeA., Aziz,Q., Benoliel,R., Cohen,M., Evers,S. und weitere 7 Autoren The IASP classification of chronic pain for ICD-11: chronic primary pain Pain 160 (2019)26 - 37
Nicholas,M.K.	Self-efficacy and chronic pain. In: Paper presented at the annual conference of the British Psychological Society, St. Andrews, Scotland, 1989 (zit. Nicholas, 2007)
+Nicholas,M.K.	Mental disorders in people with chronic pain: a international perspective (editorial) Pain 129 (2007)231 - 2

- +Nicholas,M.K. First things first: reductions in catastrophising before fear of movement (commentary)
Pain 145 (2009)6 – 7
- +Nicholas,M.K. Obstacles to recovery after an episode of low back pain: the “usual suspects” are not always guilty (commentary)
Pain 148 (2010)363 - 4
- +Nicholas,M.K. Time vs mechanism in chronic pain
Pain 163 (2022)1649 – 50
doi.org/10.1097/j.jpain.0000000000002584
- +Nicholas,M.K. The biopsychosocial model of pain 40 years on: time for a reappraisal?
Pain 163 (2022a)suppl 1: S 3 – S 14
doi.org/10.1097/j.jpain.000000000000265
- +Nicholas,M.K. Wilson,P.H., Goyen,J.
Operant-behavioural and cognitive-behavioural treatment for chronic low back pain
Behav Res Ther 29 (1991)225 – 38
- +Nicholas,M.K. Wilson,P.H., Goyen,J.
Comparison of cognitive-behavioural group treatment and an alternative non-psychological treatment for chronic low back pain
Pain 48 (1992)339 – 47
- Nicholas,M.K. The pain self-efficacy questionnaire: Taking pain into account
Eur J Pain 11 (2007)153 - 63
- Nicholas,M.K. Asghari,A.
Investigating acceptance in adjustment to chronic pain: Is acceptance broader than we thought?
Pain 124 (2006)269 - 79
- Nicholas,M.K. et al. Using opioids with persisting noncancer pain: a biopsychosocial perspective
Clin J Pain 22 (2006)137 – 46

- +Nichols,M.L.: Allen,B.J., Rogers,S.D., Ghilardi,J.R., Honore,P., Luger,N.M., Finke,M.W., Li,J., Lappi,D.A., Simone,D.A., Mantyh,P.W.
Transmission of chronic nociception by spinal neurons expressing the substance P receptor
Science 278 (1997)275 – 9
- +Nichols,P.J. Short-leg syndrome
Br Med J 8 (1960)1863 – 5
- +Nicholson,B. Benefits of extended-release opioid analgesic formulations in the treatment of chronic pain
Pain Practice 9 (2009)71 - 81
- Nickel,M. Nickel,C., Mitterlehner,F.O., Tritt,K., Lahmann,C., Leiberich,P.K., Rother,W.K., Loew,T.H.
Treatment of aggression in female borderline personality disorder patients: a double-blind, placebo controlled study
J Clin Psychiatry 65 (2004)1515 – 9
- Nickel,R. Egle,U.T.
Therapie somatoformer Schmerzstörungen. Manual zur psychodynamisch-interaktionellen Gruppentherapie
Schattauer; Stuttgart, New York, 1999 (zit. Bach & Simhandl, 2020)
- +Nickel,R. Egle,U.T.
Schmerz und psychische Komorbidität - Psychische Komorbidität und Rückenschmerzen
Abstracts Deutscher Schmerzkongress 2003
Schmerz 17 (2003) Suppl.1: S 36
- +Nickel,R. Egle,U.T.
Diagnose und Differentialdiagnose somatoformer Schmerzen – Aus Sicht der Therapieforschung
Abstracts Deutscher Schmerzkongress 2008
Schmerz 22 (2008)Suppl 2: 101
- +Nickel,R. Egle,U.T., Hardt,J.

- Are childhood adversities relevant in patients with chronic low back pain?
- Eur J Pain 6 (2002)221 - 8
- +Nickel,R. Hardt,J., Kappis,B., Schwab,R., Egle,U.T.
- Somatoforme Störungen mit Leitsymptom Schmerz.
Ergebnisse zur Differenzierung einer häufigen Krankheitsgruppe
- Schmerz 23 (2009)392 – 8
- +Nickel,R. Raspe,H.H.
- Chronischer Schmerz: Epidemiologie und Inanspruchnahme
- Nervenarzt 72 (2001)897 – 906
- Niddam,D.M. Chan,R.C., Lee,S.H., Yeh,T.C., Hsieh,J.C.
- Central modulation of pain evoked from myofascial trigger point
- Clin J Pain 23 (2007)440 – 8
- +Niddam,D.M. Wang,S.J., Tsai,S.Y.
- Pain sensitivity and the primary sensorimotor cortices: a multimodal neuroimaging study
- Pain 162 (2021) 846 – 55
doi.org/10.1097/j.pain.0000000000002074
- +Niederberger,E. Baron,R., Sommer,C., Maihöfner,C.
- Neues aus dem Forschungsverbund Neuropathischer Schmerz
- Schmerz 26 (2012)Suppl1: 5 - 6
- +Niederer,D. Engel,T., Pfeifer,A.C., Arampatzis,A., Beck,H., Wippert,P.M., Schiltenswolf,M., Mayer,F.
- Which functional outcomes can be measured in low back pain trials and therapies? A prospective 2-year factor-, cluster-, and reliability-multicenter analysis on 42 variables in 1049 individuals
- Spine 46 (2021)1495 – 1508
doi.org/10.1097/BRS.00000000000004028
- +Niederer,D. Mueller,J.

- Sustainability effects of motor control stabilisation exercises on pain and function in chronic nonspecific low back pain patients: A systematic review with meta-analysis and meta-regression
- PLoS ONE 15 (2020)e0227423
doi.org/10.1371/journal.pone.0227423
- +Niederer,D. Pfeifer,A.C., Engel,T., Block,A., Schäfer,R., Floessel,P., Beck,H., Platen,P., Schiltewolf,M., Schneider,C., Wippert,P.M., Vogt,L., Mayer,F.
- Dose-response relationship and effect modifier of stabilisation exercises in nonspecific low back pain: a project-wide individual patient data re-analysis on 1483 intervention participants
- Pain 164 (2023)1087 – 95
doi.org/10.1097/j.pain.0000000000002801
- +Niederer,D. Schiller,J., Groneberg,D.A., Behringer,M., Wolfarth,B., Gabry,L.
- Machine learning-based identification of determinants for rehabilitation success and future healthcare use prevention in patients with high-grade, chronic, nonspecific low back pain: an individual data 7-year follow-up analysis on 154,167 individuals
- Pain 165 (2024)772 – 84
doi.org/10.1097/j.pain.0000000000003087
- +Nielens,H. Plaghki,L.
- Evaluation of physical adaptation to exercise of chronic pain patients by step-test procedure
- Pain Clinic 4 (1991)21 – 5
- +Nielens,H. Plaghki,L.
- Perception of pain and exertion during exercise on a cycle ergometer in chronic pain patients
- Clin J Pain 10 (1994)204 – 9
- +Nielens,H. Plaghki,L.
- Cardiorespiratory fitness, physical activity level, and chronic pain: are men more affected then women?
- Clin J Pain 17 (2001)129 – 37

- Nielsen,H. van Zundert,J., Mairiaux,P. et al.
Chronic low back pain. Good Clinical practice (GCP)
Brussels, Belgium: Belgian Health Care Knowledge Centre (KCE). 2006, Report No.: 48 C (D/2006/10.273/71) (zit. Dagenais et al., 2010)
- +Nielsen,C.S. Knutsen,G.B., Steingrimsdottir,O.A.
Twin studies of pain
Clin Genet 82 (2012)331 – 40
- Nielsen,C.S. Staud,R., Price,D.D.
Individual differences in pain sensitivity: measurements, causation, and consequences
J Pain 10 (2009a)231 – 7
doi.org/10.1016/j.jpain.2008.09.010
- +Nielsen,C.S. Stubhaug,A., Price,D.D., Vassend,O., Czajkowski,N., Harris,J.R.
Individual differences in pain sensitivity: genetic and environmental contributions
Pain 136 (2008)21 - 9
- +Nielsen,S.M. Tarp,S., Christensen,R., Bliddal,H., Klokke,L., Henriksen,M.
The risk associated with spinal manipulation: an overview of reviews
Systematic Reviews 6 (2017)64 (Internet 10.5.2017)
<https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-017-0458-y>
- +Nielsen,L.M. Olesen,A.E., Branford,R., Chrstrup,L.L., Sato,H., Drewes,A.M:
Assiciation between human pain-related genotypes and variability in opioid analgesia: an updated review
Pain Pract 15 (2015)580 - 94
- +Nielsen,P.R. Andreassen,J., Asmussen,M., Tonnesen,H.
Costs and quality of life for rehabilitation and early rehabilitation after surgery oft the lumbar spine
BMC Health Serv Res 8 (2008a)209
- +Nielson,W.R. Armstrong,J.M., Jensen,M.P., Kerns,R.D.

- Two brief versions of the Multidimensional Pain Readiness to Change Questionnaire, version 2 (MPRCQ2)
- Clin J Pain 25 (2009)48 – 57
- +Nielson,W.R. Weir,R.
- Biopsychosocial approaches to the treatment of chronic pain
- Clin J Pain 17 (2001)S114 - 27
- +Niemeläinen,R. Briand,M.M., Battie,M.C.,
- Substantial asymmetrie in paraspinal muscles CSA in healthy adults question ist value as marker of LBP and pathology
- Proceedings of the 25th annual meeting of the North American Spine Society, Orlando, FL, 2010
- Spine J 10 (2010)9S: 48S
- +Niemeläinen,R. Briand,M.M., Battie,M.C.
- Substantial asymmetrie in paraspinal muscles cross-sectional area in healthy adults question ist value as marker of LBP and pathology
- Spine 36 (2011)2152 - 7
- +Niemier,K. Multimodal, polypragmatisch und kostenintensiv. Rückenschmerzbehandlungen auf dem Prüfstand
- Manuelle Med 50 (2012)16 – 27
- +Niemier,K. Langzeiteffekte interventioneller Behandlungen von chronischen Schmerzen des Bewegungssystems. Retrospektive Verlaufsstudie wiederholter stationärer Behandlungen
- Schmerz 26 (2012a)185 – 92
- +Niemier,K. Manuelle Medizin in der Behandlung von Rückenschmerzen. Eine kritische Bestandsaufnahme
- Manuelle Med 53 (2015)424 - 46
- +Niemier,K. Die stationäre Behandlung von chronischen Rückenschmerzen in Deutschland. Der BARMER GEK Krankenhausreport 2015
- Manuelle Med 54 (2016)176 - 80
- +Niemier,K. Lindena,G., Preißler,A.

- Interdisziplinäres multimodales Assessment. Frühzeitige Diagnostik zur Verhinderung chronischer Schmerzen
- Manuelle Med 60 (2022)90 – 5 doi.org/10.1007/s00337-022-00870-6
- +Niemier,K. Noll-Hussong,M., Pfingsten,M.
- Schmerz oder Funktion, was steht im Mittelpunkt der Schmerztherapie?
- Schmerz 26 (2012)Suppl.1: 9 - 10
- +Niemier,K. Ritz,W., Seidel,W.
- Der Einfluss muskuloskelettaler Funktionsstörungen auf chronische Schmerzsyndrome des Bewegungssystems
- Schmerz 21 (2007)139 - 45
- +Niemier,K Ritz,W., Seidel,W.
- Funktionelle muskuloskelettale Diagnostik. Evaluation eines multiprofessionellen Assessmentsystems für Patienten mit muskuloskeletalem Schmerz der chronisch ist oder bei dem das Risiko einer Chronifizierung besteht
- Manuelle Med. 45 (2007)123 - 7
- +Niemier,K. Schindler,M., Volk,T., Baum,K., Eberitsch,J., Seidel,W.
- Wirksamkeit periduraler Steroidinjektionen in der Therapie von nichtradikulären chronischen Rückenschmerzen
- Schmerz 29 (2015)300 - 7
- +Niemier,K. Schulz,J.
- Erfassung und Bewertung von Funktionsstörungen des Bewegungssystems. Entwicklung und Evaluation eines strukturierten klinischen funktionellen Untersuchungsganges
- Manuelle Med 57 (2019)441 - 6
- +Niemier,K. Seidel,W.
- Funktionspathologien als Risikofaktor für die Entwicklung chronischer Schmerzen des Bewegungsapparates. Umsetzung einer an Funktionspathologien orientierten Diagnostik- und Therapiestrategie für Schmerzsyndrome des Bewegungsapparates im Krankenhaus.
- Schmerz 20 (2006) Suppl.1., S36

- +Niemier,K. Steinmetz,A.
Manuelle Medizin und Psyche – Widerspruch oder funktionelle Einheit? Funktionsmedizin als komplexe Herangehensweise an Funktionserkrankungen des Bewegungssystems
Manuelle Med 61 (2023)141 – 4 doi.org/10.1007/s00337-23-00977-4
- +Niemistö,L. Kalso,E., Malmivaara,A., Seitsalo,S., Hurri,H.
Radiofrequency denervation for neck and back pain: a systematic review within the framework of the Cochrane Collaborative Back Review Group
Spine 28 (2003)1877 – 88
- +Niemistö,L. Lahtinen-Suopanski,T., Rissanen,P., Lindgren,K.-A., Sarna,S., Hurri,H.
A randomized trial of combined manipulation, stabilizing exercises and physician consultation compared to physician consultation alone for chronic low back pain
Spine 28 (2003b)2185 – 91
- Niemisto,L. et al. Radiofrequency denervation for neck and back pain. A systematic review of randomized controlled trials
Cochrane Database Syst Rev 2003; 1: CD004058 (zit. Cohen et al., 2007)
- +Nies,N. Sinnott,P.L.
Variations in balance and body sway in middle ages adults: subjects with healthy backs compared with subjects with low-back dysfunction
Spine 16 (1991)325 – 30
- +Niesters,M. Dahan,A., Kest,B., Zacny,J., Stijnen,T., Aarts,L., Sarton,E.
Do sex differences exist in opioid analgesia? A systematic review and meta-analysis of human experimental and clinical studies
Pain 151 (2010)61 - 8
- +Niethard,F.U. Formveränderungen der Lendenwirbelsäule bei Beinlängendifferenz

- Zschr Orth Grenzgeb 120 (1982)91 – 214
- NIH
National Institute of Health, National Centre for
Complementary and Integrative Health (NCCIH)
- Complementary, alternative, or integrative health: What's in
a name?
- <https://nccih.nih.gov/health/integrative-health> (2016) letzter
Zugriff 16.11.2016
- +Nijs,J.
Torres-Cueco,R., van Wilgen,C.P., Girbes,E.L. :, Struyf,F.,
Roussel,N., van Oosterwijck,J., Daenen,J. und weitere 8
Autoren
- Applying modern pain neuroscience in clinical practice:
criteria for the classification of central sensitization pain
- Pain Physician 17 (2014)447 – 57
- +Nijs,J.
van Wilgen,C.P., van Oosterwijck,J., van Ittersum,M.,
Meeus,M.
- How to explain central sensitization to patients with
“unexplained” chronic musculoskeletal pain: Practice
guidelines
- Man Ther 16 (2011)413 – 8 (abstr.)
- +Niklas,A.
BKK-Studie zu Rückenschmerz: Nur 36 % gehen zum Arzt
(weitere Informationen www.bkk.de)
- Zschr Komplementärmed 1 (2009)2: 6
- +Nikolaj,S.
Boon,B.
- Health care management in workers compensation
- Occup Med 13 (1998)357 – 79
- Nilges,P.
Köster,B., Schmidt,C.O.
- Schmerzakzeptanz – Konzept und Überprüfung einer
deutschen Fassung des Chronic Pain Acceptance
Questionnaire
- Schmerz 21 (2007)57 – 67
- +Nilges,P.
Nagel,B.
- Was ist chronischer Schmerz?
- Deutsch Med Wochenschr 132 (2007)2133 - 8

Nim,C.G.	Downie,A., O’Neill,S., Kawchuk,G.N., Perle,S.M., Leboeuf-Yde,C. The importance of selecting the correct site to apply spinal manipulation when treating spinal pain: myth or reality? A systematic review Sci Rep11 (2021a)1: 1 – 13 (zit. Beyer et al., 2022)
+Nim,C.G.	Kawchuk,G.N., Schiottz-Christensen,B., O’Neill,S. Changes in pain sensitivity and spinal stiffness in relation to responder status following spinal manipulative therapy in chronic low back pain: a secondary explorative analysis of a randomized trial BMC Musculoskelet Disord 22 (2021)23
+Nim,C.G.	O’Neill,S., Gelthoft,A.G., Jensen,L.K., Schlottz-Christensen,B., Kawchuk,G.N. A cross-sectional analysis of persistent low back pain, using correlations between lumbar stiffness, pressure pain threshold , and heat pain threshold Chiropr Man Ther 29 (2021)34 doi.org/10.1186/s12998-021-00391-4
+Nimgade,A.	McNeely,E., Milton,D., Celona,J. Increased expenditures for other health conditions after an incident of low back pain Spine 35 (2010)769 - 77
+Nimmerjahn,A.	Kirchhoff,F., Helmchen,F. Resting microglial cells are highly dynamic surveillants of brain parenchyma in vivo Science 308 (2005)1314 – 8
NIOSH	National Institute for Occupational Safety and Health (NIOSH). Musculoskeletal disorders and workplace factors: a critical review of epidemiologic evidence for work-related musculoskeletal disorders of the neck, upper extremity and low back Bernard,P. ed., 1st ed. Cincinnati: DHHS (NIOSH); 1997 (zit. Macfarlane et al., 2006)

- +Nisenzon,A.N. George,S.Z., Beneciuk,J.M., Wandner,L.D., Torres,C., Robinson,M.A.
- The role of anger in psychosocial subgrouping for patients with low back pain
- Clin J Pain 30 (2014)501 - 9
- +Nishida,K. Doita,M.,Kakutani,K.I.Miyamoto,H., Shimomura,T., Maeno,K., Kurosaka,M.
- Sustained transgene expression in intervertebral disc cells in vivo mediated by microbubble-enhanced ultrasound gene therapy
- Spine 31 (2006)1415 – 19
- +Nishida,K. Kang,J.D., Suh,J.K.Robbins,P.D. Evans,C.H., Gilbertson,L.G.,
- Adenovirus-mediated genetransfer to nucleus pulposus cells: implications for the treatment of intervertebral disc degeneration
- Spine 23 (1998)2437 – 42, discussion 2443
- +Nishida,K. . Kano,J.D., Gilbertson,L.G., Moon,S.H., Suh,J.K.,Vogt,M.T., Robbins,P.D., Evans,C.H.
- Modulation of the biologic activity of the rabbit intervertebral disc by gene therapy: an in vivo study of adenovirus-mediated transfer of the human transforming growth factor beta 1 encoding gene
- Spine 24 (1999)2419 – 25
- +Nishigami,T. Tanaka,K., Mibu,A., Manfuku,M., Yono,S., Tanabe,A.
- Development and psychometric properties of short form of central sensitisation inventory in participants with musculoskeletal pain: A cross-sectional study
- PLoS ONE 13 (2018)7: e0200152
doi.org/10.1371/journal.pone.0200152
- +Nishio,Y. Minami,A., Kato,H., Kaneda,K., Nishihira,J.
- Identification of macrophage migration inhibitory factor (MIF) in rat peripheral nerves: its possible involvement in nerve regeneration
- Bichim Biophys Acta 1453 (1999)74 – 82

- +Nishio,Y. Nishihira,J., Ishibashi,T., Kato,H., Minami,A.
Role of macrophage migration inhibitory factor (MIF) in peripheral nerve regeneration: anti-MIF antibody induces delay of nerve regeneration and the apoptosis of Schwann cells
Mol Med 8 (2002)509 – 20
- +Nishiyama,A. Liu,H., Giese,N., Heldin,H., Stallcup,W.H.
Interaction between NG2 proteoglycan and PDGF alpha-receptor on O2A progenitor cells is required for optimal response to PDGF
J Neurosci Res 43 (1996)315 – 30
- Nissen,S.E.. Yeomans,N.D., Solomon,D.H. et al.
Cardiovascular safety of Celecoxib, Naproxen, or Ibuprofen for arthritis
N Engl J Med. 375(2016)2519 - 29 doi 10.1056/NEJMoa1611593 (zit. Nees & Schultenwolf, 2019)
- +Nissinen,M. Heliovaara,M., Seitsamo,J., Alaranta,H., Poussa,M.
Anthropometric measurements and the incidence of low back pain in a cohort of pubertal children
Spine 19 (1994)1367 – 70
- +Nitz,A.J. Peck,D.
Comparison of muscle spindle concentrations in large and small human epaxial muscles acting in parallel combinations
Am Surg 52 (1986)273 – 7
- +Niu,K.Y. Zhang,Y., Ro,J.Y.
Effects of gonadal hormones on the peripheral cannabinoid receptor 1 (CB1R) system under a myositis condition in rats
Pain 153 (2012)2283 - 91
- +Niv,D. Devor,M.
Refractory neuropathic pain: the nature and extent of the problem (editorial)
Pain Practice 6 (2006)3 - 9

- +Niv,D. Gofeld,M., Devor,M.
Causes of pain in degenerative bone and joint disease: a lesson from vertebroplasty
Pain 105 (2003)387 - 92
- Njoo,K.H. Nonspecific low back pain in general practice: a delicate point
Thesis, Erasmus University, Rotterdam, 1996 (zit. Vleeming, 2005)
- Noble,E.P. Alcoholism and the dopaminergic system: a review
Addict Biol 1 (1996)333 – 48 (zit. Borsook et al., 2007)
- +Noble,J.G. Henderson,G., Cramp,A.F., Walsh,D.M.,Lowe,A.S.
The effect of interferential therapy upon cutaneous blood flow in humans
Clin Physiol 20 (2000)2 - 7
- +Noe,D.A. Mostardi,R.A., Jackson,M.E., Porterfield,J.A., Askew,M.J.
Myoelectric activity and sequencing of selected trunk muscles during isokinetic lifting
Spine 17 (1992)225 - 9
- +Nolan,T.A. Price,D.D., Caudle,R.M., Murphy,N.P., Neubert,J.K.,
Placebo-induced analgesia in an operant pain model in rats
Pain 153 (2012)2009 - 16
- Nolen-Hoeksema,S. Morow,J.
A prospective study of depression and posttraumatic stress syndroms after a natural disaster: the 1989 Loma Prieta earthquake
J Pers Soc Psychol 61 (1991)115 – 21 (zit.Tang et al., 2010)
- +Nolet,P.S. Yu,H., Cote,P., Meyer,A.L., Kristman,V.L., Sutton,D., Murnaghan,K., Lemeunier,N.
Reliability and validity of manual palpation for the assessment of patients with low back pain: a systemical and critical review
Chiropr Man Ther 29 (2021)33 doi.org/10.1186/s12998-021-00384-3

- +Noll,D.R. Degenhardt,B.F., Stuart,M., McGovern,R., Matteson,M.
Effectiveness of a sham protocol and adverse effects in a clinical trial of osteopathic manipulative treatment in nursing home patients
JAOA 104 (2004)107 – 13
- Noll,M. Candotti,C.T., da Rosa,B.N., Loss,J.F.
Dor nas costas e fatores associados em crianças e adolescentes: um estudo epidemiológico populacional
Rev Saude Publica 50 (2016)31 doi.org/10.1590/s1518-8787.2016050006175
- +Nolte,T. Austauschzwang: fatale Konsequenzen für Schmerzpatienten. Die Auswahl von Opioiden muss dem Arzt überlassen bleiben
MMW-Fortschr. Med 150 (2008)42: 49 - 51
- +Nolte,T. Schmerzende Rücken, knappe Budgets, einseitige Therapien: Wirbel unter Druck
MMW-Fortschr Med 150 (2008a)32 – 35: 30
- +Nomura,T. Mochida,J., Okuma,M., Nishimura,K., Sakabe,K.
Nucleus pulposus allograft retards intervertebral disc degeneration
Clin Orthop 389(2001)94 – 101
- +Noormohamadpour,P. Mansournia,M.A., Koohpayehzadeh,J., Asgari,F., Rostami,M., Rafei,A., Kordi,R.
Prevalence of chronic neck pain, low back pain, and knee pain and their related factors in community-dwelling adults in Iran. A population-based study
Clin J Pain 33 (2017)181 - 7
- Noormohamadpour,P. et al.
Reliability and validity of Athletes Disability Index Questionnaire
Clin J Sport Med (2017) doi: 10.1097/JSM.0000000000000414 (Sportverl Sportschad 31 (2017)72
- +Noponen-Hietala,N. Kyllönen,E., Männikkö,M., Ilkko,E., Ott,J., Ala-Kokko,L.

- Sequence variation in the collagen IX and XI genes are associated with degenerative lumbar spinal stenosis
Ann Rheum Dis 62 (2003)1208 – 14
- Noponen-Hietala,N. Virtanen,I., Karrtunen,R. et al.
Genetic variations in IL-6 associate with internal disc disease characterised by sciatica
Pain 114 (2005)186 – 94
- +Nordeman,L. Gunnarsson,R., Mannerkorpi,K.
Prevalence and characteristics of widespread pain in female primary health care patients with chronic low back pain
Clin J Pain 28 (2012)65 - 72
- +Nordeman,L. Gunnarsson,R., Mannerkorpi,K.
Prognostic factors for work ability in women with chronic low back pain consulting primary health care. A 2-year prospective longitudinal cohort study
Clin J Pain 30 (2014)391 - 8
- +Nordeman,L. Nilsson,B., Müller,M., Gunnarsson,R.
Early access to physical therapy treatment for subacute low back pain in primary health care. A prospective randomized clinical trial
Clin J Pain 22 (2006)505 - 11
- +Norden,J. Tomkins-Lane,C., Sinha,A., Hu,R., Smuck,M.
Objective measurement of free-living physical activity (performance) in lumbar spinal stenosis: are physical activity guidelines being met?
Proceedings of the 31st annual meeting of the North America Spine Society, Boston,MA, October 26 – 29, 2016
Spine J 16 (2016)S173
- Nordschow,M. Bierman,W.
The influence of manual massage on muscle relaxation: effect on trunk flexion
J Am Phys Ther 42 (1962)653 – 7 (zit. Weerapong et al., 2005)

- +Nordström,D. Santavirta,S., Seitsalo,S., Hukkanen,M., Polak,J.M., Nordsletten,L., Konttinen,Y.T.
Symptomatic lumbar spondylolysis
Spine 19 (1994)2752 – 8
- +Norimoto,M. Ohtori,S., Yamashita,M., Inoue,G., Yamauchi,K., Koshi,T., Suzuki,M., Orita,S., Eguchi,Y., Sugiura,A., Ochiai,N., Takaso,M., Takahashi,K.
Direct application of the TNF-alpha inhibitor, Etanercept, does not affect CGRP expression and phenotypic change of DRG neurons following application of nucleus pulposus onto injured sciatic nerves in rats
Spine 33 (2008)2403 - 8
- +Norman,G.J. Karelina,K., Zhang,N., Walton,J.C., Morris,J.S., Devries,J.C.,
Stress and IL-1 beta contribute to the development of depressive-like behavior following peripheral nerve injury
Mol Psychiatry 15 (2010)404 – 14
- +North,R.B. Han,M., Zahurak,M., Kidd,D.H.
Radiofrequency lumbar facet denervation. Analysis of prognostic factors
Pain 57 (1994)77 – 83
- +North,R.B. Kidd,D.H., Farrokhi,F., Piantadosi,S.A.,
Spinal cord stimulation versus repeated lumbar spine surgery for chronic pain: a randomized, controlled trial
Neurosurg 56 (2005)98 – 106
- Northup,T.L. Sacroiliacal lesions primary and secondary
Academy of Applied Osteopathy Yearbook, 1943/44, pp. 54-55, (zit. Koch. 2024)
- +Norton,G. McDonough,C.M., Cabral,H., Shwartz,M., Burgess,J.F.
Cost-utility of cognitive behavioral therapy for low back pain from the commercial payer perspective
Spine 40 (2015)725 - 33
- +Norton,G. McDonough,C.M., Cabral,H., Shwartz,M., Burgess,J.F.

	Classification of patients with incident non-specific low back pain: implications for research
	Spine J 16 (2016)567 - 76
+Nosikova,Y.	Santerre,P., Gryn timer,M.D., Kandel,R.A.
	Annulus fibrosus cells can induce mineralisation: an in vitro study
	Spine J 13 (2013)443 - 53
+Nötzel,D.	Put a,C., Wagner,H., Anders,C., Petrovich,A., Gabriel,H.H.W.
	Veränderte Beckenmuskelaktivierung bei Patienten mit chronischem nichtspezifischem Rückenschmerz
	Schmerz 25 (2011)199 - 206
NOUGG	National Opioid Use Guidelines Group: Canadian guidelines for safe and effective use of opioids for chronic non-cancer pain
	http://nationalpain-centre.mcmaster.ca/opioid/
+Nourbakhsh,M.R.	Arab,A.M.
	Relationship between mechanical factors and incidence of low back pain
	J Orthop Sports Phys Ther 32 (2002)447 – 60
+Nouwen,A.	EMG-biofeedback used to reduce standing levels of paraspinal muscle tension in chronic low back pain
	Pain 17 (1983)353 – 60
+Nouwen,A.	Bush,C.
	The relationship between paraspinal EMG and chronic low back pain
	Pain 20 (1984)109 – 123
+Nouwen,A.	van Akker veeken,P.F., Versloot,J.M.
	Patterns of muscular activity during movement in patients with chronic low back pain
	Spine 12 (1987)777 – 82
+Nowycky,M.C.	Fox,A.P., Tsien,R.W.

- Three types of neuronal calcium channel with different calcium agonist activity
- Nature 316 (1985)440 – 3
- +Nugraha,B. Gutenbrunner,C., Barke,A., Karst,M., Schiller,J., Schäfer,P., Falter,S., Korwisi,B., Rief,W., Treede,R.D.
- The IASP classification of chronic pain for ICD-11: functioning properties of chronic pain
- Pain 160 (2019)88 - 94
- +Nuhr,M.J. Crevenna,R., Quittan,M., Auterith,A., Wiesinger,G.F.,Brockow,T., Nuhr,P., Fialka-Moser,V.Haig,A., Ebenbichler,G.
- Cross-cultural adaptation of the Manniche questionnaire for German speaking low back pain patients
- J Rehabil Med 36 (2004)267 – 72
- +Nunez-Cortes,R. Salazar-Mendez,J., Calatayud,J., Malfliet,A., Lluch,E., Mendz-Rebolledo,G., Guzman-Munoz,E., Lopez-Bueno,R., Suso-Marti,L.
- The optimal dose of pain neuroscience education adde to an execise programme for patients with chronic spinal pain: a systematic review and dose-response meta-analysis
- Pain 165 (2024)1196 – 1206
doi.org/10.1097/j.pain.0000000000003126
- +Nury,E. Schmucker,C., Nagavci,B., Motschall,E., Nitschke,K., Schulte,E., Wegwarth,O, Meerpohl,J.J.
- Efficacy and safety of strong opioids for chronic noncancer pain and chronic low back pain: a systematic review and meta-analyses
- Pain 163 (2022) 610 – 36
doi.org/10.1097/j.pain.2022.0000000000002423
- Nussler,A.K. Billiar,T.R.
- Inflammation, immunregulation, and inducible nitric oxide synthase
- J Leukoc Biol 54 (1993)171 – 8 (zit. Brisby et al., 2007)

- +NVL Nationale Versorgungsleitlinie Nicht-spezifischer Kreuzschmerz, Langfassung, 2.Auflage, 2017, Version 1, AWMF-Register-Nr. nvl-007; Internetzugriff 29.3.2017
- +Nwachukwu,B.U. Schaierer,W.W., Shifflett,G.D., Kellner,D.B., Sama,A.A.
Cost-utility analyses in spine care. A qualitative and systemic analysis
Spine 40 (2015)31 - 40
- Nwuga,V.C.B. Relative therapeutic efficacy of vertebral manipulation and conventional treatment in back pain management
Am J Phys Med 1 (1982)160 – 4 (so zit. Santilli et al., 2006 und Koes et al., 1996) , 61 (1982)273 – 8 (so zit. Woodhead & Clough, 2006)
- +Nygaard,O.P. Mellgreen,S.I., Osterud,B.
The inflammatory properties of contained and noncontained lumbar disc herniation
Spine 22 (1997)2484 – 8
- +Nygaard,O.P. Rommer,B., Trumpy,J.H.
Duration of symptoms as a predictor of outcome after lumbar disc surgery
Acta Neurochir (Wien) 128 (1994)53 – 6
- +Nyiendo,J. Haas,M., Goodwin,P.
Patients characteristics, practice activities, and one-month outcomes for chronic, recurrent low back pain treated by chiropractors and family medicine physicians: a practice-based feasibility study
J Manipulative Physiol Ther 23 (2000)239 – 45
- (-)Nyska,M. Constantini,N., Cale-Benzoor,M. et al.
Spondylolysis as a cause of low back pain in swimming
Int J Sports Med 21 (2000)375 – 9 (zit. Esser, 2017)
- +Oaklander,A.L. RSD/CRPS: the end of the beginning
Pain 139 (2008)239 - 40
- +Obara,I. Goulding,S., Hu,J.H., Klugmann,M., Worley,P.F., Szumlinski, K.K.

- Nerve injury-induced changes in Homer/glutamate receptor signalling contribute to the development and maintenance of neuropathic pain
- Pain 154 (2013)1932 - 45
- +Obara,I. Parkitna,J.R., Korostynski,M., Makuch,W., Kaminska,D., Przewlocka,B., Przewlocki,R.
- Local peripheral opioid effects and expression of opioid genes in the spinal cord and dorsal root ganglia in neuropathic and inflammatory pain
- Pain 141 (2009)283 - 91
- +Obata,H. Saito,S., Sasaki,M., Ishikazi,K., Goto,F.
- Antiallodynic effect of intrathecally administered 5-HT₂ agonists in rats with nerve ligation
- Pain 90 (2001)173 – 9
- +Obata,K. Yamanaka,H., Fukuoka,T., Yi,D., Tokunaga,A., Hashimoto,N., Yoshikawa,H., Noguchi,K.
- Contribution of injured and uninjured dorsal root ganglion neurons to pain behaviour and the changes in gene expression following chronic constriction injury of the sciatic nerve in rats
- Pain 101 (2003)65 – 77
- +Obata,K. Yamanata,H., Dai,Y., Tachibana,T., Fukuoka,T., Tokunaga,A., Yoshikawa,H., Noguchi,K.
- Differential activation of extracellular signal-regulated protein kinase in primary afferent neurons regulates brain-derived neurotrophic factor expression after peripheral inflammation and nerve injury
- J Neurosci 23 (2003)4117 – 26
- +Öberg,B. Enthoven,P., Kjellmann,G., Skargren,E.
- Back pain in primary care: a prospective cohort study of clinical outcome and health care consumption
- Adv Physiother 5 (2003)98 – 108
- +Oberheim,N.A. Tian,G.F., Han,X., Peng,W., Takano,T., Ransom,B., Nedergaard,M.

- Loss of astrocytic domain organization in the epileptic brain
J Neurosci 28 (2008)3264 – 76
- +Oberhofer,E. Metaanalyse. Akute Rückenschmerzen – diese Medikamente helfen
www.springermedizin.de/rueckenschmerzen Zugriff
15.4.2023
- +Oberhofer,E. Mit Stoßwellen gegen chronischen Rückenschmerz
MMW Fortschr Med 166 (2024)6: 14 - 6
- +Obert,M. Ohlendorf,D., Kopp,S.
Okklusionsstörungen und Auswirkungen auf den funktionellen Bewegungsraum der Lendenwirbelsäule
Manuelle Med 50 (2012)124 - 31
- +Obregon-Ponce,A. Iraheta,I., Garcia-Ferrer,H., Mejia,B., Garcia-Kutzbach,A.
Prevalence of musculoskeletal diseases in Guatemala, Central America: the COPCORD study of 2 populations
J Clin Rheumatol 18 (2012)170 – 4
- +O’Brien,E.M. Atchinson,J.A., Gremillion,H.A., Waxenberg,L.B., Robinson,M.E.
Somatic focus/awareness: Relationship to negative affect and pain in chronic pain patients
Eur J Pain 12 (2008)104 - 15
- +O’Brien,J.A. Karrasch,J.F., Huang,Y., Vine,E.E., Cunningham,A.L., Haman,A.N., Austin,P.J.
Nerve-myeloid cell interactions in persistent human pain: a reappraisal using updated cell subset classifications
Pain 165 (2024)753 – 71
doi.org/10.1097/j.pain.0000000000003106
- +Ochia,R.S. Inoue,N., Renner,S.M., Lorenz,E.P., Lim,T.H., Andersson,G.B.J., An,H.S.
Three-dimensional in vivo measurement of lumbar spine segmental motion
Spine 31 (2006)2073 – 8

- +Ochia,R.S. Inoue,N., Takatori,R., Andersson,G.B.J., An,H.S.
In vivo measurement of lumbar segmental motion during axial rotation in asymptomatic and chronic low back pain male subjects
Spine 32 (2007)1394 – 9
- +Ochsenkuehn,F.R. Crispin,A., Weigl,M.B.
Chronic low back pain: a prospective study with 4 to 15 years of follow-up after a multidisciplinary biopsychosocial rehabilitation program
BMC Muskulo
- +Ochsmann,E. Rüger,H., Kraus,T., Drexler,H., Letzel,S., Münster,E.
Geschlechtsspezifische Risikofaktoren akuter Rückenschmerzen. Ansatzpunkte für eine zielgruppenspezifische Prävention
Schmerz 23 (2009)377 - 84
- Ochsner,K.N. Feldman,B.
A multiprocess perspective on the neuroscience of emotion
In: Mayne,T.J., Bonano,G.A. (Eds): Emotions: current issues and future directions. New York, The Guilford Press, 2001, p.38 – 81 (zit Ochsner et al., 2006)
- +Ochsner,K.N. Ray,R.D., Cooper,J.C., Robertson,E.R., Chopra,S., Gabrieli,J.D.E., Gross,J.J.
For better or for worse: neural systems supporting the cognitive down- and up-regulation of negative emotion
Neuroimage 23 (2004)483 – 99
- Ochsner,K.N. et al. Neural correlates of individual differences in pain-related fear and anxiety
Pain 120 (2006)69 – 77
- +O’Connell, G.D. Johannessen,W., Vresilovic,E.J., Elliott,D.M.
Human internal disc strains in axial compression measured noninvasively using magnetic resonance imaging
Spine 32 (2007)2860 – 8
- +O’Connell,G.D. Vresilovic,E.J., Elliott,D.M.

- Human intervertebral disc internal strain in compression: the effect of disc region, loading position, and degeneration
J Orthop Res 29 (2011)547 – 55
- +O’Connell,N.E. Cossar,J., Marston,L., Wand,B.M., Bunce,D., de Souza,L.H., Maskill,D.W., Sharp,A., Moseley,G.L.
Transcranial direct current stimulation of the motor cortex in the treatment of chronic nonspecific low back pain. A randomized double-blind exploratory study
Clin J Pain 29 (2013)26 – 34
- +O’Connell,N.E. Moore,R.A., Steward,G., Fisher,E., Heam,L., Ecclestone,C., de C Williams,A.C.
Investigating the veracity of a sample of divergent published trial data in spinal pain
Pain 164 (2023)72 – 83
doi.org/10.1097/j.pain.0000000000002659
- +O’Connell,N.E. Moseley,G.L., McAuley,J.H., Wand,B.M., Herbert,R.D.
Interpreting effectiveness evidence in pain: short tour of contemporary issues
Phys Ther 95 (2015)1087 – 94
- +Oda,A. . Ohashi,H., Komori,S., Iida,H., Dohi,S.
Characteristics of ropivacaine block of Na⁺ - channels in rat dorsal root ganglion neurons
Anesth Analg 91 (2000)1213 – 20
- +Oddsson,L.I. de Luca,C.J.
Activation imbalances in lumbar spine muscles in the presence of chronic LBP
J Appl Physiol 94 (2003)1410 – 20
- +O’Donnell,J.A. Anderson,J.T., Haas,A.R., Percy,R., Woods,S.T., Ahn,U.M., Ahn,N.U.
Preoperative opioid use is a predictor of poor return to work in worker’s compensation patients after lumbar discectomy
Spine 43 (2018)594 - 602
- +Oegema,T.R.Jr. Biochemistry of the intervertebral disc

- Clin Sports Med 12 (1993)419 – 39
- +Oegema,T.R. Bradford,D.S.
- The inter-relationship of facet joint osteoarthritis and and degenerative disc disease
- Br J Rheumatol 30 (1990)Suppl.1: 16 – 20
- +Oegema,T.R. Jr. Johnson,S.L., Aguiar,G.J., Ogilvie,J.W.
- Fibronectin and its fragments increase with degeneration in the human intervertebral disc
- Spine 25 (2000)2742 – 7
- +Oettmeier,R. Reuter,U.
- Die kontinuierliche Procain-Basen-Dauerinfusion/ - perfusion. Neue Wege zur systematischen Regulations-, Entzündungs- und Schmerzbehandlung – Grundsätze und klinische Beobachtungen
- Erfahrungsheilkd (2000)2: 75 - 84
- Office of National Drug Control Policy Epidemic: responding to America’s prescription drug abuse crisis
- <http://www.fda.gov/downloads/drugs/guidancecompliancer egulatoryinformation/guidances/ucm334743.pdf>
- assessed on 27.5.2015
- +Offierski,C.M. MacNab,I.
- Hip-spine syndrome
- Spine 8 (1983)316 – 21
- Ogata,N. Narahashi,T.
- Block of sodium channels by psychotropic drugs in single guinea-pig cardiac monocytes
- Br J Pharmacol 97 (1989)905 – 13 (zit. Sudoh et al., 2003)
- +Ogon,M. Eder,C.
- Influence of intradiscal medication on intravertebraldisc cells
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;

- Spine J 13 (2013) Suppl 9S:54S
- (+)Oh,H. Choi,S.J., Lee,S., Choi,J., Lee,K.
- The impact of manual spinal traction therapy on the pain and Oswestry disability index of patients with chronic back pain
- J Phys Ther Sci 30 (2018)1455 – 7 (nur Abstr.)
doi.org/10.1589/jpts.30.1455
- +Oh,I.S. Ha,K.Y.
- Matrix Metalloproteinase-3 on ligamentum flavum in degenerative lumbar spondylolisthesis
- Spine 34 (2009)E552 - 7
- (-)Oh,K.O. Lee,S.Y.
- Assessment of lumbar spinal kinematics by posterior-to-anterior mobilisation
- Phys Ther Rehab Sci 10 (2021)450 – 6
doi.org/10.14474/pts.2021.10.4.450
- Oh,W.S. Shim,J.C.
- A randomized control trial of radiofrequency denervation of the ramus communicans for chronic discogenic low back pain
- Clin J Pain 20 (2004)55 – 60 (zit Sanders et al., 2005)
- +O'Hagan,E.T. di Pietro,F., Traeger,A.C., Cashin,A.G., Hodges,P.W., Wand,B.M., O'Neill,S., Schabrun,S.M., Harris,I.A., McAuley,J.H.
- What messages predict intention to self-manage low back pain ? A study of attitudes towards patient education
- Pain 163 (2022)1489 – 96
doi.org/10.1097/j.pain.0000000000002530
- +Ohara,P.T. Vit,J.P., Jasmin,L.
- Cortical modulation of pain
- Cell Mol Life Sci 62 (2005)44 – 52
- +Ohara,S. Crone,N.E., Weiss,N., Lenz,F.A.
- Analysis of synchrony demonstrates “pain networks” defined by rapidly-switching, Task-specific, functional connectivity between pain-related cortical structures

- Pain 123 (2006)244 – 53
- +Ohata,R. Tomita,N., Ikada,Y.
Effects of a static magnetic field on ion transport in a cellulose membrane
J Colloid Interface Sci 270 (2004)413 – 6
- +Ohayon,M.M. Schatzberg,A.F.
Using chronic pain to predict depressive morbidity in the general population
Arch Gen Psychiatry 60 (2003)39 – 47
- +Ohe,A. Kimura,T., Goh,A.C., Ob,A., Takahashi,J., Mogami,Y.
Characteristics of trunk control during crook-lying unilateral leg raising in different types of chronic low back pain
Spine 40 (2015)550 - 9
- O’Hearn,M. Lowry,C., Emerson-Kavchak,A., et al.
Re: “Interrater reliability of a new classification scheme for patients with neural low back-related leg pain” Schafer et al. J Man Manip Ther 2009; 17: 109 – 16
J Man Manip Ther 17 (2009)e115 – 6 (zit. Fairbank et al., 2011)
- Ohkubo,C. Xu,S.
Acute effects of static magnetic fields on cutaneous microcirculation in rabbits
In Vivo 11 (1997)221 – 5 (zit. Harden et al., 2007)
- +Ohlendorf,D. Friedrich,F., Bollwein,H., Karrasch-Busse,D., Kopp,S.
Effekte einer Okklusionsschiene auf die Oberkörperstatik beim HWS-Syndrom
Manuelle Med 51 (2013)218 - 24
- +Ohlendorf,D. Garcia,N., Turbanski,S., Schmidtbleicher,D., Kopp,S.
Effekte eines individuell angepassten Sportmundschutzes auf die funktionelle Wirbelsäulenstellung beim Feldhockey
Dt Z Sportmed 62 (2011)374 – 9
- +Ohlendorf,D. Jonas,A., Kovac,A., Stief,F., Meurer,A., Kopp,S.

- Einfluss der Occlusion auf die plantare Druckverteilung beim Barfusslaufen. Eine Pilotstudie
- Manuelle Med 52 (2014)327 - 33
- +Ohlendorf,D. Seebach,K., Hoerzer,S., Nigg,S., Kopp,S.
- The effects of temporarily manipulated dental occlusion on the position of the spine: a comparison between standing and walking
- Spine J 14 (2014a)2384 - 91
- +Ohlendorf,D. Weyer,K., Lohmeier,T., Kernke,F., Kopp,S.
- Einfluss zweier Aufbissbehelfe auf die Oberkörperstatik jugendlicher Fußballspieler
- Manuelle Med 51 (2013a)238 - 43
- +Ohnami,S. Tanabe,M., Shinohara,S., Takasu,K., Kato,A., Ono,H.
- Role of voltage-dependent calcium channel subtypes in spinal long-term potentiation of C-fiber-evoked field potentials
- Pain 152 (2011)623 - 31
- +Ohnmeiss,D.D. Rashbaum,R.F., Bogdanffy,G., Mitchell,M.S.
- Prospective outcome evaluation of spinal cord stimulation in patients with intractable leg pain
- Spine 21 (1996)1344 – 51
- +Ohnmeiss,D.D. Vanharanta,H., Ekholm,J.
- Degree of disk disruption and lower extremity pain
- Spine 22 (1997)1600 – 5
- +Ohrbach,R. McCall,W.D. Jr.
- The stress-hyperactivity-pain theory of myogenic pain
- Pain Forum 5 (1996)51 – 66
- +Ohshima,H. Tsuji,H., Hirano,N., Ishihara,H., Katoh,Y., Yamada,H.
- Water diffusion pathway, swelling pressure, and biomechanical properties of the intervertebral disc during compression load
- Spine 14 (1989)1234 – 44

- +Ohtani,M. Basic pharmacology of buprenorphine
Eur J Pain Suppl 1 (2007)69 - 73
- +Ohtori,S. Inoue,G., Eguchi,Y., Orita,S., Takaso,M., Ochiai, N., Kishida,S., Kuniyoshi,K. und weitere 18 Autoren
Tumor necrosis factor alpha-immunoreactive cells in nucleus pulposus in adolescent patients with lumbar disc herniation
Spine 38 (2013)459 - 62
- +Ohtori,S. Inoue,G., Ito,T., Koshi,T., Ozawa,T., Doya,H., Saito,T., Moriya,H., Takahashi,K.
Tumor necrosis factor-immunoreactive cells and PGP 9.5-immunoreactive nerve fibers in vertebral endplates of patients with discogenic low back pain and Modic type 1 or 2 changes on MRI
Spine 31 (2006)1026 – 31
- +Ohtori,S. Inoue,G., Koshi,T., Ito,T., Doya,H., Saito,T., Moriya,H., Takahashi,K.
Up-regulation of acid-sensing ion channel 3 in dorsal root neurons following application of nucleus pulposus on nerve root in rats
Spine 31 (2006)2048 – 52
- +Ohtori,S. Inoue,G., Koshi,T., Toshinori,I., Doya,H.,Moriya,H., Takahashi,K.
Substance P-saporin down-regulates substance P receptor immunoreactive sensory dorsal root ganglion neurons 2 (2 innervating the lumbar intervertebral discs in rats
Spine 31 (2006)2987 – 91
- +Ohtori,S. Inoue,G., Koshi,T., Ito,T., Watanabe,T., Yamashita,M., Yamauchi,K., Suzuki,M., Doya,H., Moriya,H., Takahashi,Y., Takahashi,K.
Sensory innervation of lumbar vertebral bodies in rats
Spine 32 (2007)1498 – 1502
- +Ohtori,S. Inoue,G., Miyagi,M., Takahashi,K.
Pathomechanisms of discogenic low back pain in humans and animal models

- Spine J 15 (2015)1347 - 55
- +Ohtori,S. Koshi,T., Yamashita,M., Yamauchi,K., Inoue,G., Suzuki,M., Orita,S., Eguchi,Y. und weitere 13 Autoren
- Surgical versus nonsurgical treatment of selected patients with discogenic low back pain. A small sized randomized trial
- Spine 36 (2011)347 - 54
- +Ohtori,S. Miyagi,M., Eguchi,Y., Inoue,G., Orita,S., Ochiai,N., Kishida,S., Kuniyoshi,K. und weitere 10 Autoren
- Epidural administration of spinal nerves with the tumor necrosis factor alpha inhibitor, etanercept, compared with dexamethasone for treatment of sciatica in patients with lumbar spinal stenosis
- Spine 37 (2012)439 – 44
- +Ohtori,S. Moriya,H., Takahashi,K.
- Calcitonin gene-related peptide immunoreactive sensory DRG neurons innervating the cervical facet joints in rats
- J Orthop Sci 7 (2002a)258 - 61
- +Ohtori,S. Suzuki,M., Koshi,T., Koshi,T., Takaso,M., Yamashita,M., Inoue,G., Yamauchi,K. und weitere 14 Autoren
- Proinflammatory cytokines in the cerebrospinal fluid of patients with lumbar radiculopathy
- Eur Spine J 20 (2011a)942 – 6
- +Ohtori,S. Takahashi,K., Chiba,T., Yamagata,M., Sameda,H., Moriya,H.
- Calcitonin gene-related peptide immunoreactive neurons with dichotomizing axons projecting to the lumbar muscle and knee in rats
- Eur Spine J 12 (2003)576 – 80
- +Ohtori,S. Takahashi,Y., Takahashi,K., Yamagata,M., Chiba,T., Tanaka,K., Hirayama,J., Moriya,H.
- Sensory innervation of the dorsal portion of the lumbar intervertebral disc in rats
- Spine 24 (1999)2295 – 9
- +Ohtori,S. Takahashi,K., Chiba,T. et al.

- Sensory innervation of the dorsal portion of the lumbar intervertebral disc in rats
Spine 26 (2001)946 – 50
- +Ohtori,S. Takahashi,K., Chiba,T., Yamagata,M., Sameda,H., Moriya,H.
Phenotypic inflammation switch in rats shown by calcitonin gene-related peptide immunoreactive dorsal root ganglion neurons innervating the lumbar facet joints
Spine 26 (2001)1009 – 13
- +Ohtori,S. Takahashi,K., Chiba,T., Yamagata,M., Sameda,H., Moriya,H.
Substance P and calcitonine gene related peptide immunoreactive sensory DRG – neurons innervating the lumbar vertebral discs in rats
Ann Anat 184 (2002)235 – 40
- +Ohtori,S. Takahashi,K., Moriya,H., Myers,R.R.
TNF alpha and TNF alpha receptor type I up-regulation in glia and neurons after peripheral nerve injury: studies in murine DRG and spinal cord
Spine 29 (2004)1082 – 8
- +Ohtori,S. Yamashita,M., Yamauchi,K., Inoue,G., Koshi,T., Suzuki,M., Orita,S., Eguchi,Y und weitere 11 Autoren
Change in Modic type 1 and 2 signals after posterolateral fusion surgery
Spine 35 (2010)1231 - 5
- +Ohtori,S. Takahashi,K., Aoki,Y., Doya,H., Ozawa,T., Saito,T., Moriya,H.
Spinal neural cyclooxygenase-2 mediates pain caused in a rat model of lumbar disc herniation
J Pain 5 (2004)385 – 91
- +Ohya,J. Chikuda,H., Kato,S., Hayakawa,K., Oka,H., Takeshita,K., Tanaka,S., Ogata,T.
Elevated levels of phosphorylated neurofilament heavy subunit in the cerebrospinal fluid of patients with lumbar spinal stenosis: preliminary findings
Spine J 15 (2015)1587 - 92

- +Oida,H. Namba,T., Sugimoto,T., Ushikubi,F., Ohisi,H., Ichikawa,A., Narumiya,S
In situ hybridisation studies of prostacyclin receptor mRNA expression in various mouse organs
Br J Pharmacol 116 (1995)2828 – 37
- (+)Oiestad,B.E. Hilde,G., Tveter,A.T., Peat,G.G., Thomas,M.J., Dunn,K.M., Grotle,M.
Risk factors for episodes of back pain in emerging adults. A systematic review
Eur J Pain (2019) doi.org/10.1002/ejp.1474
- +Oikawa,Y. Ohtori,S., Koshi,T., Takaso,M., Inoue,G., Orita,S., Eguchi,Y., Ochiai,N. und weitere 12 Autoren
Lumbar disc degeneration induces persistent groin pain
Spine 37 (2012)114 - 8
- +Ojala,T. Arokaski,J.P.A., Partanen,J.
The effect of small doses of botulinum toxin a on neck-shoulder myofascial pain syndrome: a double-blind, randomized, and controlled crossover trail
Clin J Pain 22 (2006)363 – 9
- +Okada,E. Matsumoto,M., Fujiwara,H., Toyama,Y.
Disc degeneration of cervical spine on MRI in patients with lumbar disc degeneration: comparison study with asymptomatic volunteers
Eur Spine J 20 (2011)585 - 91
- (+)Okamoto,C.S. Dunn,A.S., Green,B.N., Formolo,L.R., Chicoine,D.
Correlation of body composition and low back pain severity in a cross-section of US veterans
J Manipul Physiol Ther 40 (2017)358 – 64 (Internetzugriff 1.11.2017)
- +Okamoto,K. Imbe,H., Morikawa,Y.,Itoh,M., Sekimoto,M., Nemoto,K., Senba,E.
5-HT2A receptor subtype in the peripheral branch of sensory fibers is involved in the potentiation of inflammatory pain in rats

- Pain 99 (2002)133 – 43
- +Oki,G. Wada,T., Iba,K., Aiki,H., Sasaki,K., Imai,S.I., Sohma,H.,
Matsumoto,K., Yamaguchi,M., Fujimiya,M., Yamashita,T.,
Kokai,Y.
- Metallothionein deficiency in the injured peripheral nerves of
complex regional pain syndrome as revealed by proteomics
- Pain 153 (2012)532 – 9
- +Okifuji,A. Turk,D.C., Curran,S.L:
- Anger in chronic pain: investigation of anger, targets and
intensity
- J Psychosom Res 47 (1999)1 – 12
- +Okine,B.N. Madasu,M.K., McGowan,F., Prendergast,C., Gaspar,J.C.,
Harhen,B., Roche,M., Finn,D.P.
- N-palmitoylethanolamide in the anterior cingulate cortex
attenuates inflammatory pain behaviour indirectly via a CB₁
receptor-mediated mechanism
- Pain 157 (2016)2687 - 96
- +Ökmen,K. Ökmen,B.M.
- The efficacy of interlaminar epidural steroid administration in
multilevel disc disease with chronic low back pain: a
randomized, blinded, prospective study
- Spine J 17 (2017)168 - 74
- Oksuz,E. Prevalence, risk factors, and prevalence-based health states
of low back pain in a Turkish population
- Spine 31 (2006)E968 – 72 (zit. Shiri et al., 2016)
- +Okuda,T. Baba,I., Fujimoto,Y., Tanaka,N., Sumida,T., Manabe,H.,
Hayashi,Y., Ochi,M.
- The pathology of ligamentum flavum in degenerative lumbar
disease
- Spine 29 (2004)1689 – 97
- +Okuma,M. Mochida, J., Nishimura,K., Sakabe,K., Seiki,K.
- Reinsertion of stimulated nucleus pulposus cells retards
intervertebral disc degeneration: an in vitro and in vivo
experimental study

- J Orthop Res 18 (2000)988 – 97
- +Olah,Z. Szabo,T., Karai,L., Hough,C., Field,R.D., Caudle,R.M.,
Blumberg,P.M., Iadorola,M.J.
- Ligand-induced dynamic membrane changes and cell deletion
conferred by vanilloid receptor 1
- J Biol Chem 276 (2001)11021 – 30
- +Olango,W.M. Finn,D.P.
- Neurobiology of stress-induced hyperalgesia
- Curr Top Behav Neurosci 20 (2014)251 – 80
- +Olausson,H.W. Cole,J., Valbo,A., McClone,F., Elam,M., Krämer,H.H.,
Rylander,K., Wessberg,J., Bushnell,M.C.
- Unmyelinated tactile afferents have opposite effects on
insular and somatosensory cortical processing
- Neurosci Lett 436 (2008)128 – 32
- Olbertz,H.P. Olbertz,R.
- Zahnmedizinische Erkrankungen, craniomandibuläre
Dysfunktion (CMD/TMD)
- <http://www.praxis-olberts.de> Zugriffen 20.06.2011
- +Olczyk,K. Age related changes of elastin content in human
intervertebral disc
- Folia Histochem Cytobiol 32 (1994)41 – 4 (zit. Cloyd & Elliot,
2007)
- +Oldervoll,L.M. Ro,M., Zwart,J.A., Svebak,S.
- Comparison of two physical exercise programs for the early
intervention of pain in the neck, shoulders and lower back in
female hospital staff
- J Rehabil Med 33 (2001)156 – 61
- +Old,E.A. Clark,A.K., Malcangio,M.
- The role of glia in the spinal cord in neuropathic and
inflammatory pain
- Handb Exp Pharmacol 227 (2015)145 – 70 - in Bibl. einges. -
- +Olds,M.E. Reinforcing effects of morphine in the nucleus accumbens

	Brain Res 237 (1982)429 – 40
O’Leary,T.J.	Collett,J., Howells,K., Morris,M.G.
	High but not moderate intensity endurance training increases pain tolerance: a randomized trial
	Eur J Appl Physiol 117 (2017)2201 – 10 doi.org/10.1007/s00421-017-3708-8
+Oleske,D.M.	Lavender,S.A., Andersson,G., Kwasny,M.M.
	Are back supports plus education more effective than education alone in promoting recovery from low back pain
	Spine 32 (2007)2050 – 7
OLG	Oberlandesgericht Hamm, NJW-RR 2000, 401 (so zit. von Harder, 2007)
OLG Köln	Oberlandesgericht Köln (2012): 18U221/11 http://www.versorgungsleitlinien.de/aktuelles/pdf/urteil-lg-koeln-20121106.pdf . Zugriffen 9.1.2013
+Oliveira,M.C.G.	Pelegri-da-Silva,A., Herrera Tambeli,C., Parada,C.A.
	Peripheral mechanisms underlying the essential role of P2X3,2/3 receptors in the development of inflammatory hyperalgesia
	Pain 141 (2009)127 - 34
+Oliveira,V.C.	Ferreira,M.L., Refshauge,K.M., Maher,C.G., Griffin,A.R., Hopper,J.L., Ferreira,P.H.
	Risk factors for low back pain: insights from a novel case-control twin study
	Spine J 15 (2015)50 - 57
+Oliveira,V.C.	Ferreira,M.L., Morso,L., Albert,H.B., Refshauge,K.M., Ferreira,P.H.
	Patient’s perceived level of social isolation affects the prognosis of low back pain
	Eur J Pain 19 (2015)538 – 45
Oliveira Meirelles, F. de	s. de Oliveira Meirelles,F.
+Olivier,B.	Steward,A.S., McKinon,W.

- Injury and lumbar reposition sense in cricket pace bowlers in neutral and pace bowling specific positions
Spine J 14 (2014)1447 - 53
- +Olmarker,K. Radikuläre Schmerzen: aktuelle pathophysiologische Konzepte und therapeutische Implikationen (Radicular pain: recent pathophysiologic concepts and therapeutic implications)
Schmerz 15 (2001)425 – 9
- +Olmarker,K. Blomquist,J., Stromberg,J., Nannmark,U., ThomsenP., Rydevik,B.
Inflammatogenic properties of nucleus pulposus
Spine 20 (1995)665 - 9
- +Olmarker,K. Brisby,H., Yabuki,S., Nordborg,C., Rydevik,B.
The effect of normal, frozen, and hyaluronidase-digested nucleus pulposus on nerve root structure and function (Discussion 476)
Spine 22 (1997)471 – 5
- +Olmarker,K. Larsson,K.
Tumor necrosis factor alpha and nucleus pulposus-induced nerve root injury
Spine 23 (1998)2538 – 44
- +Olmarker,K. Nordborg,C., Larsson,K., Rydevik,B.
Ultrastructural changes in spinal nerve roots induced by autologous nucleus pulposus
Spine 21 (1996)411 – 4
- +Olmarker,K. Rydevik.,B.
Selective inhibition of tumor necrosis factor - alpha prevents nucleus pulposus-induced thrombosis formation, intraneural edema, and reduction of nerve conduction velocity: possible implications for future pharmacologic treatment strategies of sciatica
Spine 26 (2001)863 – 9
- +Olmarker,K. Rydevik,B., Nordlborg,C.

- Autologous nucleus pulposus induces neurophysiologic and histologic changes in porcine cauda equina nerve roots
- Spine 18 (1993)1425 – 32
- +Olsen,R.B. Bruehl,S., Nielsen,C.S., Rosseland,L.A., Eggen,A.E., Stubhaug,A.
- Hypertension prevalence and diminished blood pressure-related hypoalgesia in individuals reporting chronic pain in a general population: The Tromso study
- Pain 154 (2013)257 – 62
- +Olsen,T.L. Anderson,R.L., Dearwater,S.R., Kriska,A.M., Cauley,J.A., Aaron,D.J., la Porte,R.E.
- The epidemiology of low back pain in an adolescent population
- Am J Pub Health 82 (1992)606 – 8
- +Olson,K.O. “Skilled mentors” and reliability
- Physical Ther 82(2002)1265 -6
- +Olson,P.R. Lurie,J.D., Frymoyer,J., Walsh,T., Zhao,W., Morgan,T.S., Abdu,W.A., Weinstein,J.N.
- Lumbar disc herniation in the Spine Patient Outcomes Research Trial
- Spine 36 (2011)2324 - 32
- +Olszewski,A.D. Yaszemski, M.I., White,A.A.
- The anatomy of the human lumbar ligamentum flavum. New observations and their surgical importance
- Spine 21 (1996)2307 – 12
- +Omair,A. HoldenM., Lie,B.A., Reikeras,O., Brox,J.L.
- Treatment outcome of chronic low back pain and radiographic lumbar disc degeneration are associated with inflammatory and matrix degrading gene variants: a prospective genetic association study
- BMC Musculoskelet Disord 14 (2013)105
- +Omarker,K. Myers,R.R.

	Pathogenesis of sciatic pain: role of herniated nucleus pulposus and deformation of spinal nerve root and dorsal ganglion
	Pain 78 (1998)99 – 105
Omey,M.L.	Micheli,L.J., Gerbino,P.G. II.
	Idiopathic scoliosis and spondylolysis in the femal athlete. Tips for treatment
	Clin Orthop Relat Res 372 (2000)74 – 84
+Omokhodion,F.O.	Low back pain in an urban population in southwest Nigeria
	Trop Doct 34 (2004)17 – 20
+Omote,K.	Kawamata,T., Kawamata,M., Namiki,A.
	Formalin-induced release of excitatory amino acids in the skin of the rat hindpaw
	Brain Res 787 (1998)161 – 4
+Onda,A.	Yabuki,S., Kikuchi,S., Satoh,K., Myers;R.R.
	Effects of lidocaine on blood flow and endoneurial fluid pressure in a rat model of herniated nucleus pulposus
	Spine 26 (2001)2186 – 91
-Onda,A. et al.	Effects of neutralising antibodies to tumor necrosis factor alpha on nucleus pulposis-induced abnormal nociresponses in rat dorsal horn neurons
	Spine 28 (2003)967 – 72 (zit Cuellar et al., 2004)
+O'Neill,C.	Dream from our president: Barak Obama and evidence based medicine (editorial)
	Spine J 10 (2010)105 – 7
+O'Neill,C.	Modic changes and intradiscal steroids (commentary)
	Spine J 11 (2011)109 - 10
+O'Neill,C.	Derby,R., Kenderes,L.
	Precision injection techniques for diagnosis and treatment of lumbar disc disease
	Semin Spine Surg 11 (1999)104 – 18
+O'Neill,C.	Owens,D.K.

- Lumbar facet joint pain: time to hit the reset button
(editorial)
Spine J 9 (2009)619 – 22
- +O'Neill,C. Owens,D.K:
Role of a single photon emission computed tomography in
the diagnosis of chronic back pain (commentary)
Spine J 10 (2010)70 - 2
- +O'Neill,C.W. Kurgansky,M.E., Derby,R., Ryan,D.P.
Disc stimulation and patterns of referred pain
Spine 27 (2002)2778 – 81
- +O'Neill, R.G. Heller,S.
The mechanosensitive nature of TRPV channels
Pflügers Arch 451 (2005)193 – 203
- +O'Neill,S. Kjaer,P., Graven-Nielsen,T., Manniche,C., Arendt-Nielsen, L.
Low pressure pain thresholds are associated with, but does
not predispose for, low back pain
Eur Spine J (2011a)2120 - 5
- +O'Neill,S. Manniche,C., Graven-Nielsen,T., Arendt-Nielsen,L.
Generalized deep-tissue hyperalgesia in patients with chronic
low-back pain
Eur J Pain 11 (2007)415 – 420
- +O'Neill,S. Manniche,C., Graven-Nielsen,T., Arendt-Nielsen,L.
Association between a composite score of pain sensitivity and
clinical parameters in low back pain
Clin J Pain 30 (2014)831 – 8
doi.org/10.1097/AJP.0000000000000042
- +O'Neill,T.W. McCloskey,E.V., Kanis,J.A., Bhalla,A.K., Reeve,J., Reid,D.M.,
Todd,C., Woolf,A.D., Silman,A.J.
The distribution, determinants, and clinical correlates of
vertebral osteophytosis: a population based survey
J Rheumatol 26 (1999)842 – 8

- +Ong,A. Anderson,J., Roche,J.,
A pilot study of the prevalence of lumbar disc degeneration in elite athletes with lower back pain at the Sydney 2000 Olympic Games
Br J Sports Med 37 (2003)263 – 6
- +Ong,A.D. Thoemmes,F., Ratner,K., Ghezzi-Kopel,K., Reid,M.C.
Positive affect and chronic pain: a preregistered systematic review and meta-analysis
Pain 161 (2020)1140 – 9
doi.org/10.1097/j.pain.0000000000001828
- Ong,A.D. Zautra,A.J., Reid,M.C., Carrington,M.
Chronic pain and the adaptive significance of positive emotions
Am Psychol 70 (2015)283 – 4 doi.org/10.1037/a0038816
- +Ongley,M.J. Klein,R.G., Dorman,T.A., Eek,B.C., Hubert,L.J.
A new approach to treatment of chronic low back pain
Lancet 1987, 2, 143 – 6
- +Ono,R. Yamazaki,S., Takegami,M., Otani,K., Sekiguchi,M., Onichi,Y., Hayashino,Y., Kikuchi,S., Konno,S.I., Fukuhara,S.
Gender differences in association between low back pain and metabolic syndrome. Locomotive syndrome and health outcome in Aizu cohort study (LOHAS)
Spine 37 (2012)1130 - 7
- Ontario Workplace Safety and Insurance Board Report of the Chronic Pain Expert Advisory Panel
Ontario: Ontario Workplace Safety and Insurance Board, 2000 (zit Nicholas et al., 2006)
- Oohashi,T. Edematsu,M., Bokku,Y., Carulli,D.
The hyaluran and proteoglycan link proteins: organizers of the brain extracellular matrix and key molecules for neuronal function and plasticity
Exp Neurol 274 (2015)pt B:134 – 44
doi.org/10.1016/j.expneurol.2015.09.010
- +Oosterhof,J. Wilder-Smith,O.H., de Boo,T., Oostendorp,R.A.B., Crul,B.J.P.

- The long term outcome of transcutaneous electrical nerve stimulation in the treatment for patients with chronic pain: a randomized, placebo-controlled trial
- Pain Pract 12 (2012)513 - 22
- +Oosterman,J.M. Derksen,L.C., van Wijck,A.J.M., Veldhuijzen,D.S., Kessels,R.P.C.
- Memory functions in chronic pain. Examining contributions of attention and age to test performance
- Clin J Pain 27 (2011)70 – 5
- +Orakifar,N. Kamali,F., Pirouzi,S., Jamshidi,F.
- Sacroiliac joint manipulation attenuates alpha-motoneuron activity in healthy women: a quasi-experimental study
- Arch Phys Med Rehab 93 (2012)56 – 61
- +Oratsch,C. Pipam,W., Köstenberger,M., Apich,G., Likar,R.
- Behandlung bei chronischen Rückenschmerzen? Aktive multimodale, interdisziplinäre Schmerztherapie vs. physiotherapeutisch-physikalische Therapie bei chronischen Rückenschmerzen
- Schmerz 33 (2019)337 - 46
- +Oray,S. Majewska,A., Sur,M.
- Dendritic spine dynamics are regulated by monocular deprivation and extracellular matrix degradation
- Neuron 44 (2004)1021 – 30
- +Orita,S. Eguchi,Y., Kamoda,H., Arai,G., Ishikawa,T., Miyagi,M., Inoue,G., Suzuki,M. Toyone,T., Aki,Y., Takahashi,K., Ohtori,S.
- Brain-derived neurotrophic factor inhibition at the punctured intervertebral disc downregulates the production of calcitonin gene-related peptide in dorsal root ganglia in rats
- Spine 36 (2011)1737 - 43
- Orita,S. Ishikawa,T., Miyagi,M. et al.
- Pain-related sensory innervations in monoiodacetate-induced osteoarthritis in rat knees that gradually develops neuronal injury in addition to inflammatory pain

	BMC Musculoskelet Disord 12 (2011a)134 (zit. Kimura et al., 2014)
(+)Orlando de Oliveira,I.	Antunes de Vascoconulos,R., Pilz,B., Terxeira,P.E.P., de Faria Ferreira,E., Mello,W. Prevalence and reliability of treatment-based classification for subgrouping patients with low back pain J Manual Manipul Ther (2017) doi.org/10.1080/10669817.2017.1350328 (Internetzugriff 15.10.2017)
+Orozco,O.E.	Walus,L., Sah,D.W.Y., Pepinsky,R.B., Sanicola,M. GFRalpha3 is expressed predominantly in nociceptive sensory neurons Eur J Neurosci 13 (2001)2177 - 82
Orrock,P. – n -	Profile of members of the Australian Osteopathic Association: part 1 – the practitioners Int J Osteopath Med 12 (2009)14 - 24 (nur kostenpflichtig im Internet)
Orrock,P. – n -	Profile of members of the Australian Osteopathic Association: part 2 – the patients Int J Osteopath Med 12 (2009)128 – 39 (nur kostenpflichtig im Internet)
+Orrock,P.	Myers,S.P. Osteopathic intervention in chronic non-specific low back pain: a systematic review BMC Musculoskelet Disord 14 (2013)129
+Ortiz,M.I.	Castaneda-Hernandez,G. Examination of the interaction between peripheral lumiracoxib and opioids on the 1 % formalin test in rats Eur J Pain 12 (2008)233 – 41
+Orvieto,R.	Achiron,A., Ben-Rafael,Z., Gelernter,I., Achiron,R. Low back pain of pregnancy Acta Obstet Gynecol Scand 73 (1994)209 – 14
Osborne,M.G.	Coderre,T.J.

- Effects of intrathecal administration of nitric oxide synthase inhibitors on carrageenan-induced thermal hyperalgesia
Br J Pharmacol 126 (1999)1840 – 6 (zit. Boettger et al., 2007)
- +Osborne,N.R. Cheng,J.C., Rogachov,A., Kim,J.A., Hemington,K.S., Bosma,R.L., Inman,R.D., Davis,K.D.
Abnormal subgenual anterior cingulate circuitry is unique to women but not men with chronic pain
Pain 162 (2021)97 - 108
- +Oschman,J.L. Energy medicine. The scientific basis
Curcill Livingstone, Neew York, 2000
- +Osgood,D.P. Kenney,E.V., Harrington,W.F., Harrington,J.F.
Excrescence of neurotransmitter glutamate from disc material has nociceptive qualities: evidence from a rat model
Spine J 10 (2010)999 - 1006
- +Oshiro,Y. Quevedo,A.S., McHaffie,J.G., Kraft,R.A., Coghill,R.C.
Brain mechanisms supporting discrimination of sensory features of pain: a new model
J Neurosci 29 (2009)14924 – 31
- +Osikowicz,M. Mika,J., Makuch,W., Przewlocka,B.
Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain
Pain 139 (2008)117 - 26
- +Osikowicz,M. Skup,M., Mika,J., Makuch,W., Czarkowska-Bauch,J., Przewlocka,B.
Glial inhibitors influence the mRNA and protein levels of mGlu2/3, 5, and 7 receptors ant potentiate the analgesic effects of their ligands in a mouse model of neuropathic pain
Pain 147 (2009)175 - 86
- +Ossipov,M.H. Bian,D., Malan Jr,T.P., Lai,J., Porreca,F.
Lack of involvement of capsaicin-sensitive primary afferents in nerve-ligation injury induced tactile allodynia in rats

	Pain 79 (1999)127 – 33
+Ossipov,M.H.	Lai,J., King,T., Vanderah,T.W., Porreca,F. Underlying mechanisms of pronociceptive consequences of prolonged morphine exposure Biopolymers 80 (2005)319 – 24
Ostapowicz,G. et al.	Results of a prospective study of acute liver failure at 17 tertiary centers in the United States Ann Intern Med 137 (2002)947 – 54 (zit. AMK, 2007)
-Ostelo,R.W.J.G.	de Vet,H.C. Clinical important outcomes in low back pain Best Pract Res Clin Rheumatol 19 (2005)593 – 607 (zit. Castro-Sanchez et al., 2016)
+Ostelo,R.W.J.G.	Deyo,R.A., Stratford,P., Waddell,G., Croft,P., von Korff,M., Bouter,L.M., de Vet,H.C. Interpreting change scores for pain and functional status in low back pain – towards international consensus regarding minimal important change Spine 33 (2008)90 - 4
+Ostelo,R.W.J.G.	Pena Costa,L.O., Maher,C.G., de Vet,H.C.W., van Tulder,M.W. Rehabilitation after lumbar disc surgery. An update Cochrane review Spine 34 (2009)1839 - 48
+Ostelo,R.W.J.G.	Stomp-van den Berg,S.G.M., Vlaeyen,J.W.S. et al. Health care providers attitudes and beliefs toward chronic low back pain: the development of a questionnaire Man Ther 8 (2003)214 – 22
Ostelo,R.W.J.G.	Tulder,M., Vlaeyen,J. et al. Behavioural treatment for chronic low back pain Cochrane Database Systematic Rev 2005:1: CD 002014 (zit. van Geen et al., 2007; nach AMK, 2007: 2004!)
+Ostelo,R.W.J.G.	Vlaeyen,J.W.S

Editorial: attitudes and beliefs of health care providers:
extending the fear-avoidance model

Pain 135 (2008)3 – 4

+Ostenfeld,T.

Krishen,A., Lai,R.Y., Bullman,J., Green,J., Anand,P.A., Scholz,J.,
Kelly,M.

A randomized, placebo-controlled trial of the analgesic
efficacy and safety of the p38 MAP kinase inhibitor,
Losmapimod, in patients with neuropathic pain from
lumbosacral radiculopathy

Clin J Pain 31 (2015)283 - 93

+Ostensen,M.

Ostensen,H.

Safety of nonsteroidal anti-inflammatory drugs in pregnant
patients with rheumatic disease

J Rheumatol 23 (1996)1045 - 9

+Oster,B.A.

Kikanloo,S.R., Levine,N.L., Lian,J., Cho,W.

Systematic review of outcomes following 10-year mark of
Spine Patient Outcomes Research Trial (SPORT) for
degenerative spondylolisthesis

Spine 45 (2020)820 - 4

+Oster,B.A.

Kikanloo,S.R., Levine,N.L., Lian,J., Cho,W.

Systematic review of outcomes following 10-year mark of
Spine Patient Outcomes Research Trial (SPORT) for
intervertebral disc herniation

Spine 45 (2020a)825 - 31

+Oster,B.A.

Kikanloo,S.R., Levine,N.L., Lian,J., Cho,W.

Systematic review of outcomes following 10-year mark of
Spine Patient Outcomes Research Trial (SPORT) for spinal
stenosis

Spine 45 (2020b)832 - 6

+Österman,H.

Seitsalo,S., Karppinen,J., Malmivaara,A.

Effectiveness of microdiscectomy for lumbar disc herniation.
A randomized controlled trial with two years of follow-up

Spine 31 (2006)2409 – 14

+Östermann,K.	Östermann,H. Experimental lumbar spondylolisthesis in growing rabbits Clin Orthop 332 (1996)274 – 80
Österreichische	Gesellschaft für Physikalische Medizin und Rehabilitation Versorgungsstudie Physikalische Medizin und Rehabilitation in Österreich Wien, 2015
+Östgaard,H.C.	Zetherstrom,G., Roos-Hansson,E., Svanberg,B. Reduction of back and posterior pain in pregnancy Spine 19 (1994)894 – 900
+Östgaard,H.C.	Andersson,G.B.J., Schultz,A.B., Miller,J.A.A. Influence of some biomechanic factors on low back pain in pregnancy Spine 18 (1993)1861 – 65
+Östgaard,H.C.	Zetherstrom,G., Roos-Hansson,E., Svanberg,B. Reduction of back and posterior pelvic pain in pregnancy Spine 19 (1994)894 – 900
+Ostgathe,C.	Nauck,F., Klaschik,E. Schmerztherapie heute: Stand der Schmerztherapie in Deutschöland Anästh Intensivmed Notfallmed Schmerzther 38 (2003)897 – 906
+Osthus,H.	Cziske,R., Jacobi,E. German version of the Extended Aberdeen Back Pain Scale Spine 31 (2006)571 – 7
+Osti,O.L.	Vernon-Roberts,B., Moore,R., Fraser,R.D. Annular tears and disc degeneration in the lumbar spine. A post-mortem study of 135 discs. J Bone Joint Surg Br 74 (1992)678 – 82

- O'Sullivan,P.O. Clinical instability of the lumbar pain: its pathological basis, diagnosis and conservative management

In: Boyling,J.D., Jull,G. eds. Grieve's Modern Manual Therapy, 3rd ed., Elsevier, 2004, 311 – 31 (zit. Dankaerts et al., 2006b)
- +O'Sullivan,P.O. Lumbar segmental "instability": clinical presentation and specific stabilising exercise management

Manual Ther 5 (2000)2 – 12
- +O'Sullivan,P. Diagnosis and classification of chronic low back pain disorders: maladaptative movements and motor control impairments as underlying mechanisms

Man Ther 10 (2005)242 – 55
- +O'Sullivan,P.O. Beales,D.J., Beetham,J.A., Cripps,J., Graf,F., Lin,I.B., Tucker,B., Avery,A.

Altered motor control strategies in subjects with sacroiliac joint pain during the active straight-leg-raise test

Spine 27 (2002)E1 – 8
- O'Sullivan,P. Beales,D., Smith,A., Straker,L.

Low back pain in 17 year olds has substantial impact and represents an important public health disorder: a cross sectional study

BMC Public Health 12 (2012)100 – 8
doi.org/10.1186/1471-2458-12-1000
- +O'Sullivan,P.O. Burnett,A., Floyd,A.N., Gadsdon,K., Logiudice,J., Miller,D., Quirke,H.

Lumbar repositioning deficit in a specific low back pain population

Spine 28 (2003)1074 – 9
- +O'Sullivan,P.O. Dankaerts,W., Burnett,A.F., Farrell,G.T., Jefford,E., Naylor,C.S., O'Sullivan,K.J.

Affect of different upright setting postures on spinal-pelvic curvature and trunk muscle activation in a pain free population

Spine 31 (2006b)E707 - 12

- +O'Sullivan,P.O. Dankaerts,W., Burnett,A., Chen,D., Booth,R., Carlsen,C., Schutz,A. .
Evaluation of the flexion relaxation phenomenon of the trunk muscles in sitting
Spine 31 (2006a)2009 – 16
- +O'Sullivan,P.O. Grahamslaw,K.M., Kendell,M., Lapenskie,S.C., Möller,N.E., Richards,K.V.
The effect of different standing and sitting postures on trunk muscle activity in pain free population
Spine 27 (2002)1238 – 44
- +O'Sullivan,P.O. Straker,L.M., Smith,A., Perry,M., Kendall,G.
Carer experience of back pain is associated with adolescent back pain experience even when controlling for other carer and family factors
Clin J Pain 24 (2008)226 – 31
- O'Sullivan.P.O. Twomay,L., Allison,G.T.
Altered patterns of abdominal muscle activation in chronic back pain patients
Aust J Physiother 43 (1997)91 – 8 (zit. O'Sullivan et al., 1998)
- +O'Sullivan,P.O. Twomey,L.T., Allison,G.T.
Evaluating of specific stabilizing exercise in the treatment of chronic back pain with radiologic diagnosis of spondylolysis and spondylolisthesis
Spine 22 (1997)2959 – 67
- +O'Sullivan,P.O. Twomay,L., Allison,G.T.
Altered abdominal muscle recruitment in patients with chronic back pain following a specific exercise intention
J Orthop Sports Phys Ther 27 (1998)114 -24
- +Otani, K. Arai,I., Mao,G.P., Konno,S., Olmarker,K., Kikuchi,S.,
Experimental disc herniation: evaluation of the normal course
Spine 22 (1997)2894 – 9
- +Othmann,R. Dassanayake,S., Jayakaran,P., Tumility,S., Swain,N., Mani,R.

- Relationships between psychological, social, physical activity and sleep measures and somatosensory function in individuals with spinal pain. A systemic review and meta-analysis
- Clin J Pain 36 (2020)124 - 34
- +Oths,K.
patient
- Communication in a chiropractic clinic: how a DC treats his
- Cult Med Psychiat 18 (1994)83 – 113
- +Otis,J.C.
- Jiang,C.C., Wickiewicz,T.L., Peterson,M.G.E., Warren,R.F., Santner,T.J.,
- Changes in the moment arms of the rotational cuff and deltoid muscles with abduction and rotation
- J Bone Joint Surg Am 76 (1994)667 – 76
- +Otkjaer,K.
- Kragballe,K., Johansen,C., Funding,A.T., Just,H., Jensen,U.B., Sörensen,L.G., Nörby,P.L., Clausen,J.T., Iversen,L.
- IL-20 gene expression is induced by IL-1 beta through mitogen-activated protein-kinase and NF-kappaB dependent mechanisms
- J Invest Dermatol 127 (2007)1326 – 36
- +Otoshi,K.I.
- Kikuchi,S.I., Konno,S.I., Sekiguchi,M.
- The reactions of glia-cells and endoneurial macrophages in the dorsal root ganglion and their contribution to pain-related behavior after aplication of nucleus pulposus onto the nerve roots in rats
- Spine 35 (2010)264 – 71
- +Ots,T.
- Lumbago – das Konzept Niere. Phänomenologie der Wahrnehmung Ost – West
- Dt Zschr Akupunktur, Suppl. 2 (2006)13 - 7
- +Otsubo,Y.
- Satoh,Y., Kodama,M., Araki,Y., Satomoto,M., Sakamoto,E., Pages,G., Pouyssegur,J., Endo,S., Kazama,T.
- Mechanical allodynia but not thermal hyperalgesia is impaired in mice deficient for ERK2 in the central nervous system
- Pain 153 (2012)2241 - 52

- +Otsuka,Y. An,H.S., Ochia,R.S., Andersson,G.B.J., Orias,A.A.E., Inoue,N.
In vivo measurement of lumbar facet joint area in asymptomatic and chronic low back pain subjects
Spine 35 (2010)924 - 8
- +Ott,S. Osteopathische Ansätze bei Endometriose
Osteopath Med 18 (2017)2: 4 - 9
- Otte,C. Experimentelle in-vivo-Studie zur ISG-Mobilität
Osteopathische Med 8 (2007)1: 17 – 22
- +Otte,C. Rasev,E.
Posturale Aspekte der Schmerztherapie des Bewegungssystems
Manuelle Med 48 (2010)267 – 74
- +Otten,U. Ruegg,U.T., Hill,R.C., Businger,F., Peck,M.
Correlation between substance P content of primary sensory neurons and pain sensitivity in rats exposed to antibodies to nerve growth factor
Eur J Pharmacol 85 (1982)351 – 3
- +Ottenbacher,K. DiFabio,R.P.
Efficacy of spinal manipulation/mobilisation therapy: a metaanalysis
Spine 10 (1985)833 – 7
- +Otti,A. Noll-Hussong,M.
Intrinsische Hirnaktivität bei Schmerzen
Schmerz 25 (2011)501 - 5
- +Overas,C.K. Johanson,M.S., de Campos,T.F., Ferreira,M.L., Natvig,B., Mork,P.J., Hartvigsen,J.
Distribution and prevalence of musculoskeletal pain co-occurring with persistent low back pain: a systematic review
BMC Musculoskel Disord 22 (2021)91
doi.org/10.1186/s12891-020-03893-z
- +Overley,S.C. McAnany.S.J., Andelman,S., Patterson,D.C., Cho,S.K., Qureshi,S., Hsu,W.K., Hecht,A.C.

- Return to play in elite athletes after lumbar microdiscektomy.
A meta-anlysis
Spine 41 (2016)713 - 8
- +Overmeer,T. Linton,S.J., Holmquist,L., Eriksson,M., Engfeldt,P.
Do evidence-based guidelines have an impact in primary
care? A cross-sectional study of Swedish physicians and
physiotherapists
Spine 30 (2005)146 – 51
- +Owen,D.G. Clarke,C.F., Ganapathy,S., Prato,F.S., Lawrence,K.S.S.
Using perfusion MRI to measure the dynamic changes in
neural activation associated with tonic muscular pain
Pain 148 (2010)375 - 86
- +Owens,E.F. Gudavali,M.R., Wilder,D.G.
Paraspinal muscle function assessed with the flexion-
relaxation ratio at baseline in a population of patients with
back-related leg pain
J Manipulative Phys Ther 34 (2011)594 – 601
- (-)Oz,M. Demirel,A., Asliyuce,Y.A., Ulger,O.
Education level is a strong determinant of cognitive function
as measured by MoCA in people with chronic low back pain
Musculo Sci Pract 58 (2022) April 2022,102503
doi.org/10.1016/j.msksp.2022.102503
- +Ozaki,S. Narita,M., Iino,M., Sugita,J., Matsumura,Y., Suzuki,T.
Suppression of the morphine-induced rewarding effect in the
rat with neuropathic pain: implication of the reduction in mu-
opioid receptor functions in the ventral tegmental area
J Neurochem 82 (2002)1192 – 8
- +Ozaktay,A.C. Kallakuri,S., Cavanaugh,J.M., King,A.I.
Phospholipase A 2 induced electrophysiologic and histologic
changes in rabbit dorsal lumbar spine tissues
Spine 20 (1995)2659 – 68
- Ozaktay,A.C. Yamashita,T., Cavanaugh,J.M., King,A.I.

- Fine nerve fibers and endings in the fibrous capsule of the lumbar facet joint
- Proc Orthop Res Soc, 37th Annual Meeting, Anaheim,CA
- 16 (1991)353 (zit Cavanaugh et al., 1997)
- +Ozawa,T. Aoki,Y., Ohtori,S.,Takahashi,K., Chiba,T., Ino,H., Moriya,H.
- The dorsal portion of the lumbar intervertebral disc is innervated primarily by small peptide-containing dorsal root ganglion neurons in rats
- Neurosci Lett 344 (2003)65 – 7
- +Ozawa,T. Ohtori,S., Inoue,S., Aoki,Y., Moriya,H., Takahashi,K.
- The degenerated lumbar intervertebral disc is innervated primarily by peptide-containing sensory nerve fibers in humans
- Spine 31 (2006)2418 – 22
- +Özcan,N.T. Basakci,B., Kabul,E.G.
- The effectiveness of matrix rhythm therapy in patients with chronic low back pain
- Spine 46 (2021)781 – 7
- doi.org/10.1097/BRS.0000000000003898
- +Özdemir,F. Karaoglu,I., Özfirat,O.
- Malatya il merkezinde yasayan bireylerde boyun, sirt ve bel agrisi prevalanslari ve etkileyen faktörler
- (The lifetime and point prevalence of neck, upper back and low back pain of the people living in central malatya with influencing factors)
- Agri 25 (2013)27 – 35
- +Ozguler,A. Gueguen,A., Leclerc,A., Landre,M.F., Piciotti,M., le Gall,S., Morel-Fatio,M., Boureau,F.
- Using the Dallas pain questionnaire to classify individuals with low back pain in a working population
- Spine 27 (2002)1783 – 9
- +Ozikovicz,M. Mika,J., MakuchW., Przewlocka,B.

- Glutamate receptor ligands attenuate allodynia and hyperalgesia and potentiate morphine effects in a mouse model of neuropathic pain
- Pain 139 (2008)117 - 26
- (-)Ozkaraoglu,D.K. Tarakci,D., Alguna,Z.C.
- Comparison of two different electrotherapy methods in low back pain treatment
- J Back Musculoskel Rehab 33 (2020)193 - 9
- Paajanen,H. Disc degeneration and lumbar instability. Magnetic resonance examination of 16 patients
- Acta Orthop Scand 60 (1989)375 - 8
- +Paalanne,N. Korpelainen,R., Taimela,S., Remes,J., Mutanen,P., Karppinen,J.
- Isometric trunc muscle strength and body sway in relation to low back pain in young adults
- Spine 33 (2008)E435 - 41
- +Paalanne,N. Niinimäki,J., Karppinen,J., Taimela,S., Mutanen,P., Takatalo,J., Korpelainen,R., Tervonen,O.
- Assessment of association between low back pain and paraspinal muscle atrophy using opposed-phase magnetic resonance imaging. A population-based study among young adults
- Spine 36 (2011)1961 - 8
- +Paasilta,P. Lohiniva,J., Göring,H.H.H., Perälä,M., Ränkä,S.S., Karppinen,J., Hakada,M., Palm,T., Krüger,H., Kaitila,I., Vanharanta,H., Ott,J., Ala-Kokko,L.
- Identification of a novel common genetic risk factor for lumbar disc disease
- JAMA 285 (2001)1843 – 9
- Pabst,H. Schaefer,A., Staiger,C., Junker-Sameck,M., Predel,H.
- Combination of comfrey root extract plus methyl nicotinate in patients with conditiona of upper or low back pain
- Phytother Res 27 (2013)811 – 7 doi.org/10.1002/ptr.4790
- +Pace,J.B. Nagle,D.

- Piriform syndrome
- West J Med 124 (1976)435 – 9
- +Pacharinsak,C. Khasabov,S.G., Beitz,A.J., Simone,D.A.
- NK-1 receptors in the rostral ventromedial medulla contribute to hyperalgesia produced by intraplantar projection of capsaicine
- Pain 139 (2008)34 - 46
- +Pacini,S. Vannelli,G.B., Barni,T., Ruggiero,M., Sardi,I., Pacini,P., Gulisano,M.
- Affect of 0.2 T static magnetic field on human neurons: remodelling and inhibition of signal transduction without genome instability
- Neurosci Lett 267 (1999)185 – 8
- +Padgett,D.A. Marucha,P.T., Sheridan,J.F.
- Restraint stress slows cutaneous wound healing in mice
- Brain Behav Immun 12 (1998)64 – 73
- +Page,C.P. Platelets as inflammatory cells
- Immunopharmacol 17 (1989)51 – 9
- (+)Page,I. Biner,E., Descarreaux,M.
- Vertebral displacements and muscle activity during manual therapy: distinct behaviors between spinal manipulation and mobilisation
- J Manipul Physiol Ther 41 (2018)753 – 61
doi.org/10.1016/j.jmpt.2018.07.004
- +Pahl,M.A. Brislin,B., Boden,S., Hilibrand,A.S., Vaccaro,A., Hanscom,B., Albert,T.J.
- The impact of four common lumbar spine diagnoses upon overall health status
- Spine J 6 (2006)125 – 30
- Pai,S. Sundaram,L.J.
- Low back pain: an economic assessment in the United States

- Orthop Clin North Am 35 (2004)1 – 5 (zit. Haldeman & Dagenais, 2008)
- (+)Paige,N.M. Miake-Lye,I.M., Booth,M. S., Beroes,J.M., Mardian,A.S., Dougherty,P., Branson,R., Tang,B., Morton,S.C., Shekelle,P.G.
- Association of spinal manipulative therapy with clinical benefit and harm for acute low back pain. Systematic review and meta-analysis
- JAMA 317 (2017)1451 – 60 (Internetzugriff 2.11.2017)
- Paik,N.C. Lim,C.S., Jang,H.S.
- Numeric and morphologic verification of lumbosacral segments in 8280 consecutive patients
- Spine 38 (2013)E573 – 8
doi.org/10.1097/BRS.0b013e31828b7195
- +Pais-Vieira,M. Aguiar,P., Lima,D., Galhardo,V.
- Inflammatory pain disrupts the orbitofrontal neuronal activity and risk-assessment performance in a rodent decision-making task
- Pain 153 (2012)1625 - 35
- +Pakpour,A.H. Nikoobakht,M., Campbell,P.
- Association of pain and depression in those with chronic low back pain. The mediation effect of patient sexual functioning
- Clin J Pain 31 (2015)44 - 51
- +Palacin-Marin,F. Esteban-Moreno,B., Olea,N., Herrera-Viedma,E., Arroyo-Morales,M.
- Agreement between telerehabilitation and face-to-face clinical outcome assessment for low back pain in primary care
- Spine 38 (2013)947 - 52
- Palazzo,E. Luongo,L., Novellis,V., Rossi,F., Maione,S.
- The role of cannabinoid receptors in the descending modulation of pain
- Pharmaceuticals (Basel) 3 (2010)2661 – 73 (zit. Sirucek et al., 2023)

- +Palazzo,E. Romano,R., Luongo,L., Boccella,S., de Grgorio,D., Giordano,M.E., Rossi,F., Marabese,I., Scafuro,M.A., de Novellis,V., Maione,S.
- MMPiP, an mGluR7-selective negative allosteric modulator, alleviates pain and normalizes affective and cognitive behavior in neuropathic mice
- Pain 156 (2015)1060 - 73
- +Palecek,J. Paleckova,V., Dougherty,P.M., Carlton,S.M., Willis,W.D.
- Responses of spinothalamic tract cells to mechanical and thermal stimulation of skin in rats with experimental peripheral neuropathy
- J Neurophysiol 67 (1992)1562 – 73
- +Palermo,T.M. de la Vega,R., Murray,C., Law,E., Zhou,C.
- A digital health psychological intervention(WebMAP Mobile) for children and adolescents with chronic pain: results of a hybrid effectiveness-implementation stepped-wedge cluster randomized trial
- Pain 161 (2020)2763 – 74
doi.org/10.1097/j.pain.0000000000001994
- +Pallay,R.M. Seger,W., Adler,J.L., Ettlinger,R.E., Quaidoo,E.A., Lipetz,R., O'Brien,K.O., Mucciola,L., Skalky,C.S., Petruschke,R.A., Bohidar,N.R., Geba,G.P.
- Etoricoxib reduced pain and disability and improved quality of life in patient with chronic low back pain: a 3 month, randomized, controlled trial
- Scand J Rheumatol 33 (2004)257 – 66
- +Pallett,E.J. Rentowl,P., Johnson,M.I., Watson,P.J.,
- Implementation fidelity of self administered transcutaneous electrical nerve stimulation (TENS) in patients with chronic back pain. An observational study
- Clin J Pain 30 (2014)224 - 31
- +Palm,F. Mössner,R., Chen,Y., He,L., Gerlach,M., Bischofs,S., Riederer,P., Lesch,K.P., Sommer,C.
- Reduced thermal hyperalgesia and enhanced peripheral nerve injury after hind paw inflammation in mice lacking the serotonin-transporter

- Eur J Pain 12 (2008)790 – 7
- +Palma,C. Minghetti,L., Astolfi,M., Ambrosini,E., Silberstein,F.C., Manzini,S., Levi,G., Aloisi,F.
- Functional characterization of substance P receptors on cultured human spinal cord astrocytes: synergism of substance P with cytokines in inducing interleukin-6 and prostaglandin E2 production
- Glia 21 (1997)183 – 93
- +Palmer,K.T. Walsh,K., Bendall,H., Cooper,C., Coggon,D.
- Back pain in Britain: comparison of two prevalence surveys at an interval of 10 years
- BMJ 320 (2000)1577 – 8
- +Palmer,R.E. Carrell,D.S., Cronkite,D., Saunders,K., Gross,D.E., Masters,E., Donevan,S., Hylan,T.R., von Korff,M.
- The prevalence of problematic opioid use in patients receiving chronic opioid therapy: computer-assisted review of electronic health record clinical notes
- Pain 156 (2015)1206 - 14
- +Palmerud,G. Kadefors,R., Sporrang,H., Järvholm,U., Herberts,P., Högfors,C., Peterson,B.
- Voluntary redistribution of muscle activity in human shoulder muscles
- Ergonomics 38 (1995)806 – 15
- +Palmgren,T. Grönblad,M., Virri,J., Seitsalo,S., Ruuskanen,M., Karaharju,E.
- Immunohistochemical demonstration of sensory and autonomic nerve terminals in herniated lumbar discs
- Spine 21 (1996)1301 – 6
- +Palsson,T.S. Graven-Nielsen,T.
- Experimental pelvic pain facilitates pain provocation tests and causes regional hyperalgesia
- Pain 153 (2012)2233 - 40
- +Palsson,T.S. Hirata,R.P., Graven-Nielsen,T.

- Experimental pelvic pain impairs the performance during the active straight leg raising test and causes excessive muscle stabilisation
- Clin J Pain 31 (2015)642 - 51
- Pampati,S. Manchikanti,L.
- What is the prevalence of symptomatic obstructive sleep apnea syndrome in chronic spinal pain patients? An assessment of the correlation of OSAS with chronic opioid therapy, obesity and smoking
- Pain Phys 19 (2016)E 569 -79 (Onlinezugriff 28.2.2016)
- +Pan,C.C. Simon,P., Orias,A.E., Takatori,R., An,H.S., Andersson,G.B., Inoue,N.,
- Differences in lumbar facet joint subchondral bone density between asymptomatic and low back apin subjects
- Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
- Spine J 12 (2012a)Suppl.9:123
- +Pan,B. Castro-Lopez,J.M., Coimbra,A.
- Chemical sensory deafferentation abolishes hypothalamic pituitary activation induced by noxious stimulation or electroacupuncture but only decreases that caused by immobilisation stress. A c-fos study
- Neurosci 78 (1997)1059 – 68 (zit. Bäumlér & Irnich, 2017)
- +Pan,B. Guo,Y., Wu,H.E., Park,J., Trinh,V.N., Luo,Z.D., Hogan,Q.H.
- Thrombospondin-4 divergently regulates voltage-gated Ca⁺⁺-channel subtypes in sensory neurons after nerve injury
- Pain 157 (2016)2068 - 80
- +Pan,J.W. Hamm,J.R., Rotham,D.L.,Shulman,R.G.
- Intracellular pH in human skeletal muscle by IN NMR
- Proc Natl Acad Sci USA 85 (1988)7836 – 9
- +Pan,Z.Z. A life switch in pain. (Commentary)
- Pain 153 (2012)738 - 9
- Panagopoulos,J. Hancock,M.J., Ferreira,P., Hush,J., Petocz,P.

- Does the addition of viszeral manipulation alter outcomes for patients with low back pain? A randomized placebo controlled trial
- Eur J Pain 19 (2015)899 – 907 doi.org/10.1002/ejp.614
- +Panagopoulos,J. Hancock,M.J., Kongsted,A., Hush,J., Kent,P.
- Does anterior trunk pain perdecit a different course of recovery in chronic low back pain?
- Pain 155 (2014)977 - 82
- +Panagopoulos,J. Hush,J., Steffens,D., Hancock,M.J.
- Do MRI findings change over a period of up to 1 year in patients with low back pain and/or sciatica?
- Spine 42 (2017)504 - 12
- +Panchin,Y. Kelmanson,I., Matz,M., Lukyanov,K., Usman,N., Lukyanov,S.A.
- A ubiquitous family of putative gap junction molecules
- Curr Biol 10 (2000)R473 – 4
- +Pancrazio,J.J. Kamatchi,G.L., Roscoe,A.K., Lynch,C.
- Inhibition of neuronal Na⁺ channels by antidepressant drugs
- J Pharmacol Exp Ther 284 (1998)208 – 14
- (-)Panico,M. Chande,R.D., Polly,D.W., Lindsey,D.P., Villa,T.M.T., Yerby,S.A., Brayda-Bruno,M., Galbusera,F.
- Effect of sacropelvic hardware on axis and center of rotation of the sacroiliac joint: A finite element study
- Int J Spine Surg (2022)Dez: 8387 doi.org/10.14444/8387
- +Panjabi,M. The stabilizing system of the spine. Part I. Function, dysfunction, adaptation, and enhacement
- J Spinal Disord 5 (1992)383 – 9
- +Panjabi,M. The stabilizing system of the spine. Part II. Neutral zone and instability hypothesis
- J Spinal Disord 5 (1992a)390 - 7
- +Panjabi,M.M. Clinical spinal instability and low back pain
- J Electromyogr Kinesiol 13 (2003)371 – 9

- +Panjabi,M.M. A hypothesis of chronic back pain: ligament subfailure injuries lead to muscle control dysfunction
Eur Spine J 15 (2006)668 – 76
- +Panjabi,M.M. Abumi,K., Duranceau,J., Oxland,T.
Spinal stability and intersegmental muscle forces
Spine 14 (1989)194 – 200
- +Panjabi,M.M. Goel,V., Oxland,T., Takata,K., Duranceau,J., Krag,M., Price,M.
Human lumbar vertebrae, quantitative three-dimensional anatomy
Spine 17 (1992)299 – 306
- +Panjabi,M.M. Krag,M.H., Goel,V.K.
A technique for measurement and description of 3-dimensional six degree-of-freedom motion of a body joint with an application to the human spine
J Biomech 14 (1981)447 - 60
- +Panjabi,M.M. White,A.A.^{3rd}
A mathematical approach for 3-dimensional analysis of the mechanics of the spine
J Biomech 4 (1971)203 – 11
- Panjabi,M.M. White,A.A.
Physical properties and functional biomechanics of the spine; The problem of clinical instability of the human spine. A systematic approach. Part IV. In: White,A.A. & Panjabi,M.M. (eds.) Clinical biomechanics of the spine
Lippincott, Williams & Wilkens, Philadelphia, Baltimore, New York, 1990, p. 1 – 84, 342 – 61 (zit. Kayser, 2019)
- +Panjabi,M. Yamamoto,I., Oxland,T., Crisco,J.
How does posture affect coupling in the lumbar spine?
Spine 14 (1989)1002 – 11
- +Pannese,E. Observations of the morphology, submicroscopic structure and biological properties of satellite cells (s.c.) in sensory ganglia of mammals

Z Zellforsch Mikrosk Anat 52 (1960)567 – 97

+Pantazis,G.

Tsitsopoulos,P., Bibis,A., Mihas,C., Chatzistamou,I.,
Kouzelis,C.

Symptomatic ossification of the ligamentum flavum at the
lumbar spine

Spine 33 (2008)306 - 11

+Panzer,S.

Naundorf,F., Streicher,H., Krug,J.

Effekte eines koordinativen Trainingsprogramms auf die
Haltungskontrolle: eine Untersuchung an Berufschorschängern

Dt Z Sportmed 58 (2007)112 - 5

+Paoloni,M.

di Sante,L., Cacchio,A, Apuzzo,D., Marotta,S., Razzano,M.,
Franzini,M., Santili,V.

Intramuscular oxygen-ozone therapy in the treatment of
acute back pain with lumbar disc herniation – a multicenter,
randomized, double-blind, clinical trial of active and
simulated lumbar paravertebral injection

Spine 34 (2009)1337 - 44

+Papadakis,M.

Papadokostakis,G., Kampanis,N. et al.

The association of spinal osteoarthritis with lumbar lordosis

BMC Musculoskelet Disord 11 (2010)1

+Papadopoulos,E.C.

Khan,S.N.

Piriformis syndrome and low back pain: a new classification
and review of the literature

Orthop Clin North Am 35 (2004)65 – 71

+Papageorgiou,A.C.

Croft,P.R., Ferry,S., Jayson,M.I., Silman,A.J.

Influence of previous pain experience on the episode
incidence of low back pain: results from the South
Manchester Back Pain Study

Pain 66 (1996)181 – 5

+Papageorgiou,A.C.

Croft,P.R., Ferry,S., Jayson,M.I.V., Silman,A.J.

Estimating the prevalence of low back pain in the general
population. Evidence from the South Manchester Back Pain
Survey

- Spine 20 (1995)1889 – 94
- +Papageorgiou,A.C. Croft,P.R., Thomas,E., Silman,A.J., Macfarlane,G.J.
- Psychosocial risks for low back pain: are these related to work?
- Ann Rheum Dis 57 (1998)500 – 2
- +Papageorgiou,A.C. Macfarlane,G., Thomas,E., Croft,P., Jayson,M., Silman,A.
- Psychosocial factors in the workplace – do they predict new episodes of low back pain? Evidence from the South Manchester Back Pain Study
- Spine 22 (1997)1137 – 42
- +Papageorgiou,A.C. Rigby,A.S.
- Review of UK data on the rheumatic diseases – 7. low back pain
- Br J Rheumatol 30 (1991)208 – 10
- +Papaioannou,T. Stokes,I., Kenwright,J.,
- Scoliosis associated with limb-length inequality
- J Bone Joint Surg Am 64A (1982)59 – 62
- +Pape,H.C. Driesang,R.B.
- Ionic mechanisms of intrinsic oscillations in neurons of the basolateral amygdaloid complex
- J Neurophysiol 79 (1998)217 – 26
- Papp,T. Porter,R.W., Aspden,R.M.
- The growth of the lumbar vertebral canal
- Spine 19 (1994)2770 – 3 (zit. van Roy et al., 2001)
- +Pappagallo,M. Breuer,B., Lin,H.M., Moberly,J.B., Tai,J., Noto,C., Sanchez,A., Manfredi,P.L.
- A pilot trial of intravenous pamidronate for chronic low back pain
- Pain 155 (2014)108 - 117
- +Paratcha,G. Ledda,F., Ibanez,C.F.,

- The neural cell adhesion molecule NCAM is an alternative signaling receptor for GDNF family ligands
- Cell 113 (2003)867 – 79
- Pare,D. Smith,Y.
- The intercalated cell masses project to the central and medial nuclei of the amygdala in cats
- Neurosci 57 (1993)1077 – 90 (zit. Pedersen et al., 2007)
- +Pare,D. Royer,S., Smith,Y., Lang,E.J.
- Contextual inhibitory gating of impulse traffic in the intra-amygdaloid network
- Ann NY Acad Sci 985 (2003)78 – 91
- +Paris,S. Physical signs of instability
- Spine 10 (1985)277 – 9
- +Park,D.K. An,H.S., Lurie,J.D., Zhao,W., Tosteson,A., Tosteson,T.D., Herkowitz,H., Errico,T., Weinstein,J.N.
- Does multilevel lumbar stenosis lead to poorer outcomes ? A subanalysis of the spine patient outcomes research trial (SPORT) lumbar stenosis study
- Spine 35 (2010)439 - 46
- +Park,E.S. Gao,X., Chung,J.M., Chung,K.
- Levels of mitochondrial reactive oxygen species increase in rat neuropathic spinal dorsal horn neurons
- Neurosci Lett 391 (2006)108 – 11
- +Park,J. Lavin,R.
- Risk factors associated with opioid medication misuse in community-dwelling older adults with chronic pain
- Clin J Pain 26 (2010)647 - 55
- +Park,J. Park,J.Y., Kim,S.H., Lim,D.J., Kim,S.D., Chung,H.S.
- Long term results from percutaneous radiofrequency neurotomy on posterior primary ramus in patients with chronic low back pain
- Acta Neurochir Suppl 99 (2006a)81 – 3

- +Park,J.B. Chang,H., Kim,K.W.
Expression of of Fas ligand and apoptosis of disc cells in herniated lumbar disc tissue
Spine 26 (2001a)618 – 21
- +Park,J.B. Chang,H., Lee,J.K.
Quantitative analysis of transforming growth factor-beta 1 in ligamentum flavum of lumbar spinal stenosis and disc herniation
Spine 26 (2001)E492 – 5
- +Park,J.B. Kim,K.W., Han,C.W.,Chang,H.
Expression of Fas receptor on disc cells in herniated lumbar disc tissue
Spine 26 (2001c)142 -6
- +Park,J.B. Lee,J.K., Park,S.J., Kim,K.W., Riew,K.D.
Mitochondrial involvement in fas-mediated apoptosis of human lumbar disc cells
J Bone Joint Surg Am 87 (2005a)1338 – 42
- Park,J.B. Jee,J.K., Park,S.J., Riew,K.D.
Hypertrophy of ligamentum flavum in lumbar spinal stenosis associated with increased proteinase inhibitor concentrations
J Bone Joint Surg Am 87 (2005b)2750 – 7
doi.org/10.2106/JBJS.E.00251
- +Park,J.S. Yaster,M., Guan,X., Xu,J.T., Shih,M.H., Guan,Y., Raja,S.N.-, Tao,X.Y.
Role of spinal cord alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors to complete Freund's adjuvant-induced inflammatory pain
Mol Pain 4 (2008a)67
- +Park,K.N. Cynn,H.S., Kwon,O.Y., Lee,H.W., Ha,S.M-, Kim,S.J., Weon,J.H.
Effects of the abdominal drawing-in maneuver on muscle activity, pelvic motions, and knee flexion during active prone knee flexion in patients with lumbar extensions rotation syndrome

- Arch Phys Med Rehabil 92 (2011)1477 – 83
- +Park,P.W. Dryer,R.D., Hegeman-Dingle,R., Mardekian,J., Zlateva,G.,
Wolff,G.G., Lamerato,L.E.
- Cost burden of chronic pain patients in a large integrated
delivery system in the United States
- Pain Pract 16 (2016)1001 - 11
- +Park,R.J. Tsao,H., Cresswell,A.G., Hodges,P.W.
- Changes in direction-specific activity of psoas major and
quadrates lumborum in people with recurring back pain differ
between muscle region and patient groups
- J Electromyogr Kinesiol 23 (2013)734 - 40
- +Park,S.B. Kim,B.M., Koo,J.Y., Cho,H., Lee,C.H., Kim,M., Na,H.S., Oh,U.
- A tarantula spider toxin, GsMTx4, reduces mechanical and
neuropathic pain
- Pain 137 (2008)208 - 17
- +Park,S.M. Kim,H.J., Jang,S., Kim,H., Chang,B.S., Lee,C.K., Yeom,J.S.
- Depression is closely associated with chronic low back pain in
patients over 50 years of age. A cross-sectional study using
the Sixth Korea National Health and Nutrition Examinations
Survey (KNHANES VI-2)
- Spine 43 (2018)1281 - 8
- +Park,S.M. Kim,H.J., Jeong,S., Kim,H., Chang,B.S., Lee,C.K., Yeom,J.S.
- Longer sitting time and low physical activity are closely
associated with chronic low back pain in population over 50
years of age: a cross-sectional study using the sixth Korea
national Health and Nutrition Examination Survey
- Spine J 18 (2018a)2051 - 8
- +Park,S.M. Kim,G.U., Kim,H.J., Kim,H., Chang,B.S., Lee,C.K., Yeom,J.S.
- Walking more then 90 minutes/week was associated with a
lower risk of self-reported low back pain in persons over 50
years of age: a cross-sectional study using the Korean
National Health and Nutrition Examination Study
- Spine J 19 (2019)845 - 52

- +Park,S.R. Jang,K.W., Park,S.H., Cho,H.S., Jin,C.Z., Choi,M.H., Chung,S.I., Min,B.H.
- The effect of sonication on simulated osteoarthritis. Part I: effects of 1 Mhz ultrasound on uptake of hyaluron into the rabbit synovium
- Ultrasound Med Biol 31 (2005)1551 – 8
- +Park,W.H. Kim,Y.H., Lee,T.R., Sung,P.S.,
- Factors affecting shoulder-pelvic integration during axial trunk rotation in subjects with recurrent low back pain
- Eur Spine J 21 (2012)1316 - 23
- +Parke,W.W. The significance of venous return impairment in ischemic radiculopathy and myelopathy
- Orthop Clin North Am 22 (1991a)213 – 21
- Parke,W.W. Clinical anatomy of the lower lumbar spine
- In: Kambin,P. (ed) Arthroscopic microdiscectomy, minimal intervention in spinal surgery. Urban & Schwarzenberg, Baltimore, Munich, 1991 (b)
- +Parke,W.W. Gammell,K., Rothman,R.H.
- Arterial vascularisation of the cauda equina
- J Bone Joint Surg 63A (1981)53 – 62
- +Parke,W.W. Watanabe,R.
- Adhesions of the ventral lumbar dura: an adjunct source of discogenic pain?
- Spine 15 (1990)298 – 303
- +Parker,J. Heinking,K.P., Kappler,R.E.
- Efficacy of osteopathic manipulative treatment for low back pain in euhydrated and hypohydrated conditions: a randomized crossover trial
- J Am Osteopath Assoc 112 (2012a)276 – 84
- +Parker,J.L: Karantonis,D.M., Single,P.S., Obradovic,M., Cousins,M.J.
- Compound action potentials recorded in the human spinal cord during neurostimulation for pain relief

Pain 153 (2012)593 - 601

+Parker,S.I.

Wong,C.C., Gates,M.J., Godil,S.S., Devin,C.J., McGirt,M.J.

The relative impact of lumbar spondylosis on quality of life in the united states: a population health perspective

Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012

Spine J 12 (2012a)Suppl.9: 85

+Parkhurst,T.M.

Burnett,C.N.

Injury and proprioception in the lower back

J Orthop Sports Phys Ther 19 (1994)282 – 95

+Parkin-Smith,G.F.

Norman,I.F., Briggs,F., Angier,F., Wood,T.G., Brantingham,J.W.

A structured protocol of evidence-based conservative care compared with usual care for acute nonspecific low back pain: a randomized clinical trial

Arch Phys Med Rehabil 93 (2012)11 - 20

+Parkkola,R.

Kukala,U., Rytokoski,U.,

Response of the trunk muscles to training assessed by magnetic resonance imaging and muscle strength

Eur J Appl Physiol 65 (1992)383 – 7

+Parkkola,R.

Rytökoski,U., Kormarno,M.

Magnetic resonance imaging of the discs and trunk muscles in patients with chronic low back pain and health control subjects

Spine 18 (1993)830 – 6

+Parnianpour,M.

Nordin,M., Kahanovitz,N., Frankel,V.

The triaxial coupling of torque generation of trunk muscles during isometric exertions and the effect of fatiguing isoinertial movements on the motor output and movement patterns

Spine 13 (1988)982 – 92

+Parreira,P.

Maher,C.G., Steffens,D., Hancock,M.J., Ferreira,M.L.

- Risk factors for low back pain and sciatica: an umbrella review
Spine J 18 (2018)1715 - 21
- +Parreira,P.C.S. Maher,C.G., Ferreira,M.L., Machado,G.c., Blyth,F.M.,
Naganathan,V., Waite,L.M., Seibel,M.J., Handelsman,D.,
Cumming,R.G.
- A longitudinal study of the influence of comorbidities and
lifestyle factors on low back pain in older men
Pain 158 (2017)1571 - 6
- +Parsons,S. Breen,A., Foster,N.E., Letley,L., Pincus,T., Vogel,S.,
Underwood,M.
- Prevalence and comparative troublesomeness by age of
musculoskeletal in different body locations
Fam Pract 24 (2007a)308 - 16
- +Parsons,S. Harding,G., Breen,A., Foster,N., Pincus,T., Vogel,S.,
Underwood,M.
- The influence of patients' and primary care practitioners'
beliefs and expectations about chronic musculoskeletal pain
on the process of care
Clin J Pain 23 (2007)91 – 8
- Partridge,S.M. Biosynthesis and nature of elastin structures
Fed Proc 25 (1966)1023 – 9 (zit. Cloyd & Elliot, 2007)
- Partridge,S.M. Elastin, biosynthesis and structure
Gerontologia 15 (1969)85 – 100 (zit. Cloyd & Elliot, 2007)
- Pasanen,K. Rossi,M., Parkkari,J., Kannus,P., Heinonen,A., Tokola,K.,
Myklebust,G.
- Low back pain in young basketball and floorball players
Clin J Sport Med 26 (2016)376 – 80
doi.org/10.1097/JSM.0000000000000263
- +Pascoe,G.C. Patient satisfaction and primary care
Eval Program Plan 6 (1983)185 – 210
- Pascual Gil,O. – n - Doral Alvarez,M.D., Guerra de la Torre,M.G., Sanchez-Castro
Monge,M.J.

Epidemiological study of back pain in different population groups in the province of Guadalajara (inn Spanisch)

Aten Primaria 6 (1985)367 – 8 (zit. Gonzalez-Urzelai et al., 2003, in erreichbaren Bibliotheken erst ab Jahrgang 1995 nachgewiesen)

+Paskowski,I.

Schneider,M., Stevans,J., Ventura,J.M., Justice,B.D.

A hospital based standardized spine spine care pathway: report of a multidisciplinary, evidence-based process

J Manipulative Physiol Ther 34 (2011)98 – 106

+

+Passias,P.C.

Wang,S., Kozanek,M.,Xia,Q., Li,W., Grottkau,B., Wood,K.B., ,Li,G.

Segmental lumbar rotation in patients with discogenic low back pain during functional weight-bearing activities

J Bone Joint Surg Am 93 (2011)29 – 37

+Passik,S.D.

Kirsh,K.L.

Opioid therapy in patients with a history of substance abuse

CNS Drugs 18 (2004)13 – 25

+Passik,S.D.

Kirsh,K.L.

Screening for opioid abuse potential

Pain – Clin Updates XVI (2008)7

+Passik,S.D.

Kirsh,K.L., Whitcomb,L., Portenoy,R.K., Katz,N.P., Kleinman,L., Dodd,S.L., Schein,J.R.

A new tool to assess and document pain outcomes in chronic pain patients receiving opioid therapy

Clin Ther 26 (2004)552 – 61

+Passik,S.D.

Kirsh,K.L., Whitcomb,L., Schein,J.R., Kaplan,M.A., Dodd,S.L., Kleinman,L., Katz,N.P. Portenoy,R.K.

Pasquier,M. Daneau,C., Marchand,A.A., Lardon,A., Descarreaux,M.

Spinal manipulation frequency and dosage effects on clinical and physiological outcomes: a scoping review

Chiropr Man Ther 27 (2019)23 doi.org/10.1186/s12998-019-0244-0

Monitoring outcomes during long-term opioid therapy for non-cancer pain: results with the pain with the pain assessment and documentation tool

J Opioid Manag 1 (2005)257 – 66

+Passik,S.D.

Weinreb,H.J.

Managing chronic non-malignant pain: overcoming obstacles to the use of opioids

Adv Ther 17 (2000)70 – 80

+Passmore,G.

Delmas,P.

Does cure for pain REST on Kv7 channels? (commentary)

Pain 152 (2011)709 - 10

+Passmore,G.

Selyanko,A.A., Mistry,M., Al-Quatari,M., Marsh,S.H., Matthews,E.A., Dickenson,A.H., Brown,T.A., Burbidge,S.A., Main,M., Brown,D.A.

KCNQ/M currents in sensory neurons: significant for pain therapy

J Neurosci 23 (2003)7227 – 36

+Passmore,S.R.

Johnson,M.G., Aloraini,S.M., Cooper,S., Aziz,M., Glazebrook,C.M.

Impact of spinal manipulation on lower extremity motor control in lumbar spinal stenosis patients: a small-scale assessor-blind randomized clinical trial

J Manipul Physiol Ther 42(2019)23 – 33

doi.org/10.1016/j.jmpt.2018.10.002

+Pasternak,G.W.

Molecular insights into mu – opioid pharmacology: from the clinic to the bench

Clin J Pain 26 (2010)Suppl. S3 - 9

+Pata,C.

Erdal,E., Yazici,K., camdeviren,H., Özkaya,M., Ulu,O.

Association of the -1438 G/A and 102 T/C polymorphism of the 5-Ht2A receptor gene with irritable bowel syndrome

J Clin Gastroenterol 38 (2004)561 – 6

+Patel,K.V.

Guralnik,J.M., Dansie,E.J., Turk,D.C.

- Prevalence and impact of pain among older adults in the United States: Findings from the 2011 National Health and Aging Trends Study
- Pain 154 (2013a)2649 - 57
- +Patel,N. Twelve-month follow-up of a randomized trial assessing cooled radiofrequency denervation as a treatment for sacroiliacal region pain
- Pain Pract 16 (2016)154 - 67
- +Patel,R. Taylor,J.L., Dickenson,A.H., McMahon,S.B., Bannister,K.
- A back-translational study of descending interactions with the induction of hyperalgesia by high-frequency electrical stimulation in rats and humans
- Pain 165 (2024)1978 – 89
doi.org/10.1097/j.pain.00000000000003166
- +Patel,S. Friede,T., Froud,R., Evans,D.W., Underwood,M.
- Systematic review of randomized controlled trials of clinical prediction rules for physical therapy in low back pain
- Spine 38 (2013)762 - 9
- Paterson,J.K. Burn,L. (Hrsg.)
- Back pain. An international review, Kongress FIMM, London; Kluwer Academic Publishers, 1990 (zit. Kondziella, 1996)
- +Patijn,J. Ellis,R.
- Low back pain: reproducibility of diagnostic procedures in manual/muskuloskeletal medicine
- J Orthop Med 23 (2001)36 – 42
- +Patrignani,P. Capone,M., Tacconelli,S.
- Clinical pharmacology of etoricoxib: a novel selective COX-2 inhibitor
- Expert Opin Pharmacother 4 (2003)265 - 84
- +Patten,S.B. Long term medical condition and major depression in a Canadian population study at waves 1 and 2.
- J Affect Disord 63 (2001)35 – 41

+Paul,B.	Achtsame Schmerztherapie. Ein interdisziplinärer Zugang zu muskuloskelettalen Erkrankungen Manuelle Med 56 (2018)74 - 9
+Paul,G.L.	Strategy of outcome research in psychotherapy J Consult Psychol 31 (1967)109 – 18
Pauly,J.E.	An electromyographic analysis of certain movements and exercises. I. Some deep muscles of the back Anat Rec 155 (1966)223 – 34 (zit. Callaghan & Dunk, 2002)
(+)Paungmali,A.	Joseph,L.H., Punturee,K., Silitertpisan,P., Pirunsan,U., Uthaitun,S. Immediate effects of core stabilisation exercise on beta-endorphine and cortisol levels among patients with chronic nonspecific low back pain: a randomized crossover design J Manipulative Physiol Ther 41 (2018)181 – 8 (Abstrakt) doi.org/10.1016/j.jmpt.2018.01.002
+Pauza,K.J.	Howell,S., Dreyfuss,P., Peloza,J.H., Dawson,K., Bogduk,N. A randomized, placebo-controlled trial of intradiscal electrothermal therapy for the treatment of discogenic low back pain Spine J 4 (2004)27 – 35
+Pavan,P.G.	Stecco,A., Stern,R., Stecco,C. Painfull connections: densification versus fibrosis of fascia Curr Pain Headache Rep 18 (2014)441 – 4 (im Internet eingesehen)
-Pavlakovic,G.	Petzke,F. The role of quantitative sensory testing in the evaluation of musculoskeletal pain conditions Curr Rheumatol Rep 12 (2010)455 – 61 (zit. Deitos et al., 2015)
+Pavone,F.	Luvisetto,S., Marinelli,S., Straface,E., Fabbri,A., Falzano,L., Florentini,C., Malori,W. The Rac GTPase-activating bacterial protein toxin CNF1 induces analgesia up-regulating mu-opioid receptors

	Pain 145 (2009)219 - 29
+Pavone,F.	Ueda,H. Is BoNT/B useful for pain treatment? Special commentary Pain 155 (2014)649 - 50
+Pawlak,M.	Schmidt,R.F., Heppelmann,B., Hanesch,U. The neurokinin-1 receptor antagonist RP 67580 reduces the sensitisation of primary afferents by substance P in the rat Eur J Pain 5 (2001)69 – 79
+Pearcy,M.	Portek,I., Shepherd,J. Three-dimensional x-ray analysis of normal movement in the lumbar spine Spine 9 (1984)294 – 7
Pearcy,M.J.	Stereo radiography of lumbar spine motion Acta Orthop Scand 212 (1985)Suppl 1 – 45
+Pearcy,M.J.	Tibrewal,S.B. Axial rotation and lateral bending in the normal lumbar spine measured by three-dimensional radiography Spine 9 (1984)582 – 91
+Pearson,A.M.	Blood,E.A., Frymoyer,J.W., Herkowitz,H., Abdu,W.A., Woodward,R., Longley,M., Emery,S.E., Lurie,J.D., Tosteson,T.D., Weinstein,J.N. SPORT lumbar intervertebral disc herniation and back pain: does treatment, location, or morphology matter? Spine 33 (2008)428 – 35
+Pearson,A.	Blood,E., Lurie,J., Abdu,W., Sengupta,D., Frymoyer,J.W., Weinstein,J. Predominant leg pain is associated with better surgical outcomes in degenerative spondylolisthesis and spinal stenosis. Results from the Spine Patient Outcomes Research Trial (SPORT) Spine 36 (2011)219 - 29

- +Pearson,A.M. Lurie,J.D., Blood,E.A., Frymoyer,J.W., Braeutigam,H., An,H., Girardi,F.P., Weinstein,J.N.
- Spine Patient Outcomes Research Trail. Radiographic predictors of clinical outcomes after operative or nonoperative treatment of degenerative spondylolisthesis
- Spine 33 (2008)2759 – 66
- +Pearson,A.M. Lurie,J.D., Tosteson,T.D., Zhao,W., Abdu,W.A., Weinstein,J.N.
- Who should undergo surgery for degenerative spondylolisthesis?
- Spine 38 (2013)1799 - 1811
- Pearson,W.M. Gross mechanical picture
- J Osteopathy 45 (1938)may 21 – 9 (so zit. Beal, 1950)
- Pecina,M. Azhar,H.,Love,T.M., Lu,T., Fredrickson,B.I., Stohler,C.S., Zubieta,J.K.
- Personality trait predictors of placebo analgesia and neurobiological correlates
- Neuropsychopharmacol (2012) doi.org/101038/npp2012.227 (zit. Colloca et al., 2013)
- +Peck,C.C. Murray,G.M., Gerzina,T.M.
- How does pain affect jaw muscle activity? The integrated pain adaptation model
- Aust Dent J 53 (2008)201 – 7
- +Peck,D. Nicholls,P.J., Beard,C., Allen,J.R.
- Are there compartment syndromes in some patients with idiopathic low back pain?
- Spine 11 (1986)468 – 75
- +Peckham,E.M. Traynor,J.R.
- Comparison of antinociceptive response to morphine nad morphine-like compounds in male and female Sprague-Dawley rats
- J Pharmacol Exp Ther 316 (2006)1195 – 201
- +Pedersen,H.E. Blunck,C.F.J., Gardner,E.

- The anatomy of lumbosacral posterior rami and meningeal branches of spinal nerves (sinu-vertebral nerves): with an experimental study of their functions
- J Bone Joint Surg Am 38 (1956)377 – 91
- +Pedersen,G.L. Finnerup,,N.B., Groesen,K., Pilegaard,H.K., Tracey,I., Benedetti,F., Price,D.D., Jensen,T.S., Vase,L.
- Expectations and positive emotional feelings accompany reductions in ongoing and evoked neuropathic pain following placebo interventions
- Pain 155 (2014a)2687 - 98
- +Pedersen,J. Ljubisavljevic,M., Bergenheim,M., Johansson,H.
- Alterations in information transmission in ensembles of primary muscle spindles afferents after muscle fatigue in heteronymous muscle
- Neurosci 84 (1998)953 – 9
- +Pedersen,J. Sjölander,P., Wenngren,B.I., Johansson,H.
- Increased intramuscular concentration of bradykinin increases the static fusimotor drive in muscle spindles in neck muscles of the cat
- Pain 70 (1997)83 – 91
- +Pedersen,L. Borchgrevink,P.C., Breivik,H.P., Fredheim,O.M.S.
- A randomized, double-blind, double-dummy comparison of short- and long-acting dihydrocodeine in chronisch non-malignant pain
- Pain 155 (2014)881 - 8
- +Pedersen,L.H. Scheel-Krüger,J., Blackburn-Munro,G.
- Amygdala GABA-A receptor involvement in mediating sensory-discriminative and affective-motivational pain responses in a rat model of peripheral nerve injury
- Pain 127 (2007)17 – 26
- +Pedersen,M.T. Essendrop,M., Skotte,J.H., Jorgensen,K., Fallentin,N.
- Training can modify back muscle response to sudden trunk loading
- Eur Spine J 13 (2004)548 – 52

- Pedersen,M.T. Essendrop,M., Skotte,J.H., Jorgensen,K., Schibye,B., Fallentin,N.
Back muscle response to sudden trunk loading can be modified by training among healthcare workers
Spine 32 (2007)1456 - 60
- Pedersen,P. A survey of chiropractic practice in Europe
Eur J Chiropractic 42 (1994) S:3 – 28 (zit. Breen & Breen, 2003)
- +Peebles,J.E. Moore,R.
Illness schemata in patients with low back pain: predictions of rehabilitation success
Pain Clin 12 (2000)237 - 46
- +Peeler,J. Anderson,J.E.
Reliability of the Thomas test for assessing range of motion about the hip
Phys Ther Sport 8 (2007)14 – 21
- +Peerdeman,K.J. van Laarhoven,A.I.M., Keij,S.M., Vase,L., Rovers,M.M., Peters,M.L., Evers,A.W.M.
Relieving patients' pain with expectation interventions: a meta-analysis
Pain 157 (2016)1179 - 91
- +Peeters,L. The iliolumbar ligaments: A literature study
Am Ass Ostopath J 21 (2011)2: 23 - 8
- +Peirs,C. Patil,S., Bouali-Benazzouz,R., Artola,A., Landry,M., Dallel,R.
Protein kinase C gamma interneurons in the rat medullary dorsal horn: distribution and synaptic inputs to these neurons, and subcellular lokalisation of the enzyme
J Comp Neurol 522 (2014)393 – 413
- +Pelaez-Ballestas,I. Flores-Camacho,R., Rodriguez-Amado,J., Sanin,L.H., Valerio,E.N., Navarro-Zarza,E., Flores,D., Casasola-Vargas,L.R.L.J., Burgos-Vargas,R.
Prevalence of back pain in the community. A COPCORD-based study in the Mexican population

- J Rheumatol 86 (2011)Suppl. 26 – 30
- +Peleg,S. Dar,G., Steinberg,N., Masharawi,Y., Been,E., Abbas,J., HersHKovitz,J.
- Sacral orientation and spondylolisthesis
- Spine 34 (2009)E906 – 10
- +Pelletier,J.P. Martel-Pelletier,J., Abramson,S.B.
- Osteoarthritis, an inflammatory disease: potential implication for the selection of new therapeutic targets
- Arthritis Rheum 44 (2001)1327 – 44
- +Pellise,F. Balague,F., Rajmil,L., Cedraschi,C., Aguirre,M., Fontecha,C.G., Pasarin,M., Ferrer,M.
- Prevalence of low back pain and its effect on health-related quality of life in adolescents
- Arch Pediatr Adolesc Med 163 (2009)65 – 71
- Pena Costa,L.O. Maher,C.G., Latimer,J.
- Self-report outcome measures for low back pain – searching for cross-cultural adaptations
- Spine 32 (2007)1028 – 37
- +Peng,B. Chen,J., Kuang,Z., Li,D., Pang,X., Zhang,X.
- Expression and role of connective tissue growth factor in painful disc fibrosis and degeneration
- Spine 34 (2009)E178 – 82
- Peng,B. Hao,J., Hou,S. et al.
- Possible pathogenesis of painful intervertebral disc degeneration
- Spine 31 (2006)560 – 6 (zit. Nakazawa et al., 2018)
- +Peng,H.Y. Chen,G.D., Hsieh,M.C., Lai,C.Y., Huang,Y.P., Lin,T.B.
- Spinal SGK1/GRASP-1/Rab4 is involved in complete Freund's adjuvant-induced inflammatory pain via regulation of dorsal horn GluR1-containing AMPA receptor trafficking in rats
- Pain 153 (2012a)2380 - 92
- +Peng,H.Y. Chen,G.D., Lai,C.Y., Hsieh,M.C., Lin,T.B.

- Spinal SIRPalpha1-SHP2 interaction regulates spinal nerve ligation-induced neuropathic pain via PSD-95-dependent NR2B activation in rats
- Pain 153 (2012)1042 - 53
- +Peng,H.Y. Chen,G.D., Lee,C.Y., Chiu,C.H., Cheng,C.L., Chang,Y.S., Hsieh,M.C., Tung,K.C., Lin,T.B.
- Neuroactive steroids inhibit spinal reflex potentiation by selectively enhancing specific spinal GABA-A receptor subtypes
- Pain 143 (2009b)12 - 20
- Peng,M.S. Wang,R., Wang,Y.Z., Chen,C.C., Wang,J., Liu,X.C., Song,G., Guo,J.B., Chen,P.J., Wang,X.Q.
- Efficacy of therapeutic aquatic exercise vs physical therapy modalities for patients with chronic low back pain. A randomized clinical trial
- JAMA Netw Open 5 (2022) (1):e2142069
doi.org/10.1001/jamanetworkopen.2021.42069
- +Peng,R. Pang,X., Wu,Y., Zhao,C., Song,X.
- A randomized placebo-controlled trial of intradiscal methylene blue injection for the treatment of chronic discogenic low back pain
- Pain 149 (2010)124 - 9
- (+)Peng,T. Perez,A., Gabriel,K.P.
- The association among overweight, obesity and low back pain in U.S. adults: a cross-sectional study of the 2015 National Health Interview Survey
- J Manipulat Physiol Ther 41 (2018)294 – 303 (Abstrakt)
doi.org/10.1016/j.jmpt2017.10.005
- +Pengel,H.M. Maher,C.G., Refshauge,K.M.
- Systematic review of conservative interventions for subacute low back pain
- Clin Rehab 16 (2002)811 – 20
- +Pengel,L.H. Herbert,R., Maher,C., et al.
- Acute low back pain: systematic review of its prognosis

- Br Med J 327 (2003)323 – 7
- Pengying,Y. Fengying,L., Liping,L.
Neck/shoulder pain and low back pain among school teachers in China, prevalence and risk factors
BMC Public Health 12 (2012)1: 789 doi.org/10.1186/1471-2458-12-789
- +Pennal,G.F. Conn,G.S., McDonald,G., Dale,G., Garside,H.
Motion studies of the lumbar spine: a preliminary report
J Bone Joint Surg Br 54 (1972)442 – 52
- Pennebaker,J.W. The psychology of psychical symptoms
New York, Springer, 1982 (zit. O’Brian et al., 2008)
- Penning,L. Psoas muscle and lumbar spine stability: a concept uniting existing controversies. Critical review and hypothesis
Eur Spine J 6 (577 – 85 (zit. Hansen et al., 2006)
- +Penza,C.W. Horn,M.E., George,S.E., Bishop,M.W.
Comparison of two lumbar manual therapies on temporal summation of pain in healthy volunteers
J Pain 18 (2017)1397 - 1408
- +Perennou,D. Marcelli,C., Herisson,C., Simon,L.
Adult lumbar scoliosis: Epidemiologic aspects in a low back pain population
Spine 19 (1994)123 – 8
- +Penrose,K.W. Chook,K., Stump,J.L.
Acute and chronic effects of pneumatic lumbar support on muscular strength, flexibility and functional impairment index
Sports Training Med Rehabil 2 (1991)121 – 9
- +Pentelka,L. Hebron,C., Shapleski,P., Goldshtein,I.
The effect of increasing sets (within one treatment session) and different set durations (between treatment sessions) of lumbar spine posteroanterior mobilisation on pressure pain thresholds
Man Ther 17 (2012)526 - 30

- Penttinen,E. et al. Subjective relief of back pain at work and patient compliance in corset treatment for degenerative lumbar instability
J Manual Med 5 (1990)166 – 8 (zit. Oleske et al., 2007)
- +Penttinen,J. Nevala-Puranen,N., Airaksinen,O., Jaaskelainen,M., Sintonen,H., Takala,J.
Randomized controlled trial of back school with and without peer support
J Occup Rehabil 12 (2002)21 – 9
- +Pereira,A. Conwell,Y., Gitlin,M.J., Dworkin,R.H.
Suicidal ideation and behaviour associated with antidepressant medications: Implications for the treatment of chronic pain
Pain 155 (2014)2471 - 5
- +Pereira,A. Gitlin,M.J., Gross,R.A., Posner,K., Dworkin,R.H.
Suicidality associated with antiepileptic drugs: Implications for the treatment of neuropathic pain and fibromyalgia
Pain 154 (2013)345 - 9
- +Pereira,A.M. Valim,V., Zandonade,E., Ciconelli,R.M.
Prevalence of musculoskeletal manifestations in the adult Brazilian population: a study using copcord questionnaires
Clin Exp Rheumatol 27 (2009)42 – 6
- Pereira,I.I.R. Queiroz,B., Loss,J., Amorim,C., Sacco,I.C.N.
Trunk muscle EMG during intermediate Pilates mat exercises in beginner healthy and chronic low back pain individuals
J Manipulat Physiol Ther (2017)
[http://www.jmptonline.org/article/S0161-4754\(17\)30055-6/fulltext](http://www.jmptonline.org/article/S0161-4754(17)30055-6/fulltext)
- +Perez-Reyes,E. Molecular physiology of low-voltage-activated T-type calcium channels
Physiol Rev 83 (2003)117 – 61
- +Pergolizzi Jr.,J.V. LeQuang,J.A.

- Rehabilitation for low back pain: a narrative review for managing pain and improving function in acute and chronic conditions
- Pain Ther online 31.1.2020;
doi.org/10.6084/m9.figshare.11558706
- +Pergolizzi,J.V. Pappagallo,M., Raffa,R.B., Gharibo,C., Phillips,R.B., Desjonqueres,S., Tabor,A.
- Preliminary observations of a novel topical oil with analgesic properties for treatment of acute and chronic pain syndromes
- Pain Pract 10 (2010)201 - 11
- +Pergolizzi,J.V. Raffa,R.B., Taylor,R. Jr., Rodriguez,G., Nalamachu,S., Langley,P.
- A review of duloxetine 60 mg once-daily dosing for the management of diabetic peripheral neuropathic pain, fibromyalgia, and chronic musculoskeletal pain due to osteoarthritis pain and low back pain
- Pain Pract 13 (2013)239 - 52
- +Perkins,N.M. Tracey,D.J.
- Hyperalgesia due to nerve injury: role of neutrophils
- Neurosci 101 (2000)745 – 57
- +Perl,E. Afferent units and somatic sensation (Commentary)
- Pain 153 (2012)1783 - 4
- +Perl,E.R. Kumazawa,T., Lynn,B., Kenins,P.
- Sensitization of high threshold receptors with unmyelinated (C) afferent fibers
- Prog Brain Res 43 (1976)263 – 77
- +Perle,S.M. Kawchuk,G.N.
- Pressures generated during spinal manipulation and their association with hand anatomy
- J Manipulative Physiol Ther 28 (2005)e1 – e7
- +Perlman,R. Giladi,H., Brecht,K., Ware,M.A., Hebert,T.E., Joseph,L., Shir,Y.

- Intradialytic clearance of opioids: Methadone versus hydromorphone
Pain 154 (2013)2794 - 800
- +Perneros,G. Tropp,H.
Development,validity, and reliability of The Assessment of Pain and Occupational Performance (POP): a new instrument using two dimensions in the investigation of disability in back pain
Spine J 9 (2009)486 - 98
- +Peroglio,M. Eglin,D., Bennecker,L.M., Alini,M., Grad,S.
Thermoreversible hyaluronan-based hydrogel supports in vitro and in vivo disc-like differentiation of human mesenchymal stem cells
Spine J 13 (2013)1627 - 39
- Perquin,C.W. Hazebroek-Kampschreur,A.A.J.M., Hunfield,J.A.M. et al.
Pain in children and adolescents: a common experience
Pain 87 (2000)51 – 8 (zit. McBeth & Jones, 2007)
- +Perrier,J.F. Delgado-Lazema,R.
Synaptic release of serotonin induced by stimulation of the raphe nucleus promotes plateau potentials in spinal motoneurons of the adult turtle
J Neurosci 25 (2005)7993 – 9
- +Perrot,S. Should we switch from analgesics to the concept of “Pain Modifying Analgesic Drugs” in osteoarthritis and rheumatic chronic pain conditions?
Pain 146 (2009)229 - 30
- +Perrot,S. Cohen,M., Barke,A., Korwisi,B., Rief,W., Treede,R.D.
The IASP classification of chronic pain for ICD-11: chronic secondary musculoskeletal pain
Pain 160 (2019)77 - 82
- +Perry,F. Heller,P.H., Kamiya,J., Levine,J.D.
Altered autonomic function in patients with arthritis or with chronic myofascial pain

- Pain 39 (1989)77 – 84
- Perry,J. Ganganalyse – Norm und Pathologie des Gehens
Urban & Fischer, München 2003 (zit. Amelung & Seidel, 2005)
- (+)Perry,J. Green,A.
A longitudinal observational clinical study of neurophysiological and patient-reported responses to a program of physiotherapy for acute and subacute low back pain
J Manipul Physiol Ther 41 (2018)456 – 66
doi.org/10.1016/j.jmpt.2017.11.003
- Pert,C.B. Snyder,S.H.
Opiate receptor: demonstration in nervous tissue
Science 179 (1973)1011 – 4 (zit. Ballantyne & Sullivan, 2017)
- +Pertovaara,A. Noradrenergic pain modulation
Prog Neurobiol 80 (2006)53 – 58
- +Pertovaara,A. Wei,H.
Dual influence of the striatum on neuropathic hypersensitivity
Pain 137 (2008)50 – 9
- +Perttunen,J.R. Anttila,E., Södergard,J., Merikanto,J., Komi,P.V.
Gait asymmetry in patients with limb length discrepancy
Scand J Sci Sports 14 (2004)49 - 56
- +Peschanski,M. Mantyh,P.W., Besson,J.M.
Spinal afferents to the ventrobasal thalamic complex in the rat: an anatomical study using wheat-germ agglutinin conjugated to horseradish peroxidase
Brain Res 278 (1983)240 – 4
- +Pescioli,A. Kool,J.
Die Zuverlässigkeit klinischer Iliosakralgelenktests
Manuelle Med 35 (1997)3 – 10

- +Pesonen,J. Rade,M., Könönen,M., Marttila,J., Shacklock,M., Vanninen,R., Kankaanpää,M., Airaksinen,O.
- Normalisation of spinal cord displacement with the straight leg raise and resolution of sciatica in patients with lumbar intervertebral disc herniation
- Spine 44 (2019)1064 - 77
- Petanceska,S. Canoll,P., Devi,L.A.
- Expression of rat cathepsin S in phagocytic cells
- J Biol Chem 271 (1996)4403 – 9 (zit. Barclay et al., 2007)
- (-)Peterhans,L. Fröhlich,S., Stern,C.
- High rates of overuse-related structural abnormalities in the lumbar spine of youth competitive alpine skiers: a cross-sectional MRI study in 108 athletes
- Ortho J Sports Med 8 (2020)5: 2325967120922554
doi.org/10.1177/2325967120922554
- +Peters,D. Davies,P., Pietroni,P.
- Muskuloskeletal clinic in general practice: study of one years referrals
- Br J Gen Pract 44 (1994)25 – 9
- +Peters,M.L. Smeets,E., Feijge,M., van Breukelen,G., Andersson,G., Buhrman,M., Linton,S.J.
- Happy despite pain: a randomized controlled trial of an 8-week internet-delivered positive psychology intervention for enhancing well-being in patients with chronic pain
- Clin J Pain 33 (2017)962 - 75
- Peters,M.L. Vlayen,J.W.S., Weber,W.E.J.
- The joint contribution of physical pathology, pain related fear and catastrophising to chronic back pain disability
- Pain 113 (2005)45 - 50
- +Peters,R. van der Linde,M.
- Osteopathische Behandlung von Frauen mit Rückenschmerzen während der Schwangerschaft. Eine randomisierte kontrollierte Studie (Abstract)

- Osteopathische Med 8 (2007)26 – 7
- +Petersen,A.M. Pedersen,B.K.
- The anti-inflammatory effect of exercise
- J Appl Physiol 98 (2005)1154 – 62
- +Petersen,J. Bildschirmarbeitsplätze – eine arbeitsmedizinische Bewertung
- Dt Ärzteblatt 103 (2006)A2047 – 52
- +Petersen,J. Mergia,E., Kennel,L., Drees,O., Steubing,R.D., Real,C.I., Kallenborn-Gerhardt,W., Lu,R., Friebe,A., Koesling,D., Schmidtke,A.
- Distinct functions of soluble guanylyl cyclase isoforms NO-GC1 and NO-GC2 in inflammatory and neuropathic pain processing
- Pain 160 (2019)607 - 18
- +Petersen,K.L. Meadoff,T.,Press,S., Peters,M.M., LeComte,M.D., Rowbotham,M.C.
- Change in morphine analgesia and side effects during daily subcutaneous administration in healthy volunteers
- Pain 137 (2008)395 - 404
- +Petersen,S. Bergstrom,E., Brulin,C.
- High prevalence of tiredness and pain in young schoolchildren
- Scand J Public Health 31 (2003a)367 – 74
- +Petersen,T. Brulin,C., Bergstrom,E.
- Recurrent pain symptoms in young schoolchildren are often multiple
- Pain 121 (2006)145 – 50
- +Petersen,T. Juhl,C.B., Fournier,G.L.
- Patients with persistent low back pain and nerve root involvement. To operate, or not to operate, that is the question
- Spine 45 (2020)483 - 90

- +Petersen,T. Kryger,P., Ekdahl,C., Olsen,S., Jacobsen,S.
The effect of McKenzie therapy as compared with that of intensive strengthening training for the treatment of patients with subacute or chronic low back pain. A randomized controlled trial
Spine 22 (2002)1702 – 9
- +Petersen,T. Larsen,K., Jacobsen,S.
One-year follow-up comparison of the effectiveness of McKenzie treatment and strengthening training for patients with chronic low back pain: outcome and prognostic factors
Spine 32 (2007)2948 - 56
- +Petersen,T. Larsen,K., Nordsteen,J., Olsen,S., Fournier,G., Jacobsen,S.
The McKenzie method compared with manipulation when used adjunctive to information and advice in low back pain patients presenting with centralization or peripheralisation
Spine 36 (2011)1999 - 2010
- Petersen,T. Laslett,M., Juhl,C.
Clinical classification in low back pain: best-evidence diagnostic rules based on systematic reviews
BMC Musculoskelet Disord 18 (2017)188 (zit. Vining et al., 2019)
- +Petersen,T. Laslett,M. Thorsen,H., Manniche,C., Ekdahl,C., Jacobsen,S.
Diagnostic classification of non-specific low back pain. A new system integrating pathoanatomic and clinical categories
Physiother Theory Pract 19 (2003)213 – 37
- +Petrenko,A.B. Yamakura,T., Baba,H., Shimoji,K.
The role of N-methyl-D-aspartat (NMDA) receptors in pain: a review
Anesth Analg 97 (2003)1108 – 16
- +Petri,H. Interaktionspotenzial traditioneller NSAR und der Coxibe
Dtsch Ärzteb 116 (2019)4: A 140 - 4
- +Petri,H. Grandt,D.

- Interaktionen der Opioidanalgetika auf Ebene der Biotransformation
- Schmerz 30 (2016)519 - 26
- +Petric,A. Statistics in orthopaedic papers
- J Bone Joint Surg Br 88 (2006)1121 – 36
- +Petrie,K.J. Frampton,T., Large,R.G., Moss-Morris,M., Johnson,M., Meechan,G.
- What do patients expect from their first visit to a pain clinic?
- Clin J Pain 21 (2005)297 – 301
- Petrovic,P. Kalso,E., Petersson,K.M., Ingvar,M.
- Placebo and opioid analgesia – imaging a shared neuronal network
- Science 295 (2002)1737 – 40 (zit. Porro, 2009)
- +Petrovic,P. Kalso,E., Petersson,K.M., Andersson,J., Fransson,P., Ingvar,M.
- A prefrontal non-opioid mechanism in placebo analgesia
- Pain 159 (2010)59 – 65
- +Petrozzi,M.J. Leaver,A., Jones,M.K., Ferreira,P.H., Rubinstein,S.M., Mackey,M.G.
- Does an online psychological intervention improve self-efficacy and disability in people receiving multimodal manual therapy for chronic low back pain compared to multimodal manual therapy alone?
- Chiropr Man Ther 23 (2015)35: 1 - 13
- +Pette,D. Spamer,C.
- Metabolic properties of muscle fibers
- Fed Proc 45 (1986)2910 -4
- +Petty,B.G. Cornblath,D.R., Adornato,B.T., Chaudhry,V., Flexner,C., Wachsmann,M., Sinicropi,D., Burton,L.E., Peroutka,S.J.
- The effect of systemically administred recombinant human nerve growth factor in healthy human subjects
- Ann Neurol 36 (1994)244 – 6

+Petzke,F.	Zentrale Schmerzverarbeitung bei funktionellen somatischen Syndromen Schmerz 24 (2010)146 - 55
+Petzke,F.	Triggerpoints und Tenderpoints, helfen sie in der Klinik? (Abstract) Schmerz 23 (2009)Suppl 1: 4
+Petzke,F.	Welsch,P., Klose,P., Schaefert,R., Sommer,C., Häuser,W. Opioide bei chronischem Kreuzschmerz. Systematische Übersicht und Metaanalyse der Wirksamkeit, Verträglichkeit und Sicherheit in randomisierten, placebokontrollierten Studien über mindestens 4 Wochen Schmerz 29 (2015)60 - 72
+Peul,W.C.	Brand,R., Thomeer,R.T.W.M., Koes,B.W. Improving prediction of “inevitable” surgery during non-surgical treatment of sciatica Pain 138 (2008a)571 - 6
+Peul,W.C.	Brand,R., Thomeer,R.T.W.M., Koes,B.W. Influence of gender and other prognostic factors on outcome of sciatica Pain 139 (2008b)180 - 91
+Peul,W.C.	van den Hout,W.B.,Brand,R., Thomeer,R.T.W.M., Koes,B. Prolonged conservative care versus early surgery in patients with sciatica caused by lumbar disc herniation: two year results of a randomized controlled trial BMJ 336 (2008)1355 – 8
+Peyron,R.	Garcia-Larrea,L., Gregoire,M.C., Costes,N., Convers,P., Lavenne,F., Maugeiere,F., Michel,D., Laurent,B. Haemodynamic pain responses to acute pain in humans: sensory and attentional networks Brain 122 (1999)1765 – 80
+Peyron,R.	Laurent,B., Garcia-Larrea,L. Functional imaging of brain responses to pain. A review and metaanalysis

- Neurophysiol Clin 30 (2000)263 – 88
- +Pezet,S Krzyzanowska,A., Wong,L.F., Grist,J., Mazarakis,N.D., Georgiewska,B., McMahon,S.B.
- Reversal of neurochemical changes and pain-related behavior in a model of neuropathic pain using modified lentiviral vectors expressing GDNF
- Mol Ther 13 (2006)1101 – 9
- +Pezet,S. Malcangio,M., McMahon,S.B.
- BDNF: a neuromodulator in nociceptive pathways?
- Brain Res Rev 40 (2002)240 – 9
- +Pezovicz,C.A. Robertson,P.A., Broom,N.D.
- The structural basis of interlamellar cohesion in the intervertebral disc wall
- J Anat 208 (2006)317 – 30
- Pezovicz,C.A. Schechtman,H., Robertson,P.A., Broom,N.D.
- Mechanisms of annular failure resulting from excessive intradiscal pressure: a microstructural-micromechanical investigation
- Spine 31 (2006)2891 – 903
- +Pfau,D.B. Klein,T., Putzer,D., Pogatzki-Zahn,E.M., Treede,R.D., Magerl,W.
- Analysis of hyperalgesia time in humans after painful electrical high-frequency stimulation identifies a possible transition from early to,late LTP-like pain plasticity
- Pain 152 (2011)1532 - 9
- +Pfeifer,A.C. Ehrental,J.C., Neubauer,E., Gerigk,C., Schiltenswolf.M.
- Einfluss des Bindungsverhaltens auf chronischen und somatoformen Schmerz
- Schmerz 30 (2016)444 - 56
- +Pfeifer,K. Einflussfaktoren und Wirkungen körperlicher Aktivität für die Entstehung und den Umgang mit Rückenschmerzen
- Schmerz 21 (2007)Suppl., 43

- Pfeiffer,M. Reviewers comment: Accuracy of the clinical examination to predict radiographic instability of the lumbar spine
Eur Spine J 14 (2005)751
- +Pfingsten,M. Was können psychologische Erkenntnisse zur Behandlung von Rückenschmerzen beitragen?
Orthop Praxis 35 (1999)288 – 96
- +Pfingsten,M. Multimodale Verfahren – auf die Mischung kommt es an!
Schmerz 15 (2001)492 – 8
- +Pfingsten,M. Psychologische Faktoren
In: Hildebrand,J., Müller,G., Pfingsten,M.: Lendenwirbelsäule, Elsevier, Urban & Fischer, München, 2005
- +Pfingsten,M. Präoperatives (psychologisches) Screening zur Identifikation von Risikofaktoren für einen negativen postoperativen Verlauf
Schmerz 21 (2007)Suppl., 11
- +Pfingsten,M. Beurteilung psychosozialer Faktoren: Wann Fragebogenscreening, wann psychologische Exploration?
Abstracts Deutscher Schmerzkongress 2008
Schmerz 22 (2008)Suppl 2: 99 - 100
- +Pfingsten,M. Psychologische Verfahren (Abstract)
Schmerz 23 (2009)Suppl.1: 10
- +Pfingsten,M. Flor,H., Nilges,P.
Psychologie und Schmerz in Deutschland. Rückblick und Ausblick
Schmerz 29 (2015)544 - 9
- +Pfingsten,M. Hildebrand,J.
Die Behandlung chronischer Rückenschmerzen durch ein intensives Aktivierungskonzept(GRIP) – eine Bilanz von 10 Jahren
Anästhesiol Intensivmed Notfallmed Schmerzther 36 (2001)580 – 9
- +Pfingsten,M. Hildebrand,J., Leibing,E., Leibing,E., Franz,C., Saur,P.

- Effectiveness of a multimodal treatment program for chronic low back pain
- Pain 73 (1997)77 – 85
- +Pfingsten,M. Hildebrand,J., Saur,P., Franz,C., Seeger,D.
- Das Göttinger Rücken Intensiv Program (GRIP). Ein multimodales Behandlungsprogram für Patienten mit chronischen Rückenschmerzen, Teil 4: Prognostik und Fazit
- Schmerz 11 (1997a)30 – 41
- +Pfingsten,M. Kröner-Herwig,B., Leibing,E., Kronshage,U., Hildebrandt,J
- Validation of the German version of the Fear-Avoidance Beliefs Questionnaire (FABQ)
- Eur J Pain 4 (2000)259 – 66
- +Pfingsten,M. Leibing,E., Franz,C., Bansemer,D., Busch,O., Hildebrandt,J.
- Erfassung der „fear avoiding beliefs“ bei Patienten mit Rückenschmerzen
- Schmerz 11 (1997)387 – 95
- Pfingsten,M. Müller,G.
- Vom Symptom zur Krankheit
- In: Hildebrand,J., Müller,G., Pfingsten,M.: Lendenwirbelsäule, Elsevier, Urban & Fischer, München, 2005
- +Pfingsten,M. Schöps,P.
- Chronische Rückenschmerzen: Vom Symptom zur Krankheit
- Z Orthop 142 (2004)146 – 52
- +Pfingsten,M. Schöps,P., Seeger,D., Seeger,D., Saur,P., Hahn,J., Hildebrandt,J.
- Training von Arbeitsbewegungen – notwendiger Bestandteil multimodaler Behandlungskonzepte für Patienten mit chronischen Rückenschmerzen
- Phys Med Rehab Kurort 11 (2001a)16 – 22 .
- +Pfingsten,M. Schöps,P., Wille,T., Terp,L., Hildebrandt,J.

	Chronifizierungsausmaß von Schmerzerkrankungen: Quantifizierung und Graduierung anhand des Mainzer Stadienmodells
	Schmerz 14 (2000)10 - 7
+Pfingsten,M.	Wendt,A., Kröner-Herwig,B., Lüder,S., Hildebrandt,J., Petzke,E.
	Hebefähigkeit bei Rückenschmerzen. Diskrepanz zwischen Selbsteinschätzung und tatsächlich gezeigter Hebefähigkeit bei Rückengesunden und Patienten mit Rückenschmerzen
	Schmerz 25 (2011)668 - 75
+Pfirrmann,C.W.	Metzdorf,A., Zanetti,M., Hodler,J., Boos,N.
	Magnetic resonance classification of lumbar intervertebral disc degeneration
	Spine 26 (2001)1873 - 8
+Pfluegler,G.	Kasper,J., Luedtke,K.
	The immediate effects of passive joint mobilisation on local muscle function. A systematic review of the literature
	Musculoskel Sci Pract 45 (2020)102106 doi.org/10.1016/j.msksp.2019.102106
+Pförringer,W.	Zur gesundheitspolitischen Relevanz des Kreuzschmerzes
	Manuelle Med 30 (1992)89 - 90
Pham,P.C.	et al.
	2017 update on pain management in patients with chronic kidney disease
	Clin Kid J 10 (2017)688 – 97 (Praxis-Depesche 12/2017)
+Pham-Marcou,T.A.	Beloeil,H., Sun,X., Gentili,M., Yaici,D., benoit,G., Benhamou,D., Mazoit,J-X.
	Antinociceptive effect of resveratrol in carrageenan-evoked hyperalgesia in rats: prolonged effect related to COX-2 expression impairment
	Pain 140 (2008)274 - 83
Pharmametrics	Pharmametrics GmbH. Was kostet uns der Rücken? Analyse der Krankheitskosten bei Rückenschmerzen (Cost of illness

	Studie). Freiburg: Pharmametrics, 1997 (zit. Hildebrandt, 2002)
Phelps,E.A.	Ledoux,J.E. Contributions of the Amygdala to emotion processing: from animal models to human behaviour Neuron 48 (2005)175 – 87 (zit. Neugebauer, 2007)
+Philadelphia Panel	Philadelphia panel evidence-based clinical practice guidelines on selected rehabilitation interventions for low back pain Phys Ther 81 (2001)1641 – 74
Philippidis,P.	Mason,J.C., Evans,B.J. et al. Hemoglobin scavenger receptor CD163 mediates interleukin-10 release and heme oxygenase-1 synthesis: anti-inflammatory monocyte-macrophage responses in vitro, in resolving skin blisters in vivo and after cardiopulmonary bypass surgery Circ Res 94 (2004)119 – 26 (zit. Nakazawa et al., 2018)
Philips,H.C.	Avoidance behaviour and its role in sustaining chronic pain Behav Res Ther 25 (1987)273 – 9 (zit. den Boer et al., 2006, nach Hasenbring et al., 2006, aber 365 – 77!)
Philips,H.C.	Thoughts provoked by pain Behav Res Ther 27 (1989)469 – 73 (zit. Holmes & Goburdhum, 2007)
Philips,H.C.	Grant,L. The evolution of chronic back pain problems: a longitudinal study Behav Res Ther 29 (1991)435 – 41 (zit. Grotle et al., 2006)
Philips,H.I.	The psychological management of chronic pain – a treatment manual New York: Springer 1988, p.226 (zit. Jensen, 2005)
+Phillips,D.R.	Twomey,L.T. A comparison of manual diagnosis with a diagnosis established by a uni-level lumbar spinal block procedure Man Ther 2 (1996)82 – 7

- Phillips,H. The Chiropractic Paradigme
J Chiropract Educ 15 (2001)49 – 62 (zit. Simpson, 2012)
- (-)Pi, T. Chung,Y.
Immediate effect of flexion-distraction spinal manipulation on intervertebral height, pain, and spina mobility in patients with lumbar degenerative disc disease
Phys Ther Rehab Sci 10 (2021)235 – 42
doi.org/10.14474/ptrs.2021.10.2.235
- +Picavet,H.S.J. Berentzen,N., Scheuer,N., Ostelo,R.W.J.G., Brunekreel,B., Smit,H.A., Wijga,A.
Musculoskeletal complaints while growing up fom age 11 to age 14: the PIAMA birth cohort study
Pain 157 (2016)2826 - 33
- +Picavet,H.S.J. Schouten,J.S.A.G.
Musculoskeletal pain in the Netherlands: prevalences, consequences and risk groups, the DMC3-study
Pain 102 (2003)167 – 78
- +Picavet,H.S.J. Struijs,J.N., Westert,G.P.
Utilisation of health resources due to low back pain: survey and registered data compared
Spine 33 (2008)436 – 44
- +Picavet,H.S.J. Wendel-Vos,G.C.W.
Use it or lose it – but how to use? Commentary
Pain 152 (2011)2198 - 9
- +Picchiottino,M. Leboeuf-Yde,C., Gagey,O., Hallman,D.M.
The acute effects of joint manipulative techniques on markers of autonomic nervous system activity: a systematic review and meta-analysis of randomized sham-controlled trials
Chiropr Man Ther 27 (2019)17 doi.org/10.1186/s12998-019-0235-1
- +Pickar,J.G. Time course for the development of muscle history in lumbar paraspinal muscle spindles arising from changes in vertebral position

- Spine J 8 (2008)320 - 8
- +Pickar,J.G. Bolton,P.S.
- Spinal manipulative therapy and somatosensory activation
- J Electromyogr Kinesiol 22 (2012)785 - 94
- Pickar,J.G. Kang,Y.M.
- Paraspinal muscle spindle responses to the duration of a spinal manifestation under force control
- J Manipulative Physiol Ther 29 (2006)22 – 31
doi.org/10.1016/j.jmpt.2005.11.14
- +Pickar,J.G. Wheeler,J.D.
- Response of muscle proprioceptors to spinal manipulative-like loads in the anesthetized cat
- J Manipulative Physiol Ther 24 (2001)2 - 11
- +Pieber,K. Sport als Schädigungsfaktor für die Wirbelsäule
- Manuelle Med 56 (2018)67 - 70
- +Pieber,K. Kreuzschmerz. Aus dem Blickwinkel der Physikalischen Medizin und allgemeinen Rehabilitation
- Sportaerztezeitung 8 (2022)4: 4 - 6
- Pieber,K. Herceg,M., Quittan,M., Csapo,R., Müller,R., Wiesinger,G.F.
- Long-term effects of an outpatient rehabilitation program in patients with chronic recurrent low back pain
- Eur Spine J 23 (2014)779 – 85 (zit. Pieber, 2022)
- Pieber,K. Stein,K.V., Herceg,M., Rieder,A., Fialka-Moser,V., Dorner,T.E.
- Determinants of satisfaction with individual health in male and female patients with chronic low back pain
- J Rehab Med 44 (2012)658 – 63 (zit. Pieber, 2022)
- +Pieh,C. Altmeppen,J., Neumeier,S. et al.
- Gender differences in outcomes of a multimodal pain management program
- Pain 153 (2012)197 - 202
- +Piehler,P. Neuraltherapie in der Gastroenterologie

	Erfahrungsheilkunde 62 (2013)1: 23 - 7
(-)Pieper,H.G.	Schneider,A., Wolf,U. Muskuläre Dysbalancen bei Leistungsschwimmern und daraus resultierende Sportschäden an LWS und Kniegelenken Sportverl Sportschad 3 (1989)29 – 31 (zit. Esser, 2017)
+Piepoli,M.	Clark,A.I., Volterrani,M., Adamopoulos,S., Sleight,P., Coats,A.J.S. Contribution of muscle afferents to the hemodynamic, autonomic and ventilatory responses to exercise in patients with chronic heart failure Circulation 93 (1996)940 – 52
+Piera,V.	Rodriguez,C., Cobos,A. Hernandez,A., Cobos,P. Morphology of the lumbar vertebral canal Acta Anat 131 (1988)35 – 40
+Pietrek,M.	Papavero,L. Vermeidung einer postoperativen Chronifizierung von Rückenschmerzen aus Sicht des Operateurs (Bandscheibenoperationen) Schmerz 21 (2007)Suppl., 11
--Pietri,F.	Leclerc,A., Boitel,L. et al. Low back pain in commercial travellers Scand J Work Environ Health 18 (1992)52 -8 (zit Shiri et al., 2016)
+Pietzsch,A.	Verspannt Muskeln – angespannte Psyche: Behandlung von Patienten mit chronischer Schmerzstörung in der orthopädischen Rehabilitation Manuelle
+Piguet,V.	Cedraschi,C., Dumont,P., Desmeules,J., Allaz,A.F., Dayer,P. Patients' representation of antidepressants: a clue to nonadherence? Clin J Pain 23 (2007)669 - 75
+Pihl,E.	Matsin,T., Jurimae,T.

- Physical activity, musculoskeletal disorders and cardiovascular risk factors in male physical education teachers
- J Sports Med Phys Fitness 42 (2002)466 – 71
- +Pike,A. Hearn,L., Williams, A.C.de C.
- Effectiveness of psychological interventions for chronic pain on health care use and work absence: systematic review and meta-analysis
- Pain 157 (2016)777 - 85
- +Pillastrini,P. Gardenghi,I., Bonetti,F., Capra,F., Guccione,A., Mugnai,R., Violante,F.S.
- An updated overview of clinical guidelines for chronic back pain management in chronic low back pain
- J Bone Spine 79 (2012)176 – 85
doi.org/10.1016/j.jbspin.2011.03.019
- +Pincus,T. Burton,A.K., Vogel,S., Field,A.P.
- A systematic review of psychological factors as predictors of chronicity/disability in prospective cohorts of low back pain
- Spine 27 (2002) E109 – 20
- +Pincus,T. Foster,N.E., Vogel,S., Santos,R., Breen,A., Underwood,M.
- Attitudes to back pain amongst musculoskeletal practitioners : a comparison of professional groups and practice settings using the ABS-mp
- Man Ther 12 (2007a)167 – 75
- +Pincus,T. Greenwood,L., McHarg,E.
- Advising people with back pain to take time off work : A survey examining the role of private musculoskeletal practitioners in the UK
- Pain 152 (2011)2813 - 8
- +Pincus,T. Holt,N., Vogel,S., Underwood,M., Savage,R., Walsh,D.A., Taylor,S.J.C.
- Cognitive and affective reassurance and patient outcomes in primary care: a systemic review
- Pain 154 (2013)2407 - 16

- +Pincus,T. Kent,P., Bronfort,G., Loisel,P., Pransky,G., Hartvigsen,J.
Twenty-five years with the biopsychosocial model of low back pain – is it time to celebrate? A report from the twelfth international forum for primary care research on low back pain
Spine 38 (2013a)2118 - 23
- +Pincus,T. Rusu,A., Santus,R.
Responsiveness and construct validity of the depression, anxiety, and positive outlook scale (DAPOS)
Clin J Pain 24 (2008)431 - 7
- +Pincus,T. Santos,R., Morley,S.
Depressed cognitions in chronic pain patients are focused on health: Evidence from a sentence completion task
Pain 130 (2007)84 – 92
- +Pincus,T. Smeets,R.J.E.M., Simmonds,M.J., Sullivan,M.J.L.
The fear avoidance Model disentangled: Improving the clinical utility of the fear avoidance model
Clin J Pain 26 (2010)739 - 46
- +Pincus,T. Vogel,S., BreenA., Foster,N., Underwood,M.
Persistent low back pain - why do physical therapy clinicians continue treatment?
Eur J Pain 10 (2006a)67 – 76
- +Pincus,T. Vogel,S., Burton,A.K., Santos,R., Field,A.P.
Fear-avoidance and prognosis in back pain: a systematic review and synthesis of current evidence
Arthrit Rheum 54 (2006)3999 – 4010
- +Pincus,T. Williams,A.
Models and measurements of depression in chronic pain
J Psychosom Res 47 (1999)211 – 9
- +Pincus,T. Vogel,S., Santos,R., Breen,A., Foster,N., Underwood,M.
The Attitudes to Back Pain Scale in musculoskeletal practitioners (ABS-mp)

	Clin J Pain 22 (2006)378 – 86
Pineyro,G.	Archer-Lahlou,E. Ligand-specific receptor states: implications for opiate receptor signaling and regulation Cell Signal 19 (2007)8 – 19 (zit. Finkel & Pukish, 2019)
+Pineheiro,M.B.	Ferreira,M.L., Refshauge,K., Colondro-Conde,L., Carrilo,E., Hopper,J.L., Ordonana,J.R., Ferreira,P.H. Genetics and the environment affect the relationship between depression and low back pain: a co-twin control study of spanish twins Pain 156 (2015)496 – 503
+Pineheiro,M.B.	Ferreira,M.L., Refshauge,K., Colondro-Conde,L., Gonzalez-Javier,F., Hopper,J.L., Ordonana,J.R., Ferreira,P.H. Symptoms of depression and risk of low back pain Clin J Pain 33 (2017)777 - 85
+Pineheiro,M.B.	Ferreira,M.L., Refshauge,K., Maher,C.G., Ordonana,J.R., Andrade,T.B., Tsathas,A., Ferreira,P.H. Symptoms of depression as a prognostic factor for low back pain: a systematic review Spine J 16 (2016)105 - 16
+Pipelzadeh,M.H.	Naylor,I.L. The in vitro enhancement of rat myofibroblast contractility by alteration to the pH of the physiologic solution Eur J Pharmacol 357 (1998)257 – 9
+Pinski,S.E.	King,K.B., Davidson,B.S., Zhou,B.H. Lu,Y., Salomonov,M. High frequency loading of lumbar ligaments increases proinflammatory cytokine expression in a feline model of repetitive musculoskeletal disorder Spine J 10 (2010)1078 - 85
Pinter,E.	Helyes,Z., Szolcsanyi,J. Inhibitory effect of somatostatin on inflammation and nociception

- Pharm Therap 112 (2006)440 – 56 (zit Segond von Banchet, 2008)
- +Pioch,E. Seidel,W.
Manuelle Medizin bei chronischen Schmerzen: Evaluation eines stationären Behandlungskonzepts
Schmerz 17 (2003)34 – 43
- +Pioch,E. Seidel,W.
Manuelle Medizin in der Behandlung chronischer Schmerzsyndrome. Zwei-Jahres-Katamnese zu einem Behandlungskonzept im Krankenhaus (nichtoperative Orthopädie und Schmerztherapie)
Manuelle Med 41 (2003a)92 - 104
- +Pionelli,D. A thickening network of lipids (commentary)
Pain 153 (2012)3 - 4
- +Pippig,T.M. Degenerative Veränderungen der Wirbelsäule bei Piloten. MRT-Befunde der Wirbelsäule und Nebenfunde bei beschwerdefreien Piloten
Flug Reisemed 22 (2015)228 - 33
- +Pippig,T.M. MRT-Veränderungen der Wirbelsäule bei asymptomatischen Pilotenanwärtern. Teil 1: Lendenwirbelsäule
Flug Reisemed 23 (2016)64 - 72
- +Pieraut,S. Laurent-Matha,V., Sar,C., Hubert,T., Mechaly,I., Hilaire,C., Mersel,M., Delpire,E., Valmier,J., Scamps,F
NKCC1 phosphorylation stimulates neurite growth of injured adult sensory neurons
J Neurosci 27 (2007)6751 – 9
- +Pinto,C.B. Bielefeld,J., Barroso,J., Yip,B., Huang,L., Schnitzer,T., Apkarian,A.V.
Chronic pain domains and their relationship to personality, abilities, and brain networks
Pain 164 (2023)59 – 71
doi.org/10.1097/j.pain.0000000000002657
- +Pirec,V. Laurito, C.E., Lu,Y., Yeomans,D.C.

- The combined effects of N-type calcium channel blockers and morphine on A delta versus C fiber mediated nociception
Anesth Analg 92 (2001)239 – 43
- +Pisani,A. Gubellini,P., Bonsi,P., Conquet,F., Picconi,B., Centonze,D., Bernardi,G., Calabresi,F.
Metabotropic glutamate receptor 5 mediates the potentiation of N-methyl-D-aspartate responses in medium spiny striatal neurons
Neuroscience 106 (2001)579 – 87
- +Pischinger,A. Heine,H.
Das System der Grundregulation
13. Aufl., Stuttgart: Thieme, 2021
- +Pitkänen,A. Pikkarainen,M., Norminen,N., Ylinen,A.,
Reciprocal connections between the amygdala and the hippocampal formation, perirhinal cortex and postrhinal cortex in the rat. A review
Ann N Y Acad Sci 911 (2000)369 – 91
- +Pitkänen,A. Pikkarainen,M., Nurminen,N., Ylinen,A.
Organisation of intra-amygdaloid circuitries: an emerging framework for understanding functions of the amygdala
Trends Neurosci 20 (1997)517 – 23
- Pittig,A. Dehler,J.
Same fear responses, less avoidance: rewards competing with aversive outcomes do not buffer fear acquisition, but attenuate avoidance to to accelerate subsequent fear extinction
Behav Res Ther 112 (2019)1 – 11
doi.org/10.1016/j.brat.2018.11.003
- Pittig,A. Hengen,K., Bublatzky,F., Alpers,G.W.
Social and monetary incentives counteract fear-driven avoidance: evidence from approach-avoidance decisions
Behav Res Ther Exp Psy 60 (2018)69 – 77
doi.org/10.1016/j.btep.2018.04.002

- +Pittler,M.H. Alternative Schmerztherapie: Wirksamkeit statischer Magneten
MMW-Fortschr Med 151 (2009)3-4: 33 - 35
- Pirri,C. Caroccia,B., Angelini,A., Piazza,M., Petrelli,G., Montemurro,C., Ruggieri,P., de Caro,R., Stecco,C.
A new player in the mechanobiology of deep fascia:yes-associated protein (YAP)
Int J Mol Sci 24 (2023)15389
doi.org/10.3390/ijms242015389
- +Pizzutillo,P.D. Hummer,C.D.
Nonoperative treatment for painful adolescent spondylolysis or spondylolisthesis
J Pediatr Othop 9 (1989)538 - 40
- +Pizzutillo,P.D. Mirenda,W., MacEwen,G.D.
Posterolateral fusion for spondylolisthesis in adolescence
J Pediatr Orthop 6 (1986)311 – 6
- +Plank,A. Rushton,A., Ping,Y., Mei,R., Falla,D., Heneghan,N.R.
Exploring expectations and perceptions of different manual therapy techniques in chronic low back pain: a qualitative study
BMC Musculoskel Disord 22 (2021)444
doi.org/10.1186/s12891-021-04251-3
- +Plass,D. Vos,T., Homberg,C., Scheidt-Nave,C., Zeeb,H., Krämer,A.
Entwicklung der Krankheitslast in Deutschland. Ergebnisse, Potenziale und Grenzen der Global Burden of Disease – Studie
Dt Ärztebl 111 (2014)629 - 38
- +Plastaras,C. McCormick,Z.L., Garvan,C., Macron,D., Joshi,A., Chimes,G., Smeal,W., Rittenberg,J., Kennedy,D.J.
Adverse events associated with fluoroscopically guided lumbosacral transforaminal epidural steroid injections
Spine J 15 (2015)2157 - 65

- +Platen,P. Höher – weiter – schneller. Ausdauertraining, Krafttraining und Effekte von Hypoxie: molekulare Mechanismen und individuelle Trainingsvariablen
Sportverl Sportschad 30 (2016)139 - 42
- +Plato,G. Kopp,S.
Kiefergelenk und Schmerzsyndrome
Manuelle Med 37 (1999)143 – 51
- +Plato,G. Weiler,E., Kopp,S.
Änderungen im EEG nach manueller/osteopathischer Therapie und Atlas-Impulstherapie nach Arlen während der Therapie mit Aufbissbehelfen
Manuelle Med 55 (2017)217 - 24
- +Pletcher,M.J. Kertesz,S.G., Sidney,S., Kiefe,C.I., Hulley,S.B.
Incidence and antecedence of nonmedical prescription opioid use in four US communities. The Coronary Artery Risk Development in Young Adults (CARDIA) prospective cohort study
Drug Alcohol Depend 85 (2006)171 – 6
- +Ploghaus,A. Tracey,I., Gati,J.S., Clare,S., Menon,R.S., Matthews,P.M.,Nicholas,J. Rawlins,P.
Dissociating pain from its anticipation in the human brain
Science 284 (1999)1879 – 81
- +Ploghaus,A. Becerra,l., Borras,C., Borsook,D.
Neural circuitry underlying pain modulation: expectation, hypnosis, placebo
Trends Cognitive Sci 7 (2003)197 – 200
- Plotkin,B.J. Rodos,J.J., Kappler,R., Schrage,M., Freydl,K., Hasegawa,S., et al
Adjunctive osteopathic manipulative treatment in women with depression: a pilot study
JAOA 101 (2001)517 – 23 (zit. McPartland et al., 2005)
- Plomin,R. De Fries,J.C., Craig,I.W., McGuffin,P.

Behavioral genetics in the postgenetic era

Washington: American Psychological Association, 2006 (zit. Nielsen et al., 2008)

- Ploner,M. Interaktionen zwischen Aufmerksamkeit und Schmerz
Schmerz 21 (2007)Suppl., 9
- +Ploner,M. Lee,M.C., Wiech,K., Bingel,U., Tracey,I.
Prestimulus functional connectivity determines pain perception in humans
Proc Natl Acad Sci USA 107 (2010)355 – 60
- +Ploner,M. Lee,M.C., Wiech,K., Bingel,U., Tracey,I.
Flexible cerebral connectivity patterns subserve contextual modulation of pain
Cereb Cortex 21 (2011) 719 – 26
- +Ploumis,A. Transfledt,E.E., Denis,F.
Degenerative lumbar scoliosis associated with spinal stenosis
Spine J 7 (2007)428 - 36
- +Pluijm,S.M. van Essen,H.W., Bravenboer,N., Uitterlinden,A.G., Smit,J.H., Pols,H.A.P., Lips,P.
Collagen type I alpha Sp 1 polymorphism, osteoporosis, and intervertebral disc degeneration in older men and women
Ann Rheum Dis 63 (2004)71 – 7
- +Plunkett,A. Beltran,T., Haley,C., Kurihara,C., McCoart,A.,Chen,L., Wilkinson,I., Cohen,S.P.
Acupuncture for the treatment of chronic pain in the military population. Factors associated with treatment outcomes
Clin J Pain 33 (2017)939 - 43
- +Pluntke,C. Arbeitsplatznahes präventives Training der die Wirbelsäule stabilisierenden Muskulatur
Manuelle Med 50 (2012)34 - 42
- Pocovi,N.C. Chung-Wie,C.L., Latimer,J., French,S.D., Graham,P.L., van Dongen,J.M., Latimer,J.

- Effectiveness and cost-effectiveness of an individualized, progressive walking and education intervention for the prevention of low back pain recurrence in Australia (WalkBack): A randomized controlled trial
- Lancet 404 (2024) 10448:134 - 44 doi.org/10.1016/S0140-6736(24)00755-4
- (-)Pocovi,N.C. de Campos,T.F., Lin,C.W.C., Merom,D., Tidemann,A., Hancock,M.J.
- Walking, cycling, and swimming for nonspecific low back pain: a systematic review with meta-analysis
- J Orthop Sports Phys Ther 52 (2022)2: 85 – 99
doi.org/10.2519/jospt.2022.10612
- +Podhajsky,R.J. Belous,A., Johnson,K., Maul,D.H., Finch,P.M.
- Effects of monopolar radiofrequency heating on intradiscal pressure in sheep
- Spine J 7 (2007)229 – 34
- +Pogatzki-Zahn,E. Hormones and pain – a “rebirth”. (Commentary)
- Pain 154 (2013)495 - 6
- +Pohjolainen,T. Jekunen,A., Autio,L., Vuorela,H.
- Treatment of acute low back pain with the COX-2-selective anti-inflammatory drug nimesulide: results of a randomized, double-blind comparative trial versus ibuprofen
- Spine 25 (2000)1579 – 85
- +Poiraudreau,S. Rannou,F., Baron,G., le Henanff,A., Coudeyre,E., , Rozenberg,S., Huas,D., Martineau,C., Jolivet-Landreau,I., Garcia-Mace,J., Revel,M., Ravaud,P.
- Fear-avoidance beliefs about back pain in patients with subacute low back pain
- Pain 124 (2006)305 – 11
- +Poisbeau,P. Patte-Mensah,C., Keller,A.F., Barrot,M., Breton,J.D., Luis-Delgado,O.E., Freund-Mercier,M.J., mensah-Nyagan,A.G., Schlichter,R
- Inflammatory pain upregulates spinal inhibition via endogenous neurosteroid production

- J Neurosci 25 (2005)11768 – 76
- +Poitras,S. Blais,R., Swaine,B., Rossignol,M.
- Management of work-related low back pain : a population based survey of physical therapists
- Phys Ther 85 (2005)1168 – 81
- +Poitras,S. Brosseau,L.
- Evidence-informed management of chronic low back pain with transcutaneous electrical nerve stimulation, interferential current, electrical muscle stimulation, ultrasound and thermotherapy
- Spine J 8 (2008)226 - 33
- +Poitras,S. Durand,M.J., Cote,A.M., Tousignant,M.
- Guidelines on low back pain disability. Interprofessionelcomparison of use between general practitioners, occupational therapists and physiotherapists
- Spine 37 (2012)1252 - 9
- +Polatin,P.B. Kinney,R.K., Gatchel,R.J., Lillo,E., Mayer,T.G.
- Psychiatric illness and chronic low back pain
- Spine 18 (1993)66 – 77
- +Polgar,E. Fowler,J.H., McGill,M.M., Todd,A.J.
- The types of neuron which contain protein kinase C gamma in rat spinal cord
- Brain Res 833 (1999)71 – 80
- +Polgar,E. Sardella,T.C.P., Tiong,S.Y.X., Locke,S., Watanabe,M., Todd,A.J.
- Functional differences between neurochemically defined populations of inhibitory interneurons in the rat spinal dorsal horn
- Pain 154 (2013)2606 - 15
- Pollard,C.A. Preliminary validity study of the Pain Disability Index
- Percept Mot Skills 59 (1984)974 (so zit Cook et al., 2006)
- +Pollintine,P. van Tunen,M.S.L.M., Luo,J., Brown,M.D., Dolan,P., Adams,M.A.

- Time-dependent compressive deformation of the ageing spine
Spine 35 (2010)386 - 94
- +Pollo,A. Amanzio,M., Arslanian,A., Casadio,C., Maggi,G., Benedetti, F.
Response expectancies in placebo analgesia and their clinical relevance
Pain 93 (2001)77 – 84
- +Pollock,J. McFarlane,S.M., Connell,M.C., Zehavi,U., Vandenabeele,P., MacEwan,D.J., Scott,R.H.
TNF alpha receptors simultaneously activate Ca++ mobilisation and stress kinases in cultured sensory neurons
Neuropharmacology 42 (2002)93 – 106
- +Pollock,M.L. Gaesser,G.A., Butcher,J., Despres,J.P., Dishman,R.K., Franklin,B.A., Garber,C.E.
ACSM position stand: the recommended quantity and quality of exercise for developing and maintaining cardiorespiratory and muscular fitness, and flexibility in healthy adults
Med Sci Sports Exercise 30 (1998)975 - 91
- +Pollock,M.L. Leggett,S., Graves,J., Jones,A., Fulton,M., Cirulli,J.
Effect of resistance training on lumbar extension strength
Am J Sports Med 17 (1989)624 – 9
- Polly,D.W. Carey,T.S., Kostuik,J.P., Kwon,B., Resnick,D.K., Watters,W.C., Weinstein,J.N., White,A.P., Zdeblick,T.A., Andersson,G.B.J.
Introduction to the focus issue on advocacy
Spine 32 (2007)Suppl to Number 11: S1
- +Pomeranz,B. Cheng,R., Law,P.
Acupuncture reduces electrophysiological and behavioural responses to noxious stimuli: pituitary is implicated
Exp Neurol 54 (1977)172 – 8
- +Pomeranz,B. Chiu,D.
Naloxone blockade of acupuncture analgesia: endorphin implicated

- Life Sci 19 (1976)1757 – 62
- Pompeiano,O. et al. Response of Renshaw cells in sinusoidal stretch of hind limb extensor muscles
Arch Ital Biol 113 (1975)205 – 237 (zit. Desmoulin et al., 2007)
- +Ponkilainen,V.T. Mäntymäki,H., Huttunen,T.T., Mattila,V.M.
Decreasing incidence of lumbar discectomy surgery in Finland in 1997 – 2018
Spine 46 (2021)383 – 90
doi.org/10.1097/BRS.0000000000003790
- (-)Ponna,V. Talsma,J., Pierce-Talsma,S.
Osteopathic manipulative treatment for low back pain
J Am Osteop Ass 120 (2020)e84 - 5
- +Pool-Goudzwaard,A. Hoek van Dijke,G., Mulder,O., Spoor,C., Snijders,C., Stoeckart,R.
The iliolumbar ligament: its influence on stability of the sacroiliac joint
Clin Biomech 18 (2003)99 – 105
- +Pool-Goudzwaard,A. Kleinrensink,G.J., Snijders,C.J., Entius,C., Stoeckart,R.
The sacroiliac part of the iliolumbar ligament
J Anat 199 (2001)457 – 63
- +Poole,H. Bramwell,R., Murphy,P.
Factor structure of the beck depression inventory-II in patients with chronic pain
Clin J Pain 22 (2006)790 – 8
- +Poole,H. Glenn,S., Murphy,P.
A randomized controlled study of reflexology for the management of chronic low back pain
Eur J Pain 11 (2007)878 – 87
- +Poole,H. White,S., Blake,C., Murphy,P., Bramwell,R.
Depression in chronic pain patients: Prevalence and measurement

- Pain Practice 9 (2009)173 - 80
- +Pope,J.E. Deer,T., Bruel,B.M., Falowski,S.
- Clinical uses of intrathecal therapy and its placements in the pain care administration
- Pain Pract 16 (2016)1092 - 1106
- +Pope,M.H. Bevins,T., Wilder,D.G., Frymoyer,J.W.
- The relationship between anthropometric, postural, muscular, and mobility characteristics of males aged 18 – 55
- Spine 10 (1985)644 – 8
- +Pope,M. . Phillips,R.D., Haugh, L.D., Hsieh,L.D., MacDonald,L., Haldeman,S
- A prospective, randomized three-week trial of spinal manipulation, transcutaneous muscle stimulation, massage and corset in the treatment of subacute low back pain
- Spine 19 (1994)2571 – 7
- Pope,R.E. –n- The common compensatory pattern: its origin and relationship to the postural model
- Am Acad Osteopath J 14 (2003)Winter: 19 – 40 (zit. McPartland et al., 2005)
- Pöppel,E. Schmidt,G.
- Schmerz: Eine neuronale These über Repräsentation eines subjektiven Phänomens
- Schmerz 9 (1995)173 – 8 (zit. Weiss & Milner, 2007)
- Popelianskii,I. Bobrovnikova,T.I.
- Das Syndrom des Priformismuskels und lumbaler discogener Radikulitis (russisch)
- Zh Nevropatol Psikhiatr 68 (1968)656 – 62 (zit. Cummings, 2000)
- +Popescu,A. LeResche,L., Truelove,E.L., Drangsholt,M.T.
- Gender differences in pain modulation by diffuse noxious inhibitory controls: a systematic review
- Pain 150 (2010)309 - 18

- +Popovic,A. Kuhn,M., Pezawas,L.
Chronische Schmerzen aus psychiatrischer Sicht.
Neurobiologie und Therapie
Manuelle Med 51 (2013)47 - 52
- +Popovich,J.M.,Jr. Welcher,J.D., Hedman,T.P., Tawackoli,W., Anand,N.,
Chen,T.C., Kulig,K.
Lumbar facet joint and intervertebral disc loading during
simulated pelvic obliquity
Spine J 13 (2013)1581 - 9
- +Porreca,F. Nociceptors, the spinal dorsal horn, and descending
mechanisms
In: Tracey,I. (ed.) Pain 2012, Refresher Courses, 14th World
Congress on Pain, IASP Press Seattle, 2012, S. 3 - 14
- +Porreca,F. Burgess,S.E., Gardell,L.R., Vanderah,T.W., Malan,T.P.,
Ossipow,M.H. et al.
Inhibition of neuropathic pain by selective ablation of
brainstem medullary cells expressing the mu-opioid receptor
J Neurosci 21 (2001)5281 – 8
- +Porreca,F. Ossipov,M.H., Gebhart,G.F.
Chronic pain and medullary descending facilitation
Trends Neurosci 25 (2002)319 – 25
- +Porst,M. von der Lippe,E., Leddin,J., Anton,A., Wengler,A.,
Breitkreuz,J., Schüssel,K., Brückner,G. und weitere 15
Autoren
Krankheitslast in Deutschland und seinen Regionen.
Ergebnisse zu den « disability-adjusted life years » aus der
Studie BURDEN 2020
Dt Ärztebl 119 (2022)785 – 92
doi.org/10.3238/arztebl.m2022.0314
- Portal,A. Cours d'Anatomie Medicale ou Elements de l'Anatomie de
l'Homme
Paris, Baudoin, 1803 (zit. Steinke et al., 2010)
- Portenoy,R.K. Chronic opioid therapy in non-malignant pain

	J Pain Symptom Manage 5 (1990)S 46 – 62 (zit. Hojsted & Sjogren, 2007)
Portenoy,R.K.	Foley,K.M.
	Chronic use of opioid analgesics in non-malignant pain: report of 38 cases
	Pain 25 (1986)171 – 86 (zit. Rashid et al., 2003)
+Porter,L.S.	Davis,D., Keefe,F.J.
	Attachment and pain: recent findings and future directions
	Pain 128 (2007)195 -8
Porter,R.	Vascular compression theory
	In: Gunzburg,R., Szpalski,M. (eds) Lumbar spinal stenosis. Lippincott, Williams & Wilkins, Philadelphia, 2000 (zit. van Roy et al., 2001)
Porter,R.W.	Spinal stenosis and neurogenic claudication
	Spine 21 (1996)2046 – 51 (zit. Yaksi et al., 2007)
+Porter,R.W.	Adams,M.A., Hutton,W.C.
	Physical activity and the strength of the lumbar spine
	Spine 14 (1989)201 – 3
+Porter,R.W.	Bewley,B.
	A ten-year prospective study of vertebral canal size as a predictor of back pain
	Spine 19 (1994)173 - 5
Porter,R.W.	Ward,D.
	Cauda equina dysfunction: the significance of two-level pathology
	Spine 17 (1992)9 – 15
Porterfield,J.	DeRosa,C.
	Mechanical low back pain, perspectives in functional anatomy
	2 nd ed. Philadelphia, W.B.Saunders, 1991, 75 – 6 (zit. Jordan, 2006)

Portney,L.	Watkins,M.P.
	Foundations of clinical research – Application to practice, (vol. 5), 2 nd ed., Upper Saddle River,N.J., Prentice Hall Health, 2000 (zit. Peeler & Anderson, 2007)
+Posadzki,P.	Ernst,E.
	Osteopathy for musculoskeletal pain patients: a systematic review of randomized controlled trials
	Clin Rheumatol 30 (2011)285 – 91
+Posadzki,P.	Ernst,E.
	Yoga for low back pain: a systematic review of randomized clinical trials
	Clin Rheumatol 30 (2011)1257 - 62
+Pose,B.	Sangha,O., Peters,A., Wildner,M.
	Validierung des North American Spine Society Instrumentes zur Erfassung des gesundheitsstatus bei Patienten mit chronischen Rückenbeschwerden
	Z Orthop 137 (1999)437 - 41
(-)Posluszny,M.O.	Waszak,M.M.
	The influence of sacroiliac joint mobilisation on changes in the values of the center of pressure in the process of maintaining static body balance
	J Manipul Physiol Ther 44 (2021)408 – 15 doi.org/10.1016/j.jmpt.2021.05.003
+Postacchini,F.	Facchini,M., Palieri,P.
	Efficacy of various forms of conservative treatment in low- back pain: a comparative study
	Neuro Orthopedics 61 (1988)28 – 35
+Postacchini,F.	Familial predisposition to discogenic low-back pain. An epidemiologic and immunogenetic study
	Spine 13 (1988b)1403 – 6
+Postacchini,F.	Gumina,S., Cinotti,G., DeMartino,C.
	Ligamenta flava in lumbar disc herniation and spinal stenosis

- Spine 8 (1994)917 – 22
- Potter,N.A. Rothstein,J.M.
- Intertester reliability for selected clinical test of the sacroiliacal joint
- Phys Ther 65 (1985)1671 – 5 (zit. Buchowski et al., 2005)
- (+)Potthoff,T. de Bruin,E.D., Rosser,S., Humphreys,B.K., Wirth,B.
- A systematic review on quantifiable physical risk factors for non-specific adolescent low back pain
- J Ped Rehab Med 11 (2018)79 – 94
doi.org/10.3233/PRM-170526
- +Porro,C.A. Open mind to placebo conditioning (commentary)
- Pain 145 (2009)2 – 3
- +Poulain,C. Kerneis,S., Rozenberg,S , Fuatrel,B., Bourgeois,P., Foltz,V.
- Long-term return to work after a functional restoration program for chronic low back pain patients
- Eur Spine J 19 (2010)1153 – 61
- (+)Pourahmadi,M.R. Jannati,E., Takamjani,I.E., Sarrafzadeh,J., Mohsenifar,H.
- Effect of elastic taping on abdominal muscle endurance in patients with chronic nonspecific low back pain: a randomized, controlled, single-blind, crossover trail
- J Manipul Physiol Ther (2018) in press;
doi.10.1016/j.jmpt2017.10.019
- (+)Pourahmadi,M.R. Mohsenifar,H., Dariush,M., et al
- Effectiveness of mobilisation with movement (Mulligan concept) on low back pain: a systematic review
- Clin Rehab (2018), erste Publikation 30.5.;
doi/pdf/10.1177/0269215518778321
- +Pouriesa,M. Fouladi,R.F., Mesbahi,S.
- Disproportion of endplates and the lumbar intervertebral disc herniation
- Spine J 13 (2013)402 - 7
- +Poveda,L. Hottinger,M., Boos,N., Wuertz,K.

- Peroxynitrite induces gene expression in intervertebral disc cells
- Spine 34 (2009)1127 - 33
- +Powell,M.C. Wilson,M., Szypryt,P., Symonds,E.M., Worthington,B.S.
- Prevalence of lumbar disc degeneration observed by magnetic resonance in symptomless women
- Lancet (1986)2: 1366 – 7
- +Power,A. Brown,C.A., Sivan,M., Ierton,A., Rainey,T., El-Deredy,W., Jones,A.K.P., Watson,A.
- Individuals with chronic pain have the same response to placebo analgesia as healthy controls in terms of magnitude and reproducibility
- Pain 161 (2020)2720 – 30
doi.org/10.1097/j.pain.0000000000001966
- +Power,C. Frank,J., Hertzman,C., Schierhout,G., Li,L.
- Predictors of low back pain onset in a prospective British study
- Am J Public Health 91 (2001)1671 – 8
- +Pradhan,B.B. Evidence-informed management of chronic low back pain with watchful waiting
- Spine J 8 (2008)253 - 7
- +Prange,S. Schmitz,A., Schulze-Bertelsbeck,D., Wallny,T., Schumpe,G., Schmitt,O.
- Ultraschalltopometrische Erfassung des Brustkyphose- und Lendenlordosewinkels bei haltungsschwachen und haltungsnormalen Schulkindern
- Z Orthop 140 (2002)160 – 4
- +Pransky,G. Borkan,J.M., Young,A.E., Cherkin,D.C.
- Are we making progress? The tenth international forum for primary care research on low back pain
- Spine 36 (2011)1608 – 14
- +Pransky,G. Buchbinder,R., Hayden,J.

	Contemporary low back pain research – and implications for practice
	Best Pract Res Clin Rheumatol 24 (2010)291 – 8
+Pransky,G.	Cifuentes,M.
	Point of view
	Spine 34 (2009)1250
+Prasarn,M.L.	Rechtine,G.R.
	Does lumbal paraspinal muscle fatty degeneration correlate with aerobic index and Oswestry disability index?
	Proceedings of the 27 th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
	Spine J 12 (2012)Suppl.9: 37
+Prather,H.	2015 presidential address: North American Spine Society presidential address
	Spine J 16 (2016)131 - 5
+Prather,H.	Stephens,A., Maheshwari,V., van Dillen,L.R.,
	Hip and lumbar spine physical examination and radiographic findingsin consecutive patients presenting with low back pain: A prospective description of the hip – spine – syndrome
	Proceedings of the 27 th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
	Spine J 12 (2012)Suppl.9: 68
Pratt,R.L.	Hyaluronan and the fascial frontier
	Int J Mol Sci 22 (2021)6845
	doi.org/10.3390/ijms221368410.3390/ijms22136845
+Pratzel,H.G.	Alken,R.G., Ramm,S.
	Efficacy and tolerance of repeated oral doses of tolperisone hydrochloride in the treatment of painful relex muscle spasm: results of o a prospective, placebo-controlled double-blind trial
	Pain 67 (1996)417 – 25
+Preisinger,E.	Kryo-, Kälte- und Wärmetherapie

- Manuelle Med 54 (2016)387 - 93
- +Presciutti,S.M. Karukonda,T., Drissi,H., Moss,I.,
PDGF and its role in reversing intervertebral disc degeneration
Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
Spine J 12 (2012)Suppl.9: 73 - 4
- +Prescott,S.A. Sejnowski,T.J., de Koninck,Y.
Reduction of anion reversal potential subverts the inhibitory control of firing rate in spinal lamina I neurons: toward a biophysical basis for neuropathic pain
Mol Pain 2 (2006)32
- +Premack,B.A. Schall,T.J.
Chemokine receptors: gateways to inflammation and infection
Nat Med 2 (1996)1174 - 8
- +Press,J. Liem,B., Walega,D., Garfin,S.
Survey of inspection and palpation rates among spine providers. Evaluation of physician performance of the physical examination for patients with low back pain
Spine 38 (2013)1779 - 84
- +Preuße,U. Giebel,J.
Die Leber – mehr als GOT und GPT?
Osteopath Med 10 (2009)1: 16 - 21
- +Preyde,M. Effectiveness of massage therapy for subacute low back pain: a randomized controlled trial
Can Med Ass J 162 (2000)1815 – 20
- Price,D.D. Psychological and neural mechanisms of pain
New York, Raven Press, 1988 (zit Wade et al., 2011)

Price,D.D.	Psychological mechanisms of pain and analgesia. Progress in pain research and management, Seattle: IASP, 1999 (zit Borsook et al., 2007)
Price,D.D	Psychological and neural mechanisms of affective dimension of pain Science 288 (2000)1769 – 72 (zit. Apkarian et al., 2004)
+Price,D.D.	The inner experience and neurobiology of placebo analgesia. Can these perspective be integrated? (commentary) Pain 154 (2013)328 - 9
+Price,D.D.	Dorsal horn neural responses and quantitative sensory testing help explain normal and abnormal pain (commentary) Pain 154 (2013a)1161 - 2
+Price,D.D.	Craggs,J., Verne,G.N., Perlstein,W.M., Robinson,W.M. Placebo analgesia is accompanied by large reduction in pain-related brain activity in irritable bowel syndrome patients Pain 127 (2007)63 - 72
+Price,D.D.	Finniss,D.G., Benedetti,F. A comprehensive review of the placebo effect: recent advances and current thought Annu Rev Psychol 59 (2008)565 - 90
+Price,D.D.	Greenspan,J., Dubner,R. Neurons involved in exteroceptive functions of pain Pain 106 (2003)215 - 9
Price,D.D.	Mayer,D.J. Neurophysiological characterisation of the anterolateral quadrant neurons subserving pain in M. mulatta Pain 1 (1975)59 – 72 (zit. Cuellar et al., 2004)
+Price,D.D.	Verne,G.N., Schwartz,J.M. Plasticity in brain processing and modulation of pain Prog Brain Res 157 (2006)333 – 352
+Price,J.P.	Clare,M.H., Ewerhardt,F.H.

- Studies in low backache with persistent muscle spasm
Arch Phys Med Rehabil 29 (1948)703 – 9
- +Price,T.J. Cervero,F., de Koninck,Y.
Raole of cation-chloride-cotransporters (CCC) in pain and hyperalgesia
Curr Top Med Chem 5 (2005)547 – 55
- +Price,T.J. Prescott,S.A.
Inhibitory regulation of the pain gate and how its failure causes pathological pain
Pain 156 (2015)789 - 92
- +Priest,B.T. Murphy,B.A., Lindia,J.A., Diaz,C., Abbadie,C., Ritter,A.M. und weitere 7 Autoren
Contribution of the tetrodotoxin-resistant voltage-gated sodium channel NaV1.9 to sensory transmission and nociceptive behavior
Proc Natl Acad Sci USA 102 (2005)9382 – 7
- +Prieto,E.J. Hopson,L., Bradley,L.A., Geisinger,K.F., Midax,D., Marchisellow,P.J.
The language of low back pain: factor structure of the McGill pain questionnaire
Pain 8 (1980)11 – 9
- +Prista,A. Balague,F., Nordin,M., Skovron,M.L.
Low back pain in Mocambican adolescents
Eur Spine J 13 (2004)341 – 5
- +Pritchard,R.A. Falk,L., Larsson,M., Leinders,M., Sorkin,L.S.
Different phosphoinositide 3-kinase isoforms mediate carrageenan nociception and inflammation
Pain 167 (2016)137 - 46
- Prkachin,K.M. Schultz,I.Z., Hughes,E.
Pain behavior and the development of pain-related disability: the importance of guarding
Clin J Pain 23 (2007)270 - 7

Prochaska,J.O.	DiClemente,C.C.
	The Transtheoretical Approach: Towards a Systemic Eclectic Framework
	Homewood,IL, Dow Jones Irwin, 1984 (zit. Hadjistavroupolos & Shymkiw, 2007)
+Proctor,T.	Gatchel,R.J., Robinson,R.C.
	Psychosocial factors and risk of pain and disability
	Occup Med 15 (2000)803 – 12
+Projean,D.	Morins,P.E., Tu.T.M., Ducharme,J.
	Identification of CYP3A4 and CYP2C8 as the major cytochrome P450s responsible for morphine N-demetylation in human liver microsomes
	Xenobiotica 33 (2003)841 – 54
+Prokop,L.L.	Wieting,J.M.
	The use of manipulation in sports medicine practice
	Man Med 7 (1996)915 - 33
Proske,U.	Gandevia,S.C.
	The proprioceptive senses: their roles in signaling body shape, body position and movement, and muscle force
	Physiol Rev 92 (2012)1651 – 97 doi.org/10.1152/physrev.00048.2011
+Proske,U.	Morgan,D.L., Gregory,J.E.
	Thixotropy in skeletal muscle and in muscle spindles: a review
	Prog Neurobiol 41 (1993)705 – 21
+Prost,S.	Charles,Y.P., Ilharreborde,B., Riouallon,G., Presenti,S., Blondel,B.
	Thoracolumbar sagittal shape varies with pelvic morphology and aging
	Spine 48 (2023)1726 – 32 doi.org/10.1097/BRS.0000000000004590
Protas,E.J.	Physical activity and low back pain

- In: Mitchell,M. et al. eds. Pain 1999 an updated review: refresher course syllabus, 9th World Congress of Pain. Seattle, IASP Press, 1999, p. 145 – 52 (zit. Verbunt et al., 2005)
- +Provencher,B. Northon,S., Montoro,C.G., O’Shaughnessy,J., Piche,M.
Effects of chiropractic spinal manipulation on laser-evoked pain an brain activity
J Physiol Sci 71 (2021)20 doi.org/10.1186/s12567-021-00804-2
- +Pruessner,J.C., Heilhammer,D.H., Kirschbaum,C.
Burnout, percieved stress and cortisol responses to awakening
Psychosom Med 61 (1999)197 – 204
- +Prusator,D.K. Greenwood-Van Meerveld,B.
Amygdala-mediated mechanisms regulate visceral hypersensitivity in adult females following early life stress: importance of the glucocorticoid receptor and corticotropin-releasing factor
Pain 158 (2017)296 - 305
- +Psczolla,M Der neue DGOM-Präsident
Manuelle Med 51 (2013)5 – 6
- +Psczolla,M. Neu: strukturierte curriculäre Fortbildung “Osteopathische Verfahren”
Manuelle Med 51 (2013a)463 -4
- +Psczolla,M. von Heymann,W., Linz,W., Deutsche Gesellschaft für manuelle Medizin e.V.
DGMM-Positionspapier zur “Osteopathie” in Deutschland
Manuelle Med 53 (2015)60 - 2
- +Psczolla,M. von Heymann,W., Möhrle,A., Buchmann,J.
DGMM - Deutsche Gesellschaft für Manuelle Medizin: Jenenser Erklärung 2013: Osteopathische Therapie in der Physiotherapie
Manuelle Med 51 (2013a)420 - 2
- +Pua,Y.H Cai,C.C., Lim,K.C.

- Treadmil walking with body weight supporti s no more effective the cyclingwhen added to an exercise program for lumbar spinal stenosis: a randomised controller trial
- Aust J Physiother 53 (2007)83 – 9
- +Pud,D. Granovsky,Y., Yarnitzky,D.
- The methodology of experimentally induced diffuse noxious control (DNIC)-like effect in humans
- Pain 144 (2009)16 - 9
- +Puhl,A.A. Reinhart,C.J., Doan,J.B., Vernon,H.
- The quality of placebos used in randomized, controlled trials of lumbar and pelvic joint thrust manipulation – a systematic review
- Spine J 17 (2017)445 - 56
- +Pulisetti,D. Ebraheim,N.A.
- CT-guided sacroiliac joint injections
- J Spinal Disord 12 (1999)310 – 2
- +Pullen,P.R. Nagamia,S.H., Mehta,P.K., Thompson,W.R., Bernadot,D., Hammond,R., Parrot,J.M., Sola,S., Khan,B.V.
- Effect of yoga on inflammation and exercise capacity in patients with chronic heart failure
- J Card Fail 14 (2008)407 – 13
- +Pulliam,C. Gatchel,R.J., Robinson,R.C.
- Challenge sto early prevention and intervention: personal experiences with adherence
- Clin J Pain 19 (2003)114 - 20
- Pun,W.K. Luk,K.D., Leong,J.C.Y.
- Influence of the erect posture on the development of the lumbosacral region
- J Surg Radiol Anat 9 (1987)669 – 74 (zit. Peeters, 2011)
- +Punnett,L. Fine,L.J., Keyserling,W.M., Herrin,G.D., Chaffin,D.B.
- Back disorders and nonneutral trunk postures of automobile assembly workers

	Scand J Work Environ Health 17 (1991)337 – 46
Punnett,L.	Wegman,D.H.
	Work-related musculoskeletal disorders: the epidemiology and the debate
	J Electromyogr Kinesiol 14 (2004)13 – 23 (zit. Schenk et al., 2006)
+Purdie,F.	Morley,S.
	Compassion and chronic pain
	Pain 157 (2016)2625 - 7
+Purmessur,D.	Cornejo,M.C., Cho,S.K., Roughley,P.J., Linhardt,R.J., Hecht,A., Iatridis,J.C.
	Intact glycosaminoglycans from intervertebral disc-derived notochordal cell-containing media inhibit neurite growth while maintaining neural cell viability
	Spine J 15 (2015)1060 - 9
Purves,A.M.	Penny,K.I., Munro,C. et al.
	Defining chronic pain for epidemiologic research – assessing a subjective definition
	Pain Clin 10 (1998)139 - 47
Putz,C.	Zur reflektorischen Kontrolle des Rumpfes bei externen Störungen im aufrechten Stand.
	Dissertation zur Erlangung des akademischen Grades „doctor philosophiae“ am Lehrstuhl für Sportmedizin der Friedrich Schiller- Universität Jena, 2009
Putz,C.	Chronic back pain and sensory-motor control: a conceptual and computational framework for diagnostic and therapeutic approaches
	Habilitationsschrift; Fakultät für Sozial- und Verhaltenswissenschaften der Friedrich-Schiller-Universität Jena, Jena 2018 (zit. Beyer, 2019)
+Putz,C.	Hersleb,M., Weiss,T., Gabriel,H.
	Rückenschmerz – Schmerzverarbeitung und aktive segmentale Stabilisation. Aktuelle Aspekte der „neuen Rückenschule“

- Manuelle Med 49 (2011)83 - 90
- +Putz,C. Schulz,B., Schoeler,S., Magerl, W., Gabriel,B., Gabriel,H.H., Miltner,W.H.
- Somatosensory abnormalities for painful and innocuous stimuli at the back and at a site distinct from the region of pain in chronic back pain patients
- PloS One 8 (2013)e58885
- Putz,C. Wagner,H., Anders,C. et al.
- Schnelle unerwartete Störungen im aufrechten Stand: Antworten der Rumpf- und Beckenmuskulatur bei gesunden Kontrollpersonen und Patienten mit chronisch unspezifischem Rückenschmerz
- In: Grieshaber,R., Schneider,W., Scholle,H.C. (Hrsg.): Prävention von arbeitsbedingten Gesundheitsgefahren und Erkrankungen. Kongressband 12. Erfurter Tage, Bussert & Stadeler, Jena 2007, S. 261 – 9 (zit. Wagner et al., 2009)
- +Putney,J.W. Pharmacology of store-operated calcium channels
- Mol Interv 10 (2010)209 -18 (zit Gao et al., 2013)
- Putz,R. Funktionelle Morphologie des lumbosakralen Übergangs
- In: Matzen,K.A. (Hrsg.): Wirbelsäulen Chirurgie, Spondylolisthesis. Thieme, Stuttgart, 1989 (zit. Putz, 2005)
- +Putz,R. The detailed functional anatomy of the ligaments of the vertebral column
- Ann Anat 174 (1992)40 – 7
- Putz,R. Funktionelle Anatomie der Lendenwirbelsäule
- In: Hildebrand,J, Müller,G., Pfingsten,M. (Hrsg.): Lendenwirbelsäule. Urban & Fischer, 2005, S.68 - 75
- +Putz,R. Müller-Gerbl,M.
- The vertebral column – a phylogenetic failure? A theory explaining the function and vulnerability of the human spine
- Clin Anat 9 (1996)205 – 12
- Putz,R. Müller-Gerbl,M.
- Ligaments of the human vertebral column

- In: Giles,L., Singer,K.P. (eds): Clinical anatomy and management of the thoracic spinal pain. Butterworth – Heinemann, Oxford, 1999 (zit. Graichen & Putz, 2006)
- +Qaseem,A. Wilt,T.J., McLean,R.M., Forciea,M.A.
Clinical guidelines committee of the American College of Physicians. Noninvasive treatment for acute, subacute, and chronic low back pain: a clinical practice guideline from the American College of Physicians
Ann Intern Med 166 (2017)514 – 30 doi.org/10.7326/M16-2367
- +Qi,F. Zhou,Y., Xiao,Y., Tao,J., Gu,J., Jiang,X., Xu,G.Y.
Promoter demethylation of cystathionine-beta-synthetase gene contributes to inflammatory pain in rats
Pain 154 (2013)34 - 45
- +Qiu,W.Q. Claunch,J., Kong,J., Nixon,E.E., Fang,L., Li,M., Vangel,M., Hui,K.K.S.
The effects of acupuncture on the brain networks for emotion and cognition: an observation of gender differences
Brain Res 1362 (2010)56 -67
- +Qiu,X.S., Tang,N.L.S., Yeung,H.Y., Lee,K.M., Hung,V.W.J., Ng,B.K.W., Ma,S.L., Kwok,R.H.K., Qin,L., Qiu,Y., Cheng,J.C.Y.
Melatonin receptor 1B (MTNR1B) gene polymorphism is associated with the occurrence of adolescent idiopathic scoliosis
Spine 32 (2007)1748 – 53
- Qlugbade,T. Bianchi-Berthouze,N., Williams,A.C.
The relationship between guarding, pain and emotion
Pain 4 (2019)4: E770 (so zit. Eich et al., 2019)
- +Qu,C. King,T., Okun,A., lai,J., Fields,H.L., Porreca,F.
Lesion of the rostral anterior cingulate cortex eliminates the aversiveness of spontaneous neuropathic pain following partial or complete axotomy
Pain 152 (2011)1641 - 8
- +Quan,N. Whiteside,M., Kim,L., Herkenham,M.

- Induction of inhibitory factor kappaBalpha mRNA in the central nervous system after peripheral lipopolysaccharide administration. An in situ hybridization histochemistry study in the rat
- Proc Natl Acad Sci USA 94 (1997)10985 – 90
- +Quang,P.N. Schmidt,B.I.
- Peripheral endothelin B receptor agonist-induced antinociception involves endogenous opioids in mice
- Pain 149 (2010)254 - 62
- +Quasnicka,H.L. Anderson-Mackenzie,J.M., Tarlton,J.F., Sims,T.J., Billingham,M.E.J., Bailey,A.J.
- Cruciate ligament laxity and femoral intercondylar notch narrowing in early-stage knee osteoarthritis
- Arthritis Rheum 52 (2005)3100 – 09
- +Quero,L. Klawitter,M., Nerlich,A.G., Leonardi,M., Boos,N., Wuertz,K.
- Bupivacaine – the deadly friend of intervertebral disc cells?
- Spine J 11 (2011)46 - 53
- +Quevedo,A., Coghill,R.C.
- Filling-in spatial summation and radiation of pain: evidence for a population code in the nociceptive system
- J Neurophysiol 102 (2009)3544 – 53
- +Quevedo,A.S. Morch,C.D., Andersen,O.K., Coghill,R.C.
- Lateral inhibition during nociceptive processing
- Pain 158 (2017)1046 - 52
- +Quinn,F. Hughes,C.M., Baxter,G.D.
- Reflexology in the management of low back pain: a pilot randomized controlled trial
- Complement Ther Med 16 (2008)3 – 8
- +Quinn,J.F. Therapeutic touch as energy exchange: testing the theory
- ANS Adv Nurs Sci 6 (1984)42 – 9
- +Quinn,K.P. Dong,L., Golder,F.J., Winkelstein,B.A.

- neuronal hyperexcitability in the dorsal horn after painful facet joint injury
- Pain 151 (2010)414 - 21
- +Quinn,P.D. Hur,K., Chang,Z., Krebs,E.E., Bair,M.J., Scott,E.L., Rickert,M.E., Gibbons,R.D., Kroenke,K., D’Onofrio,B.M.
- Incident and long-term opioid therapy among patients with psychiatric conditions and medications: a national study of commercial health care claims
- Pain 158 (2017)140 - 8
- +Quinn,P.D. Rickert,M.E., Franck,J., Sariaslan,A., Boersma,K., Lichtenstein,P., Larsson,H., D’Onofrio,B.M.
- Associations of mental health and family background with opioid analgesic therapy: a nationwide Swedish register-based study
- Pain 160 (2019)2464 - 72
- +Quinn,S. Bird,S.
- Influence of saddle type upon the incidence of lower back pain in equestrian riders
- Br J Sports Med 30 (1996)140 -4
- Quint,S. Katastrophisierungs-Vermeidungs-Skala 65+ (KVS 65+): Evaluation einer Skala zu Erfassung von kognitiven Störungen und Vermeidungsverhalten an älteren Menschen mit chronischem Rückenschmerz. Manuskript, 2007 (zit. in Quint et al., 2007)
- +Quint,S. Luckmann,J., Wolf,U., Basler,H.D.
- AMIKA: Ältere Menschen in körperlicher Aktion
- Schmerz 21 (2007)453 – 61
- +Quint,U. Raich,M., Luckmann,J.
- Evaluation einer zweidimensionalen Skala zur Erfassung von Angst-Vermeidungs-Überzeugungen an älteren Patienten mit chronischem Rückenschmerz
- Schmerz 25 (2011)315 - 21
- +Quint,U. Wilke,H.J., Shirazi-Adl,A., Pamlanpour,M., Löer,F., Claes,L.

- Importance of the intersegmental trunk muscles for the stability of the lumbar spine. A biomechanical study in vitro
Spine 23 (1998)1937 – 45
- +Quintero,L. Cardenas,R., Suarez-Roca,H.
Stress-induced hyperalgesia is associated with a reduced and delayed GABA inhibitory control that enhances post-synaptic NMDA receptor activation in the spinal cord
Pain 152 (2011)1909 - 22
- Quintner,J.L. Cohen,M.L.
Referred pain of peripheral nerve origin: an alternative to the „myofascial pain“ construct
Clin J Pain 10 (1994)243 – 51 (zit. Rennie, 2007)
- Quittan,M. Management of low back pain: review
Disabil Rehabil 24 (2002)423 – 34
- Qureshi,Y. Kusienski,A., Benski,H., Luksch,J.R., Knowles,L.G.
Effects of somatic dysfunctions on leg length and weight bearing
J Am Osteopath Med 114 (2014)8: 620 – 30 (zit. Robert, 2019)
- Raanaas,R.K. Anderson,D.
A questionnaire survey of Norwegian taxi drivers' musculoskeletal health, and work related risk factors
Int J Ind Environ 38 (2008)280 – 90 (zit. Shirin et al., 2010)
- +Raastad,J. . Reiman,M., Coeytaux,R., Ledbetter,L., Goode,A.P.
The association between lumbar spine radiographic features and low back pain: A systematic review and meta-analysis
Semin Arthrit Rheum 44 (2015)571 – 85
- +Rabey,M. Beales,D., Slater,H., O'Sullivan,P.
Multidimensional pain profiles in four cases of chronic non-specific axial low back pain: An examination on the limitations of contemporary classification systems

- Man Ther 20 (2015b)138 – 47
doi.org/10.1016/j.math.2014.07.015
- (-)Rabey,M. Poon,C., Wray,J., Thamajaree,G., East,R., Slater,H.

Pro-nociceptive and anti-noceptive effects of a conditioned pain modulation protocol in participants with chronic low back pain and healthy control subjects

Man Ther (2015) DOI:
http://dx.doi.org/10.1016/j.math.2015.02.011
- +Rabey,M. Slater,H., O’Sullivan,P., Beales,D., Smith,A.

Somatosensory nociceptive characteristics differentiate subgroups in people with chronic low back pain: a cluster analysis

Pain 156 (2015a)1874 - 84
- +Rabey,M. Smith,A., Beales,D., Slater,H., O’Sullivan,P.

Differing psychologically derived clusters in people with chronic low back pain are associated with different multidimensional profiles

Clin J Pain 32 (2016)1015 – 27
- +Rabey,M. Smith,A., Beales,D., Slater,H., O’Sullivan,P.

Multidimensional prognostic modelling in people with chronic axial low back pain

Clin J Pain 33 (2017)877 - 91
- +Rackwitz,B. de BR, Limm,H., von GK, Ewert,T., Stucki,G.

Segmental stabilising exercises and low back pain. What is the evidence? A systemic review of randomized controlled trials

Clin Rehabil 20 (2006)553 – 67
- Racz,G.B. Ruiz-Lopez,R.

Radiofrequency procedures

Pain Practice 6 (2006)46 – 50
- +Radanov,B. Somatoforme Schmerzstörung, Fibromyalgie und chronisches Müdigkeitssyndrom aus psychosomatischer Sicht

Manuelle Med 54 (2016)296 - 302

+Radbruch,L.

Gärtner,J.

Resilienz – ein Thema für Schmerztherapie und Palliativversorgung?

Schmerz 37 (2023)79 – 82 doi.org/10.1007/s00482-023-00706-9

+Radbruch,L.

Schaible,H.G.

Leitlinien – wem nützen sie?

Schmerz 25 (2011)482 – 3

+Radbruch,L.

Schaible,H.G.

Vom Recht auf eigene Meinung (Editorial)

Schmerz 27 (2013)5 - 6

+Radcliff,K.

Kepler,C., Hilibrand,A., Rihn,J., Zhan,W., Lurie,J., Tosteson,T., Vaccaro,A., Albert,T., Weinstein,J.

Epidural steroid injections are associated with less improvement in patients with lumbar spinal stenosis. A subgroup analysis of the Spine Patient Outcomes Research Trial

Spine 38 (2013)279 - 91

+Radcliff,K.E.

Rihn,J., Hilibrand,A., Dilorio,T., Tosteson,T., Lurie,J.D., Zhao,W., Vaccaro,A.R., Albert,T.J., Weinstein,J.N.

Does the duration of symptoms in patients with spinal stenosis and degenerative spondylolisthesis affect outcomes? Analysis of the Spine Patient Outcomes Research Trial

Spine 36 (2011)2197 – 2210

+Rade,M.

Könönen,M., Vanninen,R., Marttila,J., Shacklock,M., Kankaanpää,M., Airaksinen,O.

2014 young inventor award winner: In vivo magnetic resonance imaging measurement in spinal cord displacement in the thoracolumbar region of asymptomatic subjects. Part 1: straight leg raise test

Spine 39 (2014)1288 - 93

+Rade,M.

Könönen,M., Vanninen,R., Marttila,J., Shacklock,M., Kankaanpää,M., Airaksinen,O.

- 2014 young inventor award winner: In vivo magnetic resonance imaging measurement in spinal cord displacement in the thoracolumbar region of asymptomatic subjects. Part 2: Comparison between unilateral and bilateral straight leg raise test
- Spine 39 (2014a)1294 - 1300
- +Rade,M. Määttä,J.H., Freidin,M.B., Airaksinen,O., Karppinen,J., Williams,F.M.K.
- Vertebral endplate defect as initiating factor in intervertebral disc degeneration. Strong association between endplate defect and disc degeneration in the general population
- Spine 43 (2018)412 - 9
- +Rade,M. Pesonen,J., Könönen,M., Marttila,J., Shacklock,M., Vanninen,R., Kankaanpää,M., Airaksinen,O.
- Reduced spinal cord movement with the straight leg raise test in patients with lumbar intervertebral disc herniation
- Spine 42 (2017)1117 - 24
- +Radebold,A. Cholewicki,J., Panjabi,M.M., Patel,T.C.
- Muscle response pattern to sudden trunk loading in healthy individuals and in patients with chronic low back pain
- Spine 25 (2000)947 - 54
- +Radebold A. Cholewicki,J., Polzhofer,G.K., Greene,H.S.
- Impaired postural control of the lumbar spine is associated with delayed muscle response times in patients with chronic idiopathic low back pain
- Spine 26 (2001)724 - 30
- +Radhakrishnan,R. King,E.W., Dickman,J.K., Herold,C.A., Johnston,N.F., Spurgin,M.L., Sluka,K.A.
- Spinal 5-HT₂ and 5-HT₃ receptors mediate low, but not high, frequency TENS-induced antihyperalgesia in rats
- Pain 105 (2003)205 - 13
- +Radloff,L.S. The CES-D Scale: a self-report depression scale for use in the general population
- J Appl Physiol Meas 1(1977)385 – 401

- Raehal,K. Schmidt,C.L., Geoer,C.E. et al.
- Functional selectivity at the mu-opioid receptor: implications for understanding opioid analgesia and tolerance
- Pharmacol Rev 63 (2011)1001 – 19 (zit. Finkel & Pukish, 2019)
- +Raffa,R.B. Friderichs,E., Reimann,W., Shank,R.P., Codd,E.E., Vaught,J.L.
- Opioid and nonopioid components indepedently contribute to the mechanism of action of tramadol, an “atypic” opioid analgesic
- J Pharmacol Exp Ther 260 (1992)275 – 85
- +Raftery,M.N. Sarma,K., Murphy,A.W., de la Harpe,D., Normand,C., McGuire,B.E.
- Chronic pain in the Republic of Ireland – community prevalence, psychosocial profile and predictors of pain-related disability: Results from the Prevalence, Impact and Cost of Chronic Pain (PRIME) study. Part I
- Pain 152 (2011)1096 - 1103
- +Raghavendra,V. Tanga,F.Y., DeLeo,J.A.
- Complete Freuds adjuvant-induced peripheral inflammation evokes glial activation and proinflammatory cytokine expression in the CNS
- Eur J Neurosci 20 (2004)457 -73
- +Ragnarsson,S. Johansson,K., Bergström,E., Sjöberg,G., Hurtig,A.K., Petersen,S.
- Recurrent pain in school-aged children: a longitudinal study focusing on the relation to academic achievement
- Pain 163 (2022)2245 – 53
doi.org/10.1097/j.pain.0000000000002625
- (-)Rahnama,L. Rezasoltani,A., Zavieh,M.K., Kochi,P.N., Baghban,A.A.
- Differences in cervical multifidus muscle thickness during isometric contraction of shoulder muscles: a comparison between patients with chronic neck pain and healthy controls
- J Manipulative Physiol Ther (2015) DOI:
<http://dx.doi.org/10.1016/j.jmpt.2014.11.008>

- +Raichle,M.F. Macleod,A.M., Snyder,A.Z., Powers,W.J., Gusnard,D.A.,
Shulman,G.L.
- A default mode of brain function.
- Proc Natl Acad Sci USA 98 (2001)676 – 82
- +Raichle,M.F. Snyder,A.Z.
- A default mode of brain fuction: A brief history of a evolving
idea
- Neuroimage 37 (2007)1083 – 90, Diskussion 1097 – 9
- Raid,D.C. Smith,B.
- Leg length inequality: a review of etiology and management
- Physiother Can 36 (1984)177 – 82 (zit. Defrin et al., 2005)
- +Raij,T.T. Numminen,J., Narvanen,S., Hiltunen,J., Hari,R.
- Brain correlation of subjective reality of physically and
psychologically induced pain
- Proc Natl Acad Sci USA 102 (2005)2147 – 51
- +Rainville,J. Bagnall,J., Phalen,L.
- Health care providers' attitudes and beliefs about functional
impairments and chronic back pain
- Clin J Pain 11 (1995)287 – 95
- +Rainville,J. Childs,L.A., Pena,E.B., Suri,P., Limke,J.C., Jouve,C., Hunter,D.J.
- Quantification of walking ability in subjects with neurogenic
claudication from lumbar stenosis – a comparative study
- Spine J 12 (2012)101 - 9
- +Rainville,J. Jouve,C., Hartigan,C., Martinez,E., Hipona,M.
- Comparison of short- and long-term outcomes for aggressive
spine rehabilitation delivered two versus three times per
week
- Spine J 2 (2002)402 – 7
- +Rainville,J. Lopez,E.
- Comparison of radicular symptoms caused by lumbar disc
herniation and lumbar spine stenosis in the elderly

- Spine 38 (2013)1282 - 7
- +Rainville,J. Smeets,R.J.E.M., Bendix,T., Tveito,T., Poiraudreau,S., Indahl,A.J.
- Fear-avoidance beliefs and pain avoidance in low back pain – translating research into clinical practice
- Spine J 11 (2011)895 - 903
- +Rainville,J. Sobel,J., Hartigan,C., Monlux,G., Bean,J.
- Decreasing disability in chronic back pain through aggressive spine rehabilitation
- J Rehabil Res Dev 34 (1997)383
- +Rainville,J. Sobel,J., Hartigan,C., Wright,A.
- The effect of compensation involvement on the reporting of pain and disability by patients referred for rehabilitation of chronic low back pain
- Spine 22 (1997)639 – 44
- +Rainville,P. Duncan,G.H., Price,D.D., Carrier,B., Bushnell,M.C.
- Pain affect encoded in human anterior cingulate but not somatosensory cortex
- Science 277 (1997)968 – 71
- +Rainville,P. Hofbauer,R.K., Bushnell,M.C., Duncan,G.H., Price,D.D.
- Hypnosis modulates activity in brain structures involved in the regulation of consciousness
- J Cogn Neurosci 14 (2002)887 – 901
- +Raivich,G. Like cops on the beat: the active role of resting microglia
- Trends Neurosci 28 (2005)571 – 3 (zit. Ji et al., 2013)
- +Raivich,G. Hellweg,R., Kreutzberg,G.W.
- NGF receptor-mediated reduction in axonal NGF uptake and retrograde transport following sciatic nerve injury and during regeneration
- Neuron 7 (1991)151 – 64

- +Raja,S.N. Carr,D.B., Cohen,M., Finnerup,N.B., Flor,H., Gibson,S., Keefe,F.J., Mogil,J.S., Ringkamp,M., Sluka,K.A., Song,X.J., Stevens,B., Sullivan,M.D., Tutelman,P.R., Ushida,T., Vader,K.
- The revised International Association for the Study of Pain definition of pain : concepts, challenges and compromises
- Pain 161 (2020)1976 - 82
- +Raja,S.N. Wallace,M.
- Neurostimulation for neuropathic pain: outcomes and new paradigms
- Pain – clinical updates XXIII (2015)5
- +Rajae,S.S. Bae,H.W., Kanim,L.E.A., Delamarter,R.B.
- Spinal fusion in the United States. Analysis of trends from 1998 to 2008
- Spine 37 (2012)67 - 76
- Rajamani,P. Shewade,H.D., Kundu,D., Sekaran,K.K., Aalan,S.D., Pugazhendi,S., Pugazhendi,K.
- Completion rates and clinical changes of patients seeking non-invasive treatment for low back pain in 13 centers of a sports medicine institute in India
- Complement Med Res 27 (2020)89 – 96
doi:10.1159/000504015 Zugriff 13.9.2020
- +Rajan,N.E. Bloom,O., Maidhof,R., Stetson,N., Sherry,B., Levine,M., Chahine,N.O.
- Toll-like receptor 4 (TLR4) expression and stimulation in a model of intervertebral disc inflammation and degeneration
- Spine 38 (2013)1343 - 51
- +Rajasekaran,S. Babu,J.N., Armstrong,B.R.W., Shetty,A.P., Murugan,S.
- ISSLS prize winner: A study of diffusion in human lumbar discs: a serial magnetic resonance imaging study documenting the influence of the endplate on diffusion in normal and degenerate discs
- Spine 29 (2004)2654 – 67
- +Rajasekaran,S. Bajai,N., Tubaki,V., Kanna,R.M., Shetty,A.P.

- ISSLS prize winner: The anatomy of failure in lumbar disc herniation. An in vivo multimodal, prospective study of 181 subjects
- Spine 38 (2013)1491 - 1500
- +Rajasekaran,S. Kanna,R.M., Reddy,R.R., Natesan,S., Raveendran,M., Cheung,K.M.C., Chan,D., Kao,P.Y.P., Yee,A., Shetty,A.P.
- How reliable are the reported genetic associations in disc degeneration?
- Spine 41 (2016)1649 - 60
- +Rajasekaran,S. Kanna,R.M., Senthil,N., Raveendran,M., Cheung,K.M.C., Chan,D., Subramaniam,S., Shetty,A.P.
- Phenotype variations affect genetic association studies of degenerative disc disease: conclusions of analysis of genetic association of 58 single nucleotide polymorphisms with highly specific phenotypes for disc degeneration in 332 subjects
- Spine J 13 (2013a)1309 - 20
- +Rajasekaran,S. Raja,D.C., Tangavel,C., Nayagam,S.M., Anand,S.V., Sunmati,R, Matchado,M.S., Ravaendran,M. und weitere 3 Autoren
- Uncovering molecular targets for regenerative therapy in degenerative disc disease: do small leucine-rich proteoglycans hold the key?
- Proceedings of the 35th annual meeting of the North American Spine Society
- Spine J 20 (2020a) Suppl. 9: S 48
- +Rajasekaran,S. Soundararajan,D.C.R., Tangavel,C., Nayagam,S.M., Vijayanand,S., Sunmathi,R., und weitere 6 Autoren
- Uncovering molecular targets for regenerative therapy in degenerative disc disease: do small leucine-rich proteoglycans hold the key?
- Spine J 21 (2021)5 – 19
doi.org/10.1016/j.spinee.2020.04.011
- +Rajasekaran,S. Tangavel,C., Anand,S.V., Soundararajan,D.C.R., Nayagam,S.M., Matchado,M.S., Raveendran,M., Shetty,A.P., Kanna,R.M., Dharmalingam,K.

- Imflammaging determines health and disease in lumbar discs – evidence from differencing proteomic signatures of healthy, aging, and degenerating discs
- Spine J 20 (2020)48 - 59
- +Rajasekaran,S. Vidyadhara,S., Subbiah,M., Kamath,V., Karunanithi,R., Shetty,A.P., Venketeswaran,K., Babu,M., Meenakshi,J.
- ISSLS prize winner: A study of effects of in vivo mechanical forces on human lumbar discs with scoliotic disc as a biological model. Results from serial postcontrast diffusion studies, histopathology and biochemical analysis of twenty-one human lumbar scoliotic discs
- Spine 35 (2010)1930 - 43
- +Rajnić,P. Templier,A., Skalli,W., Lavaste,F., Illes,T.
- The association of sagittal spinal and pelvic parameters in asymptomatic persons and patients with isthmic spondylolisthesis
- J Spinal Disord 15 (2002)24 – 30
- +Rakel,B.A. Zimmerman,M.B., Geasland,K., Embree,J., Clark,C.R., Noiseux,N.O., Callaghan,J.J., Herr,K., Walsh,D., Sluka,K.A.
- Transcutaneous electrical nerve stimulation for the control of pain during rehabilitation after total knee arthroplasty:a randomized, blinded, placebo-controlled trial
- Pain 155 (2014)2599 - 611
- +Rakvag,T.T. Klepstad,P., Baar,C., Kvam,T.M., Dale,O., Kaasa,S., Krokan,H.E., Skorpen,F.
- The val158met polymorphism of the human catechol-O-methyl-transferase (COMT) gene may influence morphine requirements in cancer pain patients
- Pain 116 (2005)73 – 8
- +Ram,A.K. Summers,S.J., Booth,J., Gibbs,M.T., Jones,M.D.
- Higher intensity exercise reduces disability more than lower intensity exercise in adults with chronic low back pain: A systematic review and meta-analysis
- Muskuloskel Care (2023)16. Jan, doi.org/10.1002/msc.1734
- +Ram.K.C. Eisenberg,E., Haddad,M., Pud,D.

- Oral opioid use alters DNIC but not cold pain perception in patients with chronic pain – new perspective of opioid-induced hyperalgesia
- Pain 139 (2008)431 – 8
- +Ramchandani,S. Bhattacharya,S.K., Cervoni,N., Szyf,M.
- DNA methylation is a reversible biological signal
- Proc Natl Acad Sci USA 96 (1999)6107 – 12
- +Ramer,M.S. French,G.D., Bisby,M.A.
- Wallerian degeneration is required for both neuropathic pain and sympathetic sprouting into the DRG
- Pain 72 (1997)71 - 8
- +Ramer,M.S. Thompson,S.W., McMahon,S.B.
- Causes and consequences of sympathetic basket formation in dorsal root ganglia
- Pain 6 (1999)S111 – 20
- +Ramesh,D. D’Agata,A., Starkweather,A.R., Yang,E.E.
- Contribution of endocannabinoid gene expression and genotype on low back pain susceptibility and chronicity
- Clin J Pain 34 (2018)8 - 14
- +Ramirez,M.A. Haman,J., Worth,L.
- Low back pain: Diagnosis by six newly discovered sacral tenderpoints and treatment with counterstrain
- JAOA 89 (1989)905 - 13
- +Ramirez,N. Johnstone,C.E., Browne,R.H.
- The prevalence of back pain in children who have idiopathic scoliosis
- J Bone Joint Surg Am 79 (1997)364 – 8
- +Ramirez-Maestre,C. Esteve,R., Lopez,A.E.
- Cognitive appraisal and coping in chronic pain patients
- Eur J Pain 12 (2008)749 - 56
- +Ramirez-Maestre,C. Esteve,R., Lopez,A.E.

The path to capacity

Spine 37 (2012)251

+Ramond-Roquin,A.

Bodin,J., Serazin,C., Parot-Schinkel,E., Ha,C., Richard,I., le Manach,A.P., Fouquet,N., Roquelaure,Y.

Biomechanical constraints remain major risk factors for low back pain. Results from a prospective cohort study in French male employees

Spine J 15 (2015)559 - 69

+Ramsey,I.S.

Delling,M., Clapham,D.E.

An intruduction to TRP channels

Annu Rev Physiol 68 (2006)619 – 47

+Ramsbacher,J.

Theallier-Janko,A., Stoltenburg-Didinger,G., Brock,M.

Ultrastructural changes in paravertebral muscles associated with degenerative spondylolisthesis

Spine 26 (2001)2180 – 5

-Ramsey,I.S.

Delling,M., Clapham,D.E.,

An introduction in TRP channels

Annu Rev Physiol 68 (2006)619 – 47 (zit. Porreca, 2012)

+Ramsey,R.

The anatomy of ligamenta flava

Clin Orthop 44 (1966)129 – 40

+Rancont,C.M.

Chronic psoas syndrome caused by the inappropriate use of a heel lift

J Am Osteop Assoc 107 (2007)415 - 8

+Rand,N.

Reichert,F., Floman,Y., Rotshenker,S.

Murine nucleus pulposus-derived cells secrete interleucins-1-beta, -6, and 10 and granulocyte-macrophage colony-stimulating factor in cell culture

Spine 22 (1997)2598 – 601

-- Randcont,C.M.

Chronic psoas syndrome caused by the inappropriate use of a heel lift

J AOA 107 (2007)415 – 8 (zit. Lipton et al., 2009)

- +Randerath,W.J. Galetke,W.
Differentialdiagnose der rezidivierenden Polyposis nasi: Das Analgetika – Asthma – Syndrom
Dt Ärztebl 104 (2007)A3178 – 83
- +Randic,M. Jiang,M.C., Cerne,R.
Long term potentiation and long-term depression of primary afferent neurotransmission in the rat spinal cord
J Neurosci 13 (1993)5228 – 41
- +Rang,H.P.. Bevan,H.P.; Dray,A.
Chemical activation of nociceptive peripheral neurons
Br Med Bull 47 (1991)534 – 48
- +Ranger,T.A. Cicuttini,F.M., Jensen,T.S., Peiris,W.L., Hussain,S.M., Fairley,J., Urquhart,D.M.
Are the size and composition of the paraspinal muscles associated with low back pain? A systematic review
Spine J 17 (2017)1729 - 48
- +Ranger,T.A. Cicuttini,F.M., Jensen,T.S., Heritier,S., Urquhart,D.M.
Paraspinal muscle cross-sectional area predicts low back disability but not pain intensity
Spine J 19 (2019)862 - 8
- +Ranger,T.A. Cicuttini,F.M., Jensen,T.S., Manniche,C., Heritier,S., Urquhart,D.M.
Catastrophisation, fear of movement, anxiety, and depression are associated with persistent, severe low back pain and disability
Spine J 20 (2020)857 - 65
- +Rannisto,S. Okuloff,A., Uitti,J., Paananen,M., Rannisto,P.H., Malmivaara,A., Karppinen,J.
Leg length discrepancy is associated with low back pain among these who must stand while working
BMC Musculoskeletal Dis 16 (2015)110

- +Rannou,F. Lee,T.S., Zhou,R.H., Chin,J., Lotz,J.C., Mayoux-Benhamou,M.A., Barbet,J.P., Chevrot,A., Shyy,J.Y.J.
- Intervertebral disc degeneration : the role of the mitochondrial pathway in annulus fibrosus cell apoptosis induced by overload
- Am J Pathol 164 (2004)915 – 24
- +Rantanen,J. Rissanen,A., Kalimo,H.
- The lumbar multifidus muscle five years after surgery for a lumbar intervertebral disc herniation
- Spine 18 (1993)568 – 74
- +Rantanen,P. Airaksinen,O.
- Geringe Übereinstimmung sogenannter Iliosakralgelenktests bei Patienten mit ankylosierender Spondylitis
- Manuelle Med 30 (1992)2 – 4
- +Rantonen,J. Luoto,S., Vehtari,A., Hupli,M., Karppinen,J., Malmivaara,A., Taimela,S.
- The effectiveness of two active interventions compared to self-care advice in employees with non-acute low back symptoms: a randomized, controlled trial with a 4-year follow-up in the occupational health setting
- Occup Environ Med 69 (2012)12 - 20
- +Rao,P.J. Phan,K., Reddy,R., Scherman,D.B., Taylor,P., Mobbs,R.J.
- DISC (degenerate-disc infection study with conaminat control). Pilot study of Australian cohort of patients without contaminant control.
- Spine 41 (2016)935 - 9
- +Raphael,K.G. Widom,C.S.
- Post-traumatic stress disorder moderates the relation between documented childhod victimization and pain 30 years later
- Pain 152 (2011)163 – 9
- +Rapoport,J. Jacobs,P., Bell,N.,R., Klarenbach,S.
- Refining the measurement of the economic burden of chronic diseases in Canada

- Chronic Dis Can 25 (2004)13 – 21
- +Räsänen,P. Ohman,J., Sintonen,H., Ryyänen,O.P., Koivisto,A.M., Blom,M., Roine,R.P.
- Cost-utility analysis of routine neurosurgical spinal surgery
- J Neurosurg Spine 5 (2006)204 – 9
- +Rasche,D. Siebert,S., Stippich,C., Kress,B., Nennig,E., Sartor,K., Tronnier,V.M.
- Epidurale Rückenmarkstimulation bei Postnukleotomiesyndrom
- Schmerz 19 (2005)497 - 505
- +Rashiq,S. Koller,M., Haykowsky,M., Jamieson,K.
- The effect of opioid analgesia on exercise test performance in chronic low back pain
- Pain 106 (2003)119 - 125
- +Rasley,A. Bost,K.L., Olson,J.K., Miller,S.D., Marriott,I.
- Expression of functional NK-1 receptors in murine microglia
- Glia 37 (2002)258 – 67
- Rasley,A. Marriott,I., Halberstadt,C.R., Bost,K.L., Anguita,J.
- Substance P augments *Borrelia burgdorferi* – induced prostaglandin E2 production by murine microglia
- J Immunol 172 (2004)5707 – 13 (zit. McMahon et al., 2005)
- +Rasmussen,C.D. Holtermann,A., Bay,H., Soogard,K., Jorgensen,M.B.
- A multi-faceted workplace intervention for low back pain in nurses' aides: a pragmatic stepped wedge cluster randomized controlled trial
- Pain 156 (2015)1786 - 94
- +Rasmussen,C. Leboeuf-Yde,C., Hestbaeck,L., Manniche,C.
- Poor outcome in patients with spine-related leg or arm pain who are involved in compensation claims: a prospective study of patients in the secondary care sector
- Scand J Rheumatol 37 (2008)462 – 8

- +Rasmussen,C.D.N. Jorgensen,M.B., Clausen,T., Andersen,L.J., Stroyer,J., Holtermann,A.
Does self-assessed physical capacity predict development of low back pain among health care workers. A 2-yea follow-up study
Spine 38 (2013)272 - 6
- +Rasmussen,G.G. Manipulation in treatment of low back pain: a randomized clinical trial
Manuelle Med 1 (1979)8 – 10
- +Rasmussen-Barr,E. Held,U., Grooten,W.J.A., Roelofs,P.D.D.M., Koes,B.W., van Tulder,M.W., Wertli,M.M.
Non-steroidal anti-inflammatory drugs for sciatica. An updated Cochrane review
Spine 42 (2017)586 - 94
- +Rasmussen-Barr,E. Nilsson-Wikmar,L., Arvidsson,J.
Stabilizing training compared with manual treatment in sub-acute and chronic low-back pain
Man Ther 8 (2003)233 – 41
- +Rasmussen-Barr,E. Äng,B., Arvidsson,I., Nilsson-Wikmar,L.
Graded exercise for recurrent low-back pain: a randimized, controlled trial with 6-, 12-, and 36-month follow-ups
Spine 34 (2009)221 - 8
- Raspe,H. Back pain
In: Silman,A., Hochberg,M.C. (eds): Epidemiology of the rheumatic diseases; Oxford University press, Oxford, 2001, 309 – 338 (zit. Kohlmann & Schmidt, 2004)
- +Raspe,H. Robert Koch Institut (RKI), Raspe H. Rückenschmerzen. Berlin: RKI; 2012 (Gesundheitsberichterstattung des Bundes; 53). S. RKI
- +Raspe,H. Hüppe,A., Matthis,C.
Theorien und Modelle der Chronifizierung: Auf dem Weg zu einer erweiterten Definition chronischer Rückenschmerzen
Schmerz 17 (2003)195 - 203

- +Raspe,H. Hüppe,A.
Konzept und epidemiologische Ergebnisse zum
Amplifikationsmodell der Rückenschmerzchronifizierung
Schmerz 20 (2006) Suppl.1 S40 – 1
- +Raspe,H. Kohlmann,T.
Rückenschmerzen – eine Epidemie unserer Tage?
Dt Ärztebl 90 (1993)2985 - 92
- +Raspe,H. Matthis,C., Croft,P., O’Neill,T. et al.
Variation in back pain between countries: the example of
Britain and Germany
Spine 29 (2004)1017 – 21
- +Ratcliffe,J. Thomas,K.J., MacPherson,H., Brasie,J.
A randomized controlled trial of acupuncture care for
persistent low back pain: cost-effectiveness analysis
BMJ 333 (2006)626
- +Rathbone,A.T.L. Grosman-Rimon,L., Kumbhare,D.A.
Interrater agreement of manual palpation for identification of
myofascial trigger points. A systematic review and meta-
analysis
Clin J Pain 33 (2017)715 - 29
- +Ratnasamy,P.P. Gouzoulis,M.J., Kammien,A.J., Holder,E.K., Grauer,J.N.
Changes in the utilisation of lumbosacral epidural Injections
between 2010 and 2019
Spine 47 (2022)1669 – 74
doi.org/10.1097/BRS.0000000000004467
- Ratner,K.G. Kaczmarek,A.R., Hong,Y.
Can over-the-counter pain medication influence our thoughts
and emotions?
Policy Insights Behav Brain Sci 5 (2018)82 – 9 (zit. Eich et al.,
2023)
- +Rau,J. Ehlebracht-König,I., Petermann,F.

Die bedeutung der Änderungsbereitschaft des
Transtheoretischen Modells (TTM) für den Verlauf der
Bewältigung chronischer Schmerzen

Schmerz 21 (2007)522 - 8

+Rauck,R.

Rapoport,R., Thippawong,J.

Results of a double-blind, placebo controlled, fixed-dose
assessment of once-daily OROS hydromorphone ER in
patients with moderate to severe pain associated with
chronic osteoarthritis

Pain Pract 13 (2013)18 - 29

+Rauck,R.L.

What is the case for prescribing long-acting opioids over
short-acting opioids for patients with chronic pain? A critical
review

Pain Practice 9 (2009)468 - 79

+Rauck,R.L.

Bookbinder,S.A., Bunker,T.R., Alftine,C.D., Gershon,S., de
Jong,E., Negro-Vilar,A., Ghalie,R.

A randomized, open-label, multicenter trial comparing once-
a-day AVINZA (morphine sulphate extended-release capsules)
versus twice-a-day OxyContin (oxycodone hydrochloride
controlled-release tablets for the treatment of chronic,
moderate to severe low back pain: improved physical
functioning in the ACTION trial

J Opioid Manag 3 (2007)35 – 43

+Rauck,R.L.

Hale,M.E., Bass,A., Bramson,C., Pixton,G., Wilson,J.G.,
Setnik,B., Meisner,P., Sommerville,K.W., Malhotra,B.K.,
Wolfram,G.

A randomized, double-blind, placebo-controlled efficacy and
safety study of ALO-02 (extended-release oxycodone
surrounding sequestered naltrexone) for moderate-to-severe
low back pain treatment

Pain 156 (2015)1660 - 9

+Rauck,R.L.

Shaibani,A., Biton,V., Simpson,J., Koch,B.

Lacosamide in painful diabetic peripheral neuropathy: a
phase 2 double blind placebo controlled study

Clin J Pain 23 (2007)150 – 8

+Rauschnig,W.

Normal and pathologic anatomy of the lumbar root canals

- Spine 12 (1987)1008 – 19
- Rauschning,W. Anatomy and pathology of the lumbar spine
- In: Frymoyer,J.W. (ed) The adult spine: principles and practice. Raven Press, New York, 1991, pp 1465 – 86 (zit. van Roy et al., 2001)
- +Rauschning,W. New perspectives in spinal anatomy
- Spine 41 (2016)7S: S4 - 5
- +Ray,I. Lipton,R.B., Zimmerman,M.E., Katz,M.J., Derby,C.A.
Mechanisms of associations between obesity and chronic pain in the elderly
- Pain 152 (2011)53 - 9
- Ray,P.P. Botulinum toxin therapy in pain management
- Anesthesiol Clin N Am 21 (2003)715 – 31 (zit. Ho & Tan, 2007)
- +Ray,S. Salzer,I., Kronschläger,M.T., Boehm,S.
The paracetamol metabolite N-acetyl-p-benzoquinone imine reduces excitability in first- and second-order neurons of the pain pathway through actions on K_v7 channels
- Pain 160 (2019)954 - 64
- +Ray,W.A. Chung,C.P., Murray,K.T., Hall,K., Stein,M.
Prescription of long-acting opioids and mortality in patients with chronic noncancer pain
- JAMA 315 (2016)2415 – 23
- +Raymond,L.A. Tingley,W.G., Blackstone,C.D., Roche,K.W., Huganir,R.L.
Glutamate receptor modulation by protein phosphorylation
- J Physiol Paris 88 (1994)181 – 92
- +Rayner,L. Hotopf,M., Petkova,H., Matcham,F., Simpson,A., McCracken,L.M.
Depression in patients with chronic pain attending a specialised pain treatment center: prevalence and impact on health care costs
- Pain 157 (2016)1472 - 9

+Razin,A.	Szyf,M. DNA methylation patterns: Formation and function Biochim Biophys Acta 782 (1984)331 - 42
RCGP	Royal College of General Practitioners and Office of Population Censuses and Surveys: Morbidity Statistics from General Practice, 4th national Survey 1991 – 1992. UK: HMSO, 1995 (zit. Wynne-Jones et al., 2008)
RCGP	Royal College of General Practitioners: Clinical guidelines for the management of low back pain. 2001 http://www.rcgp.org.uk/rcgp/clinspec/guidelines/backpain/backpain19.asp (zit. Bishop & Wing, 2006)
RCR:	Royal College of Radiologists, 1995, making the best use for department of radiology, 3.ed., Guidelines for doctors, Royal College for Radiologists, 1995 (zit. Fullen et al., 2007)
+Rea,K.	Olango,W.M., Harhen,B., Kerr,D.M., Galligan,R., Fitzgerald,S., Moore,M., Roche,M., Finn,D.P. Evidence for a role of GABAergic and glutamatergic signalling in the basolateral amygdala in endocannabinoid mediated fear-conditioned analgesia in rats Pain 154 (2013)576 - 83
+Rea,K.	Olango,W.M., Okine,B.N., Madasu,M.K., McGuire,I.C., Coyle,K., Harhen,B., Roche,M., Finn,D.P. Impaired endocannabinoid signalling underpins genotype-dependent hyper-responsivity to noxious stimuli Pain 155 (2014)69 - 79
+Real,A.	Ukogu,C., Krishnamoorthy,D., Zubizerreta,N., Cho,S.K., Hecht,A.C., Iatridis,J.C. Elevated glycohemoglobin HbA1c is associated with low back pain in nonoverweight diabetics Spine J 19 (2019)225 - 31
+Rebhorn,C.	Breimhorst,M., Buniatyan,D., Vogel,C., Birklein,F. The efficacy of acupuncture in human pain models: A randomized, controlled double-blinded study

- Pain 153 (2012)1852 - 62
- +Reck,T. Dumat,W., Krebs,J., Ljutow,A.
- Ambulante multimodale Schmerztherapie. Ergebnisse eines 1-wöchigen ambulanten intensiven multimodalen Gruppenprogramms für Patienten mit chronischen unspezifischen Rückenschmerzen – retrospektive Evaluation nach 3 und 12 Monaten
- Schmerz 31 (2017)508 - 15
- +Recknagel,C. Roß,J.
- Study on the effectiveness of osteopathic treatment for women with persistent post partum back pain. A randomized controlled trial. Unpublished DO thesis
- http://www.osteopathic-research.com/index.php?option=com_jresearch&view=publication&task=show&id=13958&lang=en
- 2007, Okt.1., Zugriff 2.12.2015
- +Reckziegel,D. Abdullah,T., Wu,B., Wu,B., Huang,L., Schnitzer,T.J., Apkarian,A.V.
- Hippocampus shape deformation: a potential diagnostik biomarker for chronic back pain in women
- Pain 162 (2021)1457 – 67
doi.org/10.1097/j.pain.0000000000002143
- Reddan,M.C. Wager,T.D.
- Modeling pain using fMRI: from regions to biomarkers
- Neurosci Bull 34 (2018)208 – 15 doi.org/10.1007/s12264-017-0150-1
- +Reddell,C.R. Congleton,J.J., Hutchinson,R.D., Montgomery,J.F.
- An evaluation of a weigth lifting belt and back injury prevention training class for airline baggage handlers
- Appl Ergon 23 (1992)319 – 29
- +Reed,W.R. Long,C.R., Kawchuk,G.N., Pickar,J.G.
- Neural responses to the mechanical parameters of a high-velocity, low amplitude spinal manipulation: Effect of preload parameters

- J Manipulative Physiol Ther 37 (2014)68 - 78
- +Reed,W.R. Long,C.R., Kawchuk,G.N., Sozio,R.S., Pickar,J.G.
- Neural responses to the physical characteristics of a high-velocity, low-amplitude spinal manipulation: Effect of thrust direction
- Spine 43 (2018)1 - 9
- (+)Reed,W.R. Pickar,J.G., Sozio,R.S., Liebschner,M.A.K., Little,J.W., Gudavalli,M.R.
- Characteristics of paraspinal muscle spindle response to mechanically assisted spinal manipulation: a preliminary report
- J Manipul Physiol Ther 40 (2017)371 – 80 (Internetzugriff 1.11.2017)
- Reeh,P.W. Fischer,M.J.M.
- Nobel somatosensations and pain
- Pflügers Arch 474 (2022)405 – 20 doi.org/10.1007/s00424-022-02667-x (zit. Meßlinger, 2025)
- +Rees,C.S. Smith,A.J., O’Sullivan,P.B., Kendall,G.E., Straker,L.M.
- Back and neck pain are related to mental health problems in adolescence
- BMC Public Health 11 (2011)382
- Rees,W.E.S. Multiple bilateral subcutaneous rhizolysis of segmental nerves in the treatment of the intervertebral disc syndrome
- Ann Gen Prac 16 (1971)126 – 7 (zit. Bogduk, 2008)
- +Rees,W.E.S. Multiple bilateral percutaneous rhizolysis
- Med J Aust (1975)1: 536 – 7
- +Reeve,A.J. Patel,S., Fox,A.,Walker,K.,Urban,L.
- Intrathecaly administered endotoxin or cytokines produce allodynia, hyperalgesia and changes in spinal cord neuronal responses to nociceptive stimuli in the rat
- Eur J Pain 4 (2000)247 – 57
- +Reeves,N.P. Cholewicki,J., Milner,T.E.

- Muscle reflex classification of low-back pain
- J Electromyogr Kinesiol 15 (2005)53 - 60
- +Reeves,N.P. Cholewicki,J., Lee,A.S., Mysliwiec,L.W.
- The effects of stochastic resonance stimulation on spine proprioception and postural control in chronic low back pain sufferers
- Spine 34 (2009)316 - 21
- +Regan,E.A. Bowler,R.P., Crapo,J.D.
- Joint fluid antioxidants are decreased in osteoarthritic joints compared to joints with macroscopically intact cartilage and subacute injury
- Osteoarthritis Cartilage 16 (2008)515 – 21
- +Regev,G.J. Kim,C.W., Thacker,B.E., Tomiya,A., Garfin,S.R., Ward,S.R., Lieber,R.L.
- Regional myosin heavy chain distribution in selected paraspinal muscles
- Spine 35 (2010)1265 - 70
- +Regling,G. Rückmann,H.J.
- The native collagen fibril-biosensor and signal conductor of the matrix of connective tissues
- Bioelectrochem Bioenerg 22 (1989)241 – 54
- +Rehman,Y. Ferguson,H., Bozek,A., Blair,J., Allison,A., Johnston,R.
- Osteopathic manual treatment for pain severity, functional improvement, and return to work in patients with chronic pain
- J Am Osteop Ass 120 (2020)888 – 906
doi/10.7556/jaoa.2020.128
- Reib,L. Samaan,Z., Budd,G. et al.
- The Canadian coalition for seniors' mental health Canadian guidelines on opioid use disorder among older adults
- Toronto, Canada: Canadian Coalition for Seniors Mental Health, 2019

- +Reichborn-Kjennerud,T. Stoltenberg,C., Tambs,K., Roysamb,E., Kringlen,E.,
Torgersen,S., Harris,J.R.
- Back-neck pain and symptoms of anxiety and depression: a
population based twin study
- Psychol Med 32 (2002)1009 – 20
- +Reichert,B. Bestimmung einer Beckenasymmetrie – Sinn oder Unsinn. Ein
narratives Review
- Manuelle Med 59 (2021)19 – 25 doi.org/10.1007/s00337-
020-00703 - 4
- +Reichling,D.B. Green,P.G., Levine,J.D.
- The fundamental unit of pain is the cell
- Pain 154 (2013)S2 – S9
- +Reichling,D.B. Levine,J.D.
- Critical role of nociceptor placticity in chronic pain
- Trends Neurosci 32 (2009)611 – 8
- +Reid,R.A. Fricker,P.A., Kestermann,O., Shakespear,P.
- A profile of female rower’s injuries and illnesses at the
Australian institute of sport
- EXEL 5 (1987)17 - 20
- +Reid,D. McNair,P.
- Factors contibuting to low back pain in rowers
- Brit J Sports Med 34 (2000)321 – 5
- +Reid,G.J. Golbert,C.A., McGrath,P.J.
- The pain coping questionnaire:preliminary validation
- Pain 76 (1998)83 – 96
- Reid,R. Fricker,P., Kestermann,O., Shakespear,P.
- A profile of female rower’s injuries and illnesses at the
Australian institute of sport
- Excel 5 (1989)17 – 20 (zit. Caldwell et al., 2003)
- Reimer,M. Hüllemann,P., Hukauf,M., Keller,T., Binder,A.,
Gierthmühlen,J., Baron,R.

- Prediction of response to tapentadol in chronic low back pain
Eur J Pain 21 (2017)322 – 33 (Internetinsicht 29.8.2017)
- +Reina,M.A. Dittmann,M., Lopez,G.A., van Zundert,A.

New perspectives in the microscopic structure of the human dura mater in the dorsolumbar region
Reg Anesth 22 (1997)161 – 6
- +Reinecke,H. Sorgatz,H.

S3 – Leitlinie LONTS. Langzeitanwendung von Opioiden bei nicht tumorbedingten Schmerzen
Schmerz 23 (2009)440 - 7
- +Reinert,A. Treede,R.D., Bromm,B.

The pain inhibiting pain effect: an electrophysiological study in humans
Brain Res 862 (2000)103 – 10
- Reinert,O.C. Fundamentals of Chiropractic Technique; Chesterfield, MO, Marian Press, 1983
- +Reinhardt,R. Subokcipitalregion: Ergebnisse empirischer Arbeiten bezüglich lokaler Interventionen. Ein narratives Review
Osteopath Med 20 (2019)1: 27 - 31
- Reinmann,L.J.G. Raumfordernde Juxtafacettenzysten an der Wirbelsäule
Dissertation, Düsseldorf 2002 (zit. Schirmer, 2004)
- +Reis Rodrigues,L.M. siehe Rodrigues,L.M.R.
- +Reis,S. Hermoni,D., Borkan,J.M., Biderman,A., Tabenkin,C., Porat,A.

A new look at low back complaints in primary care: a RAMBAM Israeli Family Practice Research Network study
J Fam Pract 48 (1999)299 – 303
- +Reisfield,G.M. Maschke,K.J.

Urine drug testing in long-term opioid therapy. Ethical considerations
Clin J Pain 30 (2014)679 - 84
- +Reiss,S. Peterson,R.A., Gursky,D.M., McNally,R.J.

- Anxiety sensitivity, anxiety frequency and the prediction of fearfulness
Behav Res Ther 24 (1986)1 – 8
- +Reith,W. Von Bandscheibe bis Bechterew: Was plagt das Kreuz?
Differentialdiagnose bei Rückenschmerz
CME 5 (2008)4: 71 – 80 (DOI 10.1007/s11298-008-0158-y)
- +Reitman,C. Esses,S.I.
Conservative options in the management of spinal disorders,
part II. Exercise, education and manual therapies
Am J Orthop 24 (1995)241 – 50
- +Reitman,C.A. Cho,C.H., Bono, C.M., Ghogawala,Z., Glaser,J., Kauffmann,C.,
Mazanec,D., O’Brien Jr., D. und weitere 12 Autoren
Management of degenerative spondylolisthesis:
development of appropriate use criteria
Spine J 21 (2011)1256 – 67
doi.org/10.1016/j.spinee.2011.03.005
- +Rejas,J. Morera-Dominguez,C., Ceberio-Balda,F., Florez-Garcia,M.,
Masramon,X., Freire,O.
PB114: Analysis of the treatment of refractory chronic pain
associated to low back pain with pregabalin for 12 weeks
under routine medical practice conditions
Pain Pract 9 (2009)Suppl 1: 125
- +Reme,S.F. Hagen,E.M., Eriksen,H.R.
Expectations, perceptions, and physiotherapy predict
prolonged sick leave in subacute low back pain
BMC Musculoskel Disord 10 (2009)139
- +Reme,S.F. Tveito,T.H., Harris,A., Lie,S.A., Grasdahl,A., Indahl,A., Brox,J.I.,
Tangen,T. und weitere 7 Autoren
Cognitive interventions and nutritional supplements (the
CINS trial). A randomized controlled, multicenter trial
comparing a brief intervention with additional cognitive
behavioral therapy, seal oil, and soy oil for sick-listed low
back pain patients
Spine 41 (2016)1557 - 64

- Remmers,A.E. Sharma,U., LaMoreaux,L., Young,J.P., Moore,J., Poole,R.M.
Pregabalin treatment of patients with chronic low back pain
In: Proceedings of the 19th Annual Meeting of the American Pain Society 2000, Atlanta, Georgia, Abstract 660 (zit Khoromi et al., 2007)
- +Ren,K. Dubner,R.
Descending modulation in persistent pain: an update
Pain 100 (2002)1 - 6
- +Reneman,M.F. Selb,M., Korwisi,B., Barke,A., Escorpizo,R.S., Tu,S.W., Treede,R.D.
Towards harmonizing the concepts and definitions of pain in the World Health Organisation's Family of International Classifications
Pain 164 (2023)1240 – 4
doi.org/10.1097/j.pain.0000000000002854
- +Renganathan,M. Dib-Hajj,S., Waxman,S.G.
Na(v)1.5 underlies the “third TTX-R sodium current” in rat small DRG neurons
Mol Brain Res 106 (2002)70 – 82
- +Renkawitz,T. Boluki,D., Grifka,J.
The association of low back pain, neuromuscular imbalance, and trunk extension strength in athletes
Spine J 6 (2006)673 – 83
- +Renkawitz,T. Boluki,D., Linhardt,O., Grifka,J.
Neuromuskuläre Dysbalancen der Rückenmuskulatur im Tennissport und ihre Therapie mit einem funktionsgymnastischen Trainingsprogramm
Sportverl Sportschad 21 (2007)23 - 8
- +Renker,E.K. Schlüter,J., Neubauer,E., Schiltenswolf,M.
Therapie bei Patienten mit Rückenschmerzen.
Verordungsverhalten – subjektive Zufriedenheit – Effekte
Schmerz 23 (2009)284 - 91

+Rennie,M.J.	Wackerhage,H., Spangenburg,E.E., Booth,F.W. Control of the size of the human muscle mass Ann Rev Physiol 66 (2004)799 - 828
+Rennie,P.R.	Counterstrain tender points as indicators of sustained abnormal metabolism: advancing the Counterstrain mechanism of action theory Am Acad Osteopathy J 17 (2007)3: 17 – 22
Rennie,P.R.	Glower,,J.C. Counterstrain and exercise. An intergrated approach RennieMatrix Inc., 2001, (zit Eisenreich, 2012)
+Research Group of Acupuncture Anaesthesia	Beijing Medical Center Effect of acupuncture on the pain threshold of human skin (in chinesisch) Chin Med J 3 (1973)151 – 7
Resnick,D.	Evidence-based spine surgery Spine 32 (2007)11S: S15 – 9
+Resnick,D.	Niwayama,G., Goergen,T.G. Degenerative disease of the sacroiliac joint Invest Radiol 10 (1975)608 – 21
+Resnick,D.K.	Tosteson,A.N.A., Groman,R.F., Ghogawala,Z. Setting the equation. Establishing value in spine care Spine 39 (2014)22S: S43 – S50
+Retchless,B.S.	Gao,W., Johnson,J.W. A single GluN2 subunit residue controls NMDA receptor channel properties via intersubunit interaction Nature Neurosci 15 (2012)406 - 13
+Retzlaff,E.W.	Berry,A.H., Haight,A.S., Parente,P.A., Lichty,H.A., Turner,D.M., Yezbick,A.A., Lapcevic,J.B., Nowland,D.J. The piriformis muscle syndrome J Am Osteopath Assoc 73 (1974)799 – 807

- +Reuben,D.B. Tinetti,M.F.
- Goal-oriented patient care – analternative health outcomes paradigm
- N Engl J Med 366 (2012)777 – 9
- +Reuben,S.S. Buvanendran,A.
- Preventing the development of chronic pain after orthopaedic surgery with preventive multimodal analgesic techniques
- J Bone Joint Surg Am 89 (2007)1343 – 58
- +Reuber,M. Schultz,A., Denis,F., Spencer,D.
- Bulging of lumbar intervertebral disks
- J Biomech Engen 104 (1982)187 – 92
- +Reuss,M.H. Reuss,S.
- Nitric oxide synthase neurons in the rodent spinal cord: distribution, relation to substance P fibers, and effects of dorsal rhizotomy
- J Chem Neuroant 21 (2001)181 – 96
- +Reuss-Borst,M. Hartmann,U., Wentrock,S.
- Wirkungen eines sanften Gerätetrainings während stationärer Rehabilitation bei Patienten mit chronischem Rückenschmerz
- Dt Z Sportmed 59 (2008)263 - 7
- +Reuter,J. Mehnert,S.
- Engpasssyndrome peripherer Nerven bei Sportlern
- Sportverl Sportschad 27 (2013)130 - 46
- +Revel,M. Poiraudreau,S., Aulelay,G.R., Payan,C., Denke,A., Chevrot,A., Fermanian,J.
- Capacity of the clinical picture to characterize low back pain relieved by facet joint anesthesia. Proposed criteria to identify patients with painful facet joints
- Spine 23 (1998)1972 – 7
- +Revici,E. Stoopen,E., Frenk,E., Ravich,R.A.

- The painful focus. II. The relation of pain to local physiochemical changes
Bull Inst Appl Biol 1 (1949)21 – 38
- +Reyes-Gibby,C.C. Shete,S., Rakvag,T., Bhat,S.V., Skorpen,F., Bruera,E., Kaasa,S., Klepstad,P.
Exploring joint effects of genes and the clinical efficacy of morphine for cancer pain: OPRM1 and COMT gene
Pain 130 (2007)25 - 30
- +Reyes-Llerena,G.A. Guibert Toledano,M., Hernandez Martinez,A.A., Gonzales Otero,Z.A., Alcozer Varela,J., Cardiel,M.H.
Prevalence of musculoskeletal complaints and disability in Cuba. A community-based study using the COPCORD core questionnaire
Clin Exp Rheumatol 18 (2000)739 – 42
- +Reyes-Llerena,G.A. Guibert-Toledano,M., Penedo-Coello,A., Perez-Rodriguez,A., Baez-Duenas,R.M., Charnicharo-Vidal,R., Cardiel,M.H.
Community-based study to estimate prevalence and burden of illness of rheumatic diseases in Cuba: a COPCORD
J Clin Rheumatol 15 (2009)51 – 5
- +Reynolds,D.V. Surgery in the rat during electrical analgesia induced by focal brain stimulation
Science 164 (1969)444 – 5
- +Rezai,M. Cote,P., Cassidy,J.D., Carroll,L.
The association between prevalent neck pain and health related quality of life: a cross-sectional analysis
Eur Spine J 18 (2009)371 – 81
- +Rezaian,S.M. Spector,I.M., Collins,A.
A new clinical classification of low back pain: a practical guide for diagnosing etiology by patient history
J Neurol Orthop Med Surg 14 (1993)205 – 9
- +Rezende,R.M: dos Reis,W.G.P., Duarte,I.D.G., Lima,P.P., Bakhle,Y.S., de Francischi,J.N.

- The analgesic actions of centrally administered celecoxib are mediated by endogenous opioids
- Pain 142 (2009)94 - 100
- +Reznikov,I. Pud,D., Eisenberg,E.
- Oral opioid application and hyperalgesia in patients with cancer or chronic nonmalignant pain
- Brit J Clin Pharmacol 60 (2005)311 – 8
- +Rhalmi,S. Yahia,L.H., Newman,N., Isler,M.
- Immunohistochemical study of nerves in lumbar spine ligaments
- Spine 18 (1993)264 – 7
- +Rhode,J. Schmerzhaftes Funktionsstörungen in der Becken-Hüftregion bei lumbalen Radikulärsyndromen. Häufigkeit und Bedeutung
- Manuelle Medizin 37 (1999)85 - 8
- +Rhode,J. Stand- und Gangstörungen (Hinken) beim lumbalen Radikulärsyndrom
- Manuelle Med 49 (2011)19 - 24
- +Rhode,J. Steiniger,J., Gerlach,T., Jaschke,B., Rudolph,U.
- Die Wirksamkeit von Traktionen der Lendenwirbelsäule bei lumbalem Diskusprolaps
- Manuelle Med 45 (2007)183 - 90
- +Rhodin,A. Grönbladh,L., Nilsson,L.H., Gordh,T.
- Methadone treatment for chronic non-malignant pain and opioid dependence – a long term follow-up
- Eur J Pain 10 (2006)271 - 8
- +Rhodin,A. Stridsberg,M., Gordh,T.
- Opioid endocrinopathy: A clinical problem in patients with chronic pain and long-term oral opioid treatment
- Clin J Pain 26 (2010)374 - 80
- Rhon,D.J. Greenlee,T.A., Poehlen,E., Beneciuk,J.M., Green,C.L., Hando,B.R., Childs,J.D., George,S.Z.

- Effects of risk-stratified care on disability among adults with low back pain treated in the military health system: a randomized clinical trial
- JAMA Netw Open 6 (2023)e2321919
doi.org/10.1001/jamanetworkopen.2023.21929
- +Rhon,D.J. Miller,R.B., Fritz,J.M.
- Effectiveness and downstream healthcare utilisation for patients that received early physica therapy versus usual care for low back pain. A randomized clinical trial
- Spine 43 (2018)1313 - 21
- +Rhudy,J.L.: The importance of emotional processes in the modulation of pain (Commentary)
- Pain 146 (2009)233 - 4
- +Rhudy,J.L. Does endogenous pain inhibition make a better athlete, or does intense athletics improve endogenous pain inhibition (commentary)
- Pain 154 (2013)2241 - 2
- +Rhudy,J.L. Grimes,J.S., Meagher,M.W.
- Fear-induced hypoalgesia in humans: effects on low intensity thermal stimulation and finger temperature
- J Pain 5 (2004)458 – 68
- +Rhudy,J.L. Martin,S.L., Terry,E.L., France,C.R., Bartley,E.J., del Ventura,J.I., Kerr,K.L.
- Pain catastrophizing is related to temporal summation of pain but ot temporal summation of the nociceptive flexion reflex
- Pain 152 (2011)794 - 801
- +Rhudy,J.L. Martin,S.L., Terry,E.L., DelVentura,J.L., Kerr,K.L., Palit,S.
- Using multilevel growth curve modelling to examine emotional modulation of temporal summation of pain (TS-pain) and the nociceptive flexion reflex (TS-NFR)
- Pain 153 (2012)2274 - 82
- +Rhudy,J.L. Meagher,M.W.
- Fear and anxiety: divergent effect on human pain thresholds

	Pain 84 (2000)65 – 75
-Rhudy,J.L.	Meagher,M.W.
	Noise stress and human pain thresholds: differgent effects in men and women
	J Pain 2 (2001)57 – 64 (zit. Ford & Finn, 2008)
+Rhudy,J.L.	Williams,A.E., McCabe,K.M., Rambo,P.L., Russel,J.L.
	Emotional modulation of spinal nociception and pain: The impact of predictable noxious stimulation
	Pain 126 (2006)221 – 33
+Rhyne,A.L.	Smith,A.E., Wood,K.E., Darden,B.V.
	Outcome of unoperated discogram-positive low back pain
	Spine 20 (1995)1997 – 2001
-Ribeiro,D.C.	Aldabe,D., Abbott,J.H., Sole,G., Milosavljevic,S.
	Dose-response relationship between work-related cumulative postural exposure and low back pain: A systematic review
	Ann Occup Hyg 56 (2012)684 - 96
+Ribeiro,L.H.	Furtado,R.N.V., Konai,M.S., Andreo,A.B., Rosenfeld,A., Natour,J.
	Effect of facet joint injection versus systemic steroids in low back pain. A randomized controlled trial
	Spine 38 (2013)1995 - 2002
+Ribeiro-Dasilva,M.C.	Shinal,R.M., Glover,T., Williams,R.S., Staud,R., Riley III,J.L., Fillingim,R.B.
	Evaluation of menstrual cycle effects on morphine and pentazocine analgesia
	Pain 152 (2011)614 - 22
+Ricci,J.A.	Stewart,W., Chee,E., Leotta,C., Foley,K., Hochberg,M.C.
	Back pain exacerbations and lost productive time costs in United States workers
	Spine 31 (2006)3052 - 60
Richardson,C.A.	Segmentale Stabilisation im LWS und Beckenbereich

- Urban & Fischer, München 2009
- +Richardson,C.A. Hides,J.A., Wilson,S., Stanton,W.,Snijders,C.J.
- Lumbo-pelvic joint protection against antigravity forces: motor control and segmental stiffness assessed with magnetic resonance imaging
- J Gravit Physiol 11 (2004a)P119 -22
- +Richardson,C.A. Jull,G.A.
- Muscle control – pain control. What exercise would you prescribe?
- Man Ther 1 (1995)2 – 10
- Richardson,C.A. Jull,G., Hodges,P. et al.
- Therapeutic exercise for spinal segmental stabilisation in low back pain. Scientific basis and clinical approach.
- Churchill Livingstone, New York, Edinburgh, 1999,
- 2nd ed. 2004
- +Richardson,C.A. Sniders,C.I., Hides,J.A., Damen,L., Pas,M.S., Storm,J
- The relation between the transversus abdominus muscles, scroiliacal joint mechanics and low back pain
- Spine 27 (2002)399 – 405
- +Richardson,E.J. Ness,T.J., Doleys,D.M., Banos,J.H., Cianfrini,L., Richards,J.S.
- Depressive symptoms and pain evaluations among persons with chronic pain: Catastrophizing, but not pain acceptance, shows significant effects
- Pain 147 (2009)147 - 52
- +Richardson,K.A. Imhoff,T.T., Grigg,P., Collins,J.J:
- Using electrical noise to enhance the ability of humans to detect subthreshold mechanical cutaneous stimuli
- Chaos 8 (1998)599 – 603
- +Richarz,U. Waechter,S., Sabatowaski,R., Szezepansky,L., Binsfeld,H.
- Sustained safety and efficacy of one-dayly hydromorphone extended release (OROS) compared with twice-daily

- oxycodone controlled-release over 52 weeks in patients with moderate to severe chronic non-cancer pain
- Pain Pract 13 (2013)30 - 40
- +Richebe,P. Cahana,A., Rivat,C.
- Tolerance and opioid-induced hyperalgesia. Is a divorce imminent? (Commentary)
- Pain 153 (2012)1547 - 8
- Richter,H.P. Widerspruchsgeist als kreatives Element fördern: Schleichende Vereinnahmung und Entmündigung durch die Administration lassen Ärzte in Krankenhäusern und Praxen resignieren
- Dt Ärztebl 104 (2007)A2640 – 2
- +Richter,M. “Schmerzen verstehen” in der Praxis. Inhalte und klinische Anwendung
- Manuelle Med 55 (2017)265 - 73
- +Richter,M. Eck,J., Straube,T., Miltner,W.H.R., Weiss,T.
- Do words hurt? Brain responses during the processing of pain related words
- Pain 148 (2010)198 - 205
- +Richter,M. Mohokum,M.
- Selbstmanagement in der Manualtherapie bei Patienten mit chronischen Rückenschmerzen
- Manuelle Med 55 (2017)205 - 10
- +Richter,R.W. Portenoy,R., Sharma,U., Lamoreaux,L., Bockbrader,H., Knapp,L.E.
- Relief of painful diabetic peripheral neuropathy with pregabalin: a randomized, placebo-controlled trial
- J Pain 6 (2005)253 – 60
- +Richter,T. Lawall,J.
- Zur Zuverlässigkeit manualdiagnostischer Befunde
- Manuelle Med 31 (1993)1 - 11
- +Ridder,P. Die Rolle des Sakrums bei Rückenproblemen

	Manuelle Med 38 (2000)165 - 74
+Ridding,M.C.	Rothwell,J.C. Afferent input and cortical organization: a study with magnetic stimulation Exp Brain Res 126 (1999)536 – 44
+Riddle,D.L.	Stratford,P.W., Binkley,J.M. Sensitivity to change of the Roland – Morris Back pain Questionnaire: Part 2 Phys Ther 78 (1998)1197 – 207
+Riddle,D.L.	Lee,K.T., Stratford,P.W. Use of SF-36 and SF-12 health status measures: A quantitative comparison for groups versus individual patients Med Care 39 (2001)867 – 78
+Riddoch,C.J.	Bo,A.L.Wedderkopp,N., Harro,M., Klasson-Heggebo,L., Sardinha,L.B., Cooper,A.R., Ekelund,U. Physical activity levels and patterns of 9- and 15-yr-old European children Med Sci Sports Exerc 36 (2004)86 – 92
+Ridehalgh,C.	Moore,A., Hough,A. Sciatic nerve excursion during a modified passive straight leg raise test in asymptomatic participants and participants with spinally referred leg pain Man Ther 20 (2015)564 - 9
+Ridley,S.H	Dean,J.L.E., Sarsfield,S.J., Brook,M., Clark,A.R., Saklatvala,J. A p38 MAP kinase inhibitor regulates stability of interleukin-1-induced cyclooxygenase-2 mRNA FEBS Lett 439 (1998)75 – 80
Riede,D.	Chronische Rückenschmerzen – Diagnostik und Therapie Phys Rehab Kur Med 5 (1995)161 – 9 (zit. Müller et al., 2002)
Rief,W.	Henningsen,P. Somatoforme Störungen

- In : Senf,W., Broda,M. (Hrsg.) Praxis der Psychotherapie. Ein integratives Lehrbuch, 5.Aufl., Thieme, Stuttgart, New York, (2012), S. 501 – 18 (Zit. Bach & Simhandl, 2020)
- Rief,W. et al. SOMS: Das Screening für somatoforme Störungen
Huber, Bern, 1997 (zit. Hardt & Brähler, 2007)
- +Riegner,G. Posey,G., Oliva,V., Jung,Y., Mobley,W., Zeidan,F.
Disentangling self from pain: mindfulness meditation-induced pain relief is driven by thalamic default mode network decoupling
Pain 164 (2023)280 – 91
doi.org/10.1097/j.pain.0000000000002731
- Riew,K.D. Yuming,Y., Gilula,L. et al.
The effect of nerve root injections on the need for operative treatment of lumbar radicular pain. A prospective, randomized, controlled, double-blind study J Bone Joint Surg Am 82 (2000)A 1589 – 93 (zit. Yoon et al., 2005; bei Fisher & Bishop (2007)
- Rigal,J. Thelen,T., Byrne,F., Cogniet,A., Boissiere,L., Aunoble,S., Le Huec,J.C.
Prospective study using anterior approach did not show association between Modic 1 changes and low grade infection in lumbar spine
Eur Spine J 25 (2016)1000 – 5 doi.org/10.1007/s00586-016-4396-5
- +Rigamonti,E. Zordan,P., Sciorati,C., Rovere-Querini,P., Brunelli,S.
Macrophage plasticity in skeletal muscle repair
Biomed Res Int 4 (2014)560629
- +Rigoard,P. Basu,S., Desai,M., Taylor,R., Annemans,L., Tan,Y., Johnson,M.J., van den Abeele,C., North,R.
Multicolumn spinal cord stimulation for predominant back pain in failed back surgery syndrome patients: a multicenter randomized controlled trial
Pain 160 (2019)1410 - 20
- +Rihn,J.A. Kurd,M., Hilibrand,A.S., Lurie,J., Zhao,W., Albert,T., Weinstein,J.

- The influence of obesity on the outcome of treatment of lumbar disc herniation: analysis of the Spine Patient Outcome Research Trial (SPORT)
- J Bone Joint Surg Am 95 (2013)1 - 8
- +Riihimäki,H. Low back pain, its origin and risk indicators
- Scand J Work Environ Health 17 (1991)81 – 90
- Riihimäki,H. Heliövaara,M.
- Musculoskeletal disorders
- In: Aromaa,A., Koskinen,S. (eds): Health and functional capacity in Finland. Baseline results on the health 2000 health examen survey. Helsinki: Publications of the National Public Health Institute B3/2002; 2002, p. 47 – 50 (zit. Kääriä et al., 2006)
- +Riihimäki,H. Tola,S., Videman,T., Hänninen,K.
- Low back pain and occupation. A cross-sectional questionnaire study of men in machine-operating, dynamic physical work and sedentary work
- Spine 14 (1989)204 – 9
- +Riley,J. Eisenberg,E., Müller-Schwefe,G., Drewes,A.M., Arendt-Nielsen,L.
- Oxycodon: a review of use in the management of pain
- Curr Med Res Opin 24 (2008)175 – 82
- +Riley,J. Ross,J.R., Gretton,S.K., A’Hern,R., du Bois,R., Welsh,K., Thick,M.
- Proposed 5-step World Health Organisation analgesic and side effect ladder
- Eur J Pain Suppl 1 (2007)23 - 30
- +Riley,J.L. 3rd King,C.D., Wong,F., Fillingim,R.B., Mauderly,A.P.
- Lack of endogenous modulation and reduced decay of prolonged heat pain in older adults
- Pain 150 (2010)153 - 60
- (+)Riley,S.P. Swanson,B.T., Dyer,E.

- Are movement-based classification systems more effective than therapeutic exercise or guideline based care in improving outcomes for patients with chronic low back pain? A systematic review
- J Man Manipul Ther (2018) online 17.10.2018
doi.org/10.1080/10669817.2018.1532693
- +Rinaldi,R. Steindler,E.M., Wilford,B.B., Goodwin,D.
- Clarification and standardisation of substance abuse terminology
- JAMA 259 (1988)557 – 62
- +Ring,E.F. Collins,A.J., Bacon,P.A., Cosh,J.A.
- Quantitation of thermography in arthritis using multi-isothermal analysis. II. Effect of non-steroidal anti-inflammatory on the thermographic index
- Ann Rheum Dis 33 (1974)353 – 6
- +Rings,V. Positionierung der Osteopathie zur manuellen Medizin (Leserbrief)
- Manuelle Med 48 (2010)145 - 5
- +Ringler,R. Greiner,M., Kohlloeffel,L., Handwerker,H.O., Forster,C.
- BOLD effects in different areas of the cerebral cortex during painful mechanical stimulation
- Pain 105 (2003)445 – 453
- +Risch,S.V. Norvell,N.K., Pollock,M.I., Risch,E.D., Langer,H., Fulton,M., Graves,J.E., Leggett,S.H.
- Lumbar strengthening in chronic low back pain patients: physiologic and psychological benefits
- Spine 18 (1993)232 – 8
- +Ristic,D. Spangenberg,P., Ellrich,J.
- Analgesic and antinociceptive effects of peripheral nerve neurostimulation in advanced human experimental model
- Eur J Pain 12 (2008)480 - 90
- +Rittweger,J. Just,K., Kautzsch,K., Reeg,P., Felsenberg,D.

- Treatment of chronic lower back pain with lumbar extension and whole-body vibration exercises: a randomized controlled trial
- Spine 27 (2002)1829 – 34
- Ritvanen,T. Zaproudina,N., Nissen,M., Leinonen,V., Hanninen,O.
- Dynamic surface electromyographic responses in chronic low back pain treated by traditional bone setting and conventional physical therapy
- J Manipulative Physiol Ther 30 (2007)31 – 7 (zit. Bronfort et al., 2008)
- Ritz,W. Funktionsstörungen des Bewegungssystems und bio-psycho-soziale Zusammenhänge. Möglichkeiten zur Entwicklung von Therapiemotivation und adäquatem Krankheitsmodell bei Patienten mit muskuloskeletalen Schmerzsyndromen
- Schmerz 20 (2006) Suppl.1, S36 – 7
- +Ritz,W. Subgruppenspezifische Psychotherapie multifaktorieller Schmerzstörungen des Bewegungssystems. Anwendungen des ANOVA-Konzepts in der Klinik für manuelle Medizin, nichtoperative Orthopädie und Schmerzmedizin der Sana Kliniken Sommerfeld
- Manuelle Med 57 (2019)328 - 34
- +Ritzmann,D. Schlüsselregion Becken, Krankheitsbilder einer gynäkologischen/geburtshilflichen Praxis
- Manuelle Med 59 (2021)99 – 107 doi.org/10.1007/s00337-021-00776-9
- +Ritzwoller,D.P. Crounse,L., Shettrely,S., Rublee,D.
- The association of comorbidities, utilisation and costs for patients identified with low back pain
- BMC Muskuloskelt Disord 7 (2006)72
- +Rivat,C. Laulin,J.P., Corcuff,J.B., Celerier,E., Pain,L., Simmonet,G.
- Fentanyl enhancement of carrageenan-induced long-lasting hyperalgesia in rats: Prevention by the N-methyl-D-aspartate receptor antagonist ketamine
- Anesthesiology 96 (2002)381 – 91

- +Rivat,C. Richebe,P., Laboureyras,E., Laulin,J.P., Hauvouis,R., Noble,F., Moulinoux,J.P., Simmonet,G.
Polyamine deficient diet relieve pain hypersensitivity
Pain 137 (2008)125 - 37
- +Rivero-Arias,O. Campbell,H., Gray,A., Fairbank,J., Frost,H., Wilson-MacDonald,J.
Surgical stabilisation of the spine compared with a programme of intensive rehabilitation for the management of patients with chronical low back pain: cost utility analysis based on a randomized controlled trial
B Med J 330 (2005)1239 – 43
- +Rivero-Arias,O. Gray,A., Frost,H., Lamb,S.E., Steward-Brown,S.
Cost-utility analysis of physiotherapy treatment compared with physiotherapy advice in low back pain
Spine 31 (2006)1381 – 7
- +Rivner,M.H. The neurophysiology of myofascial pain syndrome
Curr Pain Headache Rep 5 (2001)432 – 40
- +Rizzo,J.A. Abbott III,T.A., Berger,M.A.
The labour productivity effects of chronic backache in the United States
Med Care 36 (1998)1471 – 88
- RKI Robert-Koch-Institut: Gesundheit in Deutschland.
RKI, Berlin, 2006 (zit. Hildebrandt & Pfingsten, 2009).
- +RKI Robert Koch Institut: Gesundheitsberichterstattung des Bundes. Rückenschmerzen
53 (2012)
- RKI - n - Robert Koch Institut (RKI). Gesundheit in Deutschland. Gesundheitsberichterstattung des Bundes. Gemeinsam getragen von RKI und Destatis. Berlin: RKI; 2015.
http://www.rki.de/DE/Content/Gesundheitsmonitoring/Gesundheitsberichterstattung/GesInDtld/gesundheit_in_deutschland_2015.pdf.
(NVL, 2017) Internetzugriff am 2.4.17: „diese Seite gibt es nicht“

- (-)RKI Robert-Koch-Institut, BURDEN 2020 – National Burden of Disease – Studie am Robert-Koch-Institut. Die Krankheitslast in Deutschland und seinen Regionen. Grundlagen einer umfassenden Planung im Gesundheitswesen
- http://www.rki.de/DE/Content/Gesundheitsmonitoring/Studien/Krankheitslast/burden_node.html
- +Ro,J.Y., Capra,N.F., Lee,J.-S., Masri,R., Chun,Y.-H.
- Hypertonic saline-induced muscle nociception and c-fos activation are partially mediated by peripheral NMDA receptors
- Eur J Pain 11 (2007)398 – 405
- +Ro,J.Y. Lee,J.S., Zhang,Y.
- Activation of TRPV1 and TRPA1 leads to muscle nociception and mechanical hyperalgesia
- Pain 144 (2009)270 - 7
- +Robb,B.W. Wachi,H., Schaub,T., Mecham,R.P., Davis,E.C.
- Characterisation of an in vitro model of elastic fiber assembly
- Mol Biol Cell 10 (1999)3595 – 605 -
- +Robbie,D.L. Tensional forces in the human body
- Orthop Rev 6 (1977)45 – 8
- Robbins,W. Clinical applications of capsinoids
- Clin J Pain 16 (2000)586 – 9 (zit. Frerick et al., 2003)
- +Roberson,G.H. Llewellyn,T.H., Taveras,J.M.
- The narrow lumbar spine syndrome
- Radiology 107 (1973)89 – 97
- +Robert,B. Szigeti,M., Deruette,J.C., Robert,L., Bouissou,H., Fabre,M.T.
- Studies on the nature of the “microfibrillar” component of elastic fibers
- Eur J Biochem 21 (1971)507 – 16
- +Robert,V. Ist Asymmetrie Dysfunktion?
- Osteopath Med 20 (2019)1: 4 - 8

+Roberts,G.M.	Roberts,E.E., Lloyd,K.N., Burke,M.S., Evans,D.P. Lumbar spinal manipulation on trial. Part II – radiological assessment Rheumatol Rehabil 17 (1978)54 – 9
+Roberts,S.	Caterson,B., Menage,J., Evans,E.H., Jaffray,D.C., Eisenstein,S.M. Matrix metalloproteinases and aggrecanase Spine 25 (2000)3005 - 13
+Roberts,S.	Eisenstein,S.M., Menage,J., Evans,E.H., Ashton,I.K. Mechanoreceptors in intervertebral discs: morphology, distribution and neuropeptides Spine 20 (1995)2645 - 51
+Roberts,S.	Evans,E.H., Kletas,D., Jaffray,D.C., Eisenstein,S.M. Senescence in human intervertebral discs Eur Spine J 15 (2006)Suppl.3: S312 – 6
+Roberts,S.	Evans,H., Trivedi,J., Menage,J. Histology and pathology of the human intervertebral disc J Bone Joint Surg Am 88 (2006a)Suppl. 2: 10 – 4
Roberts,S.	Menage,J., Sivan,S., Urban,J.P. Bovine explants model of degeneration of the intervertebral disc BMC Musculoskeletal Dis 9 (2008)24
+Roberts,S.	Urban,J., Evans,H., Eisenstein,S. Transport properties of the human cartilage endplate in relation to its composition and calcification Spine 21 (1996)415 – 20
+Robin,G.C.	Span,Y., Steinberg,R., Makin,M., Menczel,J Scoliosis in the elderly: A follow-up study Spine 7 (1982)355 – 9
+Robinson,C.J.	Torebjörk,H.E., LaMotte,R.H.

- Psychophysical detection and pain ratings of incremental thermal stimuli: a comparison with nociceptor responses in humans
- Brain Res 274 (1983)87 – 106
- +Robinson,D.R. Pyriformis syndrome in relation to sciatic pain
- Am J Surg 3 (1947)355 – 8
- +Robinson,H.S. Brox,J.I., Robinson,R., Bjelland,E., Solem,S., Telje,T.
- The reliability of selected motion- and pain provocation tests for the sacroiliac joint
- Man Ther 12 (2007)72 - 9
- +Robinson,M.B. Dowd,L.A.
- Heterogeneity and functional properties of subtypes of sodium-dependent glutamate transporters in the mammalian central nervous system
- Adv Pharmacol 37 (1997)69 – 115
- +Robinson,M.E. Craggs,J.G., Price,D.D., Perlstein,W.M., Staud,R.
- Gray matter volumes of pain-related brain areas are decreased in fibromyalgia syndrome
- J Pain 12 (2011)436 - 43
- +Robinson,M.E. George,S.Z.
- Commentary: Screening for problematic low back pain: STarT
- Pain 153 (2012)2159 - 60
- +Robinson,M.E. O'Connor,P.D., Shirley,F.R., Mac Millan,M.
- Intrasubject reliability of spinal range of motion and velocity determined by video motion analysis
- Phys Ther 73 (1993)626 – 31
- Robinson,P.C. Murray,I.R., Duckworth,A.D., Hawkes,R., Glover,D., Tilley,N.R., Hillman,R., Oliver,C.W., Murray,A.D.
- Systematic review of musculoskeletal injuries in professional golfers
- Br J Sports Med 53 (2018) doi.org/10.1136/bjsports-2018-099572

- +Robinson,R. Robinson,H.S., Bjorke,G., Kvale,A.
Reliability and validity of a palpation technique for identifying the spinous processes of C7 and L5
Man Ther 14 (2009)409 – 14
- Robinson,T. Berridge,K.
The neural incentive basis of drug craving: an incentive sensitization theory of addiction
Brain Res Rev 18 (1993)247 – 91 (zit Ballantyne & Sullivan, 2017)
- Robinson,T.E- Berridge,K.
Addiction
Annu Rev Psychol 54 (2003)25 – 53 (zit Ballantyne & Sullivan, 2017)
- Robinson,Y. Heyde,C.E., Kayser,R.
Diagnostik und Therapie der thorakalen Spondylodisitis
Man Med 45 (2007)17 – 20
- +Robinson,G.A. Butcher,R.W., Sutherland,E.W.,
Cyclic AMP
Annu Rev Biochem 37 (1968)149 – 74
- +Roca-Lapirot,O. Fossat,P., Ma,S., Egron,K., Trigilio,G., Lopez-Gonzales,M.J., Covita,J., Bouali-Benazzouz,R., Favereaux,A., Gundlach,A.L., Landry,M.
Acquisition of analgesic properties by the cholecystokinin (CCK)/CCK₂ receptor system within the amygdala in a persistent inflammatory pain condition
Pain 160 (2019)345 - 57
- +Roch,S. Föllmer,J., Hampel,P.
Mediiert die Depressivität die Beziehung zwischen Angst-Vermeidungs-Kognition und Lebensqualität ?
Schmerz 31 (2017)102 - 7

- +Roche,G. Ponthieux,A., Parot-Shinkel,E., Jousset,N., Bontoux,L., Dubus,V., Penneau-Fontbonne,D., Roquelaure,Y., Legrand,E., Colin,D., Richard,I., Fanello,S.
- Comparison of a functional restoration program with active individual physical therapy for patients with chronic low back pain: a randomized controlled trial
- Arch Phys Med Rehabil 88 (2007)1229 – 35
- +Roche-Leboucher,G. Petit-Lemanac’h,A., Bontoux,L., Dubus-Bausiere,V., Parot-Shinkel,E., Fanello,S., Penneau-Fontbonne,D., Fouquet,N., Legrand,E., Roquelaure,Y., Richard,I.
- Multidisciplinary intensive functional restoration versus outpatient active physiotherapy in chronic low back pain
- Spine 36 (2011)2235 - 42
- +Rockoff,S. Sweet,E., Bleustein,J.
- The relative contribution of trabecular and cortical bone in the strength of the human lumbar vertebrae
- Calcif Tissue Res 3 (1969)163 – 75
- Roddy,E. Doherty,M.
- Changing life-styles and osteoarthritis: what is the evidence?
- Best Pract Res Clin Rheumatol 20 (2006)81 – 97 (zit. Kidd, 2006)
- (-)RodrigueT. Hardy,R.W.
- Diagnosis and treatment of piriformis syndrome
- Neurosurg Clin N Am 12 (2001)311 – 9 (zit. Chen & Nizar, 2013)
- +Rodrigues,L.M.R. de Oliveira,L.Z., da Silva Pinhal, M.A.
- Expression of heparanase isoforms in intervertebral discsclassified according to Pfirrmann grading system for disc degeneration
- Spine 38 (2013)1112 - 18
- +Rodriguez,A.G. Slichter,C.K., Acosta,F.L., Rodriguez-Soto,A.E., Burghardt,A.J., Majumdar,S., Lotz,J.C.
- Human disc nucleus properties and vertebral endplate permeability

- Spine 36 (2011)512 – 20
- +Rodriguez,S.A. Thambyah,A., Broom,N.D.
- A multiscale structural investigation of the annulus-endplate anchorage system and its mechanism to failure
- Spine J 15 (2015)405 - 16
- +Rodriguez,S.A. Wade,K.R., Thambyah,A., Broom,N.D.
- Micromechanics of annulus-end plate integration in the intervertebral disc
- Spine J 12 (2012)143 - 50
- +Rodriguez-Gaztelumendi,A. Spahn,V., Labuz,D., Machelska,H., Stein,C.
- Analgesic effects of a novel pH-dependent mu-opioid receptor agonist in models of neuropathic and abdominal pain
- Pain 159 (2018)2277 - 84
- +Rodriguez-Soto,A.E. Berry,D.B., Palombo,L., Valaik,E., Kelly,K.R., Ward,S.R.
- Effect of load magnitude and distribution on lumbar spine posture in active-duty marines
- Spine 42 (2017)345 - 51
- +Roeder,Z. Chen,Q.L., Davis,S., Carlson,J.D., Tupone,D., Heinricher,M.M.
- Parabrachial complex links pain transmission to descending pain modulation
- Pain 157 (2016)2697 - 708
- +Roelofs,J. Peters,M.L., McCracken,L., Vlaeyen,J.W.S.
- The pain vigilance and awareness questionnaire (PVAQ): further psychometric evaluation in fibromyalgia and other chronic pain syndromes
- Pain 101 (2003)299 -306
- +Roelofs,J. Goubert,L., Peters,M.L., Vlaeyen,J.W.S., Crombez,G.
- The Tampa scale for kinesiophobia: further examination of psychometric properties in patients with chronic low back pain and fibromyalgia
- Eur J Pain 8 (2004)495 - 502

- +Roelofs,J. Sluiter,J.K., Frings-Dresen,M.H.W., Goossens,M., Thibault,P., Boersma,K., Vlaeyen,J.W.S.
- Fear of movement and (re)injury in chronic musculoskeletal pain: evidence for an invariant two-factor model of the Tampa Scale for Kinesiophobia across pain diagnoses and Dutch, Swedish, and Canadian samples
- Pain 131 (2007)181 – 90
- +Roelofs,P.D.D.M. Deyo,R.A., Koes,B.W., Scholten,R.J.P.M., van Tulder,M.W.
- Nonsteroidal anti-inflammatory drugs for low back pain: An updated Cochrane Review
- Spine 33 (2008)1766 – 74
- +Roelofs,P.D.D.M. Bierma-Zeinstra,S.M.A., van Poppel,M.N.M., van Mechelen,W., Koes,B.W., van Tulder,M.W.
- Cost-effectiveness of lumbar supports for home care workers with recurrent low back pain: An economic evaluation alongside a randomized-controlled trial
- Spine 35 (2010)E 1619 - 26
- Roenneberg,C. Sattel,H., Schaefer,R., Henningsen,P., Hausteiner-Wiehle,C.
- Clinical practice guideline: functional somatic symptoms
- Dtsch Ärztebl Int 116 (2019)553 - 60
- +Roenz,D. Broccolo,J., Brust,S., Billings,J., Perrott,A., Hagadorn,J., Cook,C., Cleland,J.
- The impact of pragmatic vs. prescriptive study designs on the outcomes of low back and neck pain when using mobilization or manipulation techniques: a systematic review and meta-analysis
- J Man Manipul Ther (2017) online 20.11.2017
doi.org/10.1080/10669817.2017.1398923
- Roesel s. Rösel
- +Roesner,A. Zerritsch,I., Schäfer,A.
- Edukation bei akuten lumbalen Rückenschmerzen. Inhalte der Schmerzedukation bei Patient*innen mit akuten unspezifischen lumbalen Rückenschmerzen – ein Scoping – Review

- Schmerz 36 (2022)266 – 71 doi.org/10.1007/s00482-022-00622-4
- Roex,J. Biomechanische Analyse der Manipulationstechniken an der Wirbelsäule
Manuelle Med. 30 (1992)38 – 42
- +Roffey,D.M. Ashdown,L.C., Dornan,H.D., Creech,M.J., Dagenais,S., Dent,R.M., Wai,E.K.
Pilot evaluation of a multidisciplinary, medically supervised, nonsurgical weight loss program on the severity of low back pain in obese adults
Spine J 11 (2011)197 - 204
- +Roffey,D.M. Wai,E.K., Bishop,P., Kwon,B.K., Dagenais,S.
Causal assessment of awkward occupational postures and low back pain: results of a systematic review
Spine J 10 (2010)89 - 99
- +Roffey,D.M. Wai,E.K., Bishop,P., Kwon,B.K., Dagenais,S.
Causal assessment of occupational sitting and low back pain: results of a systematic review
Spine J 10 (2010a)252 - 61
- +Roffey,D.M. Wai,E.K., Bishop,P., Kwon,B.K., Dagenais,S.
Causal assessment of occupational standing or walking and low back pain: results of a systematic review
Spine J 10 (2010b)262 - 72
- +Roffey,D.M. Wai,E.K., Bishop,P., Kwon,B.K., Dagenais,S.
Causal assessment of occupational pushing or pulling and low back pain: results of a systematic review
Spine J 10 (2010c)544 - 53
- +Rogachov,A. Cheng,J.C., Erpelding,N., Hemington,K.S., Crawley,A.P., Davis,K.D.
Regional brain signal variability: a novel indicator of pain sensitivity and coping
Pain 157 (2016)2483 - 92

- +Rogers,E.L. Granata,K.P.
Disturbed paraspinal reflex following prolonged flexion-relaxation and recovery
Spine 31 (2006)839 – 45
- +Rogers,W.H. Wittink,H., Wagner,A., Cynn,D., Carr,D.B.
Assessing individual outcomes during outpatient multidisciplinary chronic pain treatment by means of an augmented SF-36
Pain Med 1 (2000)44 – 54
- Rogers,W.H. Wittink,H., Ashburn,M.A., Cynn,D., Carr,D.B.
Using the “TOPS”, an outcomes instrument for multidisciplinary chronic pain treatment
Pain Med 1 (2000a)55 – 67 (zit. Haroutiunian et al., 2012)
- +Roh,D.H. Kim,H.W., Yoon,S.Y., Seo,H.S., Kwon,Y.B., Han,H.J., Beitz,A.J., Lee,J.H.
Depletion of capsaicin sensitive afferents prevents lamina-dependent increases in spinal N-methyl-D-aspartate receptor subunit 1 expression and phosphorylation associated with thermal hyperalgesia in neuropathic rats
Eur J Pain 12 (2008)552 - 63
- +Rohan,M.X.Jr. Ohnmeiss,D.D., Guyer,R.D., Zigler,J.E., Blumenthal,S.L., Hochschuler,S.H., Sachs,B.L., Rashbaum,R.F.
Relationship between the length of time off work preoperatively and clinical outcome at 24-month follow-up in patients undergoing total disc replacement or fusion
Spine J 9 (2009)360 – 5
- Rohde,J. Zervikales und lumbales Radikulärsyndrom
Manuelle Med 35 (1997) 313 – 8
- +Rohde,J. Stand- und Gangstörungen (Hinken) beim lumbalen Radikulärsyndrom
Manuelle Med 49 (2011)19 - 24
- +Rohde,J. Neuere Hypothesen zur Evolution der Aufrichtung, des Fußes und der Hand des Menschen. Mögliches manualtherapeutisches und naturheilkundliches Vorgehen

- Manuelle Med 49 (2011a)231 - 6
- +Rohde,J. Die sensomotorische fazilitation (Kurzfußtechnik) nach Janda.
Therapeutische Reizung der Tiefensensibilität Manuelle Med
50 (2012)183 – 8
- +Rohof,O. Intradiscal pulsed radiofrequency application following
provocative discography for the management of
degenerative disc disease and concordant pain: a pilot study
Pain Pract 12 (2012)342 - 9
- +Röhrig,B. du Prel,J.B., Blettner,M.
Studiendesign in der medizinischen Forschung
Dt Ärztebl 106 (2009)184 - 9
- +Rohrlich,J.T. Sadhu,A., Sebastian,A., Ahn,N.U.
Risk factors for nonorganic low back pain in patients with
worker's compensation
Spine J 14 (2014)1166 - 70
- +Roland,M. Fairbank,J.
The Roland-Morris disability questionnaire and the Oswestry
disability questionnaire
Spine 25 (2000)3115 – 24
- +Roland,M. Morris,R.
A study of the natural history of back pain. Part I.
Development of a reliable and sensitive measure of disability
in low back pain
Spine 8 (1983)141 – 44
- +Roland,M. Morris,R.
A study of the natural history of back pain. Part II.
Development of a reliable and s
Spine 8 (1983)145 – 50
- +Roland,M.O. A critical review of the evidence for a pain-spasm-pain cycle
in spinal disorders
Clin Biomech (Bristol, Avon) 1 (1986)102 – 9
- +Rolander,S.D. Blair,W.E.

- Deformation and fracture of the lumbar vertebral endplate.
Symposium on lumbar spine.
Orthop Clin North Am 6 (1975)75 – 81
- +Rolke,R. Radbruch,L.
Screening und Diagnostik neuropathischer Schmerzen
Nervenheilkunde 31 (2012)125 - 31
- Rollason,J. McDowell,A., Albert,A.B. et al.
Genotypic and antimicrobial characterisation of
Propionibacterium acnes isolates from surgical excised
lumbar disc herniations
Biomed Res Int (2013)530382 (so zit. Kristoffersen et al.,
2023)
- +Rolli Salathe,C. Elfering,A., Melloh,M.
Wirksamkeit, Zweckmäßigkeit und Wirtschaftlichkeit des
multimodalen Behandlungsansatzes bei chronischen
lumbalen Rückenschmerzen
Schmerz 26 (2012)131 - 49
- Roman-Juan,J. Jensen,M.P., Miro,J.
Increases in sleep difficulties and psychological symptoms are
associated with the increase in chronic back pain in
adolescents: the HBSC Study 2002 to 2018
J Pain 25 (2024)2: 407 – 17
doi.org/10.1016/j.jpain.2023.09.004
- Romano,J.M. Turner,J.A.
Chronic pain and depression: does the evidence support a
relationship?
Psych Bull 97 (1985)18 – 34 (zit. Geisser et al., 2006, Boersma
& Linton, 2006)
- +Romeo,V. Covello,M., Salvatore,E., Parente,C.A., Abbenante,D.,
Biselli,R., Ciriello,M., Musolino,P., Salvatore,M., Cangiano,A.
High prevalence of spinal magnetic resonance imaging
findings in asymptomatic young adults (18 – 22 yrs) candidate
to air force flight
Spine 44 (2019)872 - 8

- Rompe,G.- n - Beinlängendifferenzen
Inform Berufsverb Orthop 2 (1978)31 (so zit. Neumann, 1999)
- Ronge,R. Prüfung der Hüftbeweglichkeit
Sportverl Sportschad 21 (2007)111
- +Roofe,P.G. Innervation of annulus fibrosus and posterior longitudinal ligament
Arch Neurol Psych 44 (1940)100 – 3
- +Roots,S.A. Niven,E., Moran,R.W.
Osteopaths’ clinical reasoning during consultation with patients experiencing acute low back pain: a qualitative case study approach
Int J Osteopath Med 19(2015)20 - 34
- +Ropponen,A. Svedberg,P., Kalso,E., Koskenvuo,M., Silventoinen,,K., Kaprio,J.
A prospective twin cohort study of disability pensions due to muskuloskeletal diagnoses in relation to stability and change in pain
Pain 154 (2013)1966 - 72
- +Rosa,A.O. Egea,J., Lorrio,S., Rojo,A.I., Cuadrado,A., Lopez,M.G.
Nrf2-mediated haeme oxygenase-1 up-regulation induced by cobalt protoprphyrin has antinociceptive effects against inflammatory pain in the formalin test in mice
Pain 137 (2008)332 -9
- +Rosatelli,A.I. Agur,A.M., Chaya,S.,
Anatomy of the interosseus region of the sacroiliacal joint
J Orthop Sports Phys Ther 36 (2006)200 – 8
- +Rosatelli,A.I. Ravichandiran,,K., Agur,A.M.
Three-dimensional study of the musculotendinous architecture of lumbar multifidus and its functional implications
Clin Anat 21 (2008)539 – 46

- +Rose,K. Ooi,L., Dalle,C., Robertson,B., Wood,I.C., Gamper,N.
Transcriptional repression of the M-channel subunit Kv7.2 in chronic nerve injury
Pain 152 (2011)742 - 54
- +Rose,M.J. Klenerman,L., Atchinson,L., Slade,P.D.
An application of the fear-avoidance model to three chronic pain problems
Behav Res Ther 30 (1992)359 – 65
- +Roseen,E.J. Gerlovin,H., Felson,D.T., Delitto,A., Sherman,K.J., Saper,R.B.
Wich chronic low back pain patients respond favorably to yoga, physical therapy, and a self care book? Responder analyses from a randomized, controlled trial
Pain Med 22 (2021)165 – 80 doi.org/10.1093/pm/pnaa153
- +Rose-Innes,A.P. Engstrom,J.W.
Low back pain. An algorithm approach to diagnosis and management
Geriatrics 53 (1998)26 – 8, 33 – 6, 39 – 40
- +Rösel,S. Burian,R.
Arbeit mit Kognitionen, Emotionen und Verhalten in der Therapie chronischer Schmerzen. So wirkt die Akzeptanz- und Commitment-Therapie (ACT)
Manuelle Med 61 (2023)153 – 9 doi.org/10.1007/s00337-023-00979-2
- +Rosen,C.S. Drescher,K.D., Moos,R.H., Finney,J.W., Murphy,R.T., Gusman,F.
Six- and ten-item indexes of psychological distress based on the symptom checklist-90
Assessment 7 (2000)103 – 11
- +Rosen,S.F. Ham,B., Haichin,M., Wlaters,I.C., Tohyama,S., Sotocinal,S.G., Mogil,J.S.
Increased pain sensitivity and decreased opioid analgesia in T-cell-deficient mice and implications for sex differences
Pain 160 (2019)358 - 66

- +Rosenberg,J.M. Bilka,B.M., Wilson,S.M., Spevak,C.,
- Opioid therapy for chronic pain: overview of teh 2017 US
Department of veterans affairs and US Department of
Defense clinical practice guideline
- Pain Med 19 (2018)928 – 41 (zit. Hamilton et al., 2023)
- +Rosenberg,N.R. Petersen,S.B., Begtrup,L.M., Flachs,E.M., Petersen,J.A.,
Hansen,B.B., Kirkeskov,L., Bliddal,H., und weitere 4 Autoren
- Early occupational intervention for people with low back pain
in physical demanding jobs: 1 – year follow up results on the
randomized contolled GOBACK trial
- Spine 46 (2021)347 – 55
doi.org/10.1097/BRS.0000000000003793
- +Rosenblum,A. Joseph,H., Fong,C., Kipnis,S., Cleland,C., Portenoy,R.K.
- Prevalence and characteristics of chronic pain among
chemically dependent patients in methadone maintenance
and residential treatment facilities
- JAMA 289 (2003)2370 – 8
- +Rosendal,L. Larsson,B., Kristiansen,J., Peolsson,M., Sogaard,K., kjaer,M.,
Sorensen,J., Gerdle,B.
- Increase in muscle nociceptive substances and anaerobic
metabolism in patients with trapezius myalgia: microdialysis
in rest and during exercise
- Pain 112 (2004)324 - 34
- +Rosenhagen,A. Pommerening,S., Vogt,L., Banzer,W.
- Leistungssport und Gesundheitsvorsorge bei Kindern und
Jugendlichen – Prävalenzratio hessischer D-Kaderathleten
- Sportverl Sportschad 23 (2009)206 - 9
- +Rosenstiel,A.K. Keefe,F.J.
- The use of coping strategies in chronic low back pain patients:
relationships to patient characteristics and current
adjustment
- Pain 17 (1983)33 – 44
- +Rosomoff, H.L. Fishbain,D.A., Goldberg,M., Santana,R., Rosomoff,R.S.

- Physical findings in patients with chronic intractable benign pain of the neck and/or back
Pain 37 (1989)279 – 87
- +Ross,J.K. Bereznick,D.E., McGill,S.M.
Determining cavitation location during lumbar and thoracic spinal manipulation. Is spinal manipulation accurate and specific?
Spine 29 (2004)1452 – 7
- Ross,J.S. Point of view
Spine 31 (2006)1613
- +Rossi,F. Spondylolysis, spondylolisthesis and sports
J Sport Med Phys Fitness 18 (1972)317-40
- +Rossi,F. Jankovski,A., Sotelo,C.
Differential regenerative response of Purkinje cell and inferior olivary axons confronted with embryonic grafts: environmental cues versus intrinsic neuronal determinants
J Comp Neurol 359 (1995)663 – 77
- +Rossi,M. Pasanen,K., Kokko,S., Alanko,L., Heinonen,O.J., Karpelainen,R., Savonen,K., Selänne,H und weitere 5 Autoren
Low back and neck and shoulder pain in members and non-members of adolescents' sports clubs: the Finnish Health Promoting Sports Club (FHPSC) study
BMC Musculoskelet Disord 17 (2016)263
- +Rossignol,M. Poitras,S., Dionne,C., Toussignant,M., Truchon,M., Arsenault,B., Allard,P., Cote,M., Neveu,A.
An interdisciplinary guideline development process: the Clinic on Low-back pain in Interdisciplinary Practice (CLIP) low-back pain guidelines
Implement Sci 2 (2007)36
- Rossvoll,I. Junk,S., Terjesen,T.
The effect on low back pain of shortening osteotomy for leg length inequality
Int Orthop 16 (1992)388 – 91 (zit. Defrin et al., 2005)

- Rostom,A. et al. Prevention of NSAID-induced gastroduodenal ulcers
Cochrane Database Syst Rev 2004, CD002296 (zit. AMK, 2007)
- +Roussel,N. . de Kooning,M., Schutt,A., Mottram,S., Truijen,S., Nijs,J., Daenen,I.
Motor control and low back pain in dancers
Int J Sports Med 34 (2013)138 – 43
- +Rothaug,J. Weiss,T., Meissner,W.
How simple can it get? Measuring pain with NRS items or binary items
Clin J Pain 29 (2013)224 - 32
- +Rothenberg,R. Rheumatic diseases aspects of leg length inequality
Sem Arthrit Rheumat 17 (1988)196 – 205
- +Rother,K. Rother,D.
Osteopathic treatment of women with persistent low back/pelvic girdle pain postpartum
http://www.osteopathic-research.com/index.php?option=com_jresearch&view=publication&task=show&id=15181&lang=en
2012, December 26, Zugriff 2.12.2015
- +Rothman,M.G. Ortendahl,M., Rosenblad,A., Johansson,A.C.
Improved quality of life, working ability, and patient satisfaction after a pretreatment multimodal assessment method in patients with mixed chronic muscular pain. A randomized controlled study
Clin J Pain 29 (2013)195 - 204
- +Rothman,S.M. Ma,L.H., Whiteside,G.T., Winkelstein,B.A.
Inflammatory cytokine and chemokine expression is differentially modulated acutely in the dorsal root ganglion in response to different nerve root compressions
Spine 36 (2011)197 - 202
- +Rothstein,D. Zenz,M.

- Chronischer Schmerz im ärztlichen Alltag
Internist 46 (2005)1122 – 32
- +Roth-Isigkeit,A. Raspe,H.H., Stoven,H., Thyen,U., Schmucker,P.
Schmerzen bei Kindern und Jugendlichen – Ergebnisse einer
explorativen epidemiologischen Studie
Schmerz 17 (2003)171 - 8
- +Roth-Isigkeit,A. Schwarzenberger,J., Baumeier,W., Meier,T., Lindig,M.,
Schmucker,P.
Risikofaktoren für Rückenschmerzen bei Kindern und
Jugendlichen in Industrienationen
Schmerz 19 (2005)535 - 43
- +Roth-Isigkeit,A. Thyen,U., Raspe,H.H. Stöven,H., Schmucker,P.
Reports of pain among German children and adolescents: an
epidemiological study
Acta Paediatr 93 (2004)258 -63
- Roth-Isigkeit,A. Thyen,U., Stöven,H. et al.
Pain among children and adolescents: restrictions in daily
living and triggering factors
Pediatrics 115 (2005a)e152 -62 (zit. McBeth & Jones, 2007)
- +Roughley,P.J. Biology of intervertebral disc aging and degeneration:
involvement of the extracellular matrix
Spine 29 (2004)2691 – 9
- +Roughley,P.J. Point of view
Spine 32 (2007)1310
- +Roughley,P.I. Alini,M., Antoniou,J.
The role of proteoglycans in aging, degeneration and repair of
the intervertebral disc
Biochem Soc Trans 30 (2002)869 – 74
- +Roughley,P.I. Martens,D., Rantakokko,J., Alini,M., Mwale,F., Antoniou,J.
The involvement of aggrecan polymorphism in degeneration
of human intervertebral disc and articular cartilage

- Eur Cell Mater 11 (2006)1 – 7
- +Roughley,P.I. Melching,L.J., Heathfield,T.F., Pearce,R.H., Mort,J.S.
The structure and degradation of aggrecan in human intervertebral disc
Eur Spine J 15 (2006a)Suppl 1: S326 – 32
- +Roussel,N.A. Nijs,J., Meeus,M., Mylius,V., Fayt,C., Oostendorp,R.
Central sensitization and altered central pain processing in chronic low back pain. Fact or myth?
Clin J Pain 29 (2013)625 - 38
- +Rowbotham,M.C. Duan,W.R., Thomas,J., Nothaft,W., Backonja,M.M.
A randomized, double-blind, placebo-controlled trial evaluating the efficacy and safety of ABT-594 in patients with diabetic peripheral neuropathic pain
Pain 146 (2009)245 - 52
- +Rowbotham,M.C. Gilron,I., Glazer,C., Rice,A.S.C., Smith,B.H., Steward,W.F., Wasan,A.D.
Can pragmatic trials help us better understand chronic pain and improve treatment?
Pain 154 (2013)643 - 6
- +Rowbotham,M.C. Twilling,L., Davies,P.S., Reisner,L., Taylor,K., Mohr,D.
Oral opioid therapy for chronic peripheral and central neuropathic pain
N Engl J Med 348 (2003)1223 - 80
- Rowe,M.L. Low back disability in industry: update position
J Occup Med 13 (1971)476 – 8 (zit. Kovacs et al., 2003)
- (-)Roy,R. Galan,S., Sanchez-Rodriguez,E., Racine,M., Jensen,M.P., Sole,E., Miro,J,
Cross-national trends of chronic back pain in adolescents: results from the HBSC study, 2001 – 2014
J Pain (2021) August 02, doi.org/10.1016/j.jpain.2021.07.002
- +Roy,T.C. Lopez,H.P., Piva,S.R.

- Loads worn by soldiers predict episodes of low back pain during deployment to Afghanistan
- Spine 38 (2013)1310 - 7
- +Roy-Byrne,P. Sullivan,M.D., Sherbourne,C.D., Golinelli,D., Craske,M.G., Sullivan,G., Stein,M.B.
- Effects of pain and prescription opioid use on outcomes in a collaborative care intervention for anxiety
- Clin J Pain 29 (2013)800 - 6
- Royal,M.A. Bhakta,B., Guneya,I. et al.
- Radiofrequency neurolysis for facet arthropathy: A retrospective case serie and review of the literature
- Pain Pract 2 (2002)47 – 52 (zit. Smuck et al., 2012)
- Rua,R. McGavern,D.B.
- Advances in meningeal immunity
- Trends Mol Med 24 (2018)542 – 59
doi.org/10.1016/j.molmed.2018.04.003 (zit. Bordoni et al., 2019)
- +Rubin,D.I. Epidemiology and risk factors for spine pain
- Neurol Clin 25 (2007)353 - 71
- Rubbo,H. Radi,R., Trujillo,M. et al.
- Nitric oxide regulation of superoxide and peroxynitrite-dependent lipid peroxidation. Formation of novel nitrogen containing oxidized lipid derivates
- J Biol Chem 269 (1994)26066 – 75 (zit. Poveda et al., 2009)
- +Rubinstein,A.L. Carpenter,D.M., Minkoff,J.R.
- Hypogonadism in men with chronic pain linked to the use of long-acting rather than short-acting opioids
- Clin J Pain 29 (2013)840 - 5
- +Rubinstein,S. Leboeuf-Yde,C., Knol,D., de Koekkoek,T.E., Pfeifle,C.E., van Tulder,M.W.
- Predictors of adverse events following chiropractic care for patients with nack pain

- J Manipulative Physiol Ther 31 (2008)94 – 101
- +Rubinstein,S.M. Terwee,C.B., AssendelftW.J., de Boer,M.R., van Tulder,M.W.
- Spinal manipulative therapy for acute low back pain: an update of the cochrane review
- Spine 38 (2013a)E 158 – 77
- +Rubinstein,S.M. van Middelkoop,M., Assendelft,W.J.J., van Tulder,M.W.
- Spinal manipulative therapy for chronic low-back pain
- Cochrane Summaries, 2011 (Abstrakt)
- +Rubinstein,S.M. van Middelkoop,M., Assendelft,W.J.J., de Boer,M.R., van Tulder,M.W.,
- Spinal manipulative therapy for chronic low-back pain: an update of an cochrane review
- Spine 36 (2011a)E 825 – 46
- +Rucco,V. Basadonna,P.-T., Gasparini,D.
- Anatomy of the iliolumbar ligament: a review of its anatomy and a magnetic resonance study
- Am J Phys Med Rehabil 75 (1996)451 – 5
- +Rudnik-Jansen,I. Tellegen,A., Beukers,M., Öner,F., Woike,N., Mihov,G., Thies,J., Meij,B., Tryfonidou,M., Creemers,L.
- Safety of intradiscal delivery of triamcinolone acetonide by a poly(esteramide) microsphere platform in a large animal model of intervertebral disc degeneration
- Spine J 19 (2019)905 - 19
- Rudolf,G. Henningsen,P.
- Somatoforme Störungen: theoretisches Verständnis und therapeutische Praxis
- Schattauer, Stuttgart 1998
- +Rudomin,P. Presynaptic inhibition of muscle spindle and tendon organ afferents in the mammalian spinal cord
- Trends Neurosci 13 (1990)499 – 505
- Rudwaleit,M. Metter,A., Listing,J., Sieper,J., Braun,J.

- Clinical parameters in the differentiation of inflammatory back pain from non-inflammatory back pain
- Ann Rheum Dis 61 (2002)Suppl.1: 57 (zit. Rudwaleit & Sieper, 2004)
- +Rudwaleit,M. Sieper,J
- Diagnose und Frühdiagnose der Spondylitis ankylosans
- Z Rheumatol 63 (2004)193 - 202
- +Rudy,T.E. Weiner,D.K., Lieber,S.J., Slaboda,J., Boston,J.R.
- The impact of chronic low back pain on older adults: a comparative study of patients and controls
- Pain 131 (2007)293 - 301
- +Rudy,T.E. Kerns,R.D., Turk,D.C.
- Chronic pain and depression: toward a cognitive-behavioral mediation model
- Pain 35 (1988)129 – 40
- +Rudy,T.E. Boston,J.R., Lieber,S.J., Kubinski,J.A., Stacey,B.R.
- Body motion during repetitive isodynamic lifting: a comparative study of normal subjects and low-back pain patients
- Pain 105 (2003)319 – 26
- +Ruhe,A. Bos,T., Herbert,A.
- Pain originating from the sacroiliac joint is a common non-traumatic musculoskeletal complaint in elite inline-speedskaters – an observational study
- Chiropract Man Ther 20 (2012)5
- +Ruhe,A. Fejer,R., Walker,B.
- Pain relief is associated with decreasing postural sway in patients with non-specific low back pain
- BMC Musculoskelet Disord 13 (2012)39
- Ruhm,B. Untersuchungen zur Beweglichkeit zehnjähriger Kinder in ausgewählten Gelenken und Wirbelsäulenabschnitten und zur Häufigkeit der konstitutionellen Hypermobilität unter Anwendung von Lot- und Kompass-winkelmeßinstrumenten

- Dissertation, Halle, 1991 (zit. Müller et al., 2002)
- +Rukwied,R. Mayer,A., Kluschina,O., Obreja,O., Schley,M., Schmelz,M.
NGF induces non-inflammatory localized and lasting mechanical and thermal hypersensitivity in human skin
Pain 148 (2010)407 - 13
- +Rukwied,R. Weinkauff,B., Main,M., Obreja,O., Schmelz,M.
Inflammation meets sensitisation – an explanation for spontaneous nociceptor activity?
Pain 154 (2013)2707 - 14
- +Rümenapp,J.E. Sendel,M., Kersebaum,D., Larsen,N., Jansen,O., Baron,R.
Impaired glymphatic flow as a potential driver of pain chronification
Pain 164 (2023)2191 – 5
doi.org/10.1097/j.pain.0000000000002979
- +Rundell,S.D. Gellhorn,A.C., Comstock,B.A., Heagerty,P.J., Friedly,J.L., Jarvik,J.G.
Clinical outcomes of early and later physical therapist services for older adults with back pain
Spine J 15 (2015)1744 - 55
- +Ruoff,G.E. Rosenthal,N., Jordan,D., Karim,R., Kamin,M.,
Tramadol/acetaminophen combination tablets for a treatment of chronic lower back pain; a multicenter, randomized, double-blind, placebo-controlled outpatient study
Clin Ther 25 (2003)1123 – 41
- Rupert,R.L. –n- Wagnon,R., Thompson,R. Ezzeldin,M.T
Chiropractic adjustments: results of a controlled trial in Egypt
ICA Intern Rev Chiro (1985)58 – 60 (so zit. Woodhead & Clough, 2006 und Bronfort et al., 2004)
- +Ruscheweyh,R. Albers,C., Kreusch,A., Sommer,J., Marziniak,M.
The effect of catastrophizing self-statements on pain perception and the nociceptive flexor reflex (RIII reflex)

- Clin J Pain 29 (2013)725 - 32
- +Ruscheweyh,R. Bäumler,M., Feller,M., Krafft,S., Sommer,J., Straube,A.
- Learned control over spinal nociception reduces supraspinal nociception as quantified by late somatosensory evoked potentials
- Pain 156 (2015a)2505 - 13
- +Ruscheweyh,R. Deppe,M., Lohmann,H., Stehling,C., Flöel,A., Ringelstein,E.B., Knecht,S.
- Pain is associated with regional grey matter reduction in the general population
- Pain 152 (2011)904 - 11
- +Ruscheweyh,R. Kreusch,A., Albers,C., Sommer,J., Marziniak,M.
- The effect of distraction strategies on pain perception and the nociceptive flexor reflex
- Pain 152 (2011b)2662 - 71
- +Ruscheweyh,R. Kühnel,M., Filippopoulos,F., Blum,B., Eggert,T., Straube,A.
- Altered experimental pain perception after cerebral infarction
- Pain 155 (2014)1303 - 12
- +Ruscheweyh,R. Nees,F., Marziniak,M., Evers,S., Flor,H., Knecht,S.
- Pain catastrophizing and pain-related emotions. Influences of age and type of pain
- Clin J Pain 27 (2011a)578 -87
- +Ruscheweyh,R. Sandkühler,J.
- Opioids and central sensitisation: II. Induction and reversal of hyperalgesia
- Eur J Pain 9 (2005)149 – 52
- +Ruscheweyh,R. Weinges,F., Schiffer,M., Baumler,M., Feller,M., Kraft,S., Straube,A., Sommer,J., Marziniak,M.,
- Control over spinal nociception as quantified by the nociceptive flexor reflex (R111 reflex) can be achieved under feedback of the R111 reflex

- Eur J Pain 19 (2015)480 – 9
- +Rushton,A. Advancing evidence based musculoskeletal physical therapy (editorial)
- Man Ther 16 (2011)411 - 2
- +Russel,F.A. Fernandes,E.S., Courade,J.P., Keeble,J.E., Brain,S.D.
- Tumor necrosis factor alpha mediates transient teceptor potential vanilloid 1-dependent bilateral thermal hyperalgesia with distinct peripheral roles of interleukin 1 beta, protein kinase C and cyclooxygease-2 signalling
- Pain 142 (2009)264 - 74
- +Russel,J.L. Williams,A.E., McCabe,K.M., Russel,J.L., Maynard,L.J.
- Emotional control of nociceptive reactions (ECON): Do affective valence and arousal play a role?
- Pain 136 (2008)250 - 61
- +Russo,F. Ambrosio,L., Ngo,K., Vadala,G., Denaro,V., Fan,Y., Sowa,G., Kang,J.D., Vo,N.
- The role of type I diabetes in intervertebral disc degeneration
- Spine 44 (2019)1177 - 85
- Russo,M. Deckers,K., Eldabe,S., Kiesel,K., Gilligan,C., Viecei,J., Crosba,P.
- Muscle control and non-specific chronic low back pain
- Neuromodulation 21 (2018)1 - 9
- Russo,M.A. Wasiak,J.
- A clinical snapshot of transdermal buprenorphine in pain management
- Eur J Pain Suppl 1 (2007)74 - 7
- Rustoen,T. et al. Age and the experience of chronic pain
- Clin J Pain 21 (2005)513 – 23
- Rusu,A.C. Hasenbring,M.
- Multidimensional pain inventory derived classification of chronic pain: evidence for maladaptative pain-related coping within the dysfunctional group
- Pain 134 (2008)80 – 90 (zit. van Damme et al., 2008)

- +Rusu,A.C. Hülsebusch,J.
Cognitive-bias-Forschung und Depressivität bei chronischem Schmerz
Schmerz 32 (2018)236 - 47
- +Ruta,D.A. Garrat,A.M., Wardlaw,D., Russel,I.T.
Developing a valid and reliable measure of health outcome for patients with low-back pain
Spine 19 (1994)1887 – 96
- +Ruth,M. Weber,M., Zenz,M.
Laserakupunktur bei chronischen Rückenschmerzen. Eine klinische Doppelblinduntersuchung
Schmerz 24 (2010)485 - 93
- +Rutledge,T. Atkinson,J.H., Chircop-Rollick,T., D’Andrea,J., Garfin,S., Patel,S., PenzienD.B., Wallace,M., Weickgenant,A.L., Slater,M.
Randomized controlled trial of telephone-delivered cognitive behavioral therapy versus supportive care for chronic back pain
Clin J Pain 34 (2018)322 - 7
- Rutten,H.P. Szpak,K., van Mameren,H., Ten,H.J., de Jong,J.C.
Anatomic relation between the rectus capitis posterior minor muscle and the dura mater
Spine 22 (1997)924 – 6 (zit. Sizer et al., 2002)
- Rybicka,M. Gazowski,J., Przeklasa-Muszynska,A., Dobrogowski,J., Wierzbicka,J., Hui,K.K., Ptasnik,S., Kocot-Kepska,M.
NADA ear acupuncture and medical acupuncture for pain- and health-related quality of life among older patients with chronic nonspecific low back pain: a prospective clinical trial
Brain Sci 14 (2024)3: 205 doi.org/10.3390/brainsci14030205
- +Rychlik,R. Schmerz – medizinische, soziale und ökonomische Herausforderung
Gesundh ökon Qual manag 16 (2011)S1 – S2
- +Rychlik,R. Kienecke,P., Kresimon,J.

- Versorgungsforschungsstudie zur Lebensqualität und zu pharmakoökonomischen Aspekten von Patienten mit chronische Rückenschmerzen unter Therapie mit Oxycodon/Naloxon oder anderen Opioiden der WHO-Stufe III – Zwischenauswertung
- Gesundh ökon Qual manag 16 (2011)S 10 - 19
- +Ryter,S.W. Alam,J., Choi,A.M.
- Heme oxygenase-1/carbon monoxide: from basic science to therapeutic applications
- Physiol Rev 86 (2006)583 – 650
- +Saab,C.Y. Kawasaki,M., Al-Chaer,E.D., Willis,W.D.,
- Cerebellar cortical stimulation increases visceral nociceptive responses
- J Neurophysiol 85 (2001)2359 – 63
- +Sääksjärvi,S. Kerttula,L., Luoma,K., Paajanen,H., Waris,E.
- Disc degeneration of young low back pain patients
- Spine 45 (2020)1341 - 7
- +Saal,J.A. Saal,J.A., Herzog,R.J.
- The natural history of lumbar intervertebral disc extrusions treated nonoperatively
- Spine 15 (1990)683 – 6
- +Saal,J.S. The role of inflammation in lumbar pain
- Spine 20 (1995)1821 – 7
- +Saal,J.S. General principles of diagnostic testing as related to painful lumbar spine disorders: a critical appraisal of current diagnostic techniques
- Spine 27 (2002)2538 – 45
- +Saal,J.S. Franson,R.C., Dobrow,R., Saal,J.A, White,A.H., Goldthwaite,N.
- High levels of inflammatory phospholipase A2 activity in lumbar disc herniations
- Spine 15 (1990)674 – 8
- +Sabancouglu,H. Bavbek,M., Sabancouglu,B., Gadelha,E., Köse,K., Preul,M.

- Attenuation of postlaminectomy epidural fibrosis with monoclonal antibodies against intercellular adhesion molecule-1 and CD-18
Spine J 7 (2007)459 - 65
- +Sabatowski,R. Lutz,J., Scherbaum,N., Schwarzer,A.
Opioidabhängigkeit in der Schmerztherapie
Schmerz 26 (2012)Suppl.1: 28
- +Sabatowski,R. Kaiser,U.
Multimodale Schmerztherapie. Ein etabliertes Verfahren?
Schmerz 26 (2012)644 - 6
- +Sabatowski,R. Schwalen,S., Rettig,K., Herberg,K.W., Kasper,S.M., Radbruch,L.
Driving ability under long-term treatment with transdermal fentanyl
J Pain Symptom Manage 25 (2003)38 – 47
- Sabhaie,P. Liang,D.Y., Shi,X.Y., Sun,Y., Clark,J.D.
Epigenetic regulation of spinal cord gene expression contributes to enhanced postoperative pain and analgetic tolerance subsequent to continuous opioid exposure
Mol Pain (2016)12 (so zit. Ballantyne, 2018)
- +Sabhaie,P. Shi,X., Guo,T.Z., Qiao,Y., Yeomans,D.C., Kingery,W.S., Clark,J.D.
Role of substance P signaling in enhanced nociceptive sensitisation and local cytokine production after incision
Pain 145 (2009)341 - 9
- +Sabharwal,R. Rasmussen,L., Sluka,K.A., Chapleau,M.W.
Exercise prevents development of autonomic dysregulation and hyperalgesia in a mouse model of chronic pain
Pain 157 (2016)387 - 98
- +Sabino,J. Grauer,J.N.
Pregnancy and low back pain
Curr Rev Musculoskelet Med 1 (2008)137 – 41

+Sacher,R.	Alt,B., Koch,L.E., Wuttke,M., Göhmann,U., Krockner,B., Bullinger,H.M.
	Die Manipulation in funktionell ungestörten Regionen des Bewegungssystems. Ein funktioneller Denk- und Diskussionsansatz
	Manuelle Med 49 (2011)6 - 10
+Sachse,J.	Differentialdiagnostik der reversiblen hypomobilen „artikulären Dysfunktion“. Das muskulär gehemmte Bewegungssegment
	Manuelle Med 36 (1998)176 – 81, Nachdruck Manuelle Med 50 (2012)317 - 22
+Sachse,J.	Lewit,K., Berger,M.
	Die lokale pathologische Hypermobilität
	Manuelle Med 42 (2004)17 - 26
Sachse,J.	Schildt-Rudloff,K.
	(Hrsg.): Wirbelsäule: manuelle Untersuchung und Mobilisationsbehandlung
	Urban & Fischer, München, 2000
Sackett,D.	Haynes,R.
	Evidence base of clinical diagnosis: the architecture of diagnostic research
	Br Med J 324 (2002)539 – 41 (zit. Carragee et al., 2006b)
Sackett,D.L.	Haynes,R.B., Tugwell,P.
	Clinical Epidemiology, A Basic Science for Clinical Medicine. Boston: Little, Brown & Co 1985: 49 – 94 (zit. Cibulka & Koldehoff, 1999)
Sackett,D.L.	Straus,S., Richardson,S.R. et al
	Evidence-Based Medicine: How to Practice and Teach EBM
	London, Churchill Livingstone; 2000 (zit. Fisher & Wood, 2007)
Sadee,W.	Rosenbaum,J., Herz,A.
	Buprenorphine: differential interaction with opiate receptor subtypes in vivo

- J Pharmacol Exp Ther 223 (1982)157 – 62 (zit. Heit & Gourlay, 2008)
- +Sadowski,P.K. Battista,S., Leuzzi,G., Sansone,L.G., Testa,M.
- Low back pain in people wit lower limb amputation. A cross-sectional study
- Spine 47 (2022)1599 – 1606
doi.org/10.1097/BRS.0000000000004422
- Saegusa,H. Kurihara,T., Zong,S. Et al.
- Suppression of inflammation and neuropathic pain syptoms in mice lacking the N-type Ca²⁺ channel
- EMBO J 20 (2001)2349 – 56 (zit. Miljanich et al., 2013)
- +Safak,A.A. Is,M., Sevinc,O., Barut,C., Eryoruk,N., Erdogmus,B., Dosoglu,M.
- The thickness of the ligamentum flavum in relation to age and gender
- Clin Anat 23 (2010)79 – 83
- +Sagar,S. Dryden,T., Wong,K.
- Massage therapy for cancer patients: a reciprocal relationship between body and mind
- Curr Oncol 14 (2007)45 – 56
- Sah,D.W. Ossipov,M.H., Porreca,F.
- Neurotrophic factors as novel therapeutics for neuropathic pain
- Nat Rev Drug Discov 2 (2003)460 – 72 (zit. Porreca, 2012)
- Sah,D.W. Ossipov,M.H., Rossomando,A., Silvian,L., Porreca,F.
- New approachea for the treatment of pain: the GNDF family of neurotrophic growth factors
- Curr Top Med Chem 5 (2005)577 – 83 (zit. Porreca, 2012)
- Sagar,D.R. Gaw,A.G., Okine,B.N., Woodhams,S.G., Wog,A., Kendall,D.A., Chapman,V.
- Dynamic regulation of the endocannabinoid system: implications for analgesia

	Mol Pain 5 (2009)59 (zit. Bruehl et al., 2019)
+Saha,F.J.	Gua Sha
	Dt Zschr Akup 66 (2023) 195 – 7 doi.org/10.1007/s42212-023-00593-2
Saha,F.J.	Brummer,G., Lauche,R., Ostermann,T., Choi,K.E., Rampp,T., Dobos,G., Cramer,H.
	Gua Sha therapy for chronic low back pain: a randomized controlled trial
	Complement Ther Clin Pract 34 (2019)64 – 9 doi.org/10.1016/j.ctcp.2018.11.002
+Saha,F.J.	Wander,R.
	Das Störfeld als neuromodulativer Trigger auf allen Ebenen
	Dt.Z.Akup 57 (2014)2: 6 - 16
+Sahar,T.	Cohen,M.J., Uval-Ne’eman,V., Kandel,L., Odebiyi,D.O., Lev,I., Brezis,M., Lahad,A.
	Insoles for prevention and treatment of back pain: a systematic review within the framework of the Cochrane Collaboration Back Review Group
	Spine 34 (2009)924 – 33
Sahrmann,S.A.	Diagnosis and treatment of movement impairment syndromes
	Mosby, St.Louis, 2002 (zit. Saner et al., 2011, Kim et al., 2013b)
Saifuddin,A.	Mitchell,R., Taylor,B.A.
	Extradural inflammation associated with annular tears: demonstration with gadolinium enhanced lumbar spine MRI
	Eur Spine J 8 (1999)34 -9 (zit. Zhou & Abdi, 2006)
+Sairyo,K.	Biyani,A., Goel,V.K., Leaman,D., Booth Jr.,R., Thomas,J., Gehling,D., Vishnubhotla,S.L., Long,R., Ebraheim,N.
	Pathomechanism of ligamentum flavum hypertrophy: a multidisciplinary investigation based on clinical, biomechanical, histological and biological assessment
	Spine 30 (2005)2649 – 56

Sairyo,K.	Biyani,A., Goel,V.K. et al. Lumbar ligamentum flavum hypertrophy is due to accumulation of inflammation related scar tissue: a histological and biological assessment 33rd Annual meeting of International Society for Study of the Lumbar Spine, Bergen, Norway, may 13 – 17, 2006 (zit. Kosaka et al., 2007)
Sairyo,K.	Biyani,A., Goel,V.K., Leaman,D.W., Booth,R., Thomas,J., Ebrahaim,N.A., Cowgill,I.A., Mohan,S.E. Lumbar ligamentum flavum hypertrophy is due to accumulation of inflammation-related scar tissue Spine 32 (2007)E340 - 7
+Saito,J.	Ohtori,S., Kishida,S., Nakamura,J., Takeshita,M., Shigemura,T., Takazawa,M., Eguchi,Y. Und weitere 19 Autoren Difficulty of diagnosing the origin of lower leg pain in patients with both lumbar spinal stenosis and hip joint osteoarthritis Spine 37 (2012)2089 – 93
+Saito,O.	Svensson,C.I., Buczynski,M.W., Wegner,K., Hua,X.Y., Codeluppi,S., Schaloske,R.H., Deems,R.A., Dennis,E.A., Yaksh,T.L. Spinal glial TRL4-mediated nociception and production of prostaglandin E(2) and TNF Br J Pharmacol 160 (2010)1754 – 64
+Saji, M. .	Upadhyay,S.S., Leong,J.C.Y Increased femoral neck-shaft angles in adolescent idiopathic scoliosis Spine 20 (1995)303 – 11
Saha,D.	Gard,S., Fatone,S., Ondra,S. The effect of trunk-flexed postures on balance and metabolic energy expenditure during standing Spine 32 (2007)1605 – 11
+Sakai,A.	Asada,M., Seno,N., Suzuki,H.

- Involvement of neural cell adhesion molecule signaling in glial cell line-derived neurotrophic factor-induced analgesia in a rat model of neuropathic pain
- Pain 137 (2008a)378 - 88
- Sakai,D. – n- Nakamura,Y, Nakai,T., et al.
- Exhaustion of nucleus pulposus progenitor cells with aging and degeneration of the intervertebral disc
- Nat Commun 3 (2012)1264 (Spine J)
- +Sakai,D. Nishimura,K., Tanaka,M., Nakajima,D., Grad,S., Alini,M., Kawada,H., Ando,K., Mochida,J.
- Migration of bone-marrow derived cells for endogenous repair in a new tail-looping disc degeneration model in the mouse: a pilot study
- Spine J 15 (2015)1356 - 65
- +Sakai,S. Hori,E., Umeno,K., Kitabayashi,N., Ono,T., Nishijo,H.
- Specific acupuncture sensation correlates with EEGs and autonomic changes in human subjects
- Auton Neurosci 133 (2007)158 – 69
- +Sakai,T. Sairyo,K., Takao,S., Nishitani,H., Yasui,N.
- Incidence of lumbar spondylolysis in the general population in Japan based on multidetector computed tomography scans from two thousand subjects
- Spine 34 (2009)2346 - 50
- +Sakai,Y. Matsuyama,Y., Hasegawa,Y., Yoshihara,H., Nakamura,H. et al.
- Association of gene polymorphisms with intervertebral disc degeneration and vertebral osteophyte formation
- Spine 32 (2007)1279 – 86
- +Sakai,Y. Matsuyama,Y., Ishiguro,N.
- Intramuscular oxygenation of exercising trunk muscle in elderly persons
- J Lumbar Spine Disord 11 (2005)148 – 56 (zit. Sakai et al., 2008)

- +Sakai,Y. Matsuyama,Y., Nakamura,H., Katayama,Y., Imagama,H., Ito,Z., Okamoto,A., Ishiguro,N.
- The effect of muscle relaxant on the paraspinal muscle blood flow: A randomized controlled trial in patients with chronic low back pain
- Spine 33 (2008)581 - 7
- +Sakaki,K. Yoshii,T., Arai,Y., Torigoe,I., Tomori,M., Onuma,H., Ogawa,T., Hirakawa,A. und weitere 2 Autoren
- Effectiveness of lumbosacral orthosis after discectomy for lumbar disc herniation: a prospective comparative study
- Spine 48 (2023)15 – 20
doi.org/10.1097/BRS.0000000000004475
- +Sakamoto,N. Yamashita,T., Takebayashi,T., Sekine,M., Ishii,S.
- An electrophysiologic study of mechanoreceptors in the sacroiliacal joint and adjacent tissues
- Spine 26 (2001) E 468 - 71
- +Saklatvala,J. Pilsworth,L.M.C., Sarsfield,S.J., Gavrilovic,J., Heath,J.K.
- Pig catabolin is a form of interleukin 1
- Biochem J 224 (1984)461 – 6
- Salai,M. Brosh,T., Blankstein,A., Oran,A., Chechik,A.
- Effect of changing the saddle angle on the incidence of low back pain in recreational bicyclists
- Br J Sports Med 33 (1999)398 – 400 (zit. Pieber, 2018)
- +Salamon,E. Zhu,W., Stefano,G.B.
- Nitric oxide as a possible mechanism for understanding the therapeutic effects of osteopathic manipulative medicine (review)
- Int J Mol Med 14 (2004)443 -9
- +Salas,J. Scherrer,J.F., Schneider,F.D., Sullivan,M.D., Bucholz,K.K., Burroughs,T., Copeland,L.A., Ahmedani,B.K., Lustman,J.
- New-onset depression following stable, slow, and rapid rate of prescription opioid dose escalation
- Pain 158 (2017)306 - 12

- Salas,M.M. Hargreaves,K.M., Akopian,A.N.
- TRPA1-mediated responses in trigeminal sensory neurons: interaction between TRPA11 and TRPV1
- Eur J Neurosci 29 (2009)1568 – 78 doi.org/10.1111/j.1460-9568-2009.06702.x (so zit. Meßlinger, 2025)
- +Salerno,S.M. Browning,R., Jackson,J.L.
- The effect of antidepressant treatment on chronic back pain
- Arch Intern Med 162 (2002)19 – 24
- +Salgo,M.G. Bermudez,E., Squadrito,G.L., Pryor,W.A.
- DNA damage and oxidation of thiols peroxynitrite causes in rat thymocytes
- Arch Biochem Biophys 322 (1995)500 – 5
- Salminen,J.J. The adolescent back. A field survey of 370 Finnish schoolchildren
- Acta Paediatr Scand 315 (1984)Suppl.: 1 – 122 (zit. Balague, 2011)
- +Salminen,J.J. Erkontalo,M., Laine,M., Pentti,J.
- Low back pain in the young. A prospective three-year follow-up study of subjects with and without low back pain
- Spine 20 (1995)2101 – 7
- +Salminen,J.J. Erkontalo,M.O., Pentti,J., Oksanen,A., Kormano,M.J.
- Recurrent low back pain and early disc degeneration in the young
- Spine 24 (1999)1316 – 21
- +Salminen,J.J. Maki,P., Oksanen,A., Pentti,J.
- Spinal mobility and trunk muscle strength in 15-year-old schoolchildren with and without low back pain
- Spine 17 (1992)405 – 11
- +Salminen,J.J. Oksanen,A., Maki,P., Pentti,J., Kujala,U.M.
- Leisure time physical activity in the young: correlation with low-back pain, spinal mobility and trunk muscle strength in 15-year-old school children

- Int J Sports Med 14 (1993)406 – 10
- +Salo,J. Mackiewicz,Z., Indahl,A., Kontinen,Y.T., Holm,A.K., Sukura,A., Holm,S.
- Plasmin-matrix metalloproteinase cascades in spinal response to an experimental disc lesion in pig
- Spine 33 (2008)839 – 44
- +Salomons,T.V. Davis,K.D.
- Fear avoidance and neuroimaging: Falsification or just failure to confirm?
- Pain 153 (2012)511 - 2
- +Salomons,T.V. Moayedi,M., Erpelding,N., Davis,K.D.
- A brief cognitive-behavioural intervention for pain reduces secondary hyperalgesia
- Pain 155 (2014)1446 - 52
- +Salomonovitz,G. Friedrich,M., Güntert,B.J.
- Medizinische Relevanz von Magnetfeldern zur Schmerztherapie
- Schmerz 25 (2011)157 - 65
- +Salzmann,E. Pforringer,W., Paal,G., Gierend,M.
- Treatment of chronic low back pain syndrome with tetrazepam in placebo controlled double-blind trial
- J Drug Dev 4 (1992)219 – 28
- Samad,T.A. et al. Interleukin-1beta-mediated induction of Cox-2 in the CNS contributes to inflammatory pain hypersensitivity
- Nature 410 (2001)471 – 5 (zit Brune & Niederweis, 2007)
- +Samartzis,D. Borthakur,A., Belfer,I., Bow,C., Lotz,J.C., Wang,H.Q., Cheung,K.M.C., Carragee,E., Karppinen,J.
- Novel diagnostic and prognostic methods for disc degeneration and low back pain
- Spine J 15 (2015)1919 - 32
- +Samartzis,D. Carragee,E.J.
- Preface disc degeneration for the Spine Journal (editorial)

- Spine J 13 (2013)215 - 6
- +Samartzis,D. Cheung,K.M.,
- Prediction of future first-time low back pain based on baseline MRI findings.
- Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;
- Spine J 13 (2013) Suppl 9S: 16S – 17S
- +Samartzis,D. Karppinen,J., Mok,F., Fong,D.Y., Luk,K.D., Cheung,K.M.
- A population-based study of juvenile disc degeneration and its association with overweight and obesity, low back pain, and diminished functional status
- J Bone Joint Surg Am 93 (2011)662 - 70
- +Sambrook,P.N. MacGregor,A.J., Spector,T.D.
- Genetic influences on cervical and lumbar disc degeneration: a magnetic resonance imaging study in twins
- Arthritis Rheum 42 (1999)366 – 72
- +Samineni,V.K. Premkumar,L.S., Faingold,C.L.
- Neuropathic pain-induced enhancement of spontaneous and pain-evoked neuronal activity in the periaqueductal gray that is attenuated by gabapentin
- Pain 158 (2017)1241 - 53
- +Sammer,A. Sammer,F., Feigl,G.
- Anatomische Varianten der oberen Wirbelsäule – ihre bedeutung für die manuelle Medizin
- Manuelle Med 61 (2023)70 – 5
doi.org/10.1007/s00337.023.00957-8
- +Samwel,H.J.A. Evers,A.W.M., Crul,B.J.P., Kraaimaat,F.W.
- The role of helplessness, fear of pain and passive pain-coping in chronic pain patients
- Clin J Pain 22 (2006)245 – 251
- +Sanchez,K. Papelard,A., Nguyen,C., Jousse,M., Rannou,F., Revel,M., Poiraudau,S.

- Patient-preference disability assessment for disabling chronic low back pain
- Spine 34 (2009)1052 – 9
- +Sanchez-Zuriaga,D. Adams,M.A., Dolan,P.
- Is activation of the back muscles impaired by creep or muscle fatigue ?
- Spine 35 (2010)517 - 25
- +Sandanger,I. Moum,T., Ingebrigtsen,G., Dalgard,O.S., Sorensen,T., Bruusgard,D.
- Concordance between symptom screening and diagnostic procedure: the Hopkins syndrom checklist-25 and the composite diagnostic interview
- Soc Psychiatry Psychiatr Epidemiol 33 (1998)345 – 54
- +Sandberg,M. Larsson,B., Lindberg,L.G., Gerdle,B.
- Different patterns of blood flow response in the trapezius muscle following needle stimulation (acupuncture) between healthy subjects and patients with fibromyalgia and work-related trapezius myalgia
- Eur J Pain 9 (2005)497 - 510
- +Sandell,J. Palmgren,P.J., Björndahl,L.
- Effect of chiropractic treatment on hip extension ability and running velocity among among young male running athletes
- J Chiropr Med 7 (2008)39 - 47
- +Sanders,G.E. Reinert,O., Tepe,R.,Maloney,P.
- Chiropractic adjusted manipulation on subjects with acute low-back pain: visual analogue pain scores and plasma beta-endorphin levels
- J Manipulative Physiol Ther 13 (1990)391 – 5
- +Sanders,R.A. Moeschler,S.M., Gazelka,H.M., Lamer,T.J., Wang,Z., Qu,W., Hoelzer,B.C.
- Patient outcome and spinal cord stimulation: a retrospective case series evaluating patient satisfaction, pain scores, and opioid requirements
- Pain Pract 16 (2016)899 - 904

- +Sanders,S. Automated versus self-monitoring of up-time in chronic low back pain: a comparative study
Pain 15 (1983)399 – 405
- Sanders,S.H. Nerve block therapy for low back pain: show me the money and the science
Am Pain Soc Bull 12 (2002)1 – 4 (zit Sanders et al., 2005)
- +Sanders,S.H Harden,R.N., Vicente,P.J.
Evidence-based clinical practice guidelines for interdisciplinary rehabilitation of chronic nonmalignant pain syndrom patients
Pain Practice 5 (2005)3003 – 15
- +Sandkühler,J. The organisation and function of endogenous antinociceptive systems
Prog Neurobiol 50 (1996)49 - 81
- +Sandkühler,J. Learning and memory in pain pathways
Pain 88 (2000)113 – 8
- +Sandkühler,J. Schmerzgedächtnis: Entstehung, Vermeidung und Löschung
Dt Ärztebl 98 (2001)A2725 - 30
- Sandkühler,J. Synaptische Langzeitpotenzierung als Mechanismus der Zentralen Sensibilisierung
Abstracts Deutscher Schmerzkongress 2003, Symposium S34: Synaptische Plastizität und Schmerz
Schmerz 17 (2003) Suppl. 1, S41
- Sandkühler,J. Die periphere und zentrale Sensibilisierung beim Schmerz
Schmerz 21 (2007)Suppl., 11 – 2
- +Sandkühler,J. Fehlfunktionen der Hemmung als Ursache von chronischen Schmerzen
Schmerz 21 (2007)Suppl., 15
- +Sandkühler,J. Understanding LTP in pain pathways
Molecular Pain 3 (2007a)9
- +Sandkühler,J. Chen,J.G., Cheng,G., Randic,M.

- Low-frequency stimulation of afferent A-delta fibers induces long-term depression at primary afferent synapses with substantia gelatinosa neurons in the rat
J Neurosci 17 (1997)6483 – 91
- Sandkühler,J. als persönliche Mitteilung von Habring et al. (2012) zitiert
- +Sandkühler,J. Ruscheweyh,R.
Opioids and central sensitization. 1. Preemptive analgesia
Eur J Pain 9 (2005)145 – 8
- Sandkühler,J. et al. Synaptic mechanisms of hyperalgesia
Prog Brain Res 129 (2000)81 – 100 (zit. v.Heymann et al., 2005)
- Sandoughi,M. Zakeri,Z., Mithosainee,Z., Mohammadi,M., Shahbakhsh,S.
The effect of vitamin D on nonspecific low back pain
Int J Rheum Dis (2013) <http://dx.doi.org/10.1111/1756-185X.12172> (zit. Knutsen et al., 2014)
- +Sandoval,J.A. Furlan,A.D., Mailis-Gagnon,A.
Oral methadone for chronic noncancer pain. A systematic literature review of reasons for administration, prescription patterns, effectiveness, and side effects
Clin J Pain 21 (2005)503 - 12
- Sandweg,R. Bernardy,K., Riedel,H.
Prädiktoren des Behandlungserfolges in der stationären psychosomatischen Behandlung muskuloskeletaler Erkrankungen
Psychother Psychosom Med Psychol 51 (2001)394 – 402 (zit. Trapp et al., 2009)
- Sandweg,R. Finkbeiner,G.F.
Erkrankungen der Haltungs- und Bewegungsorgane.
In: Adler,R.H., Herrmann,J.M., Köhle,K. et al., eds. Üxküll – Psychosomatische Medizin. 6.Auflage, Urban & Fischer, München, 2003, 1127 – 1139 (zit. Ots, 2006)
- +Sandy-Hindmarch,O. Bennet,D.L., Wiberg,A., Furniss,D., Baskozos,G., Schmid,A.B.

- Systematic inflammatory markers in neuropathic pain, nerve injury, and recovery
- Pain 163 (2022)526 – 37
doi.org/10.1097/j.pain.0000000000002386
- +Saner,J. Kool,J., de Brie,R.A., Sieben,J.M., Luomajoki,H.
- Movement control exercise versus exercise to reduce disability in patients with low back pain and movement control impairment. A randomized controlled trial
- BMC Musculoskeletal Disorders 12 (2011)207
- +Saner,J. Kool,J., Sieben,J.M., Luomajoki,H., Bastiaenen,C.H.G., de Bie,R.A.
- A tailored exercise program versus general exercise for a subgroup of patients with low back pain and movement control impairment: a randomized controlled trial with one-year follow-up
- Man Ther 20 (2015)672 - 9
- +Saner,J. Sieben,J.M., Kool,J., Luomajoki,H., Bastiaenen,C.H.G., de Bie,R.A.
- A tailored exercise program versus general exercise for a subgroup of patients with low back pain and movement control impairment: SHORT-TERM results of a randomized controlled trial
- J Bodywork Movm Ther 20 (2015)189 – 202
doi.org/10.1016/j.jbmt.2015.08.001
- +Sanga,P. Katz,N., Polverejan,E., Wang,S., Kelly,K.M., Haeussler,J., Thippawong,J.
- Efficacy, safety, and tolerability of fulranumab, an anti-nerve growth factor antibody, in the treatment of patients with moderate to severe osteoarthritis pain
- Pain 154 (2013)1910 - 9
- +Sange,S. Einfluss von Achtsamkeitsübungen und Meditation auf die haptische Wahrnehmung. Veränderung des haptischen Schwellenwertes bei Therapeuten
- Manuelle Med 51 (2013)479 - 83
- +Sangondimath,G. Kalindini,K.K.V., Pandrakula,P., Kumar,V., Krishnan,M.H.

- An unusual complication of quadriparesis after trigger point injection: a case report
Pain 162 (2021)711 – 3
doi.org/10.1097/j.pain.0000000000002094
- +Sanna,M.D. Ghelardini,C., Galeotti,N.
Activation of JNK pathway in spinal astrocytes contributes to acute ultra-low-dose morphine thermal hyperalgesia
Pain 156 (2015)1265 - 75
- +Sanna,M.D. Stark,H., Lucarini,L., Ghelardini,C., Masini,E., Galeotti,N.
Histamine H₄ receptor activation alleviates neuropathic pain through differential regulation of ERK, JNK, and P38 MAPK phosphorylation
Pain 156 (2015a)2492 - 2504
- +Santilli,V. Beghi,E., Finucci,S.
Chiropractic manipulation in the treatment of acute back pain and sciatica with disc protrusion: a randomized double blind clinical trial of active and simulated spinal manipulations
Spine J 6 (2006)131 – 7
- +Santini,E. Ge,H., Ren,K., Pena,O., Quirk,G.J.
Consolidation of fear extinction requires protein synthesis in the in the medial prefrontal cortex
J Neurosci 24 (2004)5704 – 10
- (+)Santos de Almeida,R. Machado,E., Yamato,T.P., Santos de Melo,L., Calazans Nogueira,L.A.
Pragmatic neural tissue management improves short-term pain and disability in patients with sciatica: a single-arm clinical trial
J Man Manipulat Ther online 25.2.2019,
doi.org/10.1080/10669817.2019.1580420
- Santos-Eggimann,B. Rohrer,M., Paccaud,F.
Medizinische und sozialmedizinische Entwicklung von Rückenschmerzen bei einer Kohorte von stellungspflichtigen jungen Männern, 1985 – 1992

- In: Keel,P., Perini,C., Schütz-Petitjean,D. (Hrsg.):
Chronifizierung von Rückenschmerzen: Hintergründe,
Auswege. Schlussbericht des nationalen
Forschungsprogramms Nr. 26B; EULAR Verlag, Basel, 1996, S.
78 – 82
- Saper,R.B. Lemaster,C., Delitto,A., Sherman,K.J., Herman,P.M.,
Sadikova,E., Stevans,J., ..., Barnett,K.G. und weitere 5 Autoren
- Yoga, physical therapy, or education for chronic low back
pain: a randomized,noninferiority trial
- Ann Intern Med 167 (2017)85 – 94 doi.org/10.7326/M16-
2579
- +Saper,R.B. Sherman,K.J., Cullum-Dugan,D., Davis,R.B., Phillips,R.S.,
Culpepper,I.
- Yoga for chronic low back pain in a predominantly minority
population: a pilot randomized controlled trial
- Altern Ther Health Med 15 (2009)18 – 27
- +Sapiee,N.H. Thambyah,A., Robertson,P.A., Broom,N.D.
- New evidence for structural integration across the cartilage-
vertebral endplate junction and its relation to herniation
- Spine J 19 (2019)532 - 44
- +Sapio,M.R. Iadarola,M.J., LaPaglia,D.M., Lehky,T., Thurm,A.E.,
Danley,K.M., Fuhr,S.R., Lee,M.D. und 6 weitere Autoren
- Haploinsufficiency of the brain-derived neurotrophic factor
gene is associated with reduced pain sensitivity
- Pain 160 (2019)1070 - 81
- (+)Saraceni,N. Kent,P., Ng,L., Campbell,A., Straker,L., O’Sullivan,P.
- To flex or not to flex? Is there a relationship between lumbar
spine flexion during lifting and low back pain? A systematic
review with metaanalysis
- J Orthop Sports Phys Ther 50 (2020)121 – 30
doi.org/10.2519/jospt.2020.9218
- (-)Saracoglu,I. Arik,M.I., Afsar,E., Gokpinar,H.H.
- The effectiveness of pain neuroscience education combined
with manual therapy and home exercise for chronic low back
pain: a single-blind randomized controlled trial

- J Physiol Ther Pract (2020) online 19.8.2020,
doi.org/10.1080/09593985.2020.1809046
- +Saragiotto,B.T. de Almeida,M.O., Yamato,T.P., Maher,C.G.
- Multidisciplinary biopsychosocial rehabilitation for nonspecific chronic low back pain
- Phys Ther 96 (2016)759 - 63
- +Saragiotto,B.T. Maher,C.G., Yamato,T.P., Costa,L.O.P., Menezes Costa,L.C., Ostelo,R.W.J.G., Macedo,L.G.
- Motor control exercise for nonspecific low back pain. A Cochrane review
- Spine 41 (2016a)1284 - 95
- Saresh Babu,N. siehe Babu,N.S.
- Sardi,W.F. Pescador,A .C., Azevedo,E.M., Podapski,J.A., Kukolj,C., Spencovski,K.M., Andrade,A.J.M., da Cunha,C., Fischer,L.
- Sleep and pain : a role for the anterior cingulate cortex, nucleus accumbens, and dopamine in the increased pain sensitivity following sleep restriction
- J Pain 25 (2024)2 : 331 – 49
doi.org/10.1016/j.jpain.2023.08.014
- Sarver,J.J. Elliott,D.M:
- Altered disc mechanics in mice genetically engineered for reduced type I collagen
- Spine 29 (2004)1094 – 8 (zit Mayer et al., 2013)
- +Sasaki,N. Barreto-Henriksson,H., Runesson,E., Larsson,K., Sekiguchi,M., Kikuchi,S.I., Konno,S.I., Rydevik,B., Brisby,H
- Physical exercise affects cell proliferation in lumbar intervertebral disc regions in rats
- Spine 37 (2012)1440 - 7
- +Sasaki,N. Kikuchi,S, Konno,S., Sekiguchi,M., Watanabe,K.
- Anti-TNF-alpha antibody reduces pain-behavioral changes induced by epidural application of nucleus pulposus in a rat model depending on the timing of administration
- Spine 32 (2007)413 – 6

- +Sasso,O. Moreno-Sanz,G., Martucci,C., Realini,N., Dionisi,M., Mengatto,L., Duranti,A., Tarozzo,G. und weitere 5 Autoren
Antinociceptive effects of the N-acetyethanolamine acid amidase inhibitor ARN077 in rodent pain models
Pain 154 (2013)350 -60
- +Sasso,O. Russo,R., Vitiello,S., Raso,G.M., D’Agostino,G., Iacono,A., la Rana,G., Vallee,M., Cuzzocrea,S., Piazza,P.V., Meli,R., Calignano,A.,
Implication of alloprenanolone in the antinociceptive effect of N-pamitoylethanolamide in acute or persistent pain
Pain 153 (2012)33 - 41
- +Sato,A. Somatovisceral reflexes
J Manipulative Physiol Ther 18 (1995)597 - 602
- +Sato,H. Takino,T., Okada,Y. et al.
A matrix metalloproteinase expressed on the surface of invasive tumor cells
Nature 370 (1994)61 – 6
- +Sato,T. Hirano,T., Ito,T., Morita,O., Kikuchi,R., Endo,N., Tanabe,N.
Back pain in adolescents with idiopathic scoliosis: epidemiological study for 43,630 pupils in Niigata City, Japan
Eur Spine J 20 (2011)274 – 9
- Sato,T. Ito,T., Hirano,T., Morita,O., Kikuchi,R., Endo,N., Tanabe,N.
Low back pain in childhood and adolescence: assessment of sport activities
Eur Spine J 20 (2011a)94 – 9 doi.org/10.1007/s00586-010-1485-8
- Sator-Katzenschlager,S.M. Scharbert,G., Kozek-Langenecker,S.A. Szeles,J., Finster,G., Schiesser,A., Heinze,G., Kress,H.G.
The short- and long-term benefit in chronic low back pain through adjuvant electrical versus manual auricular acupuncture
Anesth Analg 97 (2004)5 : 1359 – 64
doi.org/10.1213/01.ANE.0000107941.16173.F7

- +Saukkonen,J. Määttä,J., Oura,P., Kyllönen,E., Tervonen,O., Niinimäki,J., Auvinen,J., Karppinen,J.
Association between Modic changes and low back pain in middle age. A northern Finland birth cohort study
Spine 45 (2020)1360 - 7
- +Saunders,A., Core,I.J., Lis,J.T.
Breaking barriers to transcription elongation
Nat Rev Mol Cell Biol 7 (2006)557 – 67
- +Savage,S.R. Addiction in the treatment of pain: significance, recognition and management
J Pain Symptom Manage 8 (1993)256 – 78
- Savage,S.R. et al. Definitions related to the use of opioids for the treatment on pain
2001 (so zit. Hojsted & Sjogren, 2007)
- +Savage,S.R. Joranson,D.E., CovingtonE.C., Schnoll,S.H., Heit,H.A., Gilson,A.M.
Definitions related to the medical use of opioids : evolution towards universal agreement
J Pain Symptom Manage 26 (2003)655 – 67
- +Savettieri,G. Salemi,G., Rocca,W.A., Meneghini,F., d’Arpa,A., Morgante,L., Coraci,M.A., Reggio,A., Grigoletto,F., di Pierri,R.,
For the Sicilian neuro-epidemiologic study (SNES) group.
Prevalence of lumbosacral radiculopathy in two Sicilian municipalities
Acta Neurol Scand 93 (1996)464 – 9
- Savigny,P. Kuntze,S., Watson,P., Underwood,M., Ritchie,G., Cotterell,M., Hill,D., Browne,N. und weitere 10 Autoren
Low back pain: early management of persisting non-specific low back pain
London,U.K., Royal College of General Practitioners, 2009 (zit. Dagenais et al., 2010)
- +Savigny,P. Watson,P., Underwood,M.

- On behalf of the Guideline Development Group. Early management of persistent non-specific low back pain: summary of NICE guidance
- BMJ 338 (2009a)b1805 doi.org/10.1136/bmj.b1805
- +Sawada,A. Niiyama,Y., Ataka,K., Nagaishi,K., Yamakage,M., Fujimiya,M.
- Suppression of bone marrow-derived microglia in the amygdale improves anxiety-like behaviour induced by chronic partial sciatic nerve ligation in mice
- Pain 155 (2014)1762 - 72
- Sawe,J. High-dose morphine and methadone in cancer patients. Clinical pharmacokinetic considerations of oral treatment
- Pharmacokinet 11 (1986)87 – 106 (zit. Fredheim et al., 2007)
- +Sawyer,C.E. Kassak,K.
- Patient satisfaction with chiropractic care
- J Manipulative Physiol Ther 16 (1993)25 - 32
- Saxler,G. Löer,F., Skumavac,M., Pfortner,J., Hanesch,U.
- Localisation of SP- and CGRP-immunopositive nerve fibers in the hip of patients with painful osteoarthritis and of patients with painless failed total hip arthroplasties
- Eur J Pain 11 (2007)67 - 74
- +Sayegh,F.E. Kenenidis,E.I., Papavasiliou,K.A., Potoupnis,M.E., Kirkos,J.M., Kapetanos,G.A.
- Efficacy of steroid and nonsteroidal caudal epidural injections for low back pain and sciatica. A prospective, randomized, double-blind clinical trial
- Spine 34 (2009)1441 - 7
- +Sayson,S.C. Ducey,J.P., Maybrey,J.B., Wesley,R.L., Vermillion,D.
- Sciatic entrapment neuropathy associated with an anomalous piriformis muscle
- Pain 59 (1994)149 – 52
- +Scannell,J.P. McGill,S.M.
- Disc prolapse. Evidence of reversal with repeated extension

- Spine 34 (2009)344 – 50
- +Scapinelli,R. Anatomical and radiologic studies on the lumbosacral meningo-vertebral ligaments of humans
J Spinal Disord 3 (1990)6- 15
- +Schabrun,S.M. Elgueta-Cancino,E.L., Hodges,P.W.
Smudging of the motor cortex is related to the severity of low back pain
Spine 42 (2017)1172 - 8
- +Schache A Bennell K, Blanch P, Wrigley T
The coordinated movement of the lumbo-pelvic-hip complex during running.
Gait Posture 10 (1999)30–47.
- +Schadrack,J. Zieglgaensberger,W.
Activity-dependent changes in the pain matrix
Scand J Rheumatol 113 (2000)Suppl. 19 – 23
- +Schäfer,R. Hausteiner-Wiehle,C., Häuser,W., Ronel,J., Herrmann,M., Henningsen,P.
Klinische Leitlinie: Nicht-spezifische, funktionelle und somatoforme Körperbeschwerden
Dtsch Ärztebl 109 (2012)803 - 13
- +Schäfer,A. Gärtner-Tschacher,N., Schöttker-Königer,T.
Subgruppenspezifische Therapie lumbaler Rückenschmerzen. Darstellung und Gütekriterien zweier Klassifikationssysteme
Orthopäde 42 (2013)90 – 9
- +Schäfer,A. Hall,T., Briffa,K.
Classification of low back-related pain – a proposed patho-mechanism-based approach
Man Ther 14 (2009)222 – 30
- +Schäfer,A. Hall,T.M., Lüdtke,K., Mallwitz,J., Briffa,N.K.
Interrater reliability of a new classification system for patients with neural low back-related leg pain

- J Man Manipulative Ther 17 (2009)109 - 17
- +Schafer,J. O'Connor,D., Feinglass,S., Salive,M.
Medicare evidence development and coverage advisory committee meeting on lumbar fusion surgery for treatment of chronic back pain from degenerative disease
Spine 32 (2007)2403 -4
- +Schäfer,R. Trompeter,K., Fett,D., Heinrich,K., Funken,J., Willwacher,S., Brüggemann,G., Platen,P.
Die mechanische Belastung der Wirbelsäule bei sportlichen Aktivitäten
Sports, Medicine and Health Summit, Hamburg, 2023, Abstract 121, PS-04-001
Dt Z Sportmed 74 (2023)4: 125
- +Schäfers,M. Lee,D.H., Brors,D., Yaksh,T.L., Sorkin,L.S.
Increased sensitivity of injured and adjacent uninjured rat primary sensory neurons to exogenous tumor necrosis factor-alpha after spinal nerve ligation
J Neurosci 23 (2003)3028 – 38
- +Schäfers,M. Geis,C., Svensson,C.I., Luo,Z.D., Sommer,C.
Selective increase of tumor necrosis factor alpha in injured and spared myelinated primary afferents after chronic constrictive injury of rat sciatic nerve
Eur J Neurosci 17 (2003)791 – 803
- +Schäfers,M. Svensson,C.I., Sommer,C., Sorkin,L.S.,
Tumor necrosis factor alpha induces mechanical allodynia after spinal nerve ligation by activation of p38 MAPK in primary sensory neurons
J Neurosci 23 (2003)2517 – 21
- +Schaible,H.G. Der schmale Grat zwischen Innovatin und Risiko. Ist Anti-NGF ein Schmerzmittel der Zukunft?
Schmerz 24 (2010)559 - 60
- +Schaible,H.G. Joint pain – basic mechanisms

In: Koitzenburg,M., McMahon,S., Tracey,I., Turk,D. (eds.):
Textbook of Pain, 6.edn, Saunders, Philadelphia, 2013

+Scharnagel,R.

Kaiser,U., Schütze,A., Heineck,R., Gossrau,G., Sabatowski,R.

Chronische nichttumorbedingte Schmerzen.
Langzeitbehandlung mit schnell freisetzenden und kurz
wirksamen Opioiden im Kontext von Missbrauch und
Abhängigkeit.

Schmerz 27 (2013)7 - 19

+Schattschneider,J.

Scarano,M., Binder,A., Wasner,G., Baron,R.

Modulation of sensitized C-fibers by andenergetic stimulation
in human neuropathic pain

Eur J Pain 12 (2008)517 - 24

+Schattschneider,J.

Zum Buttel,I., Binder,A., Wasner,G., Hedderich,J., Baron,R.

Mechanism of adrenosensitivity in capsaicin induced
hyperalgesia

Eur J Pain 11 (2007)756 – 63

+Schaufele,M.K.

Primum non nocere ... (commentary)

Spine J 10 (2010)448 - 50

+Scheef,L.

Janukowski,J., Daamen,M., Weyer,G., Klingenberg,M.,
Renner,J., Mueckter,S., Schüremann,B., Musshoff,F.,
Wagner,F., Schild,H.H., Zimmer,A., Boecker,H.

An fMRI study on the acute effects of exercise on pain
processing in trained athletes

Pain 153 (2012)1702 - 14

-Scheele,J.

de Schepper,E.I., van Meurs,J.B. et al.

Association between spinal morning stiffness and lumbar disc
degeneration: the Rotterdam study

Osteoarthritis Cartilage 20 (2012)982 – 7 (Spine J)

+Schellinger,D.

Manz,H., Vidic,B., Patronas,N.J., Deveikis,J.P., Muraki,A.S.,
Abdullah,D.C.

Disk fragment migration

Radiology 175 (1990)831 – 6

- +Schellingerhout,J.M. Verhagen,A.P., Heymans,M.W., Pool,J.J.M., Vonk,F., Koes,B.W., de Vet,H.C.W.
Which subgroups of patients with non-specific neck pain are more likely to benefit from spinal manipulation therapy, physiotherapy, or usual care?
Pain 139 (2008)670 – 80
- +Schendel,M.J. Wood,K.B., Buttermann,G.R., Lewis,J.L., Ogilvie,J.W.
Experimental measurement of ligament force, facet force, and segment motion in the human lumbar spine
J Biomech 26 (1993)560 – 6
- +Schenk,M. Schmerztherapie: Wie sich Opioide einsparen lassen
Dt Ärztebl 117 (2020)A383 - 8
- +Schenk,M. Wirz,S.
Serotoninsyndrom und medikamentöse Schmerztherapie. Was ist für die Praxis relevant?
Schmerz 29 (2015)229 - 51
- +Schenk,P. Läubli,T., Hodler,J., Klipstein,A.
Magnetic resonance imaging of the lumbar spine. Findings in female subjects from administrative and nursing professions
Spine 31 (2006)2701 – 6
- +Schepers,R.J. Mahoney,J.L., Gehrke,B.J., Shippenberg,T.S.
Endogenous kappa-opioid receptor systems inhibit hyperalgesia associated with localized peripheral inflammation
Pain 138 (2008b)423 - 39
- +Schepers,R.J.-F. Mahoney,J.L., Shippenberg,T.S.
Inflammation-induced changes in rostral ventromedial medulla mu- and kappa opioid receptor mediated antinociception
Pain 136 (2008)320 - 30
- +Scherrer,J.F. Salas,J., Miller-Matero,L.R., Sullivan,M.D., Ballantyne,J.C., Debar,L., Grucza,R.A., Lustman,P.A., Ahmedani,B.

Long-term prescription opioid users' risk for new-onset depression increases with frequency of use

Pain 163 (2022)1581 – 9

doi.org/10.1097/j.pain.0000000000002547

+Schers,H.

Braspenning,J., Drijver,R., Wensing,M., Grol,R.

Low back pain in general practice: reported management and reasons for not adhering to the guidelines in the Netherlands

Br J Gen Pract 50 (2000)640 – 4

+Schers,H.

Wensing,M., Huijsmans,Z., van Tulder,M., Grol,R.

Implementation barriers for General Practice Guidelines on low back pain

Spine 26 (2001)E348 – 53

+Schiaffino,S.

Reggiani,C.

Molecular diversity of myofibrillar proteins: gene regulation and functional significance

Physiol Rev 76 (1996)371 – 423 (zit Regev et al., 2010)

+Schieffer,B.M.

Pham,Q., Labus,J., Baria,A., van Vort,W., Davis,P., Naliboff,B.D..

Pain medications beliefs and medication misuse in chronic pain

J Pain 6 (2005)620 – 9

Schifferdecker-Hoch,F.

Muskuläre Dekonditionierung: die Zivilisationsfalle unserer Gesellschaft?

Orthop Praxis 10 (2003)636 – 46 (zit. Michalski et al., 2007)

+Schilder,A.

Changes of pain sensitivity and differences in the quality of pain between fascia tissue and muscle tissue of the lower back in human

Manuelle Med 57 (2019)48 - 50

+Schilder,A.

Hoheisel,U., Magerl,W., Benrath,J., Klein,T., Treede,R.D.

Tiefe Gewebe und Muskelschmerzen. Reizung der Fascia thoracolumbalis durch hypertone Kochsalzlösung

Schmerz 28 (2014)90 - 2

- +Schilder,A. Hoheisel,U., Magerl,W., Benrath,J., Klein,T., Treede,R.D.
Sensory findings after stimulation of the thoracolumbar fascia with hypertonic saline suggest its contribution to low back pain
Pain 155 (2014a)222 – 31
- +Schilder,A. Magerl,W., Hoheisel,U., Klein,T., Treede,R.D.
Electrical high-frequency stimulation of the human thoracolumbar fascia evokes long-term potentiation-like pain amplification
Pain 157 (2016)2309 - 17
- +Schilder,A. Magerl,W., Klein,T., Treede,R.D.
Assessment of pain quality reveals distinct differences between nociceptive innervation of low back fascia and muscle in humans
Pain Reports 3 (2018)3: p e662 doi: 10.1097/PR9.0000000000000662
- +Schildt-Rudloff,K. (Hrsg.): Der Thoraxschmerz
Ullstein Mosby, Berlin, 1995
- +Schildt-Rudloff,K. Indikation zur Verordnung von manueller Therapie
Manuelle Med 44 (2006)533 - 9
- +Schildt-Rudloff,K. Ein ganz persönlicher Erfahrungsbericht aus der manuellen Medizin und Osteopathie
Manuelle Med 51 (2013)284 - 90
- +Schildt-Rudloff,K. Das „Janda-Konzept“. Untersuchung und Behandlung der Muskulatur im Kontext der manuellen Medizin
Manuelle Med 52 (2014)305 - 13
- +Schildt-Rudloff,K. Tlusteck,H.
Nachruf Prof. Karel Lewit
Manuelle Med 53 (2015)79 - 87
- +Schiltenswolf,M. Psychosoziales Screening bei Rückenschmerzpatienten in der Arztpraxis – was leisten die verfügbaren Instrumente? (Abstract)

- Schmerz 23 (2009)Suppl.1: 31
- +Schiltenswolf,M. Buchner,M., Heindl,B., von Reumont,J., Müller,A., Eich,W.
Comparison of biopsychosocial therapy (BT) with a
conventional biomedical therapy of subacute low back pain in
the first episode of sick leave: a randomized controlled trial
Eur Spine J 15 (2006)1083 – 92
- +Schiltenswolf,M. Schneider,S.
Activitiy and low back pain: A dubious correlation (editorial)
Pain 143 (2009)1 – 2
- (+)Schinkel-Ivy,A. Drake,J.D.M.
Interaction between thoracic movement and lumbar spine
muscle activation patterns in young adults asymptomatic for
low back pain: a cross-sectional study
J Manipul Physiol Ther (2019) 20.7.2019,
doi.org/10.1016/j.jmpt.2018.11.022
- +Schiotts-Christensen,B. Data from the Danish National Spine Registry including
incident back pain patientsseen on hospitals on diagnostic,
MRI/surgical rates, and referral for rehabilitation programm
The 11th IAMMM academy conference
Manuelle Med 58 (2020)70 - 1
- +Schiowitz,S. Facilitated positional release
J Am Osteopath Assoc 90 (1990)145 - 55
- +Schiphorst Peuper,H.R. Boonstra,A.M., Wever,D., Heuts,P.H.T.G., Dekker,J.H.M.,
Smeets,R.J.E.M., Brouwer,S., Geertzen,J.H.B.Reneman,M.F.
Differences in the relationship between psychosocial distress
and self-reported disability in patients with chronic low back
pain in six pain rehabilitation centers in the Netherlands
Spine 36 (2011)969 - 76
- +Schirmer,M. Lumbale Bandscheibenvorfälle. Segment LW4/5 als
physiologischer Schwachpunkt des Menschen
Notfall Hausarztmed 30 (2004)298 - 306
- +Schistad,E.I.. Espeland,A., Pedersen,L.M., Sandvik,L., Gjerstad,J., Roe,C.

- IL-6 and recovery in lumbal radicular pain
Eur J Pain 18 (2014)1394 - 1401
- +Schlaier,J.R. Eichhammer,P., Langguth,B., Doenitz,C., Binder,H., Hajak,G., Brawanski,A.
Effects of spinal cord stimulation on cortical excitability in patients with chronic neuropathic pain: a pilot study
Eur J Pain 11 (2007)863 - 8
- +Schleich,C. Müller-Lutz,A., Eichner,M., Schmitt,B., Matuschke,F., Bittersohl,B., Zilkens,C., Wittsack,H.J., Antoch,G., Miese,F.
Glycosamingycan chemical exchangesaturation transfer of lumbar intervertebral discs in healthy volunteers
Spine 41 (2016)146 - 52
- +Schleicher,E.D. Wagner,E., Nerlich,A.G.
Increased accumulation of the glycoxidation product N-(carboymethyl)lysine in human tissue in diabetes and aging
J Clin Invest 99 (1997)457 – 68
- +Schleicher,R.L. Caroll,M.D., Ford,E.S., Lacher,D.A.
Serum vitamin C and the prevalence of vitamin C deficiency in the United States 2003 – 2004 National Health and Nutrition Examination Survey (NHANES)
Am J Clin Nutr 90 (2009)1252 – 63
- +Schleip,R. Faszien und Nervensystem
Osteopath Med 4 (2003)1: 26
- +Schleip,R. Fascial plasticity – a new neurobiological explanation. Part I
J Bodyw Mov Ther 7 (2003a)11 – 9
- Schleip,R. Die Bedeutung der Faszien in der manuellen Therapie
Dt Z Osteopath 1 (2004)10 – 6 (zit. Engel et al. 2018)
- +Schleip,R. Leben ist Bewegung. Leben ist Begegnung
Osteopath Med 9 (2008)1: 41
- +Schleip,R. Faszien: Was ist übrig von der Hype?
Z Komplementärmed 15 (2023)14 - 9

+Schleip,R.

Veränderungen der thorakolumbalen Faszie beim Rückenschmerz: Henne oder Ei?

Manuelle Med 63 (2025)93 – 96

doi.org/10.1007/s00337-025-01147-4

+Schleip,R.

Bartsch,K.

Faszien als sensorisches und emotionales Organ. Emotionen, Faszien und Immunsystem

Osteopath Med 24 (2023)2: 28 – 31 (deutsch von F. Bahle in
Anlehnung an Schleip,R., The fascial network. Our richest
sensory organ. Massage Bodywork (2022)09/10: 41 – 51)

+Schleip,R.

Grau, T.

Die Faszienstruktur des menschlichen Körpers und die Rolfing-Methode

Zeitschr Komplementärmed 1 (2009)2: 18 - 23

+Schleip,R.

Jäger, H.

Faszien und ihre Bedeutung für die Interozeption

Osteopath Med 15 (2014)3: 25 - 30

(+)Schleip,R.

Klingler, W.

Schleip & Klingler's response to Stecco's fascial nomenclature
editorial

J Bodywork Movem Ther (2014)

doi.org/10.1016/j.jbmt.2014.04.018

+Schleip,R.

Klingler, W., Lehmann-Horn, F.

Active fascial contractility: fascia may be able to contract in a smooth muscle like manner and thereby influence musculoskeletal dynamics

Med Hypothesis 65 (2005)273–7

-Schleip,R.

Klingler, W., Lehmann-Horn, F.

Fascia is able to contract in a smooth muscle-like manner and thereby influence musculoskeletal mechanics

In: Fascia research. Basic science and implications for conventional and complementary health care

- München, Elsevier, 2007, S. 77
- +Schleip,R. Klingler,W., Lehmann-Horn,F.
- Faszien besitzen eine der glatten Muskulatur vergleichbare Kontraktionsfähigkeit und können so die muskuloskelettale Mechanik beeinflussen.
- Erstveröffentlichung in: Liepsch,D.: Proceedings of the 5th World Congress of Biomechanics, München, Deutschland, 2006, S. 51 – 4
- Osteopathische Medizin 9 (2008)4: 19 - 21
- Schlett,C. van den Keylen,P., Schöpf-Lazzarino,A.C., Röttele,N., Körner,M., Maun,A., ..., Voigt-Radloff,S. und weitere 4 Autoren
- Wirksamkeit eines ärztlich eingeführten Webportals zu Rückenschmerzen. Eine clusterrandomisierte kontrollierte Studie
- Dt Ärztebl 122 (2025)8: 203 – 9
doi.org/10.3238/aerztebl.m2025.0015
- +Schmähling,F. Überlastungsschäden im Radsport. Rückenbeschwerden, Knie- und Hüftschmerzen
- Sportärztezeitung 8 (2022)4: 8 - 10
- +Schmelz,M. Mantyh,P., Malfait,A.M., Farrar,J., YakshT., Tiva,L., Viktrup,L.
- Nerve growth factor antibody for the treatment of osteoarthritis pain and chronic low-back pain: mechanism of action in the context of efficacy and safety
- Pain 160 (2019)2210 - 20
- +Schmelz,M. Schmidt,R., Weidner,C., Hilliges,M., Torebjork,H.E., Handwerker,H.O.
- Chemical response pattern of different classes of C-nociceptors to pruritogens and algogens
- J Neurophysiol 89 (2003)2441 – 8
- +Schmelzer,A.C. Salt,E., Wiggins,A., Crofford,L.J., Bush,H., Mannino,D.M.
- Role of stress and smoking as modifiable risk factors for nonpersistent and persistent back pain in women
- Clin J Pain 32 (2016)232 - 7

- +Schmid,A.B. Tampin,B., Baron,R., Finnerup,N.B., Hansson,P., Hietaharju,A., Konstantinou,K., Lin,C.W.C., Markman,J., Price,C., Smith,B.H., Slater,H.
- Recommendations for terminology and the identification of neuropathic pain in people with spine-related leg pain. Outcomes from the NeuPSIG working group
- Pain 164 (2023)1693 – 1704
doi.org/10.1097/j.pain.0000000000002919
- Schmid,H.J.A. Iliosacrale Diagnose und Behandlung 1978 – 1982
- Manuelle Med 23 (1985)101 – 8 (zit. van Deursen et al., 1992)
- +Schmid,R.L. Sandler,A.N., Katz,J.
- Use and efficacy of low-dose ketamine in the management of acute postoperative pain. A review of current techniques and outcomes
- Pain 82 (1999)111 – 25
- +Schmid,T. Mederer,A., Weishaupt,P., Möckel,F., Prochnow,T.
- Die wirbelsäulenstabilisierende Muskulatur bei Läufem
- Sportverl Sportschad 16 (2002)59 - 63
- +Schmidt,A.J.M: Cognitive factors in the performance level of chronic low back pain patients
- J Psychosom Res 29 (1985)183 – 9
- +Schmidt,A.J.M: Performance level of chronic low back pain patients in different treadmill test conditions
- J Psychosom Res 29 (1985)639 - 45
- +Schmidt,B.L. Tambeli,C.H., Barletta,J., Luo,I., Green,P., Levine,J.D., Gear,R.W.
- Altered nucleus accumbens circuitry mediates pain – induced antinociception in morphine-tolerant rats
- J Neurosci 22 (2002a)6773 – 80
- +Schmidt,B.L. Tambeli,C.H., Levine,J.D., Gear,R.W.
- Mu/delta cooperativity and opposing kappa-opioid effects in nucleus accumbens-mediated antinociception in the rat

- Eur J Neurosci 15 (2002b)861 – 8
- +Schmidt,C.O. Fahland,R.A., Raspe,H., Kohlmann,T.
- Schmerzkognitionen und Coping – Vergleichende Betrachtungen zu Rücken- und Kopfschmerzen aus epidemiologischer Perspektive
- Abstracts Deutscher Schmerzkongress 2008
- Schmerz 22 (2008)Suppl.2: 76
- +Schmidt,C.O. Kohlmann,T.
- Was wissen wir über das Symptom Rückenschmerz? Epidemiologische Ergebnisse zu Prävalenz,Inzidenz, Verlauf
- Z Orthop Grenzgeb 143 (2005)292 – 8
- +Schmidt,C.O. Lindena,G., Pfingsten,M., Kohlmann,T., Chenot,J.F.
- Vergleich zweier Screening-Fragebögen für Patienten mit Rückenschmerzen. Erfassung von Risikofaktoren für eine Chronifizierung
- Schmerz 28 (2014)365 - 73
- +Schmidt,C.O. Moock,J., Fahland,R.A., Feng,Y.Y.S., Kohlmann,T.
- Rückenschmerz und Sozialschicht bei Berufstätigen. Ergebnisse einer deutschen Bevölkerungsstichprobe
- Schmerz 25 (2011a)306 - 14
- +Schmidt,C.O. Raspe,H., Kohlmann,T.
- Graded back pain revisited – Do latent variable models change our understanding of severe back pain in the general population?
- Pain 149 (2010)50 - 6
- +Schmidt,C.O. Raspe,H., Pfingsten,M., Hasenbring,M., Basler,H.D., Eich,W., Kohlmann,T.
- Back pain in the german adult population. Prevalence, severity and sociodemographic correlates in a multiregional survey
- Spine 32 (2007)2005 – 11
- +Schmidt,E. Gramm,L., Farin,E.

- Kommunikationspräferenzen chronischer Rückenschmerzpatienten in der medizinischen Rehabilitation
Schmerz 26 (2012)69 - 76
- +Schmidt,H. Drusko,A., Renz,M.P., Schlömp,L., Tost,H., Schuh-Hofer,S., Tesarz,J., Meyer-Lindenberg,A., Treede,R.D.
Application of the grading system for „nociplastic pain“ in chronic primary and chronic secondary pain conditions: a field study
Pain 166 (2015)196 – 211
doi.org/10.1097/j.pain.00000000000003355
- +Schmidt,H. Heuer,F., Claes,L., Wilke,H.J.
Relation between the instantaneous center of rotation and facet joint forces - a finite element analysis
Clin Biomech (Bristol, Avon) 23 (2008b)
- +Schmidt,H. Heuer,F., Wilke,H.J.
Interaction between finite helical axes and facet joint forces under combined loading
Spine 33 (2008a)2741 - 8
- +Schmidt,H. Kettler,A., Heuer,F., Simon,U., Claes,L.,Wilke,H.J.
Intradiscal pressure, shear strain, and fiber strain in the intervertebral disc under combined loading
Spine 32 (2007)748 - 55
- Schmidt,H. Kettler,A., Rohlmann,A. et al.
Under which load combination and degree of disc degeneration exists the highest of annular failure and disc prolapses? 2007, 53rd Annual meeting of the Orthopaedic Research Society, Poster No. 1032 (zit. Natarajan et al., 2008)
- Schmidt,M. Sorensen,H.T., Pedersen,L.
Diclofenac use and cardiovascular risk
BMJ 362 (2019)k3426 (Zugriff 15.9.2019)
- +Schmidt,R. Schmelz,M., Weidner,C., Handwerker,H.O., Torebjork,H.E.
Innervation territories of mechano-insensitive C-nociceptors in human skin

- J Neurophysiol 88 (2002)1859 – 66
- +Schmidt,S. Einführung in die Osteopathie: Geschichte – Grundprinzipien – Anwendungsmöglichkeiten
- Dt Ztschr Akup 59 (2016)4: 21- 6
- +Schmidt,S. Grossman,P., Schwarzer,B., Jena,S., Naumann,J., Walach,H.
- Treating fibromyalgia with mindfulness-based stress reduction: Results from a 3-armed controlled trial
- Pain 152 (2011)361 – 9
- +Schmidt,S. Wölflle,N., Schultz,C., Sielmann,D., Huber,R., Walach,H.
- Assessment of a taping method combined with manual therapy as a treatment of non-specific chronic low back pain – a randomized controlled trial
- BMC Musculoskel Disord 22 (2021)410
doi.org/10.1186/s12891-021-04236-2
- +Schmidt,T. Burger,S., Fetzer,F., Reer,R., Braumann,K.M.
- Auswirkung von thorakalen Manipulationen auf die sagittale Ausrichtung der Wirbelsäule. Pilotstudie
- Manuelle Med. 50 (2012a)197 - 203
- +Schmidt-Wilcke,T. Leinisch,E., Gänßbauer,S., Draganski,B., Bogdahn,U., Altmeyen,J., May,A.
- Affective components and intensity of pain correlate with structural differences in grey matter in chronic back pain patients
- Pain 125 (2006)89 – 97
- +Schmidtko,A. Lou,C., Gao,W., Geisslinger,G., Kuner,R., Tegeder,I.
- Genetic deletion of synapsin II reduces neuropathic pain due to reduced glutamate but increased GABA in the spinal cord dorsal horn
- Pain 139 (2008)632 – 43
- +Schmitt,N. Gerbersgahen,H.U.
- The Mainz pain staging system (MPSS) for chronic pain
- Pain 5 (1990) Suppl.: 484

+Schmitz,U.

Saile,H., Nilges,P.

Coping with chronic pain: flexible goal adjustment as an interactive buffer against pain-related distress

Pain 67 (1996)41 – 51

Schmorl,G.

Die pathologische Anatomie der Wirbelsäule

Verh Dtsch Orthop Ges 21 (1927)3 - 41

Schmorl,G. et al. (eds)

The Human Spine in Health and Disease.
Anatomicopathologic Studies

New York, Grune & Stratton, 1959 (zit. Pezowicz et al., 2006)

Schmorl,G.

Junghanns,H.

The Human Spine in Health and Disease

New York, Grune & Stratton, 1971 (zit. Vernon-Roberts et al., 2007)

+Schnabel,A.

Pogatzki-Zahn,E.

Prädiktoren für chronische Schmerzen nach Operationen.
Was wissen wir wirklich?

Schmerz 24 (2010)517 - 33

+Schnebel,B.E.

Watkins,R.G., Dillin,W.

The role of spinal flexion and extension in changing nerve root compression in disc herniations

Spine 8 (1989)835 – 7

+Schneider,B.J.

Hunt,C., Conger,A., Qu,W., Maus,T.P., Vorobeychik,Y.,
Cheng,J., Duszynski,B., McCormick,Z.L.

The effectiveness of inradiscal biologic treatments for discogenic low back pain: a systematic review

Spine J 22 (2022)226 – 37

doi.org/10.1016/j.spinee.2021.07.015

+Schneider,F.

Bermpohl,F., Heinzl,A., Rotte,M., Walter,M.,
Tempelmann,C., Wiebking,C., Dobrowolny,H., Heinze,H.N.,
Northoff,G.

The resting brain and our self: self-relatedness modulated resting state neural activity in cortical midline structures

- Neurosci 157 (2008)120 – 31
- +Schneider,J. Kreutz,R., Bolbrinker,J.
- CME Zertifizierte Fortbildung: Pharmakologie der Nichtopioidanalgetika
- Schmerz 33 (2019)165 - 79
- +Schneider,M.J. A comparison of nonsurgical treatment methods for patients with lumbar spinal stenosis
- Proceedings of the 32nd annual meeting of the north american spine society, Orlando, Florida, October 25 – 28, 2017
- Spine J 17 (2017) 10 Suppl.: S 89
- +Schneider,M.J. Haas,M., Glick,R.M., Stevans,J.M., Landsittel,D.
- A comparison of spinal manipulation methods and usual medical care for low back pain: a randomized clinical trial
- Proceedings of the 29th annual meeting of the North American Spine Society
- Spine J 14 (2014a)11S: 46S – 47S
- +Schneider,M.J. Haas,M., Glick,R.M., Stevans,J.M., Landsittel,D.
- A comparison of spinal manipulation methods and usual medical care for acute and subacute low back pain. A randomized clinical trial
- Spine 40 (2015)209 - 17
- Schneider,S. Prävalenz und Epidemiologie des Rückenschmerzes in der Bundesrepublik Deutschland
- Med. Habilitation, Ruprecht-Karls-Universität Heidelberg, 2006 (zit. Müller, 2007)
- +Schneider,S. Zur diametralen Wirkung körperlicher Bewegung in Beruf und Freizeit auf das Rückenschmerzrisiko – Eine bundesweite Repräsentationsstudie unter Berücksichtigung weiterer sozialer Risikofaktoren
- Dt Z Sportmed 58 (2007)433 - 40
- +Schneider,S. Lipinski,S., Schiltenswolf,M.

- Occupations associated with a high risk of self-reported back pain: representative outcomes of a back pain prevalence study in the Federal Republic of Germany
- Eur Spine J 15 (2006)821 - 33
- +Schneider,S. Mohnen,S.M., Schiltewolf,M., Rau,C.
- Comorbidity of low back pain: representative outcomes of a national health study in the federal republic of germany
- Eur J Pain 11 (2007a)387 – 97
- +Schneider,S. Randoll,D., Buchner,M.
- Why do women have back pain more then men? A representative prevalence study in the federal republic of Germany
- Clin J Pain 22 (2006)738 - 47
- +Schneider,S. Schiltewolf,M.
- Preaching to the converted: Über- und Unterversorgung in der Schmerzprävention am Beispiel bundesdeutscher Rückenschulen
- Schmerz 19 (2005)477 – 88
- Schneider,S. Schiltewolf,M., Zoller,S.M., Schmitt,H.
- The association between social factors, employment status, and self reported back pain – a representative prevalence study on the German general population
- J Public Health 13 (2005)30 – 9 (zit. Shiri et al., 2016)
- +Schneider,S. Schmitt,H., Zoller,S., Schiltewolf,M.
- Workplace stress, lifestyle and social factors as correlates of back pain. A representative study on the German working population
- Int Arch Occup Environ Health 78 (2005b)253 – 269
- +Schneiderman,G. Flannigan,B., Kingston,S., Thomas,J., Dillin,W.H., Watkins,R.G.
- Magnetic resonance imaging in the diagnosis of disc degeneration: correlation with discography
- Spine 12 (1987)276 – 81
- +Schnitzer,T.J. Gray,W.L., Paster,R.Z., Kamin,M.

- Efficacy of tramadol in treatment of low back pain
J Rheumatol 27 (2000)772 – 8
- +Schnorr,S. Eberhardt,M., Kistner,K., Rajab,H., Käßer,J., Hess,A., Reeh,P., Ludwig,A., Herrmann,S.
HCN2 channels account for mechanical (but not heat) hyperalgesia during long-standing inflammation
Pain 155 (2014)1079 - 90
- +Schnurr,R.F. MacDonald,M.R.
Memory complaints in chronic pain
Clin J Pain 11 (1995)103 – 11
- +Schockert,T. Beissner,F.
Neurophysiologische Korrelate der Wirkung von YNSA bei Patienten mit chronischen Schmerzen des Bewegungsapparates
Dt Ztschr Akup 53 (2010)2: 8 - 13
- +Schoenborn,C. Marital status and health: United States, 1999 – 2002
Adv Data 353 (2004)1 – 32
- +Schoenfeld,A.J. Peripheral joint arthritis and its influence on adult spinal deformity – commentary-
Spine 49 (2024)752 – 3
doi.org/10.1097/BRS.0000000000004956
- +Schofferman,J.A. Commentary on the significance of pain catastrophizing in clinical manifestations of patients with lumbar spinal stenosis: mediation analysis with bootstrapping
Spina J 15 (2015)247 - 8
- +Schofferman,J. Mazanec,D.
Evidence-informed management of chronic low back pain with opioid analgesics
Spine J 8 (2008)185 - 94
- Schöffl,V. Bergsport – extremes Klettern: Die häufigsten Unfälle und Verletzungen
Sportverl Sportschad 21 (2007)104 - 7

- +Schofield,D.J. Commentary: How should we measure the impact of chronic pain? Limitations of utility measurements using the EQ-5D and SF-6D
- Pain 155 (2014)1918 - 9
- +Schofield,D. Cunich,M.M., Shrestha,R.N., Tanton,R., Veerman,L., Kelly,S.J., Passey,M.E.
- The indirect costs of back problems (dorsopathies) in Australians aged 45 to 64 years from 2015 to 2030: results from a microsimulation model, Health&WealthMOD2030
- Pain 157 (2016)2816 - 25
- Schofield,D.J. Shresta,R.N., Passey,M.E., Earnest,A., Fletcher,S.L.
- Chronic disease and labour force participation among older Australians
- Med J Aust 189 (2008)447 – 50 (zit. Wainwright et al., 2022)
- +Schofield,D.J. Shresta,R.N., Perdival,R., Passey,M.E., Callander,E.J., Kelly,S.J.
- The personal and national costs of early retirement because of spinal disorder: impacts on income, taxes, and government support payment
- Spine J 12 (2012a)1111 - 8
- +Schofield,D.J. Zeppel,M.J.B., Tanton,R., Veerman,J., Passey,M.E., Shresta,R.N.
- Informal caring for back pain: overlooked costs of back pain and projections to 2030
- Pain 161 (2020)1012 - 8
- +Scholi-Salter,E.R. Forman,D.E., Otis,J.D., Gregor,K., Valovski,I., Rasmussen,A.M.
- The shared neuroanatomy and neurobiology of comorbid chronic pain and PTSD: therapeutic implications
- Clin J Pain 31 (2015)363 - 74
- +Scholich,S.L. Hallner,D., Wittenberg,R.H., Rusu,A.C., Hasenbring,M.J.
- Schmerzverarbeitungsmuster bei chronischen Rückenschmerzen. Pilotstudie. Der Einfluss von „Avoidance-Endurance“-Modell-Pattern auf die Lebensqualität, Schmerzintensität und Beeinträchtigung

	Schmerz 25 (2011)184 - 90
+Schöllmann,C.	Balneotherapie bei Rückenschmerzen
	Ärztezeitschr Naturheilverf 46 (2005)659
+Schollum,M.L.	Appleyard,R.C., Little,C.B., Melrose,J.
	A detailed microscopic examination of alterations in normal anular structure induced by mechanical destabilization in an ovine model of disc degeneration
	Spine 35 (2010)1965 - 73
+Schollum,M.L.	Robertson,P.A., Broom,N.D.
	ISSLS prize winner: Microstructure and mechanical disruption of the lumbar disc annulus. Part I: A microscopic investigation of the translamellar bridging network
	Spine 33 (2008)2702 - 10
+Scholz,A.	Kubomaya,N., Hempelmann,G., Vogel,W.
	Complex blockade of TTX-resistant Na ⁺ currents by lidocaine and bupivacaine reduce firing frequency in DRG neurons
	J Neurophysiol 79 (1998)1746 – 54
Scholz,A.	Vogel,W.
	Tetrodotoxin-resistant action potentials in dorsal root ganglion neurons are blocked bei local anesthetics
	Pain 89 (2000)47 – 52 (zit. Smith & Lindsay, 2007)
+Scholz,J.	Abele,A., Marian,C., Häussler,A., Herbert,T.A., Woolf,C.J., Tegeder,I.
	Low-dose methotrexate reduces peripheral nerve injury-evoked spinal microglial activation and neuropathic pain behavior in rats
	Pain 138 (2008)130 - 42
+Scholz,J.	Woolf,C.J.
	Can we conquer pain?
	Nat Neurosci 5 (2002)1062 – 7
Schomburg,E.D.	Spinale Mechanismen der Steuerung neuromuskulärer Balance

In: Zichner,L., Engelhardt,M., Freiwald,J. (Hrsg.):
Neuromuskuläre Dysbalancen, Nürnberg, Novartis

Schomburg,E.D.

Spinale Mechanismen zur Steuerung neuromuskulärer
Balance

Schriftlich Unterlagen anlässlich des Symposiums „Sport und
Medizin – neuromuskuläre Dysbalance“ am 16. Und
17.9.1995 in Frankfurt (zit. Freiwald & Engelhard, 1996)

+Schomburg,E.D.

Steffens,H., Kniffki,K.D.

Contribution of group III and IV muscle afferents to
multisensorial spinal motor control in cats

Neurosci Res 33 (1999)195 – 206

+Schomburg,E.D.

Steffens,H., Maznychenko,A.V., Pilyavskii,A.I., Hellström,F.,
Kostyukov,A.I., Maisky,V.A.

Acute muscle inflammation enhances the monosynaptic
reflexes and c-fos expression in the feline spinal cord

Eur J Pain 11 (2007)579 – 86

+Schomburg,E.D.

Steffens,H., Mense,S.

Contribution of TTX-resistant C-fibres and A-delta-fibres to
nociceptive flexor-reflex and non-flexor-reflex pathways in
cats

Neurosci Res 37 (2000)277 – 82

+Schönnagel,L.

Caffard,T., Zhu,J., Tani,S., Camino-Willhuber,G., Amini,D.A.,
Haffer,H., ..., Hughes,A.P. und weitere 12 Autoren

Decision making algorithm for the surgical treatment of
degenerative lumbar spondylolisthesis of L4/L5

Spine 49 (2024)261 – 8

doi.org/10.1097/BRS.0000000000004748

+Schönnagel,L.

Güven,A.E., Camino-Willhuber,G., Caffard,T.H., Tani,S., Zhu,J.,
Haffer,H., ..., Hughes,A.P. und weitere 10 Autoren

Examining the role of paraspinal musculature in
postoperative disability after lumbar fusion surgery for
degenerative spondylolisthesis

Spine 49 (2024)997-1003

doi.org/10.1097/BRS.0000000000004840

- +Schönnagel,L. Zhu,J., Guven,A.E., Camino-Willhuber,G., Tani,S., Caffard,T.,
Haffer,H., ... Hughes,A.P. und weitere 12 Autoren
- Understanding the interplay between paraspinal muscle atrophy and lumbar endplate degeneration. A 3-year longitudinal study
- Spine 48 (2023)1627 – 34
doi.org/10.1097/BRS.0000000000004826
- +Schönström,N. Lindahl,S., Willen,J., Hansson,T.
- Dynamic changes in the dimensions of the lumbar spinal canal: an experimental study in vitro
- J Orthop Res 7 (1989)115 – 21
- +Schopper,M. Fleckenstein,J., Irnich,D.
- Geschlechtsspezifische Aspekte bei akuten und chronischen Schmerzen. Implikationen für Diagnose und Therapie
- Schmerz 27 (2013)456 - 66
- +Schöps,P. Azad,S.C., Beyer,A., Friedle,A.M., Lade,B., Schmitt,H.J.,
Pfungsten,M.
- Das Münchner Rücken-Intensiv-Programm (MÜRIP). Propektive Studie zur Evaluation eines ambulanten multimodalen Rahabilitationsprogramms für Patienten mit chronischen Rückenschmerzen
- Phys Med Rehab Kurort 10 (2000)120 – 6 .
- +Schöps,P. Seeger,D.
- Physikalisch-medizinische Therapie bei akuen und chronischen Schmerzen
- Schmerz 23 (2009)191 - 212
- +Schoaser,B. Rückenschmerz und chronifiziertes myofasiales Schmerzsyndrom: neue Aspekte zur Therapie du Muskelregeneration
- Abstract 18. Deutscher Interdisziplinärer Schmerzkongress, 15.-17. März 2007, Frankfurt/M., S. 20
- +Schouppe,S. Clauwaert,A., van Oosterwijck,J., van Damme,S., Palmans,T.,
Wiersema,J.R., Sanchis-Sanchez,E., Danneels,L.

- Does experimentally induced pain-related fear influence central and peripheral movement preparation in healthy people and patients with low back pain?
- Pain 161 (2020)1212 - 26
- +Schröder,P. Grob,D., Rahn,R.A., Cordey,J., Dvorak,J.
- Histology of ligamentum flavum in patients with degenerative lumbar spinal stenosis
- Eur Spine J 8 (1999)323 – 8
- +Schramm,C.L. Honda,C.N.
- Co-administration of delta- and mu-opioid receptor agonists promotes peripheral opioid receptor function
- Pain 151 (2010)763 - 70
- +Schreiber,C. Osteopathie bei Low Back Pain in der Schwangerschaft – eine Fallstudie
- Osteopath Med 18 (2017)2: 10 - 14
- +Schreijenberg,M. Lin,C.W.C., Mclachlan,A.J., Williams,C.M., Kamper,S.J., Koes,B.W., Maher,C., Billot,L.
- Paracetamol is ineffective for acute low back pain even for patients who comply with treatment: complier average causal effect analysis of a randomized controlled trial
- Pain 160 (2019)2848 - 54
- +Schröder,J. Stiller,T., Mattes,K.
- Wirbelsäulenformkennziffern als Indikatoren für Beschwerden des unteren Rückens
- Dt Z Sportmed 61 (2010)91 -
- +Schroeder,G.D. Mendoza,M., Daley,E., LaBella,C., Savage,J.W., Patel,A.A., Hsu,W.K.
- The role of athletic activity on structural lumbar abnormalities in adolescent patients with symptomatic low back pain
- Proceedings of the 29th annual meeting of the North American Spine Society
- Spine J 14 (2014)11S: 139S

+Schroeder,J.

Otte,A., Reer,R., Braumann,K.M.

Low back pain – an umbrella overview of exercise therapy in the general population and special demands in athletes

Dt Z Sportmed 66 (2015)257 - 62

Schröter,C.

Schiltenswolf,M., Henningsen,P.

Erklärungsmodelle von Schmerzpatienten –
Beschwerdepräsentation, Ursachenvorstellungen und
Hilfesucheverhalten bei Rückenschmerzen

Schmerz 21 (2007)244 – 50

Schroeter,S.

Bloch,W., Hirschmüller,A., Engelhard,M., Heiss,R., Hotfield,T.

Update:Delayed onset muscle soreness (DOMS) – muscle
biomechanics, pathophysiology and therapeutic approaches.
Update: Verspätet einsetzender Muskelkater –
Muskelbiomechanik, Pathophysiologie und therapeutische
Ansätze

Dtsch Z Sportmed 75 (2024)189 – 194
doi.org/10.5960/dzsm.2024.608

(+)Schu,S.

Sloty,P.J., Bara,G., von Knop,M., Edgar,D., Vesper,J.

A prospective, randomized, double-blind, placebo-controlled
study to examine the effectiveness of burst spinal cord
stimulation patterns for the treatment of failed back surgery
syndrome

Neuromodulation 17 (2014)443 – 50 (Internetzugriff
14.7.17)

+Schubert,I.

Ihle,P., Sabatowski,R.

Zunahme der Opioidverordnungen in Deutschland zwischen
2000 und 2010. Eine Studie auf der Basis von
Krankenkassendaten

Dtsch Ärztebl 110 (2013)4: 45 - 51

+Schueler,M.

Messlinger,K., Dux,M., Neuhuber,W.L.

Extracranial projections of meningeal afferents and their
impact on meningeal nociception and headache

Pain 154 (2013)1622 – 31
doi.org/10.1016/j.pain.2013.04.040

Schueler,M.	Neuhuber,W.L., de Col,R., Messlinger,K. Innervation of rat and human dura mater and pericranial tissues in the parieto-temporal region by menigeal afferents Headache 54 (2014)996 – 1009 doi.org/10.1111/head.12371
Schug,S.	Large,R. Opioids for non-cancer pain. Pain:Clin Update 3 (1995)1 – 4 (so zit. Hojsted & Sjogren, 2007)
+Schuh,A.	Wenn der Rücken schmerzt. Welche Matratze ist die beste? MMW – Fortschr Med 159 (2017)4: 54 - 6
+Schuh,A.	Hönle,W., Kladny,B. Konservative physikalische Therapieprinzipien,Teil 1: Krankengymnastik. Von Bobath bis bewegungsbad: Wem hilft welche Maßnahme? MMW – Fortschr Med 150 (2008)20: 40 – 2
+Schuh,C.D.	Pierre,S., Weigert,A., Weichand,B., Altenrath,K., Schreiber,Y., Ferreiros,N., Zhang,D.D., Suo,J., Treutlein,E.M., Henke,M., Kunkel,H., Grez,M., Nüsing,R., Brüne,B., Geisslinger,G., Scholich,K. Prostacyclin mediates neuropathic pain through interleukin 1 beta – expressing resident macrophages Pain 155 (2014)545 - 55
+Schuh-Hofer,S.	Treede,R.D. Definition und Pathophysiologie neuropathischer Schmerzen Nervenheilkunde 31 (2012)115 - 22
+Schuh-Hofer,S.	Wodarski,R., Pfau,D.B., Caspani,O., Magerl,W., Kennedy,J.D., Treede,R.D. One night of total sleep deprivation promotes a state of generalized hyperalgesia: A surrogate pain model to study the relationship of insomnia and pain Pain 154 (2013)1613 - 21
+Schuit,D.	McPoil,T.G., Mulesa,P. Incidence of sacroiliacal joint malalignment in leg length discrepancies

- J Am Podiatr Med Assoc 79 (1989)380 – 3
- +Schuller,S. Charles,V.P., Steib,J.P.
- Sagittal spinopelvic alignment and body mass index in patients with degenerative Spondylolisthesis
- Eur Spine J 20 (2011)713 - 9
- +Schuler,M. Griebinger,N.
- Opioide bei Nichttumorschmerz in höherem Lebensalter
- Schmerz 29 (2015)380 - 401
- +Schuler,M. Schwarzmann,G.
- Das Mainzer Stadienmodell der Schmerzchronifizierung ist auch bei stationären geriatrischen patienten zur Graduierung chronischer Schmerzen geeignet
- Schmerz 34 (2020)332 - 42
- +Schulte,A. Lohner,H., Degenbeck,J., Segebarth,J., Rittner,H.L., Blum,R., Aue,A.
- Unbiased analysis of the dorsal root ganglion after peripheral nerve injury: no neural loss, no gliosis, but satellite glial cell plasticity
- Pain 164 (2023)728 – 40
doi.org/10.1097/j.pain.0000000000002758
- +Schulte,T.L. Filler,T.J., Struwe,P., Liem,D., Bullmann,V.
- Intra-articular meniscoid folds in thoracic zygoapophyseal joints
- Spine 35 (2010)E191 - 7
- +Schultz,A. Andersson,G., Ortengren,R., Haderspeck,K., Nachemson,A.
- Loads on the lumbar spine. Validation of a biomechanical analysis by measurements of intradiscal pressures and myoelectric signals
- J Bone Joint Surg Am 64 (1982)713 – 20
- Schultz,I.Z. et al. Biopsychosocial multivariate predictive model of occupational low back disability
- Spine 27 (2002)2720 – 5 (zit. Prkachin et al., 2007)

- +Schultz,I.Z. Crook,J., Meloche,G.R.,Berkowitz,J., Milner,R., Zuberbier,O.A., Meloche,W.
Psychosocial factors predictive of occupational low back disability: towards development of a return-to-work model
Pain 107 (2004)77 – 85
- +Schultz,M.J. Licciardone,J.C.
The effect of long-term opioid use on back-specific disability and health related quality of live in patients with low back pain
J Osteopath Med (2022) pul. Online 21.6.2022
doi.org/10.1515/jom-2021-0172
- Schultz,S.J. Gordon,S.J.
Recreational cyclists: the relationship between low back pain and training characteristics
Int J Exerc Sci 3 (2010)3: 79 – 85 (zit, Pieber, 2018)
- +Schulz,C. Evans,R., Maiers,M., Schulz,K., Leininger,B., Bronfort,G.
Spinal manipulative therapy and exercise for older adults with chronic low back pain: a randomized clinical trial
Chiropr Man Ther 27 (2019)21 doi.org/10.1186/s12998-019-0234-1
- Schulz,D.R. Harrington,W.J.Jr.
Apoptosis: programmed cell death at molecular level
Semin Arthritis Rheum 32 (2003)345 – 69 (zit. Wei et al., 2008)
- +Schulz,K.F. Chalmers,I., Hayes,R.J., Altman,D.G.
Empirical evidence of bias: dimensions of methodological quality associated with estimates of treatment effects in controlled trials
J Am Med Ass 273 (1995)408 – 12
- Schulz,M. Kaufmann,J.
Zentralinstitut für die kassenärztliche Versorgung in der Bundesrepublik Deutschland (ZI), Schulz M, Kaufmann J. Auswertung zum unspezifischen Kreuzschmerz (Präsentation). 2016.

Zit. NVL (2017)

+Schulz,S.S.

Severe back pain in elite athletes:a cross-sectional study on 929 top athletes of Germany

Dissertation Zentrum für Muskuloskeletale Medizin der medizinischen Fakultät Charite – Universitätsmedizin Berlin, 2016 (Internetzugriff 18.12.16)

+Schulze,B.

Die Muskulatur in der Untersuchung und Behandlung aus der Sicht der ÄMM

Manuelle Med 42 (2004)220 - 3

+Schulze-Osthoff,K.

Bakker,A.C., Vanhaesebroeck,B., Beyaert,R., Jacob,W.A., Fiers,W.

Cytotoxic activity of tumor necrosis factor is mediated by early damage of mitochondrial functions: evidence for the involvement of mitochondrial radical generation

J Biol Chem 267 (1992)5317 – 23

+Schumacher,J.

Brähler,E.

Prävalenz von Schmerzen in der deutschen Bevölkerung: Ergebnisse repräsentativer Erhebungen mit dem Gießener Beschwerdebogen

Schmerz 13 (1999)375 – 84

-Schumacher,J.

Leppert,K., Gunzelmann,T. et al.

Die Resilenzskala – ein Instrument zur Erfassung der psychischen Widerstandsfähigkeit als Personenmerkmal

Z Klein Psychol Psychiatr Psychother 53 (2005)16 – 39 (zit. Jegan et al., 2013)

Schumacher,M.A.

Basbaum,A.I., Naidu,R.K.

Opioid agonists and antagonists

In: Katzung,B.G., Trevor,A.J. (Hrsg.): Basic and clinical pharmacology. McGraw-Hill, New York, 2015, S. 531 – 51 (zit. Stein, 2019)

+Schumacher,M.A.

Jong,B.E., Frey,S.L., Sudanagunta,S.P., Capra,N.F., Levine,J.D.

The stretch-inactivated channel, a vanilloid receptor variant, is expressed in small-diameter sensory neurons in the rat

Neurosci Lett 287 (2000)215 – 8

- +Schupp,W. Boisseree,W.
Neuroanatomische Grundlagen des kranio-mandibulären Systems. Die Basalganglien
Manuelle Med 54 (2016)205 - 11
- +Schupp,W. Oraki,A., Haubrich,J., Freesmeyer,W.B., Kopsahilis,N.
Okklusionsveränderungen und deren Auswirkungen auf den Halte- und Stützapparat. Untersuchung durch manualmedizinische Testverfahren
Manuelle Med 47 (2009)107 - 11
- +Schütz,U. Akupunktur und medizinisch-radiologische Bildgebung – Teil 2; wert des funktionellen Neuroimaging (fMRT) in der Akupunkturforschung
Dt Z Akupunktur 65 (2022)125 – 31 doi.org/10.1007/s42212-022-00473-1
- +Schütze,R. Rees,C., Preece,M., Schütze,M.
Low mindfulness predicts pain catastrophizing in a fear-avoidance model of chronic pain
Pain 148 (2010)120 - 7
- +Schwab,F.J. Smith,V.A., Biserni,M., Gamez,L., Farcy,J.P.C., Pagala,M.
Adult scoliosis: A quantitative radiographic and clinical analysis
Spine 27 (2002)387 – 92
- +Schwab,F. Dubey,A., Gamez,L., El Fegoun,A.B., Hwang,K., Pagala,M., Farcy,J.P.
Adult scoliosis: Prevalence, SF-36 and nutritional parameters in an elderly volunteer population
Spine 30 (2005)1082 – 5
- +Schwab,F. Farcy,J.P., Bridwell,K., Berven,S., Glassman,S., Harrast,J., Horton,W.
A clinical impact classification of scoliosis in the adult
Spine 31 (2006)2109 – 14
- +Schwab,F. Lafage,V., Patel,A., Farcy,J.P.

	Sagittal plane considerations and the pelvis in the adult patient
	Spine 34 (2009)1828 - 33
Schwab,J.M.	Failli,V., Chedotal,A.
	Injury-related dynamic myelin/oligodendrocyte axon-outgrowth inhibition in the central nervous system
	Lancet 365 (2005)2055 – 7
-Schwab,W.A. –n-	Principles of manipulative treatment: IV. Low back problem
	JAOA 31 (1932)292 – 7 (zit. Beal, 1950)
+Schwabe , U.	Paffrath,D. (Hrsg.)
	Arzneimittelreport 2011. Springer, Berlin (2011)
+Schwartz,C.E.	Finkelstein,J.A.
	Understanding inconsistencies in patient-reported outcomes after spine treatment: response shift phenomena
	Spine J 9 (2009)1039 - 45
+Schwartz,E.S.	Lee,I., Chung,K., Chung,J.M.
	Oxidative stress in the spinal cord is an important contributor in capsaicin-induced mechanical secondary hyperalgesia in mice
	Pain 138 (2008)514 - 24
+Schwartz,E.R.	Adamy,L.
	Effect of ascorbic acid on arylsulfatase activity and sulfated proteoglycan metabolism in chondrocyte cultures
	J Clin Invest 60 (1977)96 – 106
Schwartz,F.W. et al.	Gesundheitsausgaben für chronische Krankheit in Deutschland
	Lengerich: Pabst Science Publishers 1999 (zit. Hildebrandt, 2002)
Schwartz,H.R.	The use of Counterstrain in an acute ill in-hospital population
	JAOA 86 (1986)433 – 42 (zit. Ramirez et al., 1989)
Schwartz,L.	Kindermann,W.

- Changes in beta-endorphin levels in response to aerobic and anaerobic exercise
Sports Med 13 (1992)25 – 36 (zit. Cole & Hoeger Bement, 2010)
- +Schwartz,M. Fischer,L.M., Bläute,C., Stork,J., Colloca,L., Zöllner,C., Klinger,R.
Observing treatment outcomes in other patients can elicit augmented placebo effects on pain treatment: a double-blinded randomized clinical trial with chronic low back pain
Pain 163 (2022)1313 – 23
doi.org/10.1097/j.pain.0000000000002513
- +Schwartz,S. Etropolski,M., Shapiro,D.Y., Okamoto,A., Lange,R., Haeussler,J., Rauschkolb,C.
Safety and efficacy of tapentadol ER in patients with painful diabetic peripheral neuropathy: results of a randomized-withdrawal, placebo-controlled trial
Curr Med Res Opin 27 (2011)151 - 62
- +SchwarzbachK. Psychoneuroimmunologie
Naturheilkunde J 14 (2012)7: 9 - 17
- +Schwarzer,A. Aichinger-Hinterhofer,M., Maier,C., Vollert,J., Walther,J.W.
Sleep-disordered breathing decreases after opioid withdrawal: results of a prospective controlled trial
Pain 156 (2015)2167 - 74
- +Schwarzer,A.C. Aprill,C.N., Derby,R., Fortin,J., Kine,G., Bogduk,N.
The false-positive rate of uncontrolled diagnostic blocks of the lumbar zygapophysial joints
Pain 58 (1994)195 – 200
- +Schwarzer,A.C. Aprill,C.N., Bogduk,M.
The sacroiliac joint in chronic low back pain
Spine 20 (1995)31 – 7
- +Schwarzer,A.C. Aprill,C.N., Derby,R. Fortin,J., Kine,G., Bogduk,N.
The prevalence and clinical features of internal disc disruption in patients with chronic low back pain

- Spine 20 (1995)1878 – 83
- +Schwarzer,A.C. Aprill,C.N., Derby,R., Fortin,J., Kine,G., Bogduk,N.
- Clinical features of patients with pain stemming from the lumbar zygoapophysial joints: Is the lumbar facet syndrome a clinical entity?
- Spine 19 (1994)1132 - 7
- +Schwarzer,A.C. Bokduk,N.
- The prevalence and clinical features of internal disk disruption in patients with low back pain (letters to the editor)
- Spine 21 (1996)776
- +Schwarzer,A.C. Derby,R., Aprill,C.N., Fortin,J., Kine,G., Bogduk,N.
- Pain from the lumbar zygoapophyseal joints: a test of two models
- J Spinal Disord 7 (1994)331 - 6
- +Schwarzer,A.C. Wang,S.C., Bogduk,N., McNaught,P., Laurent,R.
- Prevalence and clinical features of lumbar zygapophysial joint pain: a study in an Australian population with chronic low back pain
- Ann Rheum Dis 54 (1995)100 – 6
- +Schweikert,B. Jacobi,E., Seitz,R., Cziske,R., Ehlert,A., Knab,J., Leidl,R.
- Effectiveness and cost-effectiveness of adding of cognitive behavioral treatment to the rehabilitation of chronic low back pain
- J Rheumatol 33 (2006)2519 – 26
- +Schweikert,B. Wenig,C., Schmidt,C.O., Kohlmann,T.
- Analyse der Krankheitskosten in Deutschland
- Schmerz 21 (2007)Suppl., 46 - 7
- +Schweinhardt,P. The many faces of counter-irritation. Commentary
- Pain 152 (2011)1445 - 6
- Schweinhardt,P. Bushnell,M.C.
- Pain imaging in health and disease – how far have we come?

- J Clin Invest 120 (2020)3788-97 doi.org/10.1172/JCI43498
- +Schweinhardt,P. Kuchinad,A., Pukall,C.F., Bushnell,M.C.
- Increased gray matter density in young women with chronic vulvar pain
- Pain 140 (2008)411 – 9
- Schwenkenbecher,W. Untersuchungen über die Anatomie des Beckens. Ein Beitrag zur Kenntnis von Formarchitekturen
- Gegenbaurs Morph Jahrb 75 (1935)412 – 36 (zit. Steinke et al., 2010)
- +Schwenkreis,P. Janssen,F., Rommel,O., Pleger,B., Völker,B., Hosbach,I., Dortwinkel,R., Maier,C., Tegenthoff,M.
- Bilateral motor cortex disinhibition in complex regional pain syndrome (CRPS) type I of the hand
- Neurology 61 (2003)515 – 9
- +Schwerla-Goeggel,B.S. Kommentar der Akademie für Osteopathie (AFO)
- Osteopath Med 11 (2010)1: 25
- (-)Schwertner,D.S. Oliveira,R.A.N.S., Koerich,M., Motta,A.F., Pimenta,A.L., Gioda,F.R.
- Prevalence of low back pain in young Brazilians and associated factors: Sex, physical activity, sedentary behavior, sleep and body mass index
- J Back Musculoskel Rehab 33 (2020)233 – 44
doi.org/10.3233/BMR-170821
- +Scioli-Salter,E.R. Forman,D.E., Otis,J.D., Gregor,K., Valovski,I., Rasmussen,A.M.
- The shared neuroanatomy and neurobiology of comorbid chronic pain and PTSD
- Clin J Pain 31 (2015)363 - 74
- +Sclafani,J.A. Constantin,A., Ho,P.S., Akuthota,V., Chan,L.
- Descriptive analysis of spinal neuroaxial injections, surgical interventions, and physical therapy utilization for degenerative lumbar spondylolisthesis within Medicare beneficiaries from 2000 to 2011
- Spine 42 (2017)240 - 6

- +Scott,D.J. Stohler,C.S., Egnatuk,C.M., Wang,H., Koeppe,R.A., Zubieta,J.K.
Placebo and nocebo effects are defined by opposite opioid and dopaminergic responses
Arch Gen Psychiatry 65 (2008)220 – 31
- +Scott,J.E. Bosworth,T.R., Cribb,A.M., Taylor,J.R.
The chemical morphology of age-related changes in human intervertebral disc glycosaminoglycans from cervical, thoracic and lumbar nucleus pulposus and annulus fibrosus
J Anat 184 (1994)73 – 82
- +Scott,M.A. Letrent,K.J., Hager,K.L.,Burch,J.L.
Use of transdermal amitriptyline gel in a patient with chronic pain and depression
Pharmacotherapy 19 (1999)236 – 9
- +Scott,P.A. Kingsley,G.H., Smith,C.M., Choy,E.H., Scott,D.L.
Non-steroidal anti-inflammatory drugs and myocardial infarctions : comparative systematic review of evidence from observational studies and randomized controlled trials
Ann Rheum Dis 66 (2007)1296 – 1304
- Scott,R.A. Kuchera,M.L., Patterson,J.E.
Orthopedics.
In: Ward,R.C. (ed.) Foundations for osteopathic medicine, 2nd ed., Lippincott Williams Wilkins, Philadelphia, 2003, p. 477 – 99
- +Scott,W. Trost,Z., Bernier,E., Sullivan,M.J.L.
Anger differentially mediates the relationship between perceived injustice and chronic pain outcomes
Pain 154 (2013)1691 - 8
- +Scuderi,G.J. Brusovanik,G.V., Golish,S.R., DeMeo,R., Hyde,J., Hallab,N., Vaccaro,A.R.
A critical evaluation of discography in patients with lumbar intervertebral disc disease
Spine J 8 (2008)624 – 9

- +Scuderi,G.J. Cuellar,J.M., Cuellar,V.G., Yeomans,D.C., Carragee,E.J., Angst,M.S.
Epidural interferon gamma-immunoreactivity. A biomarker for lumbar nerve-root irritation
Spine 34 (2009)2311 - 7
- +Scuderi,G.J. Sherman,A.L., Brusovanik,G.V., Pahl,M.A., Vaccaro,A.R.
Symptomatic cervical disc herniation following a motor vehicle collision: return to work. Comparative study of workers compensation versus personal injury insurance status
Spine J 5 (2005)639 – 44
- +Sculco,A.D. Paup,D.C., Fernhall,B., Sculco,M.J.
Effects of aerobic exercise on low back pain patients in treatment
Spine J 1 (2001)95 – 101
- +Sdrulla,A.D. Xu,Q., He,S.Q., Tiwan,V., Yang,F., Zhang,C., Shu,B., Shechter,R., Raja,S.N., Wang,Y., Dong,X., Guan,Y.
Electrival stimulation of low-threshold afferent fibers induces a prolonged synaptic depression in lamina II dorsal horn neurons to high-threshold afferent inputs in mice
Pain 156 (2015)1008 - 17
- +Seal,R.P. Wang,X., Guan,Y., Raja,S.N., Woodbury,C.J., Basbaum,A.J., Edwards,R.H.
Injury-induced mechanical hypersensitivity requires C-low threshold mechanoreceptors
Nature 462 (2009)651 – 5
- +Seagrove,L.C. Suzuki,R., Dickenson,A.H.
Electrophysiological characterization of rat lamina I dorsal horn neurones and the involvement of excitatory amino acid receptors
Pain 108 (2004)76 - 87
- +Seaman,D.R. Commentary: can spinal adjustments and manipulation mask ongoing pathologic conditions?
J Manipulative Physiol Ther 22 (1999)171 – 9

- +Seaman,D.R. Bulbulian,R.
A review in back pain in golfers: etiology and prevention
Sport Med Train Rehab 9 (2000)169 – 87
- Sears,N.C. Machado,A.G., Nagel,S.J., et al
Long term outcomes of spinal cord stimulation with paddle leads in the treatment of complex regional pain syndrome and failed back surgery syndrome
Neuromodulation 14 (2011)312 – 8 (zit. Haldeman,2011)
- +Seay,J.F. van Emmerik,R.E.A., Hamill,J
Influence of low back pain status on pelvic-trunk coordination during walking and running
Spine 36 (2011)E1070 - 76
- +Seddigh,S. Krämer,H.
Ein Paradoxon: Schmerzhemmung durch C-Fasern
Schmerz 26 (2012)Suppl1: 15 - 6
- Sedrak,P. Shabaz,M., Gohal,C., Madden,K., Aleem,I., Khan,M
Return to play after symptomatic disc herniation in elite athletes: a systematic review and meta-analysis of operative versus non-operative treatment
Sports Health (2021) publ. 10.2.2021
doi.org/10.1177/1941738121991782
- +Seeger,D. Physiotherapie bei Rückenschmerzen – Indikationen und Grenzen
Schmerz 15 (2001)461 - 7
- +Seehausen,M. Hänel,P.
Adhärenz im Praxisalltag effektiv fördern
Dt Ärztebl 108 (2011)A2276 – 80
- +Seeman,T.E. Singer,B.H., Ryff,C.D., Dienberg,L.D., Levy-Storck,L.
Social relationships, gender, and allostatic load across two age cohorts
Psychosom Med 64 (2002)395 – 426 .

- +Segal,N.A. Felson,D.T., Torner,J.C., Zhu,Y., Curtis,J.R., Niu,J., Nevitt,M.C.
Greater trochanteric pain syndrome: epidemiology and associated factors
Arch Phys Med Rehabil 88 (2007)988 – 92
- +Seekatz,B. Meng,K., Faller,H,
Depressivität als Mediator im Angst-Vermeidungs-Modell.
Eine pfadanalytische Untersuchung an Patienten mit chronischen Rückenschmerzen
Schmerz 26 (2013)612 - 8
- +Seery,M.D. Leo,R.J., Holman,E.A., Silver,R.C.
Lifetime exposure to adversity predicts functional impairmentand healthcare utilisation among individuals with chronic back pain
Pain 150 (2010)507 - 15
- +Seferlis,T. Lindholm;l., Nemeth,G.
Cost-minimisation analysis of three conservative treatment programmes in 180 patients sick-listed for acute low back pain
Scand J Prim Health Care 18 (2000)53 - 7
- Seferlis,T. Nemeth,G., Carlsson,A.M., Gillstrom,P.
Conservative treatment in patients sick-listed for acute low back pain: a prospective randomized study with 12 months' follow-up
Eur Spine J 7 (1998)461 – 70
- +Seffinger,M. King,H.H., Ward,R.C., Jones,J.M., Rogers,F.J., Patterson,M.M.
Osteopathic philosophy
In: Ward,R.C., ed.: Foundations for Osteopathic Medicine. 2nd ed. Philadelphia,Pa: Lippincott Williams & Wilkins, 2003, 3 - 18
- +Seffinger,M. Najm,W., Mishra,S., Adams,A., Dickerson,V.M., Murphy,L.S. et al.
Reliability of spinal palpation for diagnosis of back and neck pain: a systematic review of the literature

- Spine 29 (2004)413 – 25
- +Segond von Banchet,G. Somatostatin – ein wichtiger Hemmer neuronaler Erregung
- Schmerz 22 (2008)409 - 14
- +Seguin,C.A. Pilliar,R.M.; Roughley,P.J., Kandel,R.A.
- Tumor necrosis factor-alpha modulates matrix production and catabolism in nucleus pulposus tissue
- Spine 30 (2005)1940 – 8
- Seguin,C.A. Pilliar,R.M., Madri,J.A., Kandel,R.A.
- TNF-alpha induces MMP2 gelatinase activity and MT1-MMP expression n an in vitro model of nucleus pulposus tissue degeneration
- Spine 33 (2008)356 – 65
- +Seidel,E. Beyer,L.
- Funktionskrankheiten – Einführung zu einem Denk- und Handlungskonzept
- Manuelle Med 57 (2019)439 - 40
- +Seifert,F. Decision making in the chronic pain patient (and rodent): Contribution of the orbitofronral cortex (commentary)
- Pain 153 (2012)1553 - 4
- +Seifert,H. Chesnut,J., De,S.E., Rivier,L., Vale,W.
- Binding sites for calcitonin gene related peptide in distinct areas of rat brain
- Brain Res 346 (1985)195 – 8
- +Seifert,I. Schlüsselregionen beim Säugling
- Manuelle Med 48 (2010)83 - 90
- Sekhorn,M. Cartwright,M., Francis,J.J.
- Acceptability of healthcare interventions: An overview of reviews and development of a theoretical framework
- BMC Health Serv Res 17 (2017)1 – 13
doi.org/10.1186/s12913-016-1943-z
- +Seki,S. Kawaguchi,Y., Chiba,K., Mikami,Y., Kizawa,H., Oya,T., Mio,F., Mori,M. und weitere 9 Autoren

- A functional SNP in CILP, encoding cartilage intermediate layer protein, is associated with susceptibility to lumbar disc disease
- Nat Genet 37 (2005)607 – 12
- +Sekiguchi,F. Kawara,Y., Tsubota,M., Kawakami,E., Ozaki,T., Kawaishi,Y., Tomita,S., Kanaoka,D., Yoshida,S., Ohkubo,T., Kawabata,A.
- Therapeutic potential of RQ-00311651, a novel T-type Ca⁺⁺-channel blocker, in distinct rodent models for neuropathic and visceral pain
- Pain 157 (2016)1655 - 65
- +Sekiguchi,M. Kikuchi,S., Myers,R.R.
- Experimental spinal stenosis: relationship between degree of spinal equina compression, neuropathology and pain
- Spine 29 (2004)1105 – 11
- +Sekiguchi,M. Kobayashi,H., Sekiguchi,Y., Konno,S.I., Kikuchi,S.
- Sympathectomy reduces mechanical allodynia, tumor necrosis factor alpha expression, and dorsal root ganglion apoptosis following nerve root crush injury
- Spine 33 (2008)1163 – 9
- +Sekiguchi,M. Otochi,K., Kikuchi,S, Konno,S.I.
- Analgesic effects of prostaglandin E2 receptor subtype EP1 receptor antagonist. Experimental study of application of nucleus pulposus
- Spine 36 (2011)1829 - 34
- +Sekiguchi,M. Wakita,T., Otani,K., Onishi,Y., Fukuhara,S., Kikuchi,S., Konno,S.
- Development and validation of a symptom scale for lumbar spinal stenosis
- Spine 37 (2012)232 - 9
- Self,D. Nestler,E.
- Relapse to drug-seeking: neural and molecular mechanisms
- Drug Alcohol Depend 51 (1998)49 – 60 (zit Ballantyne & Sullivan, 2017)

- (+)Selhorst,M. Fischer,A., Graft,K., Ravindran,R., Peters,E., Rodenberg,R., MacDonald,D.
- Long-term clinical outcomes and factors that predict poor prognosis in athletes after a diagnosis of acute spondylolysis: a retrospective review with telephone follow-up
- J Orthop Sports Phys Ther 46 (2016)1029 – 36
(Internetzugriff 31.10.2017)
- +Selkowitz,D. Kulig,K., Poppert,E., Flanagan,S.P., Matthews,N.D., Beneck,G.J., Popowich,J.M., Lona,J.R., Yamada,K.A., Burke,W.S., Ervin,C., Powers,C.m.,
- The immediate and long-term effects of exercise and patient education on physical, functional, and quality of live outcome measures after single-level lumbar microdiscectomy: a randomized controlled trial protocol
- BMC Musculoskeletal Disord 7 (2006)70
- +Sella,E.J. Noncompressive spinal radiculitis
- Orthop Rev 21 (1992)827 – 32
- +Selye,H. A syndrome produced by diverse noxious agents
- Nature 138 (1936)32 – 6
- +Semba,J. Wakuta,M.S.
- Regional differences in the effects of glutamate uptake inhibitor L-trans-pyrrolidine-2,4-dicarboxylic acid on extracellular amino acids and dopamine in rat brain: an in vivo microdialysis study
- Gen Pharmacol 31 (1998)399 – 404
- Seminowicz,D.A. Wideman,T.H., Naso,L., Hatami-Koroushahi,Z., Fallatah,S., Ware,M.A., Jarzem,P., Bushnell,M.C. und weitere 3 Autoren
- Effective treatment of chronic low back pain in humans reverses brain anatomy and function
- J Neurosci 31 (2011)7540 – 50 (zit. Graven-Nielsen, 2022)
- +Semon,R.L. Spengler,D.
- Significance of lumbar spondylolysis in college football players
- Spine 6 (1981)172 – 4

+Semos,M.L.

Headley,P.M.

The role of nitric oxide in spinal nociceptive reflexes in rats with neurogenic and non-neurogenic peripheral inflammation

Neuropharmacology 33 (1994)1487 – 97

+Sengupta,D.K.

Herkowitz,H.N.

Lumbar spinal scoliosis. Treatment strategies and indications for surgery

Orthop Clin North Am 34 (2003)281 – 95

Senker,W.

Aspalter,S., Radl,C., Pichler,J., Doppler,S.,
Weis,S.,Webersinke,C., ..., Gruber,A.

Frequency and characteristics of bacterial and viral lowgrade infections of the intervertebral discs: a prospective, observational study

J Orthop Traumatol 23 (2022)15

+Senna,E.R.

de Barros,A.L., Silva,E.O., Costa,I.F., Pereira,L.V.B.,
Ciconelli,R.M., Ferraz,M.B.

Prevalence of rheumatic diseases in Brazil: a study using the COPCORD approach

J Rheumatol 31 (2004)594 – 7

+Sennehed,C.P.

Holmberg,S., Axen,I., Stigmar,K., Forsbrand,M., Petersson,I.F.,
Grahn,B.

Early workplace dialogue in physiotherapy practice improved work ability at 1-year follow-up – WorkUp, a randomized controlled trial in primary care

Pain 159 (2018)1456 - 64

+Senstad,O.

Leboef,Yde,C., Borchgrevink,C.

Frequency and characteristics of side effects of spinal manipulative therapy

Spine 22 (1996)435 – 40

+Seol,D.

Coleman,M.C., Martin,J.A., Song,I., Jaidev,L.R., Salem,A.K.,
Lim,T.H.

- Targeting oxidative stress with amobarbital to prevent intervertebral disc degeneration: Part I. in vitro and ex vivo studies
- Spine J 21 (2021)1021 – 30
doi.org/10.1016/j.spinee.2021.02.008
- +Sepunar,D. Vukujevic,K., Kostic,S., Puljak,L.
- Attenuation of pain related behaviour evoked by injury through blockade of neuropeptide Y Y2 receptor
- Pain 152 (2011)1173 - 81
- +Serafino,F. Trucco,M., Occhionero,A., Cerone,G.L., Chiarotto,A., Vieira,T., Gallina,A.
- Understanding regional activation of thoraco-lumbar muscles in chronic low back pain and its relationship to clinically relevant domains
- BMC Musculoskel Disord 22 (2021)432
doi.org/10.1186/s12891-021-04287-5
- +Serbic,D. Pincus,T.
- Diagnostic uncertainty and recall bias in chronic low back pain
- Pain 155 (2014)1540 - 6
- +Serbic,D. Pincus,T.
- Pain related guilt in low back pain
- Clin J Pain 30 (2014a)1062 - 9
- Serferlis,T. Lindholm,L. Nemeth,G.
- Cost-minimization analysis of three conservative treatment programmes in 180 patients sick-listed for acute low-back pain
- Scand J Prim Health Care 18 (2000)53 – 7 (zit. van Tulder et al., 2006b)
- +Serlin,R. Mendoza,T.R., Nakamura,Y., Edwards,K.R., Cleeland,C.S.
- When is cancer pain mild, moderate and severe? Grading pain severity by its interference with function
- Pain 61 (1995)277 – 84

- Serpell,M.G. Gabapentin in neuropathic pain syndromes: a randomized, double-blind, placebo-controlled trial
Pain 99 (2002)557 – 66
- +Seroussi,R.E. Krag,M.H., Muller,D.H., Pope,M.H.
Internal deformation of intact and denucleated human lumbar discs subjected to compression, flexion, and external loads
J Orthop Res 7 (1989)122 - 31
- +Serra,J. Microneurography : Towards a biomarker of spontaneous pain (Commentary)
Pain 153 (2012)1989 - 90
- +Serra,J. Sola,R. , Aleu,J., Quiles,C., Navarro,X., Bostock,H.
Double and triple spikes in C-nociceptors in neuropathic pain states : An additional peripheral mechanism of hyperalgesia
Pain 152 (2011)343 - 53
- +Serra,J. Sola,R., Quiles,C., Casanova-Molla,J., Pascual,V., Bostock,H., Valls-Sole,J.
C-nociceptors sensitized to cold in a patient with small -fiber neuropathy and cold allodynia
Pain 147 (2009) 46 – 53
- +Serrano-Aguilar,P. Kovacs,F.M., Cabrera-Hernandez,J.M., Ramos-Goni,J.M., Garcia-Perez,L.
Avoidable costs of physical treatments for chronic back, neck and shoulder pain within the Spanish National Health Service : a cross sectional study
BMC Musukoskel Disord 12 (2011)287
- +Serre,C.M. Farlay,D., Selmas,P.D., Chenu,C.
Evidence for a dense and intimate innervation of bone tissue, including glutamate-containing fibers
Bone 25 (1999)623 – 9
- +Setchell,J. Costa,N., Ferreira,M., Makovey,J., Nielsen,M., Hodges,P.W.
Individuals' explanations for their persistent or recurrent low back pain: a cross-sectional survey

	BMC Musculoskelet Disord 18 (2017)466
Setton,I.A.	Chen,J.
	Cell mechanics and mechanobiology in the intervertebral disc
	Spine 29 (2004)2710 – 23 (zit. Guehring et al., 2006)
+Severeijns,R.	Vlaeyen,J.W.S., van den Hout,M.A., Weber,W.E.J.
	Pain catastrophising predicts pain intensity, disability, and psychological distress independent of the level of physical impairment
	Clin J Pain 17 (2001)165 – 72
-Severeijns,R. et al.	Pain catastrophising is associated with health indices in musculoskeletal pain: a cross-sectional study in the Dutch community
	Health Psychol 23 (2004)49 – 57 (zit. Leeuw et al., 2007)
+Sevostianova,N.	Danysz,W.
	Analgesic effects of mGlu1 and mGlu5 receptor antagonists in the rat formalin test
	Neuropharmacology 51 (2006)623 – 30
Seyedhoseinpoor,T.	Taghipour,M., Dadgoo,M., Sanjari,M.A., Takamjani,I.E., Kazemnejad,A., Khoshamooz,Y., Hides,J.
	Alteration of lumbar muscle morphology and composition in relation to low back pain: a systemic review and meta-analysis
	Spine J 22 (2022)660 – 76 doi.org/10.1016/j.spinee.2021.10.018
+Seymour,B.	McClure,S.M.
	Anchors, scales and the relative code of value in the brain
	Curr Opin Neurobiol 18 (2008)173 – 8
-Shafaq,N.	Suzuki,A., Matsumura,A., Terai,H., Toyoda,H., Yasuda,H. et al.
	Asymmetric degeneration of paravertabral muscles in patients with degenerative lumbar scoliosis
	Spine 37 (2012)138 – 1406 (so zit. Vives, 2016)
+Shaffer,B.	Wiesel,S., Lauermann,W.

- Spondylolisthesis in the elite football player: an epidemiologic study in the NCAA and NFL
J Spinal Disord 10 (1997)365 – 70
- +Shah,J.P. Phillips,T.M., Danoff,J.V., Gerber,L.H.
An in-vivo microanalytical technique for measuring the local biochemical milieu of human skeletal muscle
J Appl Physiol 99 (2005) 1977 – 84
- +Shah,R.V. Spine pain classification: the problem (editorial)
Spine 37 (2012a)1853 - 5
- +Shah,R.V. The problem with diagnostic selective nerve root blocks
Spine 37 (2012)1991 - 3
- Shahbazian,M.D. Grunstein,M.
Functions of side-specific histone acetylation and deacetylation
Annu Rev Biochem 76 (2007)75 – 100 (zit. Denk et al., 2013)
- +Shaladi,A. Saltari,M.R., Piva,B., Crestati,F., Tartari,S., Pinato,P., Micheletto,G., Dall'Ara,R.
Continuous intrathecal morphine infusion in patients with vertebral fractures due to osteoporosis
Clin J Pain 23 (2007)511 - 7
- +Shamash,S. Reichert,F., Rotshenker,S.
The cytokine network of Wallerian degeneration: tumor necrosis factor alpha, interleukin-1 alpha and interleukin-1 beta
J Neurosci 22 (2002)3052 – 60
- +Shambrook,J. McNee,P., Harris,E.C., Kim,M., Sampson,M., Palmer,K.T., Coggon,D.
Clinical presentation of low back pain and association with risk factors according to findings on magnetic resonance imaging
Pain 152 (2011)1659 - 65
- Shamji,M.F. Setton,L.A., Jarvis,W. et al.

- Proinflammatory cytokine expression profile in degenerated and herniated human intervertebral disc tissues
- Arthritis Rheum 62 (2010)1974 – 82 (zit. Nakazawa et al., 2018)
- +Shan,Y. Lambrecht,R.W., Donohue,S.E., Bonkovsky,H.L.
- Role of bach1 and Nrf2 in up-regulation of the heme oxygenase-1 gene by cobalt protoporphyrin
- FASEB J 20 (2006)2651 – 3
- Shan,Z. Deng,G., Li,J., Li, Y., Zhang,Y., Zhao,Q.
- Correlational analysis of neck/shoulder pain and low back pain with the use of digital products, physical activity and psychosocial status among adolescents in Shanghai
- Plos One 8 (2013)e78109
doi.org/10.1371/journal.pone.0078109
- +Shan,Z. Fan,S., Xie,Q., Suyou,L., Liu,J., Wang,C., Zhan,F.
- Spontaneous resorption of lumbar disc herniation is less likely when Modic changes are present
- Spine 39 (2014)736 – 44
- +Shan,Z. Zhang,X., Li,S., Yu,T., Liu,J., Zhao,F.
- Propionibacterium acnes incubation in the discs can result in time-dependent modic changes. A long-term rabbit model
- Spine 42 (2017)1595 - 1603
- +Shankarappa,S.A. Pedras-Renteira,E.S., Stubbs,E.B. Jr.
- Forced-exercise delays neuropathic pain in experimental diabets: effects on voltage-activated calcium channels
- J Neurochem 118 (2011)224 – 36
- +Shahidi,B. Parra,C.L., Berry,D.B., Hubbard,J.C., Gombatto,S., Zlomislic,V., Allen,T., Hughes-Austin,J., Garfin,S., Ward,S.R.
- Contribution of lumbar spine pathology and age to paraspinal muscle size and fatty infiltration
- Spine 42 (2017)616 - 23
- +Shamsi,M.B. Mirzaei,M., Shahsavari,S., Safari,A., Saeb,M.

- Modeling the effect of static stretching and strengthening exercise in lengthened position on balance in low back pain subject with shortened hamstring: a randomized controlled clinical trial
- BMC Musculoskel Disord 21 (2020)809
doi.org/10.1186/s12891-020-03823-z
- +Shapira,N.A. Goldsmith,T.D., McElroy,S.E.
- Treatment of binge-eating disorder with topiramate: a clinical case series
- J Clin Psychiatry 61 (2000)368 – 72
- +Shapiro,I.M. Vresilovic,E.J., Risbud,M.V.
- Is the spinal motion segment a diarthrodial polyaxial joint: what a nice nucleus like you doing in a joint like this?
- Bone 50 (2012)771 – 6
- +Sharan,A. Riley,J., Hoelscher,C.
- An overview of chronic spinal pain. Revisiting diagnostic categories and exploring an evolving role for neurostimulation
- Spine 42 (2017)14S: S35 - 40
- +Sharma,A. Parsons,M., Pilgram,T.
- Temporal interactions of degenerative changes in individual components of the lumbar intervertebral discs. A sequential magnetic resonance imaging study in patients less than 40 years of age
- Spine 36 (2011)1794 - 1800
- +Sharma,R. Haas,M., Stano,M.
- Patient attitudes, insurance, and other determinants of self - referral to medical and chiropractic physicians
- Am J Public Health 93 (2003)2111 – 7
- +Sharpe,L. Commentary: Attentional biases and their role in the management of pain
- Pain 153 (2012)2307 - 8
- +Sharpe,L. Haggman,S., Nicholas,M., Dear,B.F., Refshauge,K.

- Avoidance of affective pain stimuli predicts chronicity in patients with acute low back pain
Pain 155 (2014)45 - 52
- +Shaughnessy,M. Caulfield,B.
A pilot study to investigate the effect of lumbar stabilisation exercise training on functional ability and quality of life in patients with chronic low back pain
Int J Rehabil Res 27 (2004)297 – 301
- +Shavit,Y. Wolf,G., Goshen,I., Livshits,D., Yirmiya,R.
Interleukin-1 antagonizes morphine analgesia and underlies morphine tolerance
Pain 115 (2005)50 – 9
- +Shaw,J.D. Shaw,D.L., Cooperman,D.R., Eubanks,J.D., Li,L., Kim,D.H.
Characterisation of lumbar spinous process morphology: a cadaveric study of 2,955 human vertebrae
Spine J 15 (2015)1645 - 52
- +Shaw,J.W. Johnson,J.A., Coons,S.J.
US valuation of the EQ-5D health states: Development and testing of the D! valuation model
Med Care 43 (2005)203 - 20
- +Shaw,W. Hong,Q.N., Pransky,G., Loisel,P.
A literature review describing the role of return-to-work coordinators in trial programs and interventions designed to prevent workplace disability
J Occup Rehabil 18 (2008)2 – 15
- +Shaw,W.S. Pransky,G., Patterson,W., Winters,T.
Early disability risk factors for low back pain assessed at outpatient occupational health clinics
Spine 30 (2005)572 – 80
- Shaw,W.S. Shared and independent associations of psychosocial factors on work status among men with subacute low back pain
Clin J Pain 23 (2007)409 – 16

Shaygan,M.	Karami,Z. Chronic pain in adolescents: the predictive role of emotional intelligence, self-esteem and parenting style Int J Commun Based Nurse Midwifery 8 (2020)253 – 63 doi.org/10.30476/IJCBNM.2020.83153.1179
+Shealy,C.N.	Facets in back and sciatic pain Minn Med 57 (1974)199 – 203
+Shealy,C.N.	The role of spinal facets in back and sciatic pain Headache 14 (1974)101 – 4
+Shealy,C.N.	Percutaneous radiofrequency denervation of spinal facets J Neurosurg 43 (1975)448 – 51
+Shealy,C.N.	Facet denervation in the management of back sciatic pain Clin Orthop 115 (1976)157 – 64
-Sheehan,D.V.	Establishing the real cost of depression Manag Care 11 (2002)7 – 10, discussion 21 – 25 (zit. Ahrens et al., 2010)
+Sheeran,L.	van Deursen,R., Caterson,B., Sparkes,V. Classification guided versus generalized postural intervention in subgroups of nonspecific chronic low back pain. A pragmatic randomized controlled study Spine 38 (2013)1613 - 25
+Sheets,C.	Machado,L.A., Hancock,M., Maher,C. Can we predict response to the McKenzie method in patients with acute low back pain? A secondary analysis of a randomized controlled trial Eur Spine J 21 (2012)1250 -6
+Shekelle,P.G.	Spine update: Spinal manipulation Spine 19 (1994)858 – 61
+Shekelle,P.G.	Adams,A.H., Chassin,M.R., Hurwitz,E.L., Brook,R.H. Spinal manipulation for low back pain Ann Int Med 117 (1992)590 - 8

- +Shekelle,P.G. Markovich,M., Loui,R.
Factors associated with choosing a chiropractor for episodes of back pain care
Med Care 33 (1995)842 – 50
- +Shekelle,P.G. Ortiz,E., Rhodes,S., Morton,S.C., Eccles,M.P., Grimshaw,J.M.,Woolf,S.H.
Validity of the Agency for Healthcare Research and Quality clinical practice guidelines: how quickly do guidelines become outdated?
JAMA 286 (2001)1461 - 7
- +Sheldon,E.A. Bird,S.R., Smugar,S.S., Tershakovec,A.M.
Correlation of measures of pain, function, and overall response – results pooled from two identical studies of Etoricoxib in chronic low back pain
Spine 33 (2008)533 - 8
- +Shelerud,R. Epidemiology of occupational low back pain
Occup Med 13 (1998)1 – 22
- +Shemesh,S. Laks,A., Cohen,I., Turjeman,A., Blecher,R., Kadar,A.
Diabetes mellitus and poor glycemic control are associated with a higher risk of lumbar spinal stenosis. An analysis of a large nationwide database
Spine 49 (2024)595-600
doi.org/10.1097/BRS.0000000000004900
- +Shen,B. Melrose,J., Ghosh,P., Taylor,T.K.F.
Induction of matrix-metalloproteinase-2 and -3 in ovine nucleus pulposus cells grown in three-dimensional agarose gel culture by interleukin 1 beta: a potential pathway of disc degeneration
Eur Spine J 12 (2003)66 – 75
- +Shen,M. Razi,A., Lurie,J.D., Hanscom,B., Weinstein,J.
Retrolisthesis and lumbar disc herniation: a preoperative assessment of patient function
Spine J 7 (2007)406 - 13

- +Sher,I. Oehme,D.A., Daly,C., Ghosh,P., Chandra,R.V., Sher,M., Fulcher,A.J., Cohen,C.A., Vais,A., Smith,J.A., Goldschlager,T.
Histological, radiological, immuno-histochemical and birefringence investigation of the mechanisms of action of mesenchymal progenitor stemm cells (MPCs) in the early repair of degenerative disc disease using the ovine annulotomy injury model
Proceedings of the 32nd annual meeting of the North American Spine Society, Orlando, Florida, October 25 – 28, 2017
Spine J 17 (2017) 10 Suppl.: S 107
- +Sherk,A.B. Frigo,D.E., Schnackengerg,C.G., Bray,J.D., Laping,N.J., Trizna,W. und weitere 6 Autoren
Development of a small-molecule serum- and glucocorticoid-regulated kinase-1 antagonist and ist evaluation as a prostate cancer therapeutic
Cancer Res 68 (2008)7475 - 83
- +Sherman,K.J. Cherkin,D.C., Deyo,R.A., Erro,J.H., Hrbek,A., Davis,R.B., Eisenberg,D.M.
The diagnosis and treatment of chronic back pain by acupuncturists, chiropractors, and massage therapists
Clin J Pain 22 (2006)227 – 234
- +Sherman,K.J. Cherkin,D.C., Erro,J., Miglioretti,D.L., Deyo,R.A.
Comparing yoga, exercise, and a self-care book for chronic low back pain: a randomized, controlled trial
Ann Intern Med 143 (2005)849 – 56
- +Sherman,K.J. Cherkin,D.C., Ichikawa,L., Avins,A.L., Delaney,K., Barlow,W.E., Khalsa,P.S., Deyo,R.A.
Treatment expectations and preferences as predictors of outcome of acupuncture for chronic back pain
Spine 35 (2010)1471 - 77
- +Sherman,K.J. Wellman,R.D., Hawkes,R.J., Phelan,E.A., Lee,T., Turner,J.A.
T'ai Chi for chronic low back pain in older adults: a feasibility trial

- J Altern Complement Med (2020) online 3.2.2020
doi.org/10.1089/acm.2019.0438
- +Sherriff,B. Clark,C., Killingback,C., Newell,D.

Impact of contextual factors on patient outcomes following conservative low back pain treatment: systematic review

Chiropr Man Ther 30 (2022)20 doi.org/10.1186/s12998-022-00430-8
- Sherrington,C.S. The integrative action of the nervous system

London, Constable, 1906 (zit. Devor, 2008)
- +Shetty,G.M. Jain,S., Shah,N., Ram,C.S., Thakur,H.

Does patient body mass index affect the outcome of multimodal rehabilitation in chronic low back pain?

Spine 46 (2021)1336 – 43
doi.org/10.1097/BRS.0000000000004000
- +Shi,J.T. Cao,W.J., Zhang,X.N., Wan,H.Y., Qu,Z.Y., Wang,R., He,W., Jing,X.H., Wang,X.Y.

Local analgesia of electroacupuncture is mediated by the recruitment of neutrophils and released beta-endorphins

Pain 164 (2023)1965 – 75
doi.org/10.1097/j.pain.0000000000002892
- +Shi,P. Chee,A., liu,W., Chou,P.H., Zhu,J., An,H.

Therapeutic effects of cell therapy with neonatal human dermal fibroblasts and cell rabbit fibroblasts on disc degeneration and inflammation

Spine J 19 (2019)171 - 81
- Shi,X. Li,X., Clark,J.D.

Formalin injection causes a coordinated spinal cord CO/NO-cGMP signaling system response

Mol Pain 1 (2005)1 – 33 (zit. Dudhgaonkar et al., 2008)
- Shi,X. Rehrer,S., Prajapati,P., Stoll,S.T., Gamber,R.G., Downey,H.F.

Effect of cranial oetopathic manipulative medicine on cerebral tissue oxygenation

- J Am Osteopath Assoc 111 (2011a)660 – 6
(www.ncbi.nlm.nih.gov/pubmed/22182951) (zit Bordoni et al., 2019)
- +Shi,X.Q. Lim,T.K.Y., Lee,S., Zhao,Y.Q., Zhang,J.
Statins alleviate experimental nerv injury-induced neuropathic pain
Pain 152 (2011)1033 - 43
- +Shibasaki,M. Sasaki,M., Miura,M., Mizukoshi,K., Ueno,H., Hashimoto,S., Tanaka,Y., Amaya,F.
Induction of high mobility group box – 1 in dorsal root ganglion contributes to pain hypersensitivity after peripheral nerve injury
Pain 149 (2010)514 - 21
- +Shields,S.D. Commentary: Conditional deletion of HCN2 from primary afferents uncovers the heterogeneity of inflammatory hypersensitivity
Pain 155 (2014)1051 - 2
- +Shields,S.D. Ahn,H.S., Yang,Y., Han,C., Seal,R.P., Wood,J.N., Waxman,S.G., Dib-Hajj,S.D.
Nav1.8 expression is not restricted to nociceptors in mouse peripheral nervous system
Pain 153 (2012)2017 - 30
- +Shih,Y.F. Chen,C.Y., Chen,W.Y., Lin,H.C.
Lower extremity kinematics in children with and without flexible flatfoot: a comparative study
BMC Musculoskelt Disord 13 (2012)31
- +Shim,B. Ringkamp,M., Lambrinos,G.L., Hartke,T.V., Griffin,J.W., Meyer,R.A.
Activity-dependent slowing of conduction velocity in uninjured L4 C fibers increases after an L5 spinal nerve injury in the rat
Pain 128 (2007)40 – 51
- +Shin,G. d’Souza,C., Liu,Y.H.

- Creep and fatigue development in the low back pain in static flexion
Spine 34 (2009)1873 – 8
- +Shin,G. Mirka,G.A.
An in vivo assessment of the low back response of the lumbar spine to prolonged full flexion
Clin Biomech (Bristol, Avon) 22 (2007)965 – 71
- +Shin,G. Shu,Y., Li,Z., Jiang,Z., Mirka,G.
Influence of knee angle and individual flexibility on the flexion-relaxation response of the low back musculature
J Electromyogr Kinesiol 14 (2004)485 – 94
- +Shin,H.K. Seo,K.J., Lee,J.Y., Jeon,S.R., Yune,T.Y.
GSK-3beta and beta-catenin signaling pathway is involved in myofibroblast transition of ligamentum flavum in lumbar spinal stenosis patients
Spine 48 (2023)1472 – 9
doi.org/10.1097/BRS.0000000000004770
- +Shin,J.S. Ha,I.H., Lee,J., Choi,Y., Kim,M.R., Park,B.Y., Shin,B.C., Lee,M.S.
Effects of motion style acupuncture treatment in acute low back pain patients with severe disability: A multicenter, randomized, controlled, comparative effectiveness trial
Pain 154 (2013)1030 - 7
- +Shin,J.Y. Park,M.J., Lee,S.H., Choi,S.H., Kim,M.H.,Choi,N.K., Lee,J., Park,B.J:
Risk of intracranial haemorrhage in antidepressant users with concurrent use of non-steroidal anti-inflammatory drugs: nationwide propensity score matched study
BMJ 351 (2015)h3517
- +Shingu,M Nagai,Y., Isayama,T., Naono,T., Nobunaga,M., Nagai,Y.
The effects of cytokines on metalloproteinase inhibitors (TIMP) and collagenase production by human chondrocytes and TIMP production by synovial cells and endothelial cells
Clin Exp Immunol 94 (1993)145 – 9

- +Shinmei,M. Masuda,K., Kikuchi,T., Shimomura,Y.
Interleukin 1, tumor necrosis factor and interleukin 6 as mediators of cartilage destruction
Semin Arthritis Rheum 18 (1989)3 Suppl1: 27 – 32
- +Shinoyama,N. Shimoyama,M., Davis,A.M., Monaghan,D.T., Inturrisi,C.E.
An antisense oligonucleotide to the N-methyl-M-aspartate (NMDA) subunit MNDAR1 attenuates NMDA-induced nociception, hyperalgesia, and morphine tolerance
J Pharmacol Exp Ther 312 (2005)834 – 40
- Shinohara,H. –n- Lumbar disc lesion, with special reference to the histological significance of nerve endings of the lumbar disc
J Jpn Orthop Assoc 44 (1970)553 – 70 (zit. Inoue et al., 2006)
- Shiowitz,S. –n- A modification of indirect myofascial release techniques
J Am Osteopath Assoc 90 (1990)145 – 55
- Shiowitz,S. Facilitated positional release
J Am Osteopath Assoc 90 (1990)145 – 55
- +Shirado,O. Doi,T., Akai,M., Hoshino,Y., Fujino,K., Hayashi,K., Marui,E., Iwaya,T.
Multicenter randomized controlled trial to evaluate the effect of home-based exercise on patients with chronic low back pain: the Japan Low Back Pain Exercise Therapy Study
Spine 35 (2010)E811 - 9
- +Shirado,O. Ito,T., Kaneda,K., Strax,T.E.
Flexion-relaxation phenomenon in the back muscles: a comparative study between healthy subjects and patients with chronic low back pain
Am J Phys Med Rehabil 74 (1995)139 – 44
- +Shirazi-Adl,S.A. Shrivastava,S.C., Ahmed,A.M.
Stress analysis of the lumbar disc-body unit in compression: a three-dimensional nonlinear finite element study
Spine 9 (1984)120 - 34
- +Shiri,R. Karppinen,J., Leino-Arjas,P., Solovieva,S., Viikari-Juntura,E.

- The association between smoking and low back pain: a meta-analysis
Am J Med 123 (2010)87; e7 – 87, e 35
- Shizgal,P. Neural basis of utility estimation
Curr Opin Neurobiol 7 (1997)198 – 208 (zit. Borsook et al., 2007)
- +Shmagel,A. Krebs,E., Ensrud,K., Foley,R.
Illicit substance use in US adults with chronic low back pain
Spine 41 (2016)1372 - 7
- +Shokri,E. Kamali,F., Sinaei,E., Ghafarinejad,F.
Spinal manipulation in the treatment of patients with MRI-confirmed lumbar disc herniation and sacroiliac joint hypomobility: a quasi experimental study
Chiropr Man Ther (2018)26:16 doi.org/10.1186/s12998-018-0185-z
- +Shordania,J.F. Die chronische Entzündung des Musculus piriformis – die piriformitis – als eine Ursache von Kreuzschmerzen bei Frauen
Med Welt 10 (1936)999 – 1001
- +Shraim,M.A. Masse-Alarie,H., Farrell,M.J., Cavaleri,R., Loggia,M.L., Hodges,P.W.
Neuroinflammatory activation in sensory and motor regions of the cortex is related to sensorimotor function in individuals with low back pain maintained by nociplastic mechanisms: a preliminary proof-of-concept study
Eur J Pain 28 (2024)1607 – 26 doi.org/10.1002/ejp.2313
- +Shrestha,N. Shen,Z., Zaidat,B., Duey,A.H., Tang,J.E., Ahmed,W., Hoang,T., ..., Cho,S.K. und weitere 4 Autoren
Performance of ChatGPT on NASS clinical guidelines for the diagnosis and treatment of low back pain
Spine 49 (2024)640 – 51
doi.org/10.1097/BRS.0000000000004915
- +Shrier,I. Macdonald,D., Uchacz.G.

- A pilot study on the effects of pre-event manipulation on jump height and running velocity
Br J Sports Med 40 (2006)947 - 9
- +Shum,G.L.K. Crosbie,J., Lee,R.Y.W.
Three dimensional kinetics of the lumbar spine and hips in low back pain patients during sit-to-stand and stand-to-sit
Spine 32 (2007)E 211 – 9
- Shum,G.L.K. Crosbie,J., Lee,R.Y.W.
Back pain is associated with changes in loading pattern throughout forward and backward bending
Spine 35 (2010)E 1472 - 8
- +Shupak,N.M. Prato,F.S., Thomas,A.W.
Human exposure to a specific pulsed magnetic field: effects on thermal sensory and pain threshold
Neurosci Lett 363 (2004)157 – 62
- Shutty,M.S. et al. Psychological dimensions of distress in chronic pain patients: A factor analysis study of symptom checklist 90 responses
J Consult Clin Psychol 54 (1986)836 – 42 (zit. Campello et al., 2006)
- +Shymon,S.J. Yaszay,B., Dwek,J.R., Proudfoot,J.A., Donohue,M., Hargens,A.R.
Altered disc compression in children with idiopathic back pain
Spine 39 (2014)243 - 8
- +Sibbritt,D. Adams,J.,
Back pain amongst 8,910 young Australian women:a longitudinal analysis of the use of conventional providers, complimentary and alternative medicine (CAM) practitioners and self-prescribed CAM
Clin Rheumatol 29 (2010)25 – 32
- +Sibille,K.T. Witek-Janusek,L., Mathews,H.L., Fillingim,R.B.
Telomeres and epigenetics: Potential relevance to chronic pain

- Pain 153 (2012)1789 - 93
- +Sieben,J.M. Vlaeyen,J.W.S., Portegijs,P.J.M., Verbunt,J.A., van Riet-Rutgers,S., Kester,A.D.M., von Korff,M., Arntz,A., Knottnerus,J.A.
- A longitudinal study of the predictive validity of the fear avoidance model in low back pain
- Pain 117 (2005a) 162 – 70
- +Sieben,J.M. Portegijs,P.J.M., Vlaeyen,J.W.S., Knottnerus,J.A.
- Pain-related fear at the start of a new low back pain episode
- Eur J Pain 9 (2005b)635 -41
- Siegel,A. The neurobiology of aggression and rage
- Boca Raton, CRC Press, 2005 (zit Borszcz, 2006)
- +Siegel,P. Wepsic,J.G.
- Alteration of nociception by stimulation of cerebellar structures in the monkey
- Physiol Behav 13 (1974)189 – 94
- Siegel,S. Explanatory mechanisms for placebo effects: pavlovian conditioning
- In: KA, Guess,H.A., Kusek,J.W., Engel,L.W. (eds): The science of the placebo: toward an interdisciplinary research agenda; BMJ Books, London, 2002, 133 – 57 (so zit. Bingel, 2010)
- +Siegler Retchless,B. Siehe Retchless,B.S.
- +Siehl,D. From the archives: management of postural imbalance in orthopedic patients (leg length inequality)
- AAO Journal 18 (2008)3: 9 - 10
- +Siemionow,K. An,H., Masuda,K., Andersson,G., Cs-Szabo,G.
- The effects of age, sex, ethnicity, and spinal level on the rate of intervertebral disc degeneration
- Spine 36 (2011)1333 - 9
- Siemionow.K. et al. Support and satellite cells within the rabbit dorsal root ganglion
- Spine 31 (2006)1882 - 7

- +Siemionow,K., Klimczak,A., Brzezicki,G., Siemionow,M., McLain,R.F.
The effects of inflammation on glial fibrillary acidic protein expression in satellite cells of the dorsal root ganglion
Spine 34 (2009)1631 - 7
- +Siemonsma,P.C. Stuive,I., Roorda,L.D., Vollebregt,J.A., Walker,M.F., Lankhorst,G.J., Lettinga,A.T.
Cognitive treatment of illness perception in patients with chronic low back pain: a randomized controlled trial
Phys Ther 93 (2013)435 - 48
- +Siemsen,C.H. Portugall,K., Brandt,J.O., Kißlinger,E.
Behandlung von Lendenwirbelsäulenerkrankungen.
Physiotherapie und Extensionsbehandlungen im Vergleich
Manuelle Med 53 (2015)345 - 9
- Siepe,C.S. Mayer,M., Heinz-Leisenheimer,M., Korge,A.
Total lumbar disc replacement – different results for different levels
Spine 32 (2007)782 – 90
- +Siepe,C.S. Zelenkov,P., Sauri-Barraza,J.C., Szeimies,U., Grubinger,T., Tepass,A., Stäbler,A., Mayer,M.H.
The fate of facet joint and adjacent level disc degeneration following total lumbar disc replacement
A prospective clinical,X-ray, and magnetic resonance imaging investigation
Spine 35 (2010)1991 - 2003
- Siewe,J. Rudat,J., Röllinghoff,M., Schlegel,U.J., Eysel,P., Michel,J.W.
Injuries and overuse syndromes in powerlifting
Int J Sports Med 32 (2011)703 – 11 (zit. Pieber, 2018)
- +Siffert,R.S. Lower limb-length discrepancy
J Bone Joint Surg Am 69 (1987)1100 – 6
- +Sigl,T. Cieza,A., Brockow,T., Chatterji,S., Kostanjsek,N., Stucki,G.

- Content comparison of low back pain-specific measures based on the interantional classification of functioning, disability and health (ICF)
- Clin J Pain 22 (2006)147 – 53
- +Sihvonen,T. Herno,A., Paljärvi,L., Airaksinen,O., Partanen,J., Tapaninaho,A.
- Local denervation atrophy of paraspinal muscles in postoperative failed back syndrom
- Spine 18 (1993)575 – 81
- +Sihvonen,T. Partanen,J., Hänninen,O., Soimakallio,S.
- Electric behaviour of low back muscles during lumbar pelvic rhythm in low back pain patients and healthy control
- Arch Phys Med Rehabil 72 (1991)1080 – 7
- +Sikandar,S. Ronga,I., Ianetti,G.D., Dickenson,A.H.
- Neural coding of nociceptive stimuli, from rat spinal neurons to human perception
- Pain 154 (2013)1263 - 73
- +Silfies;S.P. Mehta,R., Smith,S.S., Karduna,A.R.
- Differences in feedforward trunk muscles activity in subgroups of patients with mechanical low back pain
- Arch Phys Med Rehabil 90 (2009)1159 – 69
- +Silfies,S.P. Squillante,D., Maurer, P., Westcott,S., Karduna,A.R.
- Trunk muscle recruitment patterns in specific chronic low back pain populations
- Clin Biomech 20 (2005)465 – 73
- +Sikorski,J.M. A rationalized approach to physiotherapy for low back pain
- Spine 10 (1985)571 – 9
- +Sills,F. Foundations in craniosacral biodynamics. The sentinent embryo, tissue intelligence, and trauma resolution. Vol. two
- North Atlantic Books, Berkeley, California, 2012
- +Silva,M.J. Boudakian,C., Hruby,R.

- Investigation into the role foot position has on the assessment of the seated flexion test and a test of interrater reliability
- AAO J 22 (2012)4: 16 - 9
- +Silvasti,M. Rosenberg,P., Seppälä,T., Svartling,N., Pitkänen,M.
- Comparison of analgesic efficacy of oxycodone and morphine in postoperative intravenous patient-controlled analgesia
- Acta Anaesth Scand 42 (1998)576 – 80
- +Silverfield,J.C. Kamin,M., Wu,S.C., Rosenthal,N.
- Tramadol/Acetaminophen combination tablets for the treatment of osteoarthritis flare pain: a multicenter, outpatient, randomized, double-blind, placebo-controlled, parallel-group, ad-on study
- Clin Ther 24 (2002)282 - 97
- +Silverman,S. Rice,J.B., White,A.G., Beck,C.G., Robinson,R.L., Fernan,C., Schepman,P.
- Clinical and economical burden of prescribing tramadol and other opioids for patients with osteoarthritis in a commercial insured population in the United States
- Pain 163 (2022)75 – 82
doi.org/10.1097/j.pain.0000000000002300
- Silvestri,A. Ruscello,B., Rosazza,C., Briotti,G., Gabrielli,P.R., Tudisco,C., D'Ottavio,S.
- Acute effects of whole-body electrostimulation combined with stretching on lower back pain
- Int J Sports Med 44 (2023)820-9 doi.org/10.1055/a-2080-2018
- +Silvis,W.L. Lakke,S.E., Stegeman,P., Speijer,B.L.G.N., Vroomen,P.C.A.J., Coppes,M.H., Reneman,M.F., Soer,R., Groeningen Spine Study Group
- Can patients with low back pain be satisfied with less than expected?
- Spine 41 (2016)1606 - 12
- +Simel,D.L. Rennie,D., Bossuyt,P.M.

- The START statement for reporting diagnostic accuracy studies : application to the history and physical examination
J Gen Intern Med 23 (2008)768 – 74
- +Simmonds,M.J. Derghazarian,T., Vlaeyen,J.W.S.
Physiotherapists' knowledge, attitudes, and intolerance of uncertainty influence decision making in low back pain
Clin J Pain 28 (2012)467 - 74
- +Simmons,J.W. McMillin,J.N., Emery,S.F., Kimmich,S.J.
Intradiscal steroids. A prospective, double-blind prospective clinical trial
Spine 17 (1992)S172 – S 175
- +Simmons,R.M. Webster,A.A., Kalra,A.B., Iyengar,S.
Group II mGluR receptor agonists are effective in persistent and neuropathic pain models in rats
Pharmacol Biochem Behav 73 (2002)419 – 27
- Simms,J.A. Moorman,S.J.
The role of the iliolumbar ligament in low back pain
Med Hypo 46 (1996)511 – 5 (zit Peeters, 2011)
- +Simon,D. Craig,K.D., Miltner,W.H., Rainville,P.
Brain responses to dynamic facial expressions of pain
Pain 126 (2006)309 – 18
- +Simon,P. Espinoza Orias,A., Andersson,G.B.J., An,H.S., Inoue,N.
In vivo topographic analysis of lumbar facet Joint space with distribution in healthy and symptomatic subjects
Spine 37 (2012)1058 - 64
- +Simonds,E. Iwanaga,J., Ishak,B., Reina,M.A., Oskouian,R.J., Tubbs,R.S.
Discovery of a new ligament of the lumbar spine: the midline interlaminar ligament
Spine J 20 (2020)1134 - 7
- +Simonet,W.S. Lacey,D.L., Dunstan,C.R., Kelley,M., Chang,M.S., Lüthy,R. und weitere 24 Autoren

- Osteoprotegerin: a novel secreted protein involved in the regulation of bone density
Cell 89 (1997)309 – 19
- +Simonnet,G. Rivat,C.
Opioid-induced hyperalgesia: Abnormal or normal pain
Neuroreport 14 (2003)1 – 7
- Simons,D.G. Muscular pain syndromes
In: Friction,J.R., Awad,E. (eds):Myofascial Pain and Fibromyalgia; New York, Raven Press, 1990, 1 – 41, 114 (zit. Tough et al., 2007)
- Simons,D. Clinical and etiological update of myofascial pain from trigger points
J Musculoskeletal Pain 3 (1995)35 – 48 (zit. Huguenin, 2004)
- +Simons,D.G. Mense,S.
Understanding and measurement of muscle tone as related to clinical muscle pain
Pain 75 (1998)1 – 17
- Simons,D.G. Mense,S.
Diagnose und Therapie myofaszialer Triggerpunkte
Schmerz 17 (2003)419 – 24 (zit. Buchmann et al., 2007)
- +Simons,D.G. Travell,J.G., Simons,L.S.
Travell's and Simons' Myofascial Pain and Dysfunction. The Trigger Point Manual. Vol. 1. Upper Half of the Body. Baltimore, Lippincott, Williams & Wilkins, 1999
- Simons,D.G. et al. Prevalence of spontaneous electrical activity at trigger spots and at control sites in rabbit skeletal muscle
J Musculoskeletal Pain 3 (1995)35 – 48 (zit. Kuan et al., 2007)
- Simons,D.G. et al. Endplate potentials are common to midfiber myofascial trigger points
Am J Phys Med Rehabil 81 (2002)212 – 22 (zit. Kuan et al., 2007)

- +Simons,S.B. Chiu,J., Favorov,O.V., Whitsel,B.J., Tommerdahl,M.
Duration-dependent response of S1 in vibrotactile stimulation in squirrel monkeys
J Neurophysiol 97 (2007)2121 – 9
- +Simpson,D.A.A. Headley,P.M., Lumb,B.M.
Selective inhibition from the anterior hypothalamus of C- versus A-fibre mediated spinal nociception
Pain 136 (2008)305 - 12
- +Simpson,E.K. Parkinson,I.H., Manthey,B., Fazzalari,N.L.
Intervertebral disc disorganization is related to trabecular bone architecture of the lumbar spine
J Bone Miner Res 16 (2001)681 – 7
- +Simpson,J.K. The five eras of chiropractic & the future of chiropractic as seen through the eyes of a participant observer
Chiropractic & Man Ther 20 (2012)1; doi10.1186/ 2045-709X-20-1
- +Sims,J.A. Moorman,S.J.
The role of the iliolumbar ligament in low back pain
Med Hypotheses 46 (1996)511 – 5
- +Sims-Williams,H. Jayson,M.I., Young,S.M., Baddeley,H., Collins,E.
Controlled trial of mobilisation and manipulation for patients with low back pain in general practice
Br Med J (1978)2:1338 – 40
- +Sims-Williams,H. Jayson,M.I., Young,S.M., Baddeley,H., Collins,E.
Controlled trial of mobilisation and manipulation for low back pain: hospital patients
Br Med J (1979)2: 1318 – 20
- +Sims-Williams,H. Jayson,M.I., Young,S.M., Baddeley,H., Collins,E.
Controlled trial of mobilisation and manipulation for patients with low back pain in general practice
BMJ (1978)2: 1338 – 40

- Sinaki,M. Lumbar spondylolisthesis: retrospective comparison and three-year follow-up of two conservative treatment programs
Arch Phys Med Rehabil 70 (1989)594 – 8
- +Sinaki,M. Yoga spinal flexion postures and vertebral compression fracture in osteopenia or osteoporosis of spine: case series
Pain Pract 13 (2013)68 - 75
- +Sinclair,D.C. Feindel,W.H., Weddell,G., Falconer,M.A.
The intervertebral ligaments as a source of segmental pain
J Bone Joint Surg Am 30 (1948)515 – 21
- +Sinclair,S.M. Shamji,M.F., Chen,J., Jing,L., Richardson,W.J., Brown,C.R., Fitch,R.D., Setton,L.A.
Attenuation of inflammatory events in human intervertebral disc cells with a tumor factor antagonist
Spine 36 (2011)1190 - 6
- +Sindrup,S.H. Jensen,T.S.
Efficacy of pharmacological treatments of neuropathic pain: an update and effect related to mechanism of drug action
Pain 83 (1999)389 – 400
- +Sindrup,S.H. Jensen,T.S.
Are sodium channel blockers useless in peripheral neuropathic pain?
Pain 128 (2007)6 - 7
- Singer,M. Engagement-involvement: a central phenomenon in psychophysiological research
Psychosom Med 36 (1974)1 – 17 (zit. Sudhaus et al., 2007)
- +Singer,T. Seymour,B., O’Doherty,J., Kaube,H., Dolan,R.J., Frith,C.D.
Empathy for pain involves the affective but not sensory components of pain
Science 303 (2004)1157 – 62
- Singer,W. Neuronal synchrony: a versatile code for the definition of relations?

- Neuron 24 (1999)49 – 65, 111- 25 (zit. Apakarian & Chialvo, 2006)
- Singh,G. Recent considerations in non-steroidal anti-inflammatory drug gastropathy
Am J Med 105 (1998)S31 – 8 (zit. Frerick et al., 2003)
- +Singh,K. Masuda,K., Thonar,E.J.M.A., An,H.S., Cs-Szabo,G.
Age-related changes in the extracellular matrix of nucleus pulposus and anulus fibrosus of human intervertebral disc
Spine 34 (2009)10 - 6
- +Singh,N. Zhao,E.R., Johnson,M.A., Singh,S., Asada,T., Shahi,P., Maayan,O., ..., Iyer,S. und weitere 9 Autoren
Psoas muscle health is correlated with time to achieve MCID in patients with predominant axial back pain following decompression surgery. Early results
Spine 49 (2024)1426 – 34
doi.org/10.1097/BRS.0000000000005018
- +Singh,V. Montgomery,S.R., Aghdasi,B., Inoue,H., Wang,J.C., Daubs,M.D.
Factors affecting dynamic foraminal stenosis in the lumbar spine
Spine J 13 (2013)1080 - 7
- +Singla,N. Desjardins,P.J., Cosca,E.B., Parulan,C., Arriaga,A., Poole,K.C., Batz,D.M., Chang,P.D.
Delayed-onset muscle soreness: a pilot study to assess analgetic study design features
Pain 156 (2015)1036 - 45
- +Singleton,S. Sneddon,C., Bakina,A., Lambert,J.J., Hales,T.G.
Early-life adversity increases morphine tolerance and persistent inflammatory hypersensitivity through upregulation of delta-opioid receptors in mice
Pain 164 (2023)2253 – 64
doi.org/10.1097/j.pain.0000000000002925
- Sinnot,C.J. Garfield,J.M., Strichartz,G.R.

- Differential efficacy of intravenous lidocain in alleviating ipsilateral versus contralateral neuropathic pain in the rat
Pain 80 (1999)521 – 31 (zit. Xiao et al., 2008)
- +Sipko,T. Glibowski,E., Barczyk-Pawelec,K., Kuczynski,M.
The effect of chronic pain intensity on sit-to-stand strategy in patients with herniated lumbar disks
J Manipul Physiol Ther 39 (2016)169 - 75
- +Sipko,T. Grygier,D., Barczyk,K., Eliaz,G.
The occurence of strain symptoms in the lumbosacral region and pelvis during pregnancy and after childbirth
J Manipulative Physiol Ther 33 (2010)370 – 77
- +Sirucek,L. Ganley,P.P., Zellhofer,H.U., Schweinhardt,P.
Diffuse noxious inhibitory controls and conditioned pain modulation: a shared neurobiology within te descending pain inhibitory system?
Pain 164 (2023)463 – 8
doi.org/10.1097/j.pain.0000000000002719
- Sizer,P.S. Matthijs,O., Phelps,V.
Influence of age on the development of pathology
Curr Rev Pain 4 (2000)362 – 73 (zit. Sizer et al., 2002)
- +Sizer,P.S. Phelps,V., Dedrick,G., Matthijs,O.
Differential diagnosis and management of spinal nerve root-related pain
Pain Practice 2 (2002)98 - 121
- Sizer,P.S. Phelps,V., Matthijs,O.
Pain generators of the lumbar spine
Pain Prac 3 (2001)255 – 73 (zit. Sizer et al., 2002)
- +Sjogaard,G. Jensen,B.R., Hargens,A.R., Sogaard,K.
Intramuscular pressure and EMG relate during static contractions but dissociate with movement and fatigue
J Appl Physiol 96 (2004)1522 – 9

- +Sjogren,P. Chrstrup,L.L., Petersen,M.A., Hojsted,J.

Neuropsychological assessment of chronic non-malignant pain patients treated in multidisciplinary pain centre

Eur J Pain 9 (2005)453 – 62
- +Sjogren,P. Ekholm,O., Peuckmann,V., Gronbaek,M.

Epidemiology of chronic pain in Denmark. An update

Eur J Pain 13 (2009)287 - 92
- +Sjogren,P. Gronbaeck,M., Peuckmann,V., Ekholm.O.

A population-based cohort study on chronic pain : the role of opioids

Clin J Pain 26 (2010)736 - 9
- +Sjogren,P. Olsen,A.K., Thomsen,A.B., Dalberg,J.

Neuropsychological performance in cancer patients. The role of oral opioids, pain and performance status

Pain 86 (2000a)237 - 45
- Sjogren,P. Thomsen,A.R., Olsen,A.K.

Impaired neuropsychological performance in chronic nonmalignant pain patients receiving long-term oral opioid therapy

J Pain Symptom Manage 19 (2000)100 – 8 (zit. Benzon et al., 2013)
- +Sjogren,T. Long,N., Storay,I., Smith,J.

Group hydrotherapy versus group land-based treatment for chronic low back pain

Physiother Res Int 2 (1997)212 – 22
- +Sjögren,T. Nissinen,K.J., Jarvenpaa,S.K., Ojanen,M.T., Vanharanta,H., Malkia,E.A.

Effects of a workplace physical exercise intervention on the intensity of headache and neck and shoulder symptoms and upper extremity muscular strength of office workers: a clusterrandomized controlled cross-over trial

Pain 116 (2005)119 – 28

- +Sjolie,A.N. Associations between activities and low back pain in adolescents
Scand J Med Sci Sports 14 (2004)352 – 9
- +Sjölund,B.H. Erikson,M.B.
The influence of naloxon on analgesia produced by peripheral conditioning stimulation
Brain Res 173 (1979)295 – 301
- +Skaggs,D.L. Weidenbaum,M., Iatridis,J.C., Ratcliffe,A., Mow,V.C.
Regional variation in tensile properties and biochemical composition of the human lumbar anaulus fibrosus
Spine 19 (1994)1310 – 9
- +Skargren,E.I. Öberg,B.E.
Predictive factors for 1-year outcome of low back and neck pain in patients treated in primary care: comparison between the treatment strategies chiropractic and physiotherapy
Pain 77 (1998)201 – 7
- +Skargren,E.I. Öberg,B.E., Carlsson,P.G., Gade,M.
Cost and effectiveness analysis of chiropractic and physiotherapy treatment for low back and neck pain. Six-month follow-up
Spine 22 (1997)2167 – 77
- +Skargren,E.I. Carlsson,P.G., Öberg,B.E.
One year follow-up comparison of the cost and effectiveness of chiropractic and physiotherapy as primary management for back pain
Spine 23 (1998)1875 – 83
- +Skelton,A.M. Murphy,E.A., Murphy,R.J.L., O'Dowd,T.C.
General practitioner perceptions of low back pain patients
Fam Pract 12 (1995)44 – 8
- +Skene,J.H. Willerd,M.
Axonally transported proteins associated with growth in rabbit central and peripheral nervous system

- J Cell Biol 89 (1981)96 – 103
- +Skillgate,E. Lyberg,V., Johnson,U., Holm,L.W., Asker,M. Tranaeus,U.
Back pain and lifestyle in female adolescent football players
In: Vleeming et al. (eds.): 10th Interdisciplinary World Congress on Low Back Pain and Pelvic Girdle Pain, Antwerp, Belgium, 28.- 31.10.2019, S.285
- +Skillgate,E. Vingard,E., Alfredsson,L.
Naprathic manual therapy or evidence-based care for back and neck pain
Clin J Pain 23 (2007)431 – 9
- +Skinner,E.A. Edge,K., Altman,J., Sherwood,H.
Searching for the structure of coping: a review and critique of category systems for classifying ways of coping
Psychol Bull 129 (2003)269 – 316
- +Skljarevski,V Desai,D., Liu-Seifert,H., Zhang,Q., Chappell,A.s., Detke,M.J., Iyengar,S.,Atkinson,J.H., Backonja,M.
Efficacy and safety of duloxetine in patients with chronic low back pain
Spine 35 (2010)E578 – 85
- +Skljarevski,V. Zhang,S., Desai,D., Alaka,K.J., Palacios,S., Miazgowski,T., Patrick,K.
Duloxetine versus placebo in patients with chronic low back pain: a 12-week, fixed-dose, double-blind trial
J Pain 11 (2010a) 1282 - 90
- Skoffer,B. Low back pain in 15- to 16-year-old children in relation to school furniture and carrying of the school bag
Spine 32 (2007)E713 – 7 –b16-
- Skoffer,B. Foldspang,A.
Physical activity and low back pain in schoolchildren
Eur Spine J 17 (2008)373-9 doi.org/10.1007/s00586-007-0583-8

- +Skorput,A.G.J. Zhang,X., Waataja,J.J., Peterson,C.D., Riedl,M.S., Kitto,K.F.,
Truong,H., Huffman,C., Salton,S.R., Fairbanks,C.A.,
Honda,C.N., Vulchanova,L.
- Involvement of the VGF-derived peptide TLQP-62 in nerve
injury-induced hypersensitivity and spinal neuroplasticity
- Pain 159 (2018)1802 - 13
- +Skou,S.T. Graven-Nielsen,T., Rasmussen,S., Simonsen,G.H.,
Laursen,M.B., Arendt-Nielsen,L.
- Facilitation of pain sensisibilisation in knee osteoarthritis and
persistent postoperative pain: a cross sectional stuivy
- Eur J Pain 18 (2014)1024 – 31
- +Skouen,J.S Grasdal,A.L., Haldorsen,E.M.H., Ursin,H.
- Relative cost-effectiveness of extensive and light
multidisciplinary treatment programs versus treatment as
usual for patients with chronic low back pain on long term
sick leave. Randomized controlled study
- Spine 27 (2002)901 – 9
- Skov,T. Borg,V., Orhede,E.
- Psychosocial and physical risk factors for musculoskeletal
disorders oft he neck, shoulders, and lower back in
salespeople
- Occup Environ Med 53 (1996)351 – 6 (zit. Shiri et al., 2016)
- +Skovrlj,B. Purmessur,D., Cho,S.K., Hecht,A., Iatridis,J.C.
- Effect of lumbar intradiscal injection of tumor necrosis factor-
alpha and nerve growth factor/vascular endothelial growth
factor on disc degeneration, pain behavior and neurovascular
ingrowth in an in vitro rat model
- Proceedings of the 29th annual meeting of the North
American Spine Society
- Spine J 14 (2014)11S: 84S
- Skowron,M.L. Epidemiology of low back pain
- Baillieres Clin Rheumatol 6 (1992)559 – 73 (zit. Wynne-Jones
et al., 2008)
- Skrzypiec,D. Tarala,M., Pollitine,P., Dolan,P., Adams,M.A.

	When are intervertebral discs stronger than their adjacent vertebrae?
	Spine 32 (2007)2455 - 61
+Skurtveit,S.	Furu,K., Borchgrevink,P., Handal,M., Fredheim,O.
	To what extent does a cohort of new users of weak opioids develop persistent or probable problematic opioid use ?
	Pain 152 (2011)1555 - 61
+Skyrme,A.D.	Cahill,D.J., Marsh,H.P., Ellis,H.
	Psoas major and its controversial rotational action
	Clin Anat 4 (1999)264 – 5
+Skyt,I.	Lunde,S.J., Baastrup,C., Svensson,P., Jensen,T.S., Vase,L.
	Neurotransmitter systems involved in placebo and nocebo effects in healthy participants and patients with chronic pain
	Pain 161 (2020)11 - 23
-Slaboda,J.C. (-n-)	Boston,J.R., Rudy,T.E.
	Evaluating reliability of hidden Markov models that describe the lifting patterns of low back pain patients and controls
	Conf Proc IEEE Eng Med Biol Soc 1 (2006)3238 – 41 (zit. Fairbank et al., 2011)
Slade,P.D.	Troup,J.D.G., Lethem,J.
	The fear-avoidance model of exaggerated pain perception – II.
	Behave Res Ther 21 (1983)409 – 16
+Slade,S.	Keating,J.
	Trunk-strengthening exercises for chronic low back pain: a systematic review
	J Manipulative Physiol Ther 29 (2006)163 – 73
+Slade,S.C.	Kent,P., Patel,S., Bucknall,T., Buchbinder,R.
	Barriers to primary care clinician adherence to clinical guidelines for the management of low back pain: a systematic review and metasynthesis of qualitative studies
	Clin J Pain 32 (2016)800 - 16

- +Slade,S.C. Patel,S., Underwood,M., Keating,J.L.
What are patient beliefs and perceptions about exercise for nonspecific chronic low back pain. A systematic review of qualitative studies
Clin J Pain 30 (2014)995 - 1005
- +Slater,E. Diagnosis of “hysteria”
Br Med J (1965)1395 – 9
- +Slaven,E.J. Goode,A.P., Coronado,R.A., Poole,C., Hegedus,E.J.
The relative effectiveness of segment specific level and non-specific level spinal joint mobilisation on pain and range of motion: results of a systematic review and meta-analysis
J Man Manip Ther 21 (2019)7 – 17
doi.org/10.1179/2042618612Y.0000000016
- +Slavin,K.V. Vaisman,J., Pollack,K.L., Simopoulos,T.T., Kowlowitz,E., Weinand,M.E., Norregaard,T.V.
Treatment of chronic, intractable pain with a conventional implantable pulse generator. A metaanalysis of 4 clinical studies
Clin J Pain 29 (2013)78 - 85
- +Sleijser-Koehorst, M.L.S. Bijker,L., Cuijpers,P., Scholten-Peeters,G.G.M., Coppieters,M.W.
Preferred self-administered questionnaires to assess fear of movement, coping, self-efficacy, and catastrophising in patients with musculoskeletal pain – a modified Delphi study
Pain 160 (2019)600 - 5
- Slipman,C. Jackson,H., Lipetz,J., Chan,K., Lenrow,D., Vresilovic,E.
Sacroiliac joint pain referral zones
Arch Phys Med Rehabil 81 (2000)334 – 8 (zit. Palsson & Graven-Nielsen, 2012)
- +Slipman,C.W. Lipetz,J.S., Plastaras,C.T. et al.
Fluoroscopically guided therapeutic sacroiliac joint injections for sacroiliac joint syndrome
Am J Phys Med Rehabil 80 (2001)425 – 32

- +Slipman,C.W. Patel,R.K., Zhang,L., Vresilovic,E., Lenrow,D., Shin,C., Herzog,R.
- Side of symptomatic annular tear and side of low back pain: is there a correlation?
- Spine 26 (2001)E 165 – 9
- Sloan,F.A. Valuing health care: costs, benefits, and effectiveness of pharmaceuticals and other medical technologies
- Cambridge, New York; Cambridge University Press, 1995 (zit. Johnson, 2005)
- +Sloan,T.J. Gupta,R., Zhang,W., Walsh,D.A.
- Beliefs about the causes and consequences of pain in patients with chronic inflammatory or noninflammatory low back pain and in pain-free individuals
- Spine 33 (2008)966 – 72
- +Sloan,T.J. Walsh,D.A.
- Explanatory and diagnostic labels and perceived prognosis in chronic low back pain
- Spine 35 (2010)E1120 - 5
- Slosar,P.J. Indications and outcomes of reconstructive surgery in chronic pain of spinal origin
- Spine 27 (2002)2555 – 62 (zit. Fritz et al., 2005)
- +Slosar,P.J. White,A.H., Wetzel,F.T.
- The use of selective nerve root blocks: diagnostic, therapeutic or placebo?
- Spine 23 (1998)2253 – 6
- +Slosar,P.J. Reynolds,J.B., Schofferman,J., Goldthwaite,N., White,A.H., Keaney,D.
- Patient satisfaction after circumferential lumbar fusion
- Spine 25 (2000)722 – 6
- +Slugg,R.M. Meyer,R.A., Campbell,J.N.
- Response of cutaneous A- and C-fiber nociceptors in the monkey to controlled-force stimuli

- J Neurophysiol 83 (2000)2179 – 91
- +Sluijs,E.M. Kok,G.J., van der Zee,J.
Correlates of exercise compliance in physical therapy
Phys Ther 73 (1993)771 – 82
- +Sluka,K.A. Judge,M.A., McColley,M.M., Reveiz,P.M., Taylor,B.M.
Loe frequency TENS is less effective than high frequency TENS
at reducing inflammation-induced hyperalgesia in morphine-
tolerant rats
Eur J Pain 4 (2000)185 - 93
- +Sluka,K.A. Kalra,A., Moore,S.A.
Unilateral intramuscular injections of acidic saline produce a
bilateral, long lasting hyperalgesia
Muscle Nerve 24 (2001)37 – 46
- +Sluka,K.A. O'Donnell,J.M., Danielson,J., Rasmussen,L.A.
Regular physical activity prevents development of chronic
pain
and activation of central neurons
J Appl Physiol 114 (2013)725 – 33
- +Sluka,K.A. Price,M.P., Breese,N.M., Stucky,C.I., Wemmie,J.A., Welsh,M.J.
Chronic hyperalgesia induced by repeated acid infusions in
muscle is abolished by the loss of ASIC3, but not ASIC1
Pain 106 (2003)229 - 39
- +Sluka,K.A. Radhakrishnan,R., Benson,C.J., Eshcol,J.O., Price,M.P.,
Babinski,K., Audette,K.M., Yeomans,D.C., Wilson,S.P.
ASIC3 in muscle mediates mechanical, but not heat,
hyperalgesia associated with muscle inflammation
Pain 129 (2007)102 -12
- +Sluka,K.A. Westlund,K.N.
An experimental arthritis in rats: dorsal horn aspartate and
glutamate increases
Neurosci Lett 145 (1992)141 – 4

+Sluka,K.A.

Willis,W.D., Westlund,K.N.

Inflammation-induced release of excitatory amino acids is prevented by spinal administration of a GABA(A) but not a GABA(B) receptor antagonists in rats

J Pharmacol Exp Ther 271 (1994)76 – 82

+Small,D.M.

Apkarian, A.V.

Increased taste perception exhibited by patients with chronic back pain

Pain 120 (2006)124 – 30

Smart,D.

Jerman,K.C.

Anandamide. An endogenous activator of the vanilloid receptor

Trends Pharmacol Sci 21 (2000)134 – 6 (zit. Heine, 2006)

+Smedley,J.

Inskip,H., Cooper,C., Coggon,D.

Natural history of low back pain. A longitudinal study in nurses

Spine 23 (1998)2422 – 6

+Smeets,R.J.

van Geel,K.D., Verbunt,J.A.

Is the fear avoidance model associated with the reduced level of aerobic fitness in patients with chronic low back pain?

Arch Phys Med Rehabil 90 (2009)109 – 17

+Smeets,R.J.E.M.

Vlaeyen,J.W., Hidding,A., Kester,A.D., van den Heijden,G.J., van Geel,A.C., Knottnerus,J.A.

Active rehabilitation for chronic low back pain: cognitive-behavioural, physical, or both? First direct post-treatment results from a randomized controlled trial

BMC Musculoskeletal Disord 7 (2006)5

+Smeets,R.J.E.M.

Beelen,S.,Goossens,M.E.J.B., Schouten,E.G.W., Knottnerus,J.A., Vlaeyen,J.W.S.

Treatment expectancy and credibility are associated with the outcome of both physical and cognitiv-behavioral treatment in chronic low back pain

Clin J Pain 24 (2008)305 - 15

- +Smeets,R.J. Severens,R., Beelen,S., Vlaeyen,J.W., Knottnerus,J.A.
More is not always better: cost-effectiveness analysis of combined single behavioral and single physical rehabilitation programs for chronic low back pain
Eur J Pain 13 (2009a)71 - 81
- +Smeets,R.J.E.M. Vlaeyen,J.W.S., Hidding,A., Kester,A.D.M., van der Heijden,G.J.M.G., Knotterus,J.A.
Chronic low back pain: Physical training, graded activity with problem solving training, or both? The one-year post-treatment results of a randomized controlled trial Pain 134 (2008)263 – 76
- +Smeets,R.J.E.M. Vlaeyen,J.W.S., Kester,A.D., Knottnerus,J.A.
Reduction of pain catastrophizing mediates the outcome of both physical and cognitive-behavioral treatment in chronic low back pain
J Pain 7 (2006c)261 – 71
- Smeets,R.J.E.M. Wade,D., Hidding,A., van Leeuwen,P.J.C.M., Vlaeyen,J.W.S., Knottnerus,J.A.
The association of physical deconditioning and chronic low back pain: a hypothesis-oriented systematic review Disabil Rehabil 28 (2006b)673 – 93 (zit. Smeets & Wittink, 2007)
- +Smeets,R.J.E.M. Witting,H.
Editorial: The deconditioning paradigm for chronic low back pain unmasked?
Pain 130 (2007)201 – 2
- +Smeets,R.J.E.M. Wittink,H., Hidding,A., Knottnerus,J.A.
Do patients with chronic low back pain have a lower level of aerobic fitness than healthy controls? Are pain, disability, fear of injury, working status, or level of leisure time activity associated with the difference in aerobic fitness level ?
Spine 31 (2006d)90 – 7
- +Smidt,G.L. Sitting posture in a waiting-room environment
Clin Biomech 9 (1993)323 – 4

- +Smidt,G.L. McQuade,K., Wei,S., Barakatt,E.
Sacroiliac joint kinematics for reciprocal straddle positions
Spine 20 (1995)1047 – 54
- +Smidt,G.L. McQuade,K., Wei,S.
Evaluation of the metrecom and its use in quantifying skeletal landmark locations
J Orthop Sports Phys Ther 16 (1992)182 – 8
- +Smidt,G.L. Wei,S.H., McQuade,K., Barakatt,E., Sun,T., Stanford,W.
Sacroiliac motion for extreme hip position. A fresh cadaver study
Spine 22 (1997)2073 – 82
- +Smit,T.H. The use of a quadruped as an in vivo model for the study of the spine: biomechanical considerations
Eur Spine J 11 (2002)137 – 44
- +Smit,T.H. van Tunen,M.S., van der Veen,A.J., Kingma,I., van Dieen,J.H.
Quantifying intervertebral disc mechanics: a new definition of the neutral zone
BMC Musculoskeletal Disord 12 (2011)38
- +Smit,T.H. van Dijk,M., Amoe,M., Wuisman,P.
The mechanics of absorbable spinal cages perforating the endplates: an in vitro study
Transactions of the Orthopedic Research Society, 2000, 349
- +Smith,A. Hancock,M., O’Hanlon,S., Krieser,M., O’Sullivan,P., Cicuttini,F., Straker,L., Adler,B. und 6 weitere Autoren
The association between different trajectories of low back pain and degenerative imaging findings in young adult participants within the Raine study
Spine 47 (2022)269 – 76
doi.org/10.1097/BRS.0000000000004171
- +Smith,A. O’Sullivan,P., Straker,L.

- Classification of sagittal thoraco-lumbo-pelvic alignment of the adolescent spine in standing and its relationship to low back pain
- Spine 33 (2008a)2101 - 7
- Smith,B.E. Littelwood,C., May,S.
- An update of stabilisation exercises for low back pain: a systematic review with meta-analysis
- BMC Musculoskelet Disord 15 (2014)416 (zit. Schroeder et al., 2015)
- +Smith,B.H. Fors,E.A., Korwisi,B., Barke,A., Cameron,P., Colvin,L., Richardson,C., Rief,W., Treede,R.D.
- The IASP classification of chronic pain for ICD-11: applicability in primary care
- Pain 160 (2019)83 - 7
- +Smith,B.H. Macfarlane,G.J., Torrance,N.
- Epidemiology of chronic pain, from the laboratory to the bus stop: time to add understanding of biological mechanisms to the study of risk factors in population- based research?
- Pain 127 (2007)5 - 10
- +Smith,D. Bruce-Low,S., Bissell,G.
- Twenty years of specific, isolated lumbar extension research: a review
- J Orthop 5 (2011a) e14
- +Smith,E.S.J. Lewin,G.R.
- Nociceptors: a phylogenetic review
- J Comp Physiol A Neuroethol Sens Neural Behav Physiol 195 (2009)1089 – 1106
- Smith,F.L. Lindsay,R.L.
- Enhancement of bupivacaine local anesthesia with the potassium channel blocker ibutilide
- Eur J Pain 11 (2007)551 - 6
- +Smith,H.S. The metabolism of opioid agents and the clinical impact of their active metabolites

- Clin J Pain 27 (2011)824 - 38
- +Smith,J.A. Hu,S.S.
- Management of spondylolysis and spondylolisthesis in the pediatric and adolescent population
- Orthop Clin North Am 30 (1999)387 – 99
- +Smith,J.R. Lee,J., Winkelstein,B.A.
- Nerve root compression increases spinal astrocytic vimentin parallel with sustained pain and endothelial vimentin in association with spinal vascular reestablishment
- Spine 42 (2017)1434 - 9
- +Smith,J.S. Shaffrey,C.I., Berven,S., Glassman,S., Hamill,C., Horton,W., Ondra,S., Schwab,F., Shainline,M., Fu,K.M., Bridwell,K.,
- Improvement of back pain with operative and nonoperative treatment in adults with scoliosis
- Neurosurgery 65 (2009a)86 – 93
- (-)Smith,K. Thomson,O.P.
- What do UK osteopaths view as the safest lifting posture, and how are these views influenced by their back beliefs?
- Inj J Osteop Med (2020)pub July 29,
doi.org/10.1016/j.ijosm.2020.07.003
- Smith,L. Chemonucleolysis. Personal history, trials and tribulations
- Clin Orthop Relat Res 287 (1993)117 – 24 (zit. Imai et al., 2007b)
- +Smith,L.J. Fazzalary,N.L.
- Regional variations in the density and arrangement of elastic fibers in the annulus fibrosus of the human lumbar disc
- J Anat 209 (2006)359 – 67
- +Smith,M.D.. Coppieters,M.W., Hodges,P.W.
- Postural response of the pelvic floor and abdominal muscles in women with and without incontinence
- Neurourol Urodyn 26 (2007)377 – 85
- +Smith,M.D. Russell,A., Hodges,P.W.

- Disorders of breathing and continence have a stronger association with back pain than obesity and physical activity
Aust J Physiother 52 (2006)11 – 6
- +Smith,M.D. Russell,A., Hodges,P.W.
How common is back pain in women with gastrointestinal problems?
Clin J Pain 24 (2008)199 - 203
- +Smith,M.D. Russell,A., Hodges,P.W.
The relationship between incontinence, breathing disorders, gastrointestinal symptoms and back pain in women
Clin J Pain 30 (2014)162 - 7
- +Smith,M.J. Standaert,C.J.
Toward an expanded definition of value
Spine J 13 (2013)1690 - 7
- +Smith,M.T. Muralidharan,A.
Pharmacogenetics
Pain. Clinical Updates XVIII (2010)8: 1 - 8
- Smith,O.G. The Connective Tissue Monograph
Chicago, Chicago College of Naprapathy, 1919 (zit. Skillgate et al., 2007)
- Smith,O.G. Langworthy,S.M., Paxson,M.C.
Modernized Chiropractic
Cedar Rapids, Iowa: Laurance Press Company; 1906 (zit. Skillgate et al., 2007)
- +Smith,S.A. Massie,J.B., Chesnut,R., Garfin,S.R.
Straight leg raising: anatomical effects on the spinal nerve root without and with fusion
Spine 18 (1993)992 – 9
- Smith,S.E. et al. Outcome of unoperated discogram-positive low back pain
Spine 20 (1995)1997 – 2000 (zit. Zhou & Abdi, 2006)

- +Smith,S.M. Dart,R.C., Katz,N.P., Paillard,F., Adams,E.H., Comer,S.D., Degroot,A., Edwards,A.A., Haddox,J.D., Jaffe,J.H. und weitere 14 Autoren
- Classification and definition of misuse, abuse, and related events in clinical trials: ACTION systematic review and recommendations
- Pain 154 (2013)2287 - 96
- +Smith,Y.R. Stohler,C.S., Nichols,T.E., Bueller,J.A., Koeppe,R.A., Zubieta,J.K.
- Pronociceptive and antinociceptive effects of estradiol thorough endogenous opioid neurotransmission in women
- J Neurosci 26 (2006a)5777- 5785
- +Smits,H. van Kleef,M., Holsheimer,J., Joosten,E.A.J.
- Experimental spinal cord stimulation and neuropathic pain: mechanism of action, technical aspects, and effectiveness
- Pain Pract 13 (2013)154 - 68
- +Smolenski,U. Psczolla,M., Buchmann,J., von Heymann,W.
- Jenenser Erklärung 2012: Manuelle Medizin und osteopathische Verfahren
- Manuelle Med 50 (2012)431 - 6
- Smoller,J.W. et al. Genetic association analysis of behavioral inhibition using candidate loci from mouse models
- Am J Med Genet 105 (2001)226 – 35 (zit. Diatchenko et al., 2006a)
- +Smorgick,Y. Floman,Y., Millgram,M.A., Anekstein,Y., Pekarsky,I., Mirovsky,Y.
- Mid- to long-term outcome of disc excision in adolescent disc herniation
- Spine J 6 (2006)380 – 4
- +Smuck,M. Commentary: More or less satisfied?
- Spine J 12 (2012)1140 – 1
- +Smuck,M. A slap on the back and a pat on the head (editorial)
- Spine J 16 (2016)1500 -2

- +Smuck,M. Barrette,K., Martinez-Ith,A., Sultana,G., Zheng,P.
What does the patient with back pain want? A comparison of patient preferences and physicians assumptions
Spine J 22 (2022)207 – 13
doi.org/10.1016/j.spinee.2021.09.007
- +Smuck,M. Geisser,M.E. Crisostomo,R.A., Demirjan,R., Fitch,D.S., Kennedy,D.J.,
Morphologic changes in the lumbar spine after lumbar medial branch radiofrequency neurotomy: a quantitative radiological study
Spine J 15 (2015)1415 - 21
- +Smuck,M. Crisostomo,R.A., Trivedi,K., Agrawal,D
Success of initial and repeated medial branch neurotomy for zygoapophsial joint pain: a systemic review
Phys Med Rehabil 4 (2012)686 - 92
- +Smuck,M. Kao,M.C., Brar,N., Martinez-Ith,A., Choi,J., Tomkins-Lane,C.
Does physical activity influence the relationship between low back pain and obesity?
Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;
Spine J 13 (2013)9Suppl: 17S
- +Smuck,M. Kao,M.C.J., Brar,N., Martinez-Ith,A., Choi,J., Tomkins-Lane,C.
Does physical activity influence the relationship between low back pain and obesity?
Spine J 14 (2014)209 - 16
- +Smuck,M. Muaremi,A., Zheng,P., Norden,J., Sinha,A., Hu,R., Tomkins-Lane,C.
Objective measurement of function following lumbar spinal stenosis decompression reveals improved functional capacity with stagnant real-life physical activity
Spine J 18 (2018)15 - 21
- +Smuck,M. Yarjamian,J., Fetzner,A., Yamakawa,K., Haig,A.J.,

- Correlation of paraspinal atrophy and denervation in back pain and spinal stenosis relative to asymptomatic controls
- Proceedings of the 25th annual meeting of the North American Spine Society, Orlando, FL, 2010
- Spine J 10 (2010)9S: 47S – 48S
- +Smucker,D.R. Konrad,T.R., Curtis,P., Carey,T.S.
- Practitioner self-confidence and patient outcomes in acute low back pain
- Arch Fam Med 7 (1998)223 - 8
- +Smyth,M.J. Wright,V.
- Sciatica and the intervertebral disc: an experimental study
- J Bone Joint Surg Am 40 (1958)1401 – 18
- +Snider,K.T. Johnson,J.C., Degenhardt,B.F., Snider,E.J.
- Low back pain, somatic dysfunction, and segmental bone mineral density T-score variation of the lumbar spine
- J Am Osteopath Ass 111 (2011)89 – 96
- (+)Snider,K.T. Redman,C.L., Edwards,C.R., Bhatia,S., Kondrashova,T.
- Ultrasonographic evaluation of the effect of osteopathic manipulative treatment on sacral base asymmetry
- J Am Osteop Ass 118 (2018)159 – 69 (nur Abstract)
- +Snider,R.M. Constantine,J.W., Lowe 3rd,J.A., Longo,K.P., Lebel,W.S., Woody,H.A., Drozda,S.E., Desai,M.C., Vinick,F.J., Spencer,R.W., Hess,H.j.
- A potent nonpeptide antagonist of the substance P (NK1) receptor
- Science 251 (1991)435 – 7
- +Snider,W.D. McMahon,S.B.
- Tackling pain at the source: new ideas about nociceptors
- Neuron 20 (1998)629 – 32
- +Snijdelaar,D.G. Dirksen,R., Slappendel,R., Crul,B.J.P.
- Substance P

- Eur J Pain 4 (2000)121 - 35
- Snijders,C.J. On the form of of the human thoracolumbar spine and some aspects of its mechanical behaviour
- VAM Thesis, 1970, 38 – 9 (zit. van Deursen & Patijn, 1993)
- +Snijders,C.J. Bakker,M.P., Vleeming,A., Stoeckart,R., Stam,H.J.
- Oblique abdominal muscle activity in standing and sitting on hard and soft seats
- Clin Biomech (Bristol, Avon) 10 (1995)73 – 8
- +Snijders,C.J. Hermans,P.F.G., Niesing,R., Spoor,C.W., Stoeckart,R.
- The influence of slouching and lumbar support on iliolumbar ligaments, intervertebral discs and sacroiliac joints
- Clin Biomech 19 (2004)323 – 9
- +Snijders,C.J. Hermans,P.F.G., Nieseing,R., Kleinrensing,G.J., Pool-Goudzwart,A.
- Effects of slouching and muscle contraction on the strain of the iliolumbar ligament
- Man Ther 13 (2008)325 – 33
- +Snow,R.J. für die Task Force on the Low Back Pain Clinical Practice Guidelines
- American Osteopathic Association guidelines for osteopathic manipulative treatment (OMT) for patients with low back pain
- J Am Osteop Ass 116 (2016)536 – 49, e31 – e36
- +So, T.Y. Diacinti,D., Leung,J.C.S., Iannacone,A., Kripa,E., Kwok,T.C.T., Diacinti,D., Wang,Y.X.J.
- Lower prevalence and severity of degenerative changes in the lumbar spine in elderly Hong Kong chinese compared with age matched Italian caucasian women.
- Spine 47 (2022)1710 – 8
doi.org/10.1097/BRS0000000000004445
- +Sobajima,S. Shimer,A.L., Chadderdon,R.C., Chadderdon,R.C., Kompel,J.F., Kim,J.S., Gilbertson,L.G., Kang,J.D.

- Quantitative analysis of gene expression in a rabbit model of intervertebral disc degeneration by real-time polymerase chain reaction
- Spine J 5 (2005)14 – 23
- +Sobajima,S. Vadala,G., Shimer,A., Kim,J.S., Gilbertson,L.G., Kang,J.D.
- Feasibility of a stem cell therapy for intervertebral disc degeneration
- Spine J 8 (2008)888 - 96
- +Soer,R. Reneman,M.F., Mierau,J., Schiphorst Preuper,H.R., Stegeman,P., Speijer,B.L.G.N., Dijk,H.H., Buwalda,N., Wolff,A.P., Coppes,M.H.
- Can we change health care cost in patients with complex back pain? Results from a 5-year before and after study
- Spine 45 (2020)1443 - 50
- +Soer,R. Reneman,M.F., Vroomen,P.C.A.J., Stegeman,P., Coppes,M.A.
- Responsiveness and minimal clinical important change of the pain disability index in patients with chronic back pain
- Spine 37 (2012)711 - 5
- +Soer,R. Reneman,M.F., Speijer,B.L.G.N., Coppes,M.A.,Vroomen,P.C.A.J
- Clinimetric properties of the EuroQol-5D in patients with chronic low back pain
- Spine J 12 (2012a)1035 - 9.
- +Soergel,D.G. Subach,R.A., Burnham,N., Lark,M.W., James,I.E., Sadler,B.M., Skobieranda,F., Violin,J.D., Webster,L.R.
- Biased agonism of the mu-opioid receptor by TRV130 increases analgesia and reduces on-target adverse effects versus morphine: a randomized, double-blind, placebo-controlled, crossover study in health volunteers
- Pain 155 (2014)1829 - 35
- Sohn,M.K. Graven-Nielsen,T., Arendt-Nielsen,L., Svensson,P.
- Inhibition of motor unit firing during experimental muscle pain in humans
- Muscle Nerve 23 (2000)1219 – 26 (zit. Hodges, 2014)

- +Sohn,W. Schmerzpatienten im Straßenverkehr. Beeinträchtigen Analgetika die Sicherheit?
MMW-Fortschr Med 145 (2003)548 - 51
- +Solaro,C., Brichetto,G., Amato,M.P., Cocco,E., Colombo,B., D'Aleo,G., Gasperini,C., Ghezzi,A. und weitere 6 Autoren
The prevalence of pain in multiple sclerosis: a multi-center cross-sectional study
Neurology 63 (2004)919 – 21
- +Solaroglu,I. Okutan,O., Beskonakli,E.
The ATA and ist surgical importance. A newly described ligament lying between dorsal sac and the ligamentum flavum
Spine 36 (2011)1268 – 72
- Soldad Cepeda siehe unter Cepeda
- +Soler,T. Calderon,T.
The prevalence of spondylolysis in the Spanish elite athlete
Am J Sports Med 28 (2000)57 – 62
- +Solheim,L.F. Siewers,P., Paus,B.,
The piriformis muscle syndrome: sciatic nerve entrapment treated with section of the piriformis muscle
Acta Orthop Scand 52 (1981)73 – 5
- +Sölle,A. Worm,M., Flor,H., Klinger,R.
Placeboreaktion – Mechanismen und klinische Anwendungen
Schmerz 30 (2016)386 - 94
- +Söllner,W. Schmerz und Trauma
Zschr Komplementärmed 10 (2018)1: 58 - 63
- +Solomito,M.J. Kia,C., Makanji,H.
The minimal clinical important difference for the Oswestry Disability Index substantially varies based on calculation method
Spine 50 (2025)707 – 12
doi.org/10.1097/BRS.0000000000005074

- Solomonow,M. Baratta,R.V., Banks,A., Freudenberger,C., Zhou,B.H.
Flexion-relaxation response to static lumbar flexion in males and females
Clin Biomech (Bristol, Avon) 18 (2003a)273 – 9 (zit. Shin et al., 2009)
- +Solomonow,M. Baratta,R.V., Zhou,B.H.,Zhou,E.E., Shoji,H., Bose,W., beck,C., D’Ambrosia,R.
The synergistic action of the ACL and thigh muscles in maintaining knee stability
Am J Sports Med 15 (1987)207 – 13
- +Solomonow,M. Eversull,E., Zhou,H.B., Baratta,R.V., Zhu,M.P.
Neuromuscular neutral zones associated with viscoelastic hysteresis during cyclic lumbar flexion
Spine 26 (2001)E314 – 24
- +Solomonow,M. Zhou,B.H., Baratta,R.V., Burger,E.
Biomechanics and electromyography of a cumulative lumbar disorder: response to static flexion
Clin Biomech (Bristol, Avon) 18 (2003)890 – 8
- +Solomonow,M. Zhou,B.H., Baratta;R.V., Lu,Y., Harris,M.
1999 Volvo award winner in biomechanical studies: Biomechanics of increased exposure to lumbar injury caused by cyclic loading: part 1. Loss of reflexive muscular stabilization
Spine 24 (1999)2426 - 34
- +Solomonow,M. Zhou,B., Baratta,R.V., Zhu,M., Lu,Y.
Neuromuscular disorders associated with static lumbar flexion: a feline model
J Electromyography Kinesiol 12 (2002)81 - 90
- +Solomonow,M. Zhou,B.H., Harris,M., Baratta,R.V.
The ligamento-muscular stabilizing system of the spine
Spine 23 (1998)2552 - 62
- +Solomonow,M. Zhou,B.H., LuY., King,K.B.

- Acute repetitive lumbar syndrome: A multi-component insight into the disorder
- J Bodywork Movem Ther 16 (2012)134 - 47
- +Solomonow,M. Guanche,C., Wink,C., Knatt,T., Baratta,R.V., Lu,Y.
- Mechanoreceptors and reflex arch in the feline shoulder
- J Shoulder Ellbow Surg 5 (1996)139 – 46
- Solonen,K.A. The sacroiliacal joint in the light of anatomical, roentgenological and clinical studies
- Acta Orthop Scand 27 (1957)1 – 127 (zit. Vleeming, 2005)
- +Solovieva,S. Kouhia,S., Leino-Arjas,P., Ala-Kokko,L., Luoma,K., Raininko,R., Saarela,J., Riihimäki,H.
- Interleukin 1 polymorphisms and intervertebral disc degeneration
- Epidemiology 15 (2004a)626 – 33
- +Solovieva, S. Leino-Arjas,P., Saarela,J., Luoma,K., Raininko,R., Riihimäki,H.
- Possible association of IL 1- gene locus polymorphisms with low back pain
- Pain 109 (2004b)8 - 19
- +Solovieva,S. Lohiniva,J., Leino-Arjas,P., Raininko,R., Luoma,K., Ala-Kokko,L., Riihimäki,H.
- COL9A3 gene polymorphism and obesity in intervertebral disc degeneration in the lumbar spine: evidence of gene-environment interaction
- Spine 27 (2002)2691 – 6 (zit. Videman et al., 2010)
- +Solovieva,S. Lohiniva,J., Leino-Arjas,P., Raininko,R., Luoma,K., Ala-Kokko,L., Riihimäki,H.
- Intervertebral disc degeneration in relation to the COL9A3 and the IL-1ss gene polymorphism
- Eur Spine J 15 (2006)613 – 9
- +Solovieva,S. Noponen,N., Männikkö,M., Leino-Arjas,P., Luoma,K., Raininko,R., Ala-Kokko,L., Riihimäki,H.

- Association between the aggrecan gene variable number of tandem repeats polymorphism and intervertebral degeneration
- Spine 32 (2007)1700 – 5
- +Somers,T.J. Keefe,F.J., Carson,J.W., Pells,J.J., Lacaille,P.
- Pain catastrophizing in borderline morbidity obese and morbidity obese individuals with osteoarthritic knee pain
- Pain Res Manage 13 (2008)401 – 6
- +Somers,T. Wren,A.A., Keefe,F.J.
- Understanding chronic pain in older adults: Abdominal fat is where it is at (Commentary)
- Pain 152 (2011)8 - 9
- +Sommer,C. Neuropathische Schmerzen. Pathophysiologie, Diagnostik, Therapie
- Schmerz 27 (2013)619 - 34
- +Sommer,C. Häuser,W., Gerhold,K., Joraschky,P., Petzke,F., Tölle,T., Uceyler,N., Winkelmann,A., Thieme,K.
- Ätiologie und Pathophysiologie von Fibromyalgie und chronisch generalisiertem Schmerz
- Schmerz 22 (2008)267 – 82
- +Sommer,C. Lalonde,A., Heckmann,H.M., Rodriguez,M., Myers,R.R.
- Quantitative neuropathology of a focal nerve injury causing hyperalgesia
- J Neuropathol Exp Neurol 54 (1995)635 – 43
- +Sommer,C. Kress,M.
- Recent findings on how proinflammatory cytokines cause pain: peripheral mechanisms in inflammatory and neuropathic hyperalgesia
- Neurosci Lett 361 (2004)184 - 7
- +Sommer,C. Schmidt,C., George,A., Toyka,K.V.
- A metalloproteinase-inhibitor reduces pain associated behavior in mice with experimental neuropathy

- Neurosci Lett 237 (1997)45 – 8
- +Sommer,C. Üceyler,N.
Botulinumtoxin zur Behandlung von neuropathischen Schmerzen
Nervenheilkd 36 (2017)315 - 23
- +Son,S. Lee,S.G., Kim,W.K., Ahn,Y., Jung,J.M.
Disc height discrepancy between supine and standing positions as a screening metric for discogenic back pain in patients with disc degeneration
Spine J 21 (2021)71 – 9
doi.org/10.1016/j.jspinee.2020.07.006
- +Song,H. Luo,Y., Wang,W., Li,S., Yang,K., Dai,M., Shen,Y., Zhang,Y., Zhang,L.
Effects of alendronate on lumbar intervertebral disc degeneration with bone loss in overresected rats
Spine J 17 (2017)995 - 1003
- +Song,J.K. Musleh,W., Christie,S.D., Fessler,R.G.
Cervical juxtafacet cysts: case report and literature review
Spine J 6 (2006)279 – 81
- +Song,Y.O. Cheung,K.M., Ho,D.W., Poon,S.C.S., Chiba,K., Kawaguchi,Y., Hirose,Y., Alini,M. und weitere 9 Autoren
Association of the asporin D14 allele with lumbar disc degeneration in Asians
Am J Hum Genet 82 (2008c)744 – 7
- +Song,Y.O. Ho,D.W., Karppinen,J., Kao,P.Y.P., Fan,B.J., Luk,K.D.K., Yip,S.P., Leong,J.C.Y. und weitere 4 Autoren
Association between promoter-1607 polymorphism of MMP-1 and lumbar disc disease in Southern Chinese
BMC Med Genet 9 (2008d)38
- +Song,X.J. Zhao,Z.Q.
Involvement of NMDA and non-NMDA receptors in transmission of spinal visceral nociception in cat

- Zhongguo Yao Li Xue Bao 20 (1999)308 – 12
- +Song,X.J. Cao,J.L., Li., H.C., Zheng,J.H., Song,X.S., Xiong,L.Z.
- Upregulation and redistribution of ephrinB and EphB receptor in dorsal root ganglion and spinal dorsal horn neurons after peripheral nerve injury and dorsal rhizotomy
- Eur J Pain 12 (2008b)1031 - 9
- Song,X.J. Gan,Q., Cao,J.L., Wang,Z.B., Rupert,R.L.
- SpinL manipulation reduces pain and hyperalgesia after lumbar intervertebral foramen inflammation in the rat
- J Manipul Physiol Ther 29 (2006a)5 – 13
doi.org/10.1016/j.jmpt.2005.10.001
- (-)Song,X.J. Huang,Z.J., Song,W.B., Song,X.S., Fuhr,A.F., Rosner,A.L., Ndtan,H., Rupert,R.L.
- Attenuation effect of spinal manipulation on neuropathic and postoperative pain through activating endogenous anti-inflammatory cytokine interleukin 10 in rat spinal cord
- J Manipulat Physiol Ther (2015)
doi.org/10.1016/j.jmpt.2015.12.004
- +Song,X.J. Zheng,J.H., Cao,J.L., Liu,W.T., Song,X.S., Huang,Z.J.
- EphrinB-EphB receptor signaling contributes to neuropathic pain by regulating neural excitability and spinal synaptic plasticity in rats
- Pain 139 (2008)168 – 80
- +Song,Z. Meyerson,B.A., linderoth,B.
- Spinal 5-HT receptors that contribute to the pain-relieving effects of spinal cord stimulation in a rat model of neuropathy
- Pain 152 (2011)1666 - 73
- +Sorbi,M.J. Peters,M.L., Kruise,D.A., Maas,C.J.M., Kerssens,J.J.,Verhaak,P.F.M., Bensing,J.M.
- Electronic momentary assessment in chronic pain I: Psychological pain responders as predictors of pain intensity; II: Pain and psychological pain responses as predictors of pain disability

- Clin J Pain 22 (2006) 55 – 66, 67 – 81
- +Sorensen,C.J. George,S.Z., Callaghan,J.P., van Dillen,L.R.,
The relationship between psychological factors and low back pain symptom intensity during prolonged standing in back healthy people: a preliminary study
Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
Spine J 12 (2012)Suppl.9:31 - 2
- +Sorensen,C.J. Johnson,M.B., Callaghan,J.P., George,S.Z., van Dillen,L.R.
Validity of a paradigm for low back pain symptom development during prolonged standing
Clin J Pain 31 (2015a)652 - 9
- Sorensen,C.J. Norton,B.J., Callaghan,J.P., Hwang,C.T., van Dillen,L.R.,
Is lumbar lordosis related to low back pain development during prolonged standing
Man Ther 20 (2015)? (www.manualtherapyjournal.com)
- +Sorensen,I.G. Jacobsen,P., Gyntelberg,F., Suadicani,P.
Occupational and other predictors of herniated lumbar disc disease – A 33-year follow-up in the Copenhagen male study
Spine 36 (2011)1541 - 6
- +Sorensen,J. Frich,L.
Home visits by specially trained nurses after discharge from multi-disciplinary pain care: A cost consequence analysis based on a randomized controlled trial
Eur J Pain 12 (2008)164 - 71
- +Sorgatz,H. Maier,C.
Einer neuen Wahrheit ist nichts schädlicher als ein alter Irrtum. Übereinstimmungen neuer Leitlinien zur Opioidanwendung bei chronischen Schmerzen mit den Wirkprognosen der DGSS S3-Leitlinie LONTS
Schmerz 24 (2010)309 - 12
- +Sorge,R.E. LaCroix-Fralish,M.L., Tuttle,A.H., Sotocinal,S.G., Austin,J.S., Richie,J. und weitere 6 Autoren

- Spinal cord Toll-like receptor 4 mediates inflammatory and neuropathic hypersensitivity in male but not female mice
J Neurosci 31 (2011)15450 – 4
- +Soril,L.J.J. Ramer,L.M., McPhail,L.T., Kaan,T.K.Y., Ramer,M.S.
Spinal brain-derived neurotrophic factor governs neuroplasticity and recovery from cold-hypersensitivity following dorsal rhizotomy
Pain 138 (2008)98 - 110
- +Sorkin,L.S. Xiao,W.H., Wagner,R., Myers,R.R.
Tumor necrosis factor- α induces ectopic activity in nociceptive primary afferent fibers
Neurosci 81 (1997)255 – 62
- +Sorsa,T. Konttinen,Y.T., Lindy,O., Ritchlin,C., Saari,H., Suomalainen,K., Eklund,K.K., Santavirta,S.
Collagenase in synovitis of rheumatoid arthritis
Semin Arthritis Rheum 22 (1992)44 – 52
- +Sortres-Bayon,F. Torres-Lopez,E., Lopez-Avila,A., del Angel,R., Pellicer,F.
Lesion and electrical stimulation of the ventral tegmental area modify persistent nociceptive behavior in the rat
Brain Res 898 (2001)342 – 9
- +Soto,C. Martin-Cora,F.J., leiras,R., Velo,P., Canedo,A.
Processing noxious information at the subnucleus reticularis dorsalis (SRD) of anesthetized cats: Wind-up mechanisms
Pain 140 (2008)190 - 208
- +Soukka,A. Alaranta,H., Tallroth,K., Heliövaara,M.
Leg length discrepancy in people of working age: The association between mild discrepancy and low back pain is questionable
Spine 16 (1991)429 – 31
- +Soukup,M.G. Glomsrød,B., Lønn,J.H., Bø,K., Larsen,S.

- The effect of a Mensendieck exercise program as secondary prophylaxis for recurrent low back pain: a randomized, controlled trial with 12-month follow-up
- Spine 24 (1999)1585 – 92
- +Soukup,M.G. Lonn,J., Glomsrod,B., Bo,K., Larsen,S.
- Exercises and education as secondary prevention for recurrent low back pain
- Physiother Res Int 6 (2001)27 – 39
- +South,S.M. Kohno,B.K., Hegarty,D., Vissel,B., Drake,C.T., Ohata,M., Jenab,S., Sailer,A.W., Malkmus,S., Masuyama,T., Horner,P., Boguslavsky,J., Gage,F.H., Yaksh,T.L., Woolf,C.J., Heinemann,S.F., Inturrisi,C.E.,
- A conditional deletion of the NR1 subunit of the NMDA receptor in adulet spinal dorsal horn reduces NMDA currents and injury induced pain
- J Neurosci 23 (2003)5031 – 40
- +Souza Gomez,A. de Sa Ferreira,A., Reis,F.J.J., de Jesus-Moraleida,F.R., Calazans Nogueira,L.A., Jesus-Moraleida,N.
- Association between low back pain and biomedical beliefs in academics of physiotherapy
- Spine 45 (2020)1354 - 9
- +Sowa,G. Commentary: Do not harm: the potential negative effects of injectates used in spinal intervention
- Spine J 12 (2012a)674 – 5
- +Sowa,G.A. Coelho,J.P., Jacobs,L.J., Komperda,N., Sherry,N., Vo,N.V., Preuss,H.G.,Balk,J.L., Kang,J.D.
- The effects of glucosamine sulfate on intervertebral disc annulus fibrosus cells in vitro
- Spine J 15 (2015)1339 - 46
- +Sowa,G. Jacobs,L.J., Coelho,P., Berchara,B.P., Vo,N., Dong,Q., Hempen,E.C., Preuss,H.G., Balk,J.L., Kang,J.D.,
- Effects of oral glucosamine on intervertebral disc matrix in an animal model

Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012

Spine J 12 (2012)Suppl.9:75

+Sowa,G.

Vadala,G., Studer,R., Kompel,J., Iucu,C., Georgescu,H., Gilbertson,L., Kang,J.

Characterisation of intervertebral disc aging: Longitudinal analysis of a rabbit model by magnetic resonance imaging, histology, and gene expression

Spine 33 (2008)1821 – 8

+Sowa,G.

Coelho,J.P., Bell,K.M., Zorn,A.S., Vo,N.V., Smolinski,P., Niyonkuru,C., Hartman,R., Studer,R.K., Kang,J.D.

Alterations in gene expression in response to compression of nucleus pulposus cells

Spine J 11 (2011)36 – 43

+Sowden,G.

Hill,J.C., Konstantinou,K., Khanna,M., Main,C.J., Salmon,P., Somerville,S., Wathall,S., Foster,N.E.

Targeted treatment in primary care for low back pain: the treatment system and clinical training programmes used in the IMPaCT Back study (ISRCTN 55174281)

Fam Pract 29 (2012)50 - 62

+Spahn,V.

Fischer,O., Endres-Becker,J., Schäfer,M., Stein,C., Zöllner,C.

Opioid withdrawal increases transient receptor potential vanilloid 1 activity in a protein kinase A-dependent manner

Pain 154 (2013)598 - 608

+Sparkes,E.

Raphael,J.H., Duarte,R.V., LeMerchand,K., Jackson,C., Ashford,R.L.

A systematic literature review of psychological characteristics as determinants of outcome for spinal cord stimulation

Pain 150 (2010)284 - 9

+Sparto,P.J.

Parnianpour,M., Reinsel,T.E., Simon,S.

The effect of fatigue on multijoint kinematics and load sharing during a repetitive lifting test

Spine 25 (1997)2647 – 54

- +Spear,F.G. An examination of some psychological theories of pain
Br J Med Psychol 39 (1966)349 – 55
- +Specht,D.L. de Boer,K.F.
Anatomical leg length inequality, scoliosis and lordotic curve
in unselected clinic patients
J Manipulative Physiol Ther 14 (1991)368 – 75
- Spector,T.D. MacGregor,A.J.
Risc factors for osteoarthritis: genetics
Osteoarthritis Cartilage 2004; 12 (suppl.)39 – 44 (so zit.
Urano et al., 2007)
- +Spencer,D.L. Irwin,G.S., Miller,J.A.A.
Anatomy and significance of fixation of the lumbosacral nerve
roots in sciatica
Spine 8 (1983)672 – 9
- +Spengler,D.M. Bigos,S.J., Martin,N.A., Zeh,J., Fisher,L., Nachemson,A.
Back injuries in industry: I. Overview and cost analysis
Spine 11 (1986)241 – 5
- Spielberger,C.D et al. Manual fort the state-trait anxiety inventory (form Y)
Palo Alto, CA; Consulting Psychologists Press, 1983 (zit.
Ochsner et al., 2006)
- +Spijker-Huiges,A. Vermeulen,K., Winters,J.C., van Wijhe,M., van der Meer,K.
Costs and cost-effectiveness of epidural steroids in acute
lumbosacral radicular syndrome in general practice
Spine 39 (2014)2007 - 12
- +Spike,R.C. Puskar,Z., Andrew,D., Todd,A.J.
A quantitative and morphological study of projection neurons
in lamina I of the rat lumbal spinal cord
Eur J Neurosci 18 (2003)2433 – 48
- +Spille,E. Klingberg,R

- Zwischen Osteopathie und manueller Therapie. Neue Behandlungsart: Dynamische Wirbelsäulenthherapie nach Popp
- Naturheilkunde 89 (2012)4: 39 - 41
- +Spinhoven,P. Linssen,A.C.
- Behavioral treatment of chronic low back pain. I. Relation of coping strategy use to outcome
- Pain 45 (1991)29 – 34
- +Spinhoven,P. ter Kuile,M., Kole-Snijders,A.M.J., Mansfeld,M.H., den Ouden,D.J., Vlaeyen,J.W.S.
- Catastrophizing and internal pain control as mediators of outcome in the multidisciplinary treatment of chronic low back pain
- Eur J Pain 8 (2004)211 - 9
- Spisak,K. Kincses,B., Schlitt,F., Zunhammer,M., Schmidt-Wilke,T., Kincses,Z.T., Bingel,U.
- Pain-free resting state functional brain connectivity predicts individual pain sensitivity
- Nat Commun 11 (2020)1 – 12 doi.org/10.1038/s41467-019-13785-z
- +Spitzer,W.O Magnitude of the problem. In: Scientific approach to the assessment and management of activity-related spinal disorders. A monograph for clinicians.
- Spine 12(1987)Suppl.: 12 – 15
- +Spitzer,W.O. Skovron,M.I., Salmi,L.R., Cassidy,J.D., Duranceau,J., Suissa,S., Zeiss,E.
- Scientific monograph of the Quebec Task Force on Whiplash – Associated Disorders: redefining “whiplash” and its management
- Spine 20 (1995)Suppl 1S – 73 S
- +Spitzer,W.O. Leblanc,F.E., Dupuis,M., Abenhaim,L., Belanger,A.Y., Bloch,R., Bombardier,C., Cruess,R.L. und weitere 11 Autoren
- Scientific approach to the assessment and management of activity-related spinal disorders. A monograph for clinicians. Report of the Quebec Task Force on Spinal Disorders

	Spine 12 (1987)S 1- 59
-Spitzer,W.O.	LeBlanc,F.E., Dupuis,M. Scientific approach to the assessment and management of activity related spinal disorders: a monograph for clinicians. Quebec Task Force on Spinal Disorders Spine (1987) Suppl. 2: 1 – 59
Spörri,J.	Kröll,J., Haid,C., Fasel,B., Müller,E. Potential mechanisms leading to overuse injuries of the back in alpine ski racing: a descriptive biomechanical study Am J Sports Med 43 (2015)2042 – 8 (zit. Pieber, 2018)
+Sprangers,M.A.	de Regt,E.B., Andries,F., van Agt,H.M.E., Bijld,R.V., de Boer,J.B., Foets,M., Hoeymans,N., Jacobs,A.E., Kempen,G.I.J.M., Miedema,H.S., Tijhuis,M.A.R., de Haes,H.C.J.M. Which chronic conditions are associated with better or poorer quality of life J Clin Epidemiol 53 (2000)895 – 907
Spratt,K.	Statistical relevance In: Fardon,D.F. (ed.): Orthopaedic knowledge update: spine 2. Rosemont,IL: The American Academy of Orthopaedic Surgeons, 2002, 1022 - 31
+Spratt,K.F.	Point of view Spine 34 (2009)2810 – 1
+Spratt,K.F.	Patient-level minimal clinically important difference based on clinical judgement and minimally detectable measurement difference: A rationale for the SF-36 physical function scale in the SPORT interventional disc herniation cohort Spine 34 (2009)1722 – 31
+Sprenger,C.	Bingel,U., Büchel,C. Treating pain with pain: Supraspinal mechanisms of endogenous analgesia elicited by heterotopic noxious conditioning stimulation Pain 152 (2011)428 - 39
+Sprenger,C.	May,A., Büchel,C.

	Schmerz kontra Schmerz. Das Prinzip der DNIC
	Schmerz 24 (2010)569 - 24
+Sprenger,T.	Henriksen,G., Valet,M., Platzer,S., Berthele,A., Tölle,T.R.
	Positronenemissionstomographie (PET) in der Schmerzforschung. Von der Struktur zur Aktivität des Opiatrezeptorsystems
	Schmerz 21 (2007)503 - 13
+Sprenger,T.	Tölle,T.R., Boecker,H., Bartenstein,P.
	Schmerzforschung mit der Positronen-Emissions- Tomographie
	Nervenheilkunde 28 (2009)733 – 8
+Sprott,H.	Müller,A., Heine,H.
	Collagen crosslinks in fibromyalgia
	Arthritis Rheum 40 (1997)1450 – 4
+Srbely,J.Z.	Dickey,J.P., Lowerison,M., Edwards,M., Nolet,P.S., Wong,L.L.
	Stimulation of myofascial triggerpoints with ultrasound induces antinociceptive effects: A randomized controlled study
	Pain 139 (2008)260 – 6
SSA	Social Security Administration; Joffe-Walt,C., editor. Unfit to work: the startling rise of disability in America. NPR Planet Money; available at http://apps.npr.org/unfit for work (zit. Prather, 2016)
+Staaß,S.	Oerher,S., Lucas,G., Mattson,J.P., Ernfors,P.
	Differential regulation of TRP channels in a rat model of neuropathic pain
	Pain 114 (2009)187 - 99
+Staal,J.B.	de Bie,R.A., de Vet,H.C.W., Hildebrandt,J., Nelemans,P.
	Injection therapy for subacute and chronic low back pain. An updated Cochrane review
	Spine 34 (2009)49 - 59
+Staal,J.B	Hlobil,H.,Twisk,J.W.R., Smid,T., Köke,A.J.A, van Mechelen,W.

- Graded activity for low back pain in occupational health care:
a randomized controlled trial
- Ann Int Med 140 (2004)77 – 84
- +Staal,J.B. Hlobil,H., van Tulder,M.W., Waddell,G., Burton,A.K.,
Koes,B.W., van Mechelen,W.
- Occupational health guidelines for the management of low
back pain: an international comparison
- J Occup Environ Med 60 (2003)618 – 26
- +Stäbler,A. Bellan,M., Weiss,M. et al.Gärtner,C., Brossmann,J.,
Reiser,M.F.
- MR imaging of enhancing intraosseous disc herniation
(Schmorl's nodes)
- Am J Roentgenolog 168 (1997)933 – 8
- +Stadnik,T.W. Lee,R.R., Coen,H.L., Neirynck,E.C., Buisseret,T.S.,
Osteaux,M.J.C.
- Annular tears and disc herniation: prevalence and contrast
enhancement on MR images in the absence of low back pain
and sciatica
- Radiology 206 (1998)49 – 55
- +Stager,W.H. Osteopathic manipulative medicine and acupuncture
combined: a retrospective case study to determine if order of
treatment makes a difference in outcome for acute
mechanical low back pain
- AAO J 17 (2007)4: 11 - 21
- +Stagg,N.J. Mata,H.P., Ibrahim,M.M., Henriksen,E.J., Porreca,F.,
Vanderath,T.W., Malan,T.P.Jr.
- Regular exercises reverse sensory hypersensitivity in a rat
neuropathic pain model: role of endogenous opioids
- Anesthesiol 114 (2011)940 – 8
- Stahl,M.K. El-Metwally,A.A.S., Rimpelä,A.H.
- Time trends in single versus concomitant neck and back pain
in Finnish adolescents: results from national cross-sectional
surveys from 1991 to 2011

- BMC Musculoskeletal Disord 15 (2014)296 – 8
doi.org/10.1186/1471-2474-15-296
- +Staiger,T.O. Gaster,B., Sullivan,M.D., Deyo,R.A.

Systematic review of antidepressants and the treatment of low back pain

Spine 28 (2003)2540 -5
- Stallard,M.C. Backache in oarsmed

Br J Sports Med 14 (1980)105 – 8 (zit. Fleming & Snider, 2010)
- +Stallcup,W.B. The NG2 antigen, a putative lineage marker:
immunofluorescent localisation in primary cultures of rat brain

Dev Biol 83 (1981)154 – 65
- +Stallcup,W.B. Beasley,L., Levine,J.

Cell-surface molecules that characterize different stages in the development of cerebellar interneurons

Cold Spring Harb Symp Quant Biol 48 (1983)761 – 74
- +Stam,C. Bonnet,M.S., van Haselen,R.A.

The efficacy and safety of a homeopathic gel in the treatment of acute low back pain: a multicenter, randomized, double-blind comparative clinical trial

Br Homeopath J 90 (2001)21 – 8
- +Stamer,U.M. Gundert-Remy,U., Biermann,E., Erlenwein,E., Meißner,W., Wirz,S., Stammschulte,T.

Metamizol. Überlegungen zum Monitoring zur frühzeitigen Diagnose einer Agranulozytose

Schmerz 31 (2017)5 - 13
- +Stamer,U.M. Musshoff,F., Stüber,F., Brockmöller,J., Steffens,M., Tzvetkov,M.V.

Loss-of-function polymorphisms in the organic cation transporter OCT1 are associated with reduced postoperative tramadol consumption

Pain 157 (2016)2467 - 75

- +Stamer,U. Zahn,P., Hinz,B.
Paracetamol und Metamizol: Analgetika auf dem Prüfstand
Schmerz 26 (2012)Suppl.1: 55 - 6
- +Stamer,U.M. Zhang,L., Stüber,F.
Impact of genetic variants on pain and analgesia
Eur J Pain Suppl. 2 (2008)18 - 24
- +Stamm,T.A. Pieber,K., Crevenna,R., Dorner,T.E.
Impairment in the activities of daily living in older adults with and without osteopaorosis, osteoarthritis an chronic back pain: a secondary analysis of population-based health survey data
BMC Musculoskelet Disord 17 (2016)139
- +Stanarius,A. Töpel,I., Schulz,S., Noack,H., Wolf,G.
Immunocytochemistry of endothelial nitric oxide synthase in the rat brain: a light and electron microscopical study using the tyramide signal amplification technique
Acta Histochem 99 (1997)411 – 29
- +Stancak,A. Kozak,J., Vrba,I., Tintera,J., Vrana,J., Polacek,H., Stancak,M.
Functional magnetic resonance imaging of cerebral activation during spinal cord stimulation in failed back surgery syndrome patients
Eur J Pain 12 (2008)137 – 48
- +Standeart,C.J. Friedly,J., Erwin,M.W., Lee,M.J., Rehtine,G., Henrickson,N.B., Norvell,D.C.
Comparative effectiveness of exercise,acupuncture and spinal manipulation for low back pain
Spine 36 (2011)21Suppl.: S 120 – S130
- +Standaert,C.J. Weinstein,S.M., Rumpeltes,J.
Evidence-informed management of chronic low back pain with lumbar stabilisation exercises
Spine J 8 (2008)114 – 20
- +Ständer,M. März,U., Steude,U., Tonn,J.C.

- Häufige Ursache chronischer Rückenbeschwerden: lumbales Facettensyndrom. Mit Kälte gegen den bohrenden Schmerz
MMW Fortschr Med 148 (2006)41: 33 - 5
- +Stanford,E.A. Chambers,C.T., Biesanz,J.C., Chen,E.
The frequency, trajectories, and predictors of adolescent recurrent pain: a population based approach
Pain 138 (2008)11 - 21
- +Stanitsky,D.F. Limb-length inequality: assessment and treatment options
J Am Acad Orthop Surg 7 (1999)142 – 53
- +Stankewitz,A. Valet,M., Schulz,E., Wöller,A., Sprenger,T., Vogel,D., Zimmer,C., Mühlau,M., Tölle,T.R.
Pain sensitisers exhibit grey matter changes after repetitive pain exposure: A longitudinal voxel-based morphometry study
Pain 154 (2013)1732 - 7
- +Stankovic,R. Johnell,O.
Conservative treatment of acute low back pain. A prospective randomized trial: McKenzie method of treatment versus patient education in “Mini Back School”
Spine 15 (1990)120 – 3
- +Stankovic,R. Johnell,O.
Conservative treatment of acute low back pain: a 5-year follow-up study of two methods of treatment
Spine 20 (1995)469 – 72
- +Stano,M. Smith,M.
Chiropractic and medical costs of low back care
Med Care 34 (1996)191 - 204
- +Stanton,T.R. Henschke,N., Maher,C.G., Refshauge,K.M., Latimer,J., McAuley,J.H.
After an episode of acute low back pain, recurrence is unpredictable and not as common as previously thought
Spine 22 (2008a)2923 - 8

- +Stanton,T.R. Kawchuk,G.
The effect of abdominal stabilisation contractions on posteroanterior spinal stiffness
Spine 33 (2008)694 - 71
- +Stanton,T.R. Latimer,J., Maher,C.G., Hancock,M.
Definitions of recurrence of an episode of low back pain: a systematic review
Spine 34 (2009)E316 – 22
- Stanton,T.R. Leeke,H.B., Chalmers,K.J., Moseley,G.L.
Evidence of impaired proprioception in chronic, idiopathic neck pain: systematic review and meta-analysis
Phys Ther 96 (2016)876 – 87 doi.org/10.2522/ptj.20150241
- +Stanton,T.R. Moseley,G.L., Wong,A.Y.L., Kawchuk,G.N.
Feeling stiffnessin the back: a protective perceptual inference in chronic back pain
Scientific Reports 7 (2017)9681 (DOI: 10.1038/s41598-017-09429-1)
- +Starkweather,A.R. Ramesh,D., Lyon,D.E., Siangphoe,U., Deng,X., Sturgill,J., Heineman,A., Elwick,R.K.Jr., Dorsey,S.G., Greenspan,J.
Acute low back pain: Differential somatosensory function and gene expression compared with healthy no-pain controls
Clin J Pain 32 (2016)933 - 9
- +Starr,J.B. Gold,L., McCormick,Z., Suri,P., Friedly,J.
Trends in lumbar radiofrequency ablation utilization from 2007 to 2016
Spine J 19 (2019)1019 - 28
- +Starr,J.B. Gold,L., McCormick,Z., Suri,P., Friedly,J.
Repeat procedures and prescriptionopioid use after lumbar medial branch nerve radiofrequency ablation in commercially insured patients
Spine J 20 (2020)344 - 51

Statistisches Bundesamt	Gesundheitsbericht für Deutschland: Gesundheitsberichterstattung des Bundes Metzler-Poeschel, Wiesbaden, 1998 (zit. Schneider & Schiltenswolf, 2005)
Statistisches Bundesamt	Bevölkerung: Deutschland, Stichtag, Altersjahre Available at: http://www-genesis.destatis.de, accessed May, 9. 2005 (zit. Schneider & Schiltenswolf, 2005)
Statistisches Bundesamt	Krankheitskosten 2002 http://www.destatis.de
+Staton,P.C.	Wilson,A.W., Bountra,C., Chessell,I.P., Day,N.C. Changes in dorsal root ganglion CRGP expression in a chronic inflammatory model of the rat knee joint: differential modulation by Rofecoxib and Paracetamol Eur J Pain 11 (2007)283 – 9
+Staubesand,J.	Li,Y. Zum Feinbau der Fascia cruris mit besonderer Berücksichtigung epi- und intrafaszialer Nerven Manuelle Med 34 (1996)196 – 200
+Staud,R.	Craggs,J.G., Robison,M.E., Perlstein,W.M., Price,D.E. Brain activity related to temporal summation of C-fiber evoked pain Pain 129 (2007)130 – 42
+Staud,R.	Nagel,S., Robinson,M.E., Price,D.D. Enhanced central pain processing of fibromyalgia patients is maintained by muscle afferent input: A randomized, double-blind, placebo-controlled study Pain 145 (2009)96 - 104
+Stauff,M.P.	Carragee,E.J. Vertebral compression fracture rules (Commentary) Spine J 14 (2014)971 - 2
Stecco,A.	Cowman,M., Pirri,N., Raghavan,P., Pirri,C. Hyaluronan aggregation in different human organs

- +Stefanakis,M. Al-Abhasi,M., Harding,I., Pollintine,P., Dolan,P., Tarlton,J., Adams,M.A.
- Annulus fissures are mechanically and chemically conducive to the ingrowth of nerves and blood vessels
- Spine 37 (2012)1883 - 91
- +Stefanakis,M. Luo,J., Pollintine,P., Dolan,P., Adams,M.A.
- ISSLS prize winner : Mechanical influences in progressive intervertebral disc degeneration
- Spine 39 (2014)1365 - 72
- +Stefani,G. Slack,F.J.
- Small non-coding RNAs in animal development
- Nat Rev Med Cell Biol 9 (2008)219 – 30
- +Steigerwald,I. Müller,M., Davies,A., Samper,D., Sabatowski,R., Baron,R., Rozenberg,S., Szczepanska-Szerej,A., gatti,A., Kress,H.G.
- Effectiveness and safety of tapentadol prolonged release for severe, chronic low back pain with or without a neuropathic pain component: results of an open-label, phase 3b study
- Curr Med Res Opin 28 (2012)911 - 36
- +Stein,C. Schmerzinhibition durch Opiode – neue Konzepte
- Schmerz 33 (2019)295 - 302
- +Stein,C. Millan,M.J., Shippenberg,T.S., Peter,K., Herz,A.
- Peripheral opioid receptors mediating antinociception in inflammation – evidence for involvement of mu-receptors, delta-receptors and kappa-receptors
- J Pharmacol Exp Ther 248 (1989)1269 – 75
- +Stein,C. Hassan,A.H.S., Lehrberger,K., Giefing,J., Yassouridis,A.
- Local analgesic effect of endogenous opioid peptides
- Lancet 342 (1993)321 – 4
- +Stein,C. Pflüger,M., Yassouridis,A., Hoelzl,J., lehrberger,K., Welte,C., Hassan,A.H.S.
- No tolerance to peripheral morphine analgesia in presence of opioid expression in inflamed synovia

- J Clin Invest 98 (1996)793 – 9
- +Stein,K.V. Dorner,T.E., Ilias,W., Rieder,A.
- Schmerzpatienten und ihre Erwartungen an die ärztliche Versorgung. Ergebnisse aus dem Österreichischen Patientenbericht
- Schmerz 24 (2010)468 - 73
- +Stein,N. Sprenger,C., Scholz,J., Wiech,K., Bingel,U.
- White matter integrity of the descending pain modulatory system is associated with interindividual differences in placebo analgesia
- Pain 153 (2012)2210 - 7
- +Steinbrocker,O. Isenberg,S.A., Silver,M., Neustadt,D., Kuhn,P., Schittone,M.
- Observations on pain produced by injections of hypertonic saline into muscles and other supportive tissues
- J Clin Invest 32 (1953)1054 – 51
- +Steiner,A.A. Branco,L.G., Cunha,F.Q., Ferreira,S.H.
- Role of the haeme oxygenase/carbone monoxide pathway in mechanical nociceptor hypersensitivity
- Br J Pharmacol 132 (2001)1673 – 82
- +Steinke,H. Hammer,N., Slowik,V., Stadler,J., Josten,C., Böhme,J., Spanel-Borowski,K.
- Novel insights into the sacroiliacal joint ligaments
- Spine 35 (2010)257 - 63
- Stekel,W. The interpretation of dreams
- New York; Live Right, 1943 (zit. Merskey, 2009)
- +Stelzeneder,D. Kovacs,B.K., Goed,S., Welsch,G.H., Hirschfeld,C., Paternostro-Sluga,T., Friedrich,K.M., Mamisch,T.C., Trattnig,S.
- Effect of short-time unloading on T2 relaxation time in the lumbar intervertebral disc – in vitro magnetic resonance imaging study at 3.0 tesla
- Spine J 12 (2012)257 – 64

- +Stemper,B.D. Curry,W.H., Przybylo,J., Kiehl,K., Yoganandan,N., Shender,B.S., Maiman,D.J.,
Biomechanical effect of increasing magnitudes of internal annular disruption
Proceedings of the 29th annual meeting of the North American Spine Society
Spine J 14 (2014)11S: 16S – 17S
- +Stenager,,E. Knudsen,L., Jensen,K.
Acute and chronic pain syndromes in multiple sclerosis. A five-year follow-up study
Ital J Neurol Sci 16 (1995)629 – 32
- +Stephens,B. Gross,D.P.
The influence of a continuum of care model on the rehabilitation of compensation claimants with soft tissue disorders
Spine 32 (2007)2898 – 904
- +Stephens,S. Use of non steroidal anti-inflammatory drugs (NSAIDS) in pregnancy.
Available at:
<http://www.nelm.nhs.uk/en/NeLM-Area/Evidence/Drugs-in-Pregnancy/Use-of-non-steroidal-anti-inflammatory-drugs-NSAIDs-in-pregnancy/> (letzter Zugriff 17.4.2010)
- +Stergioulas,A. Filippou,D.K., Triga,A., Grigoriadis,E., Shipkov,C.D.
Low back pain in physical education teachers
Folia Med (Plovdiv) 46 (2004)51 – 5
- Sterling,M. Cervical mobilisation: concurrent effects on pain, sympathetic nervous system activity and motor activity
Man Ther 6 (2001)72 – 81 (zit. Skyba et al., 2003)
- +Sterling,M. Hodges,P.
Commentary on spinal hyperexcitability in patients with chronic musculoskeletal pain or headache as evidenced by alterations in the nociceptive withdrawal reflex: a systematic review and metaanalysis

- Pain 166 (2025)975-6
doi.org/10.1097/j.pain.00000000000003567
- +Sterling,M. Hodkinson,E., Pettiford,C., Souvlis,T., Curatolo,M.

Psychologic factors are related to some sensory pain thresholds but not nociceptive flexion reflex thresholds in chronic whiplash

Clin J Pain 24 (2008)124 - 30
- Sternbach,R.A. Survey of pain in the United States: the Nuprin pain report

Clin J Pain 2 (1986)49 - 53
- +Sternbach,R.A. Psychological aspects of pain and the selection of patients

Clin Neurosurg 21 (1974)323 – 33
- Sternbach,R.A. Pain Patients: Traits and Treatments.

Academic Press, New York, 1974 (zit. Peebles & Moore, 2000)
- +Sternberg,W.F. Bokat,C., Kass,L., Alboyadjian,A., Gracely,R.H.

Sex-dependent components of the analgesia produced by athletic competition

J Pain 2 (2001)65 - 74
- +Sterud,T. Johanessen,H.A., Tynes,T.

Do work-related mechanical and psychological factors contribute tot he social gradient in low back pain? A 3-year follow-up study of the general working population in Norway

Spine 41 (2016)1089 - 95
- +Steven,I.D. Fraser,R.D.

Clinical practice guidelines in the management of pain in the lumbosacral spine

Spine 21 (1996)1593 – 6
- +Stevenson,J.M. Weber,C.I., Smith,J.T. et al.

A longitudinal study of the development of low back pain in an industrial population

Spine 26 (2001)1370 – 7
- +Steward,C.E. Rittweger,J.

- Adaptive processes in skeletal muscle: molecular regulators and genetic influences
J Musculoskeletal Neuronal Interact 6 (2006)73 – 86
- +Stewart,J.D. The piriformis syndrome is overdiagnosed
Muscle Nerve 28 (2003)644 - 6
- +Stewart,M.W. Harvey,S.T., Evans,I.M.
Coping and catastrophizing in chronic pain: a psychometric analysis and comparison of two measures J Clin Psychol 57 (2001)131 – 8
- +Stewart,W.F. Ricci,J.A., Chee,E.
Lost productive time and costs due to common pain conditions in the U.S. workforce
J Am Med Assoc 290 (2003)2443 – 54
- Stinson,R.J. Morice,A.H., Sadofsky,L.R.
Modulation of transient receptor potential (TRP) channels by plant derived substances used in over the counter cough and cold remedies
Respir Res 24 (2023)45 doi.org/10.1186/s12931-023-02347-z
- +Strijkers,R.H.W. Schreijenberg,M., Gerger,H., Koes,B.W., Chiarotto,A.
Effectiveness of placebo interventions for patients with nonspecific low back pain: a systematic review and meta – analysis
Pain 162 (2021)2792 – 2804
doi.org/10.1097/j.pain.0000000000002272
- +Strine,T.W. Hootman,J.M.
US national prevalence and correlates of low back and neck pain among adults
Arthritis Rheum 57 (2007)656 – 65
- +Stiefelhagen,P. Bei welchen Medikamenten Sie besonders aufpassen müssen: Attacke auf die Nieren
MMW-Fortschr Med 150 (2008)40: 14 - 15

- Stiel,D. Exploring the link between gastrointestinal complications and over-the-counter analgesics: current issues and considerations
Am J Ther 7 (2000)91 – 8 (zit Frerick et al., 2003)
- +Stienen,M.N. Smoll,N.R., Joswig,H., Snagowski,J., Corniola,M.V., Schaller,K., Hildebrandt,G., Gautschi,O.P.
Influence of the mental health status on a new measure of objective functional impairment in lumbar degenerative disease
Spine J 17 (2017)807 - 13
- +Stienen,M.N. Ho,A.L., Staartjes,V.E., Maldaner,N., Veeravagu,A., Desai,A., gautschi,O., Bellut,D., Regli,L., Ratliff,J.K., Park,J.
Objective measures of functional impairment for degenerative diseases of the lumbar spine: a systematic review of the literature
Spine J 19 (2019)1276 - 93
- +Stier-Jarmer,M. Cieza,A., Borchers,M., Stucki,G.
How to apply the ICF and ICF core sets for low back pain
Clin J Pain 25 (2009)29 - 38
- Stiles,E. Clinical contributions of I.M.Korr
AAO Yearbook 1979 – 80,p.13 (zit. Franke, 2006)
- Still,A.T. The Philosophy and Mechanical Principles of Osteopathy
Kansas City,MO; Hudson-Kimberly Pub Co, 1902
- Stirling,A. Worthington,T., Rafiq,M., Lambert,P.A., Elliot,T.S.J.
Association between sciatica and propionibacterium acnes
Lancet 357 (2001)2024 – 5 doi.org/10.1016/S0140-6736(00)05109-6
- +St-Jaques,B. Ma,W.
Prostaglandin E2/EP4 signalling facilitates EP4 receptor externalization in primary sensory neurons in vitro and in vivo
Pain 154 (2013)313 - 23

- +Stochkendahl,M.J. Christensen,H.W., Hartvigsen,J., Vach,W., Haas,M., Hestbaek,L., Adams,E., Bronfort,G., Beyer,L.
Manual examination of the spine: a systematic, critical literature review of reproducibility
J Manipulative Physiol Ther 29 (2006)475 – 85
Manuelle Untersuchung der Wirbelsäule: Ein systematischer, kritischer Review zur Reproduzierbarkeit
Manuelle Med 45 (2007)301 - 8
- +Stoddard,A. Conditions of the sacro-iliac joint and their treatment
Physiotherapy 44 (1958)97 – 101
- +Stoeter,T. Bauermann,T., Nickel,R., Corluka,L., Gawehn,J., Vukurevic,G., Vossel,G., Egle,U.T.
Cerebral activation in patients with somatoform pain disorder exposed to pain and stress. An fMRI study
Neuroimage 36 (2007)418 – 30
- +Stojanovic,M.P. Sethee,J., Mohiuddin,M., Cheng,J., Barker,A., Wang,J., Palmer,W., Huang,A., Cohen,S.P.
MRI analysis of the lumbar spine: Can it predict response to diagnostic and therapeutic facet procedures?
Clin J Pain 26 (2010)110 -5
- +Stokes,I.A. Iatridis,J.C.
Mechanical conditions that accelerate intervertebral disc deneneration: overload versus immobilisation
Spine 29 (2004)2724 – 32
- +Stokes,J.A. Corr,M., Yaksh,T.L.
Spinal Toll-like receptor signalling and nociceptive processing: Regulatory balance between TIRAP and TRIF cascades mediated by TNF and IFN beta
Pain 154 (2013)733 - 42
- +Stokes,M. Young,A.
Investigations of quadriceps inhibition: implications for clinical practice

- Physiother 70 (1984)425 – 8
- +Stoker,G.E. Buchowski,J.M., Chen,C., Kim,H.J., Park,M.S., Riew,K.D.
- Low vitamin D levels are associated with cervical disc herniation in adults undergoing spine surgery
- Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
- Spine J 12 (2012)Suppl.9: 6S – 7S
- +Stolinski,C. Structure and composition of the outer connectiv tissue sheaths of peripheral nerve
- J Anat 186 (1995)123 – 30
- +Stolzman,S. Bement,M.H.
- Lean mass predicts conditioned pain modulation in adolescents across weight status
- Eur J Pain 20 (2016)967 – 76 (Internetzugriff 19.12.2016)
- +Stone,J. Smyth,R., Carson,A., Lewis,S., Prescott,R., Warlow,C., Sharpe,M.
- Systematic review of misdiagnosis of conversion symptoms and “hysteria”
- Br Med J 331 (2005)989
- +Stone,L.S. Editorial: Joint degeneration and chronic pain: still looking for the missing link
- Pain 141 (2009)185 - 6
- +Stone,L.S. Szyf,M.
- Commentary: The emerging field of pain epigenetics
- Pain 154 (2013)1 - 2
- +Stoop,R. Surprenant,A., North,A.
- Different sensitivities to pH of ATP-induced currents at four cloned P2X receptors
- J Neurophysiol 78 (1997)1837 – 40
- +Stör,W. Der Funktionskreis Niere der chinesischen Medizin und seine Bezüge zur westlichen Medizin
- Zschr Komplementärmed 2 (2010)1: 13 - 8

- +Storheim,K. Brox,J.I., Holm,I., Koller,A.K., Bo,K.
Intensive group training versus cognitive intervention in sub-acute low back pain: short-term results of a single-blind randomized controlled trial
J Rehabil Med 35 (2003)132 – 40
- Storheim,K. Espeland,A., Grovle,L., Skouen,J.S., Aßmus,J., Anke,A., Froholdt,A., Pedersen,L.M. und weitere 8 Autoren
Antibiotic treatment in patients with chronic low back pain and Modic changes (the AIM study): study protocol for a randomised controlled trial
Trials 18 (2017)596 doi.org/10.1186/s13063-017-2306-8
- +Storm,V. Bewegungsangstkognitionen, schmerzbezogene Selbstwirksamkeitserwartungen und subjective Arbeitsfähigkeit bei Personen mit Rückenschmerz. Eine Pilotstudie mit freiwilligen Probanden
Schmerz 33 (2019)312 - 9
- +Stornetta,R.L. Zhu,J.J.
Ras and Rap signaling in synaptic plasticity and mental disorders
Neuroscientist 17 (2011)54 – 78
- +Stösser,S. Agarwal,N., Tappe-Theodor,A., Yanagisawa,M., Kuner,R.
Dissecting the functional significance of endothelin A receptors in peripheral nociceptors in vivo via conditional gene depletion
Pain 148 (2010)206 - 14
- +Stowell,T. Schenk,R., Hellmann,M., Ladeira,C.
A preliminary analysis of outcomes and end range procedures used to achieve centralization in people with low back pain
J Manual Manipul Ther 25 (2017)doi.org/10.1080/10669817.2017.1370521
- Stover,C.N. McCarroll,J.R., Mallon,W.J.
Feeling up to par: medicine from fee to green
Philadelphia, FA Davis, 1994 (zit. Gluck et al., 2008)

- (+)Stradiotto Bernadelli,R. Mendonca Scheren,E., Fuentes Filho,A.R., Pereira,P.A.,
Garoba,M.A., Duarte de Lima Moser,A., Linck Bichinho,G.,

Effects of kinesio taping on postural balance in patients with
low back pain, a randomized controlled trial

J Bodywork Movm Ther (2019) in press, Zugriff 31.1.2019;
doi.org/10.1016/jbmt.2019.01.002
- +Strand,B.H. Dalgard,O.S., Tambs,K., Rognerud,M

Measuring the mental health status of the Norwegian
population: a comparison of the instruments SCL-25, SCL-10,
SCL-5 and MIH-5 (SF-36)

Nord J Psychiatr 57 (2003)113 – 8
- +Strand,E.B. Kerns,R.D., Christie,A., Haavik-Nilsen,K., Klokkeud,M.,
Finset,A.

Higher levels of pain readiness to change and more positive
affect reduce pain reports – a weekly assessment study on
arthritis patients

Pain 127 (2007)204 – 13
- +Stratford,P.W. Binkley,J.M., Riddle,D.L., Guyatt,G.H.

Sensitivity to change of the Roland – Morris Back Pain
Questionnaire: Part 1

Phys Ther 78 (1998)1186 – 96
- +Stratford,P. Gill,C., Westaway,M., Binkley,J.

Assessing disability and change on individual patients: a
report on patient specific measure

Physiother Can 47 (1995)258 – 63 (zit. Cleland et al., 2012)
- Stratz,T. Müller,W.

Treatment of chronic low back pain with tropisetron

Scand J Rheumatol Suppl 119 (2004)44 – 8 (zit. Christidis et
al., 2007)
- +Straube,A. Hinz,B., Kropp,P., Jampl,C., Sandor,P., May,A., Haag,G.

Kopf- und Gesichtsschmerz im Alter. Epidemiologie, Klinik,
Therapie

Nervenheilkunde 31 (2012)733 - 57

- +Straube,S. Croft,P.
Musculoskeletal pain in different occupational groups and different countries (Commentary)
Pain 154 (2013)773 - 4
- +Straube,S. Harden,M., Schröder,H., Arendacka,B., Fan,X., Moore,R.A., Friede,T.
Back schools for the treatment of chronic low back pain: possibility of benefit but no convincing evidence after 47 years of research – systematic review and meta-analysis
Pain 157 (2016)2160 - 72
- +Straube,S. Moore,R.A., Dery,S., McQuay,H.J.
Vitamin D and chronic pain
Pain 141 (2009)10 -3
- Strauss,S., Richardson,W.S., Glasziou,P. et al.
Evidence-Based Medicine : How to Practice and Teach EBM
3rd ed., London, Churchill Livingstone, 2005 (zit. Fisher & Wood, 2007)
- Streeck,R. Das Hüftgelenk. Symptomatik und Beschwerdeursachen
Manuelle Med 45 (2007)85 – 90
- +Street,K.J. White,S.G., Vandal,A.C.
Clinical prevalence and population incidence of serious pathologies among patients undergoing magnetic resonance imaging for low back pain
Spine J 20 (2010)101 - 11
- +Strender,L.E. Sjoblom,A., Sundell,K., Ludwig,R., Taube,A.
Interexaminer reliability in physical examinations of patients with low back pain
Spine 22 (1997)814 – 20
- +Strichartz,G. Beyond neurons: The complex source of pain transduction (commentary)
Pain 148 (2010)180 - 1

- +Strickland,I.T. Martindale,J.C., Woodhams,P.L., Reeve,A.J., Chessell,I.P.,
McQueen,D.S.
- Changes in the expression of NaV1.7, NaV1.8 and NaV1.9 in a
distinct popultion of dorsal root ganglia innervating the rat
knee joint in a model of chronic inflammatory joint pain
- Eur J Pain 12 (2008)564 – 72
- +Strittmatter,M. Change your mind and you change your pain? Neue
biologische Modellvorstellungen der Schmerzwahrnehmung
und ihr Einfluss auf die Therapieformen
- Nervenheilkunde 29 (2010)297 - 301
- +Strohmeier,M. Casser,H.R., Jerosch,J., Ludwig,J., Schott,C., Dieterle,L.,
Bock,F.
- Unspezifische Kreuzschmerzen gibt es nicht. Neue IGOST-
leitlinie fordert exakte Diagnostik und gezielte Therapie
- MMW-Fortschr Med 152 (2010)31 – 33, 44 - 46
- +Strong,J. Ashton,R., Stewart,A.
- Chronic low back pain: toward an integrated psychosocial
assessment model
- J Consult Clin Psych 62 (1994)1058 – 63
- +Strong,L.L. von Korff,M., Saunders,K., Moore,J.E.
- Cost-effectiveness of two self-care interventions to reduce
disability associated with back pain
- Spine 31 (2006)1639 – 45
- +Strong,R. Thomas,P.E., Earl,W.D.
- Patterns of muscle activity in leg, hip and torso during quiet
standing
- JAOA 66 (1967)1035 – 8
- Stroyer,J. Jensen,L.D.
- The role of physical fitness as risk indicator of increased low
back pain intensity among people working with physically and
mentally disabled persons
- Spine 33 (2008)546 - 54
- +Stroyer,J. Essendorp,M., Jensen,L.D., Warming,S., Avlund,K., Schibye,B.

- Validity and reliability of self-assessed physical fitness using visual analogue scales
Percept Motor Skills 104 (2007)519 - 33
- +Strumpf,M. Linstedt,U., Wiebalck,A., Zenz,M.
Medikamentöse Therapie von Rückenschmerzen. Bedeutung, Prinzipien und Gefahren
Schmerz 15 (2001)453 - 60
- +Strumpf,M. Willweber-Strumpf,A., Herberg,K.W., Zenz,M.
Sicherheitsrelevante Leistungsfähigkeit von Schmerzpatienten unter Langzeitopioidtherapie
Schmerz 19 (2005)426 - 33
- Strutton,P.H. Theodorou,S., Catley,M., McGregor,A.H., Davey,N.J.
Corticospinal excitability in patients with chronic low back pain
J Spinal Disord Tech 18 (2005)420 – 4 (zit. Graven-Nielsen, 2022)
- Struyf,D. Zaman,J., Hermans,D., Vervliet,B.
Gradients of fear: how perception influences fear generalisation
Behav Res Ther 93 (2017)116 – 22
doi.org/10.1016/j.brat.2017.04.001
- +Stuart,M. Butler,J.E., Collins,D.F., Taylor,J.L., Gandevia,S.C.
The history of contraction of the wrist flexors can change cortical excitability
J Physiol 545 (2002)731 – 7
- +Stubbs,M. Harris,M., Solomonow,M., Zhou,B., Lu,R., Baratta,V.
Ligamento-muscular protective reflex in the lumbar spine of the feline
J Electromyogr Kinesiol 8 (1998)197 – 204
- Stuber,K.I. Bruno,P., Saiko,S., Hayden,J.A.
Core stabilisation exercises for low back pain in athletes. A systematic review of the literature

	Clin J Sports Med 24 (2014)448 – 56 (zit. Schroeder et al., 2015)
Stubhaug,A.	Breivig,H. Long-term treatment of chronic neuropathic pain with the NMDA (N-methyl-D-Aspartate) receptor antagonist ketamine Acta Anaesthesiol Scand 41 (1997)329 – 31 (zit. Lemming et al., 2007)
+Stuckey,S.J.	Jacobs,A., Goldfarb,J., EMG-biofeedback training, relaxation training, and placebo for the relief of chronic back pain Percept Mot Skills 63 (1986)1023 – 36
+Stucki,G.	Daltroy,I., Liang,M.H., Lipson,S.D., Fossel,A.H., Katz,J.N. Measurement properties of a self-administered outcome measure in lumbar spinal stenosis Spine 21 (1996)796 – 801
+Stucki,G.	Liang,M.H., Fossel,A.H., Katz,J.N. Relative responsiveness of condition-specific and generic health status measures in degenerative lumbar stenosis J Clin Epidemiol 48 (1995)1369 – 78
+Stucky,C.L.	Medler,K.A., Molliver,D.C., The P2Y agonist UTP activates cutaneous afferent fibers Pain 109 (2004)36 - 44
Studer,R.K.	Aboka,A.M., Gilbertson,L.G., Georgescu,H., Sowa,G., Vo,N., Kang,J.D. p38 MAPK inhibition in nucleus pulposus cells: a potential target for treating intervertebral disc degeneration Spine 32 (2007)2827 – 33
+Studer,R.K.	Bergman,R., Stubbs,T., Decker,K. Chondrocyte response to growth factors is modulated by p38 MAPK inhibition Arthritis Res Ther 6 (2003)R56 – 64
+Studer,R.K.	Vo,N., Sowa,G., Ondeck,C., Kang,J.

	Human nucleus pulposus cells react to IL-6: Independent actions and amplification of response to IL-1 and TNF alpha
	Spine 36 (2011)539 - 9
+Studer,R.K.	Chu,C.R.
	p38 MAPK and COX-2 inhibition modulate human chondrocyte response to TGF beta
	J Orthop Res 23 (2005)454 – 61
+Sturesson,B.	Selvik,G., Uden, A.
	Movements of the sacroiliacal joints. A roentgen stereophotogrammetric analysis
	Spine 14 (1989)162 – 5
Sturesson,B.	Uden,A.
	Can an external frame fixation reduce the movements in the sacroiliacal joints? A radiostereometric analysis of ten patients
	Acta Orthop Scand 70 (1999)42 – 6 (zit. Vleeming, 2005)
Sturesson,B.	Uden,A., Vleeming,A.
	A radiostereometric analysis of the movements of the sacroiliacal joints during the standing hip flexion test
	Spine 25 (2000b)364 – 8
+Sturesson,B.	Uden,A., Vleeming,A.
	A radiostereometric analysis of the movements of the sacroiliacal joints in the reciprocal straddle position
	Spine 25 (2000a)214 – 7
Sturgeon,J.A.	Zautra,A.J.
	Resilience: a new paradigm for adaptation to chronic pain
	Curr Pain Headache Rep 14 (2010)105 – 12
	doi.org/10.1007/s11916-010-0095-9
+St-Vincent,M.	Tellier,C., Petitjean-Roget,T.
	Accidents that occurred in three hospitals in one year
	Saf Sci 31 (1999)197 – 202

+Styf,J.

Lysell,E.

Chronic compartment syndrome in the erector spinae muscle

Spine 12 (1987)80 – 2 +Jensen,M.P. Smith,D.G.,
Ehde,D.M., Robonsin,L.R.

Pain site and the effects of amputation pain: further
clarification of the meaning of mild, moderate and severe
pain

Pain 91 (2001)317 - 22

+Su,C.A.

Kusin,D.J., Li,S.Q., Ahn,U.M., Ahn,N.U.

The association between body mass index and the prevalence,
severity and frequency of low back pain

Spine 43 (2018)848 - 52

+Subotnick,S.I.

Leg length discrepancies of the lower extremity

J Orthop Sports Phys Ther 3 (1981)11 – 6

Sudhaus,S.

Fricke,B., Schneider,S., Stachon,A., Klein,H., von Düring,M.,
Hasenbring,M.

Die Cortisol-Aufwachreaktion bei Patienten mit akuten und
chronischen Rückenschmerzen: Zusammenhänge mit
psychologischen Risikofaktoren der Schmerzchronifizierung

Schmerz 21 (2007)202 - 11

+Sudoh,Y.

Cahoon,E.E., Gerner,P., Wang,G.K.

Tricyclic antidepressants as long-acting local anesthetics

Pain 103 (2003)49 – 55

-Suehiro,T.

Mizutani,M., Ishida,H., Kobara,K., Osaka,H., Watanabe,S.

Individuals with chronic low back pain demonstrate delayed
onset of the back muscle activity during prone hip extension

J Electromyogr Kinesiol (2015) doi:
<http://dx.doi.org/10.1016/j.jelekin.2015.04.13>

+Sufka,K.J.

Schomburg,F.M., Giodarno,J.

Receptor mediation of 5-HT induced inflammation and
nociception in rats

Pharmacol Biochem Behav 41 (1992)53 – 6

Sugavanam,T.	et al. Disabil Rehab (2024) online 21.8.2024, https://doi.org/nd3b (zit. MMW Fortschr Med 166 (2024)15: 20
Sugaya,H.	Moriya,H., Takahashi,K. et al. Asymmetric radiographic findings on the lumbar spine in elite and professional golfers Orthopaedic Transactions 21 (1997)312 – 3 (zit. Cole & Grimshaw, 2014)
Sugaya,H.	Tsuchiya,A., Moriya,H., Morgan,D.A., Banks,S. Low back injury in elite and professional golfers: an epidemiologic and radiologic study In: Farrally,M., Cochran,A. (eds.):Science and golf III, Proceedings of the World Scientific Congress of Golf; Champaign, IL: Human Kinetics, 1999 pp 83 – 91 (zit. Gluck et al., 2008)
+Sugaira,A.	Ohtori,S., Yamashita,M., Inoue,G., Yamauchi,K., Koshi,T., Suzuki,M., Norimoto,M., Orita,S., Eguchi,Y., Takahashi,Y., Watanabe,T.S., Ochiai,N., Takaso,M., Takahashi,K. Existence of nerve growth factor receptors, tyrosine kinase A and p75 neurotrophin receptors in intervertebral discs and on dorsal root ganglion neurons innervating intervertebral discs in rats Spine 33 (2008)2047 – 51
+Suka,M.	Yoshida,K. The national burden of musculoskeletal pain in Japan. Projections to the year 2055 Clin J Pain 25 (2009)313 – 9
+Sullivan,M.	Finding pain between mind and body Clin J Pain 17 (2001)146 - 56
+Sullivan,M.	Clarifying opioid misuse and abuse (commentary) Pain 154 (2013)2239 - 40
+Sullivan,M.	Will data destroy our faith in long-acting opioids? (Commentary) Pain 155 (2014)843 - 4

- +Sullivan,M.D. Long-term opioid therapy unsettles us both coming and going (Commentary)

Pain 163 (2022)807 – 8
doi.org/10.1097/j.pain.0000000000002453
- +Sullivan,M. Katon,W.

Somatization. The path between distress and somatic symptoms

Am Pain Soc J 2 (1993)141 – 9
- +Sullivan,M.D. Ballantyne,J.C.

Must we reduce pain intensity to treat chronic pain?

Pain 157 (2016)65 - 9
- +Sullivan,M.D. Derbyshire,S.W.

Is there a purely biological core to pain experience? (commentary)

Pain 156 (2015)2119 - 20
- +Sullivan,M.D. Edlund,M.J., Fan,M.Y., DeVries,A., Braden,J.B., Martin,B.C.

Risk for possible and probable opioid misuse among recipients of chronic opioid therapy in commercial and Medicaid insurance plans: the TROUP study

Pain 150 (2010)332 - 9
- +Sullivan,M.D. Sturgeon,J.A., Lumley,M.A., Ballantyne,J.C.

Reconsidering Fordyce’s classic article, “Pain and suffering: what is the unit?” to help make our model of chronic pain true biopsychosocial

Pain 164 (2023)271 – 9
doi.org/10.1097/j.pain.0000000000002748
- +Sullivan,M.D. Vowles,K.E.

Patient action: as means and end for chronic care

Pain 158 (2017)1405 - 7
- +Sullivan,M.D. von Korff,M., Banta-Green,C., Merrill,J.O., Saunders,K.

Problems and concerns of patients receiving chronic Opioid therapy for chronic non-cancer pain

- Pain 149 (2010)345 - 53
- +Sullivan,M.J.L. Toward a biopsychomotor conceptualization of pain
Implications for research and intervention
Clin J Pain 24 (2008)281 - 90
- +Sullivan,M.J.L. Adams,H., Tripp,D., Stanish,W.D.
Stage of chronicity and treatment response in patients with musculoskeletal injuries and concurrent symptoms of depression
Pain 135 (2008)151 - 9
- +Sullivan,M.J.L. Bishop,S.R., Pivik,J.
The pain catastrophizing scale: development and validation
Psychol Assess 7 (1995)524 – 32
- +Sullivan,M.J. d'Eon,J.L.
Relation between catastrophizing and depression in chronic pain patients
J Abnorm Psychol 99 (1990)260 – 3
- Sullivan,M.J.L. Lynch,M.E., Clark,A.J.
Dimensions of catastrophic thinking associated with pain experience and disability in patients with neuropathic pain conditions
Pain 113 (2005)310 – 15
- Sullivan,M.J.L. Martel,M.D., Tripp,D. et al.
The relation between catastrophizing and the communication of the pain experience
Pain 122 (2006)282 – 8
- Sullivan,M. Pivik,J.
The pain catastrophizing scale: development and validation
Psychol Assess 7 (1995)524 – 32 (zit. Fahland et al., 2012)
- +Sullivan,M.J.L. Scott,W., Trost,Z.
Perceived injustice. A risk factor for problematic pain outcome

	Clin J Pain 28 (2012)484 - 8
+Sullivan,M.J.L.	Stanish,W.D.
	Psychologically based occupational rehabilitation: the Pain-Disability Prevention Program
	Clin J Pain 19 (2003)97 – 104
+Sullivan,M.	Tanzer,M., Stanish,W., Fallaha,M., Keefe,F.J., Simmonds,M., Dunbar,M.
	Psychological determinants of problematic outcomes following total knee arthroplasty
	Pain 143 (2009) 123 - 9
+Sullivan,M.J.L.	Thibault,P., Andrikonyte,J., Butler,H., Catchlove,R., Lariviere,C.
	Psychological influences on repetition-induced summation of activity-related pain in patients with chronic low back pain
	Pain 141 (2009)70 -8
+Sullivan,M.J.L.	Thibault,P., Savard,A., Catchlove,R., Kozey,J., Stanish,W.D.
	The influence of communication goals and physical demands on different dimensions of pain
	Pain 125 (2006)270 – 7
+Sullivan,M.J.L.	Thorn,B., Haythornthwaite,J.L., Keefee,F, Martin,M., Bradley,L.A., Lefebvre,J.C.
	Theoretical perspectives on the relation between catastrophizing and pain
	Clin J Pain 17 (2001)52 – 64
+Sullivan,M.S.	Dickinson,C.E., Troup,J.D.G.
	The influence of age and gender on lumbar spine sagittal plane range of motion. A study of 1126 healthy subjects
	Spine 19 (1994)682 – 6
+Summers,B.	Mishra,V., Jones,J.M.
	The flip test. A reappraisal
	Spine 34 (2009)1585 - 9
Sun,C.	Liu,X., Guan,G., Zhang,H.

- Increased expression of WISP-1 (CCN4) contributes to fibrosis in the hypertrophied lumbar ligamentum flavum
- Int J Clin Exp Pathol 10 (2017)1356 – 63 www.e-century.net/files/ijcep/10.2/ijcep0045634.pdf
- Sun,C. Ma,Q., Yin,J., Zhang,H., Liu,X.
- WISP-1 induced by mechanical stress contributes to fibrosis and hypertrophy of the ligamentum flavum through Hedgehog-Gli 1 signaling
- Exp Mol Med 53 (2021)1068 – 79 doi.org/10.1038/s12276-021-00636-5
- +Sun,L. Zhao,J.Y., Gu,X., liang,L., Wu,S., Mo,K., Feng,J., Guo,W., Zhang,J., Bekker,A., Zhao,X., Nestler,E.J., Tao,Y.X.
- Nerve injury-induced epigenetic silencing of opioid receptors controlled by DNMT3a in primary afferent neurons
- Pain 158 (2017)1153 - 65
- Sun,N. Cassell,M.D.
- Intrinsic GABAergic neurons in the rat central extended amygdala
- J Comp Neurol 340 (1993)381 – 404 (zit. Pedersen et al., 2007)
- +Sun,P. Zhao,Y., Zhao,Z., Bernauer,M., Watson,P.
- Dosing pattern comparison between duloxetine and pregabalin among patients with diabetic peripheral neuropathia
- Pain Pract 12 (2012)641 - 8
- +Sundararajan,V. Konrad,T.R., Garrett,J., Carey,T.
- Patterns and determinants of multiple provider use in patients with acute back pain
- J Gen Intern Med 13 (1998)528 – 33
- +Sundblad,G.M.B. Saartok,T., Engström,L.M.T.
- Prevalence and co-occurrence of self-rated pain and perceived health in school-children: age and gender differences
- Eur J Pain 11 (2007)171 – 80

- +Sung,B. Wang,S., Zhou,B., Lim,G., Yang,L., Zeng,Q., Lim,J.A., WangJ.D., Kang,J.X., Mao,J.
Altered spinal arachidonic acid turnover after peripheral nerve injury regulates regional glutamate concentration and neuropathic pain behavior in rats
Pain 131 (2007)121 - 31
- +Sung,C.S. Wen,Z.H., Chang,W.K., Ho,S.T., Tsai,S.K., Chang,Y.C., Wong,C.S.
Inthathecal interleucin-1beta administration induces thermal hyperalgesia by activating inducible nitric oxide synthase expression in the rat spinal cord
Brain Res 1015 (2004)145 – 53
- +Sung,J. Russell,R.I., Yeomans,N., Chan,F.K.L., Chen,S.L., Fock,K.M., Goh,K.L., Kullavanijaya,P., Kimura,K. und weitere 6 Autoren
Nonsteroidal anti-inflammatory drug toxicity in the upper gastrointestinal tract
J Gastroenterol Hepatol 15 (2000) Suppl G58 – 68
- +Sung,P.S. Multifidi muscles median frequency before and after spinal stabilization exercises
Arch Phys Med Rehabil 84 (2003)1313 – 8
- +Sung,P.S. Kang,Y.M., Pickar,J.G.
Effect of spinal manipulation duration on low threshold mechanoreceptors in lumbar paraspinal muscles
Spine 30 (2005)115 - 22
- +Sung,P.S. Lammers,A.R., Danial,P.
Different parts of erector spinae muscle fatigability in subjects with and without low back pain
Spine J 9 (2009)115 – 20
- +Sung,P.S. Yoon,B., Lee,D.C.
Lumbar spine stability for subjects with and without low back pain during one-leg standing test
Spine 35 (2010)E 753 - 60
- +Sung,W. Abraham,M., Plastaras,C., Silfries,S.P:

- Trunk motor control deficits in acute and subacute low back pain are not associated with pain or fear of movement
- +Sung,Y.J. Sofoluke,N., Nkarmany,M., Deng,S., Xie,Y., Greenwood,J., Farid,R., Landry,D.W., Ambron,R.T.
- A novel inhibitor of active protein kinase G attenuates chronic inflammatory and osteoarthritic pain
- Pain 158 (2017)822 - 32
- +Suni,J. Rinne,M., Natri,A., Statistisian,M.P., Pakkari,J., Alaranta,H.
- Control of the lumbat neutral zone decreases low back pain and improves self-evaluated work ability: a 12-month randomized controlled study
- Spine 31 (2006)E611 – 20
- +Suni,J.H. Taanila,H., Mattila,V.M., Ohrankämnen,O., Vuorinen,P., Pihlajamäki,H., Parkkari,J
- Neuromuscular exercise and counseling decrease absenteeism due to low back pain in young conscripts
- A randomised, population-based primary prevention study
- Spine 38 (2013)375 - 84
- Sununu,T. Therapie chronischer Rückenschmerzen nach dem Kriterien von Evidence Based Medicine – Umsetzung und Patientenakzeptanz
14. wissenschaftliche Tagung der Österreichischen Schmerzgesellschaft
- Schmerz 20 (2006)366
- +Suokas,A.K. Walsh,D.A., McWilliams,D.F., Condon,L., Moreton,B., Arendt-Nielsen,L., Zhang,W.
- Quantitative sensory testing in painful osteoarthritis: a systematic review and meta-analysis
- Osteoarthritis Cartilage 20 (2012)1075 – 85
- +Suri,P. Boyko,E.J., Smith,N.L., Jarvik,J.G., Williams,F.M., Jarvik,G.P., Goldberg,J.
- Modifiable risk factors for chronic back pain: insights using the co-twin control design

Proceedings of the 31st annual meeting of the North America Spine Society, Boston,MA, October 26 – 29, 2016

Spine J 16 (2016)S172

+Suri,P.

Boyko,E.J., Smith,N.L., Jarvik,J.G., Jarvik,G.P., Williams,F.M., Williams,R., Haselkorn,J., Goldberg,J.

Post-traumatic stress disorder symptoms are associated with incident chronic back pain. A longitudinal twin study of older male veterans

Spine 44 (2019)1220 - 7

+Suri,P.

Dharamsi,A.S., Gaviola,G., Isaac,Z.

Are facet joint bone marrow lesions and other facet joint features associated with low back pain? A pilot study

Phys Med Rehabil 5 (2013)194 - 200

+Suri,P.

Elgaeva,E.E., Williams,F.M.K., Freidin,M.B., Verzun,D.A., Tsepilov,Y.A.

Repurposing antihypertensive and statin medications for spinal pain. A mendelian randomized study

Spine 48 (2023)1568 – 74
doi.org/10.1097/BRS.0000000000004790

+Suri,P.

Hunter,D.J., Boyko,E.J., Rainville,J., Guermazi,A., Katz,J.N.

Physical activity and associations with computed tomography – detected lumbar zygoapophyseal joint osteoarthritis

Spine J 15 (2015)42 - 9

+Suri,P.

Hunter,D.J., Jouve,C., Hartigan,C., Limke,J., Pena,E., Swaim,B., Li,L., Rainville,J.

Inciting events associated with lumbar disc herniation

Spine J 10 (2010)388 – 95

+Suri,P.

Hunter,D.J., Rainville,J., Guermazi,A., Katz,J.N.

Quantitative assessment of abdominal aortic calcification and associations with lumbar intervertebral disc height loss: the Framingham study

Spine J 12 (2012)315 - 23

- +Suri,P. Pashova,H., Heagerty,P.J., Jarvik,J.G., Turner,J.A., Comstock,B.A., Bauer,Z., Annaswamy,T.M., Nedeljkovic,S.S., Wasan,A.D., Friedly,J.L.
- Short-term improvements in disability mediate patient satisfaction after epidural corticosteroid injections for symptomatic lumbar spinal stenosis
- Spine 40 (2015a)1363 - 70
- +Suri,P. Pearson,A.M., Zhao,W., Lurie,J.D., Scherer,E.A., Morgan,T.S., Weinstein,J.N.
- Pain recurrence after discectomy for symptomatic lumbar disc herniation
- Spine 42 (2017)755 - 63
- + Suri,P. Rainville,J., de Schepper,E., Martha,J., Hartigan,C., Hunter,D.J.
- Do physical activities trigger flare-ups during an acute low back pain episode? A longitudinal case-crossover feasibility study
- Spine 43 (2018)427 - 33
- (-)Suri,P. Rainville,J., Gellhorn,A.
- Predictors of patient-reported recovery from motor or sensory deficits two years after acute symptomatic lumbar disc herniation
- Phys Med Rehabil 4 (2012a)936 - 44
- +Suri,P. Rainville,J., Katz,J.N., Jouve,C., Hartigan,C., Limke,J., Pena,E., Li,L., Swaim,B., Hunter,D.J.
- Accuracy of the physical examinationfor the diagnosis of midlumbar and low lumbar nerve root impingement
- Spine 36 (2011)63 - 73
- +Suri,P. Saunders,K.W., von Korff,M.
- Prevalence and characteristics of flare-ups of chronic nonspecific back pain in primary care. A telephone survey
- Clin J Pain 28 (2012a)574 - 80
- +Suri,P. Stanaway,I.B., Zhang,Y., Freidin,M.B., Tsepilov,Y.A., Carrell,D.S.,Williams,F.M.K., Aulchenko,YS. und weitere 5 Autoren

- Genome-wide association studies of low back pain and lumbar spinal disorders using electronic health record data identify a locus associates with lumbar spinal stenosis
- Pain 162 (2021)2263 – 72
doi.org/10.1097/j.pain.0000000000002221
- +Suri,S. Gill,S.E., de Camin,S.M., Wilson,D., McWilliams,D.F., Walsh,D.A.
- Neurovascular invasion at the osteochondral junction and in osteophytes in osteoarthritis
- Ann Rheum Dis 66 (2007)1423 - 8
- +Suter,E. Herzog,W., Conway,P.J., Zhang,Y.T.
- Reflexantworten auf manualmedizinische Behandlungen der Brustwirbelsäule
- Manuelle Med 43 (2005)305 – 10
- +Suter,E. Lindsay,D.
- Back muscle fatigability is associated with knee extensor inhibition in subjects with low back pain
- Spine 26 (2001)E361 - 6
- +Suter,E. McMorland,G.
- Decrease in elbow flexor inhibition after cervical spine manipulation in patients with chronic neck pain
- Clin Biomech 17 (2002)541 - 4
- +Suter,E. McMorland,G., Herzog,W., Bray,R.
- Conservative lower back treatment reduces inhibition in knee-extensor muscles: a randomized controlled trial
- J Manipulative Physiol Ther 23 (2000)76 - 80
- +Suto,T. Eisenach,J.T., Hayashida,K.I.
- Peripheral nerve injury and gabapentin, but not their combination, impair attentional behavior via direct effects on noradrenergic signaling in the brain
- Pain 155 (2014)1935 - 42
- +Sutter,M. An attempt to define radicular and pseudoradicular syndromes (authors transl.)

- Schweiz Rundsch Med Praxis 63 (1974)842 – 5
- +Sutton,S.E. Postural imbalances: examination and treatment utilizing flexion tests
J Am Osteopath Assoc 77 (1978)456 – 65
- +Suzan,E. Midbary,A., Treister,R., Haddad,M., Pud,D., Eisenberg,E.,
Oxycodon alters temporal summation but not conditioned pain modulation: Preclinical findings and possible relations to mechanisms of opioid analgesia
Pain 154 (2013)1413 - 8
- Suzuki,T. Nakamura,A., Ozaki,M., Suzuki,M., Narita,M.
Comparative pharmacological profiles of oxycodone and morphine in a neuropathic pain-like state in mice
Eur J Pain Suppl 1 (2007)66 - 8
- +Svendsen,K.R. Jensen,T.S., Overvad,K., HansenH.J., Koch-Henriksen,N., Bach,P.W.
Pain in patients with multiple sclerosis : a population-based study
Arch Neurol 60 (2003)1089 – 94
- +Svensson,C.I. Hua,X.Y., Protter,A.A., Powell,H.C., Yaksh,T.L.
Spinal p38 MAP kinase is necessary for NMDA-induced spinal PGE(2) release and thermal hyperalgesia
NeuroReport 14 (2003)1153 – 7
- Svensson,C.I. Marsala,M., Westerlund,A., Calcutt,N.A., Campana,W.M., Freshwater,J.D., Catalano,R., Feng,Y., Protter,A.A., Scott,B., Yaksh,T.L.
Activation of p38 mitogen-activated protein kinase in spinal microglia is a critical link in inflammation-induced spinal pain processing
J Neurochem 86 (2003)1534 – 44 (zit. Ito et al., 2007)
- +Svensson,E. Schillberg,B., Kling,A.M., Nyström,B.
The Balanced Inventory for Spinal Disorders: The validity of a disease specific questionnaire for evaluation of outcomes in patients with varios spinal disorders

- Spine 34 (2009)1976 - 83
- +Svensson,H. Anders,V., Wilhelmsson,C., Anderson,G.
Low back pain in relation to other diseases and cardiovascular risk factors
Spine 8 (1983)277 – 85
- +Svensson,P. Arendt-Nielssen,L., House,L.
Sensory-motor interactions of human experimental low muscle pain: a quantitative analysis
Pain 64 (1996)241 – 9
- (+)Swain,C.T.V. Bradshaw,E.J., Ekegreen,C.L., Whyte,D.G.
The epidemiology of low back pain and injury in dance: a systematic review
J Orthop Sports Phys Ther 49 (2019)239 – 52
doi.org/10.2519/jospt.2019.8609
- +Swait,G. Finch,R.
What are the risks of manual treatment of the spine? A scoping review for clinicians
Chiropr Man Ther 25 (2017)37
- +Swanenburg,J. Egli,M., Schweinhardt,P.
Rückenschmerzen und erhöhtes Bandscheibenvorfallrisiko bei Astronauten während und nach Raumfahrtmissionen
Flug u Reisemed 29 (2022)209 – 14 doi.org/10.1055/a-1928-3538
- (-)Swanson,B.T. Creighton,D.
The degenerative lumbar disc: not a disease, but still an important consideration for OMPT practice: a review of the history and science of discogenic instability
J Man Manipul Ther (2020) online 4.5.2020,
doi.org/10.1080/10669817.2020.178520
- +Swanson,R.L. Biotensegrity: a unifying theory of biological architecture with applications to osteopathic practice, education and research – a review and analysis
J Am Osteop Ass 113 (2013)1: 34 - 51

(-)Sweeney,E.A.	Daoud,A.K., Potter,M., Ritchie,L., Howell,D. Association between flexibility and low back pain in female adolescent gymnasts Clin J Sports Med 29 (2019)379 - 83
+Sweeney,N.	O'Sullivan,C., Kelly,G. Multifidus muscle size and percentage thickness changes among patients with unilateral chronic low back pain (CLBP) and healthy controls in prone and standing Man Ther 19 (2014)433 – 9
+Sweitzer,S.	Martin,D., DeLeo,J.A. Intrathecal interleukin-1 receptor antagonist in combination with soluble tumor necrosis factor receptor exhibits an anti-allodynic action in a rat model of neuropathic pain Neurosci 103 (2001)529 – 39
+Swider,K.	Babel,P. The effect of the sex in a model of placebo hyperalgesia induced by social observational learning Pain 154 (2013) 1312 - 7
-Swift,L.F. –n-	Brief survey of 90 roentgenposturographs Clin Osteopathy 37 (1941)117 – 26 (so zit. Beal, 1950)
+Swinkels,I.C.	van den Ende,C.H., van den Bosch,W., Dekker,J., Wimmers,R.H. Physiotherapy management of low back pain: does practice match the Dutch guidelines? Aust J Physiother 51 (2005)35 – 41
+Swinkels-Meewisse,I.E.J.	Roelofs,J., Verbeek,A.L.M., Oostendorp,R.A.B., Vlaeyen,J.W.S. Fear of movement/(re)injury, disability and participation in acute low back pain Pain 105 (2003)371 - 9
+Swinkels-Meewisse,I.E.J.	Roelofs,J., Verbeek,A.L.M., Oostendorp,R.A.B., Vlaeyen,J.W.S. Fear-avoidance beliefs, disability, and participation in workers and nonworkers with acute low back pain

- Clin J Pain 22 (2006a)45 - 54
- (-)Switters,J.M. Podar,S., Perraton,L., Machotka,Z.
- Is visceral manipulation beneficial for patients with low back pain? A systematic review of the literature
- Int J Osteopath Med 33-34 (2019)16 – 23
doi.org/10.1016/j.ijosm.2019.09.002
- +Syhr,K.M.J. Oertel,B.G., Geisslinger,G.
- Arzneimittelinteraktionen in der Schmerztherapie
- Schmerz 29 (2015)595 - 603
- +Swinkels-Meewisse,I.E.J. Roelofs,J., Oostendorp,R.A.B., Verbeek,A.L.M., Vlaeyen,J.W.S.
- Acute low back pain: pain-related fear and pain catastrophizing influence physical performance and perceived disability
- Pain 120 (2006b)26 - 43
- +Symmons,D.P.M. van Hemert,A.M., Vandenbroucke,J.P., Valkenburg,H.A.
- A longitudinal study of back pain and radiological changes in the lumbar spines of middle aged women II. Radiographic findings
- Ann Rheum Dis 50 (1991)162 – 6
- +Symonds,T.L. Burton,A.K., Tillotson,K.M., Main,C.J.
- Do attitudes and beliefs influence work loss due to low back trouble?
- Occup Med (Oxford) 46 (1996)25 – 32
- +Szadek,K.M. Hoogland,P..V., Zuurmond,W.W., de Lange,H., Perez,R.S.
- Nociceptive nerve fibers in the sacroiliac joint in humans
- Pain Med 13 (2008)36 – 43
- +Szadek,K.M. Hoogland,P..V., Zuurmond,W.W., de Lange,H., Perez,R.S.
- Possible nociceptive structures in the sacroiliac joint cartilage: an immunohistochemical study
- Clin Anat 23 (2010)192 – 8
- +Szadek,P. van der Wurff,P. van Tulder,M.W., Zuurmond,W.W., Perez,R.S.

- Diagnostik validity of criteria for sacroiliac joint pain: a systematic review
- J Pain 10 (2009)354 – 68
- +Szallasi,A. Vanilloid (capsicain) receptors in health and disease
- Am J Clin Pathol 118 (2002)110 – 21
- Szeles,J.C. Kampusch,S., Le,V.H., Enajat,D.P., Kaniusius,E., Neumeyer,C.
- Clinical effectiveness of percutaneous auricular vagus nerve stimulation in chronic back pain patients – a single centre retrospective analysis
- Ann Pain Med 3 (2021)1: 1009 (Zugriff 8.9.2024)
- +Szpalski,M. Gunzburg,R., Balague,J., Nordin,M., Melot,C.
- A 2-year prospective lonitidinal study on low back pain in primary school children
- Eur Spine J 11 (2002)459 – 64
- +Szpalski,M. Hayez,J.P.
- Objective functional assessment of the efficacy of tenoxicam in the treatment of acute low back pain: a double-blind placebo-controlled study
- Br J Rheumatol 33 (1994)74 – 8 (zit. Roelofs et al., 2008)
- +Szteyn,K. Rowan,M.P., Gomez,R., Du,J., Jeske,N.A.
- A-kinase anchoring protein 79/150 coordinates metabotropic glutamate receptor sensitisation of peripheral sensory neurons
- Pain 156 (2015)2364 - 72
- +Sztrolovics,R. Alini,M., Roughley,P.J., Mort,J.S.
- Aggrecan degradation in human intervetebral disc and articular cartilage
- Biochem J 326 (1997)235 – 41
- +Szymanski,D. Recommendations for the avoidance of delayed onset muscle soreness
- Strength Cond J 23 (2001)7 – 13
- +Tabard-Fougere,A. Dayer,R., Armand,R., Vuillerme,N.

- Flexion-relaxation phenomenon in children and adolescents with and without nonspecific chronic low back pain. An electromyographic and kinematic cross-sectional comparative study
- Spine 43 (2018)1322 - 30
- +Tabell,V. Tarkka,L.W., Skillgate,E.
- Do adverse events after manual therapy for back and/or neck pain have an impact on the chance to recover? A cohort study
- Chiropr Man Ther 27 (2019)27 doi.org/10.1186/s12998-019-0248
- +Tacci,J.A. Webster,B.S., Hashemi,L., Christiani,D.C.
- Clinical practices in the management of new-onset, uncomplicated, low back workers' compensation disability claims
- J Occup Environ Med 41 (1999)397 – 404
- +Tachihara,H. Kikushi,S., Konno,S., Sekiguchi,M.
- Does facet joint inflammation induce radiculopathy? An investigation using a rat model of lumbar facet joint inflammation
- Spine 32 (2007)406 – 12
- +Tachihara,H. Sekiguchi,M., Kikuchi,S., Konno,S.
- Do corticosteroids produce additional benefit in nerve root infiltration for lumbar disc herniation?
- Spine 33 (2008)734 – 7
- Tadmor,R. - n - Chen,N., Israelachvili,J.N.
- Thin film rheology and lubricity of hyaluronic acid solutions at a normal physiologic concentration
- J Biochem Mater Res 61 (2002)514 – 23 (zit. von Heymann & Stecco, 2016)
- +Tadokoro,K. Miyamoto,H., Sumi,M., Shimomura,T.
- The prognosis of conservative treatments for lumbar spinal stenosis. Analysis of patients over 70 years of age
- Spine 30 (2005)2458 - 63

- Tafazal,S. Ng,L., Chaudhary,N., Sell,P.
Corticosteroids in peri-radicular infiltration for radicular pain: a randomized double blind controlled trial. One year results and subgroup analysis
Eur Spine J 18 (2009)1220 – 5
- +Tafelski,S. Beutlhauser,T., Bellin,F., Reuter,E., Fritzsche,T., West,C., Schäfer,M.
Auftreten von Obstipation bei Patienten mit ambulanter Opioidtherapie
Schmerz 30 (2016)158 - 165
- +Tagliaferri,S.D. Fitzgibbon,B.M., Owen,P.J., Bowe,S.J., Belavy,D.L.
Brain structure, psychosocial, and physical health in acute and chronic back pain: a UK Biobank study
Pain 163 (2022)1277 – 90
doi.org/10.1097/j.pain.0000000000002524
- (-)Tagliaferri,S.D. Miller,C.T., Owen,P.J., Mitchell,U.H., Brisby,H., Fitzgibbon,B., Masse-Alarie,H., van Oosterwijck,J., Belavy,D.
Domains of chronic low back pain and assessing treatment effectiveness
Pain Pract 19 (2019) doi.org/10.1111/papr.12846 (Zugriff 18.11.2019)
- Tagliaferri,S.D. Mitchell,U.H., Saueressig,T., Owen,P.J., Miller,C.T., Belavy,D.L.
Classification approaches for treating low back pain have small effects that are not clinically meaningful: a systematic review with meta-analysis
J Orthop Sports Phys Ther 52 (2022a)2: 55 – 123
doi.org/10.2519/jospt.2022.10761
- +Taguchi,T. Hoheisel,U., Mense,S.
Neuroanatomical pathway of nociception originating in a low back muscle (multifidus) in the rat
Neurosci Lett 427 (2007)22 – 7
- +Taguchi,T. Hoheisel,U., Mense,S.
Dorsal horn neurones having input from low back structures in rats

- Pain 138 (2008)119 - 29
- +Taguchi,T. Hoheisel,U., Mense,S.
cFos-Expression im Rückenmark der Ratte nach chemischer Reizung von Nozizeptoren aus der lumbalen Rückenmuskulatur
Schmerz 20 (2006) Suppl 1: 115
- +Taguchi,T. Katanosaka,K., Yasui,M., Hayashi,K., Yamashita,M., Wakatsuki,K., Kiyama,H., Yamanaka,A., Mizumura,K.
Peripheral and spinal mechanisms of nociception in a rat reserpine-induced pain model
Pain 156 (2015)415 - 27
- +Taguchi,T. Yasui,M., Kubo,A., Abe,M., Kiyama,H., Yamanaka,A., Mizumara,K.
Nociception originating from the crural fascia in rats
Pain 154 (2013)1103 - 14
- Tai,Y-H. et al. Amitriptyline suppresses neuroinflammation and up-regulates glutamate transporters in morphine-tolerant rats
Pain 124 (2006)77 – 86
- +Tai,Y.-H. Wang,Y.H., Tsai,R.Y., Wang,J.J., Tao,P.L., Liu,T.M., Wang,Y.C., Wong,C.S.
Amitriptyline preserves morphines's antinociceptive effect by regulating the glutamate transporter GLAST and GLT-1 trafficking and excitatory amino acids concentration in morphine-tolerant rats
Pain 129 (2007)343 – 54
- +Taimela,S. Kankaanpää,M., Luoto,S.
The effect of lumbar fatigue on the ability to sense a change in lumbar position. A controlled study
Spine 24 (1999)1322 – 7
- +Taimela,S. Kujala,U.M., Salminen,J.J., Viljanen,T.
The prevalence of low back pain among children and adolescents: a nationwide, cohort-based questionnaire survey in Finland

	Spine 22 (1997)1132 – 6
Tait,R.C. et al.	The Pain Disability Index: psychometric properties
	Pain 40 (1990)171 – 82
-Taiwo,Y.O.	Levine,J.D.
	Kappa- and delta opioids block sympathetically dependent hyperalgesia
	J Neurosci 11 (1991)928 – 32 (zit. Kabli & Cahill, 2007)
+Taiwo,Y.O.	Levine,J.D.
	Serotonin is a directly acting hyperalgesic agent in the rat
	Neurosci 48 (1992)485 – 90
+Tajerian,,M.	Alvarado,S., Millecamps,M., Dashwood,T., Anderson,K.M., Haglund,I., Ouellet,J., Szyf,M., Stone,L.S.
	DNA methylation of SPARC and chronic low back pain
	Mol Pain 7 (2011)65
+Tajerian,M.	Clark,J.D.
	The role of the extracellular matrix in chronic pain following injury
	Pain 156 (2015)366 - 70
+Tajerian,M.	Leu,D., Zou,Y., Sahbaie,P., Li,W., Khan,H., Hsu,V., Kingery,W., Huang,T.T., Becerra,L., Clark,J.D.
	Brain neuroplastic changes accompany anxiety and memory deficits in a model of complex regional pain syndrome
	Anesthesiol 121 (2014)852 - 65
+Takada,T.	Nishida,K., Doita,M., Kurosaka,M.
	Fas ligand exists on intervertebral disc cells : a potential molecular mechanism for immune privilege of the disc
	Spine 27 (2002)1526 – 30
+Takahashi,H.	Sugoru,T., Okazima,Y., Motegi,M., Okada,Y.,
	Inflammatory cytokines in the herniated disc of the lumbar spine
	Spine 21 (1996)218 – 24

-Takahashi,I. -n-

Kikuchi,S., Sato,K., Iwabuchi,M.

Effects of the mechanical load on forward bending motion of the trunk: comparison between patients with motion-induced intermittent low back pain and healthy subjects

Spine 32 (2007)E 73 – 78

+Takahashi,K.

Inoue,S., Takada,S., Nishiyama,H., Mimura,M., Wada,Y.

Experimental study on chemonucleolysis. With special reference to the change of intradiscal pressure

Spine 11 (1986)617 – 20

+Takahashi,K.

Kageshika,K., Takino,T., Matsui,T., Miyazaki,T., Shima,I.

Changes in epidural pressure during walking in patients with lumbar spinal canal stenosis

Spine 20 (1995)2746 – 9

+Takahashi,M.

Haro,H., Wakabayashi,Y.,Kawa-uchi,T., Komori,H., Shinomiya,K.

The association of degeneration of the intervertebral disc with 5a/6a polymorphism in the promoter of the human matrix metalloproteinase-3 gene

J Bone Joint Surg Br 83 (2001)491 – 5

+Takahashi,N.

Yabuki,S., Aoki,Y., Kikuchi,S.

Pathomechanisms of nerve root injury caused by disc herniation: an experimental study of mechanical compression and chemical irritation

Spine 28 (2003)435 – 41

+Takahashi,Y.

Chiba,T., Kurokawa,M., Aoki,Y., Takahashi,K., Yamagata,M.

Stereoscopic structure of sensory nerve fibers in the lumbar spine and related tissue

Spine 28 (2003)871 – 80

+Takahashi,Y.

Nakajima,Y., Sakamoto,T., Moriya,H., Tkahashi,K.

Capsaicin applied to rat intervertebral disc causes extravasation in the groin skin: a possible mechanism of referred pain of the intervertebral disc

Neurosci Lett 161 (1993)1 - 3

+Takala,E.P.

Viikari-Juntura,E.

Do functional tests predict low back pain?

Spine 25 (2000)2126 - 32

+Takasaki,H.

Takahiro,M.

The impact of continuous use of lumbosacral orthoses on trunk motor performance: a systemic review with meta-analysis

Spine J 17 (2017)889 - 900

+Takasu,K.

Ono,H., Tanabe,M.

Spinal hyperpolarisation-activated cyclic nucleotide-gated cation channels at primary afferent terminals contribute to chronic pain

Pain 151 (2010)87 - 96

+Takasu,M.A.

Dalva,M.B., Zigmond,R.E., Greenberg,M.E.

Modulation of NMDA receptor-dependent calcium influx and gene expression through EphB receptors

Science 295 (2002)491 – 5

+Takatalo,J.

Karppinen,J., Niinimäki,J., Taimela,S., Näyhä,S., Järvelin,M.R., Kyllönen,E., Tervonen,O.

Prevalence of degenerative imaging findings in lumbar magnetic resonance imaging among young adults

Spine 34 (2009)1716 - 21

+Takatalo,J.

Karppinen,J., Niinimäki,J., Taimela,S., Näyhä,S., Mutanen,P., Sequeiros,R.B., Kyllönen,E., Tervonen,O.

Does lumbar disc degeneration on magnetic resonance imaging associate with low back symptom severity in young Finnish adults?

Spine 36 (2011)2180 - 9

+Takatalo,J.

Karppinen,J., Niinimäki,J., Taimela,S., Mutanen,P., Sequeiros,R.B., Näyhä,S., Järvelin,M.I., Kyllönen,E., Tervonen,O.

Association of Modic changes, Schmorl's nodes, spondylolytic defect, high-intensity zone lesions, disc herniations, and

- radial tears with low back symptom severity among young Finnish adults
Spine 37 (2012)1231 - 9
- +Takayama,B. Sekiguchi,M., Yabuki,S., Fujita,I., Shimada,H., Kikuchi,S.I.
Gene expression changes in dorsal root ganglion of rat experimental lumbar disc herniation models
Spine 33 (2008)1829 – 35
- +Takayama,K. Nakamura,H., Matsuda,H.
Low back pain in patients treated surgically for scoliosis
Spine 34 (2009)2198 - 2204
- +Takebayashi,T. Cavanaugh,J.M., Ozaktay,A.C., Kallakuri,S., Chen,C.
Effect of nucleus pulposus on the neural activity of dorsal root ganglion
Spine 26 (2001)940 – 5
- +Takebayashi,T. Cavanaugh,J.M., Kallakuri,S., Chen,C., Yamashita,T.
Sympathetic afferent units from lumbar intervertebral discs
J Bone Joint Surg (Br) 88 (2006)554 – 7
- Takemitsu,Y. Harada,Y., Iwahara,T. et al.
Lumbar degenerative kyphosis: clinical, radiological and epidemiological studies
Spine 13 (1988)1317 – 26 (zit. Jang et al., 2007)
- +Takeno,K. Kobayashi,S., Miyazaki,T., Shimada,S., Kubota,M., Meir,A., Urban,J., Baba,H.
Lidocain cytotoxicity to the zygoapophyseal joints in rabbits: changes in cell viability and proteoglycan metabolism in vitro
Spine 34 (2009)E945 -51
- +Takenobu,Y. Katsube,N., Marsala,M., Kondo,K.
Model of neuropathic intermittent claudication in the rat: methodology and applications
J Neurosci Methods 104 (2001)191 – 8
- +Takenouchi,T. Setoguchi,T., Yone,K., Komiya,S.

- Expression of apoptosis signal-regulating kinase 1 in mouse spinal cord under chronic mechanical compression: Possible involvement of the stress-activated mitogen-activated protein kinase pathways in spinal cord cell apoptosis
- Spine 33 (2008)1943 - 50
- +Takeshige,C., Sato,M.
- Comparisons of pain relief mechanisms between needling to the muscle, static magnetic field, external qigong and needling to the acupuncture point
- Acupunct Electrother Res 21 (1996)119 – 31
- +Takeshige,C. Sato,T., Komugi,H.
- Role of peri-aqueductal center gray in acupuncture analgesia
- Acupunct Electrother Res 5 (1980)323 – 37
- +Takeshige,C. Sato,T., Mera,T., Hisamitsu,T., Fang,J.
- Descending pain inhibitory system involved in acupuncture analgesia
- Brain Res Bull 29 (1992)617 – 32
- +Takeshige,C. Tsuchiya,M., Zhao,W., Guo,S.
- Analgesia produced by pituitary ACTH and dopaminergic transmission in the arcuate
- Brain Res Bull 26 (1991)779 – 88 (zit. Bäumlér & Irnich, 2017)
- Takeuchi,H. Kawaguchi,S., Ohwada,O., Kobayashi,H., Hayakawa,M. et al.
- Plasma neuropeptides in patients undergoing lumbar discectomy
- Spine 32 (2007)E 79 – 84
- +Takeuchi,H. Kawaguchi,S., Mizuno,S., Kirita,T., Takebayashi,T., Shimozawa,K., Torigoe,T., Sato,N., Yamashita,T.
- Gene expression profile of dorsal root ganglion in a lumbar radiculopathy model
- Spine 33 (2008)2483 - 8
- +Takeyachi,T. Konno,S., Otani,K., Yamauchi,K., Takahashi,I., Suzukamo,Y., Kikuchi,S.I.

- Correlation of low back pain with functional status, general health perception, social participation, subjective happiness, and patient satisfaction
- Spine 28 (2003)1461 – 7
- +Talbot,J.D. Editorial: Something about Mary
- Pain 139 (2008)241 - 2
- +Tallis,F. Eysenck,M., Mathews
- A questionnaire for the measurement of nonpathological worry
- Pers Individ Dif 13 (1992)161 – 8
- +Talmage,J. So why does my back hurt, doc? (Commentary)
- Spine J 10 (2010)73 – 5
- +Talmage,J. Commentary: The spine and vibration: whole lotta shaking on
- Spine J 13 (2013)437 - 8
- +Talmage,J. Commentary: A commentary on: Risk factors for nonorganic low back pain in patients with worker's compensation
- Spine J 14 (2014)1171 - 4
- +Tamai,H. Teraguchi,M., Hashizume,H., Oka,H., Cheung,J.P:Y., Samartzis,D., Muraki,S., Akune,T. und weitere 6 Autoren
- A prospective, 3-year longitudinal study of Modic changes of the lumbar spine in a population based cohort
- Spine 47 (2022)490 – 7
- doi.org/10.1097/BRS.0000000000004301
- (-)Tamartash,H. Bahrpeyma,F., Mokhtari,M.
- Comparative effect of lumbar myofascial release with electrotherapy on the elastic modulus of lumbar fascia and pain in patients with non-specific low back pain
- J Bodywork Movem Ther 27 (2021) in press;
- doi.org/10.1016/j.jbmt.2021.10.008
- +Tambeli,C.H. Levine,J.D., Gear,R.W.
- Centralization of noxious stimulus-induced analgesia (NSIA) is related to activity at inhibitory synapses in the spinal cord

- Pain 143 (2009)228 – 32
- +Tamcan,O. Mannion,A.F., Eisenring,C., Horisberger,B., Elfering,A., Müller,U.
- The course of chronic and recurrent low back pain in the general population
- Pain 150 (2010)451 - 7
- (+)Tamer,S. Öz,M., Ülger,Ö.,
- The effect of visceral osteopathic manual therapy applications on pain, quality of life and function in patients with chronic nonspecific low back pain
- J Back Musculoskel Rehabil 30 (2017)419 – 25
doi.org/10.3233/BMR-150424
- +Tampier,C. Drake,J.D.M., Callaghan,J.P., McGill,S.M.
- Progressive disc herniation: an investigation of the mechanism using radiologic, histochemical, and microscopic dissection techniques on a porcine model
- Spine 32 (2007)2869 - 74
- +Tan,A.M. Chang,Y.W., Zhao,P., Hains,B.C., Waxman,S.G.
- Rac 1-regulated dendritic spine remodeling contributes to neuropathic pain after peripheral nerve injury
- Exp Neurol 232 (2011b)222 – 33
- +Tan,A.M. Stambouliau,S., Ghang,Y.W., Zhao,P., Hains,A.B., Waxman,S.G., Hains,B.C.
- Neuropathic pain memory is maintained by Rac1-regulated dendritic spine remodeling after spinal cord injury
- J Neurosci 28 (2008)13173 – 83
- +Tan,G. Jensen,M.P., Robinson-Whelen,S., Thornby,J., Monga,T.N.
- Coping with chronic pain: a comparison of two measures
- Pain 90 (2001)127 – 33
- Tan,G. Jensen,M.P., Thornby,J.I., Shanti,B.F.
- Validation of the brief pain inventory for chronic nonmalignant pain

- J Pain 5 (2004)133-7 doi.org/10.1016/j.jpain.2003.12.005
- +Tan,G. Rintala,D.H., Jensen,M.P., Fukui,T., Smith,D., Williams,W.
A randomized controlled trial of hypnosis compared with biofeedback for adults with chronic low back pain
Eur J Pain 19 (2015)271 - 80
- +Tan,G. Teo,I., Anderson,K.O., Jensen,M.P.
Adaptative versus maladaptative coping and beliefs and their relation to chronic pain adjustment
Clin J Pain 27 (2011a)769 - 74
- +Tan,K.J. Moe,M.M., Vaithinathan,R., Wong,H.K.
Curve progression in idiopathic scoliosis: Follow-up study to skeletal maturity
Spine 34 (2009)697 - 700
- +Tan,P.H. Cheng,J.T., Kuo,C.H., Tseng,F.J., Chung,H.C. et al.
Preincisional subcutaneous infiltration of ketamine suppresses postoperative pain after circumcision surgery
Clin J Pain 23 (2007)214 – 8
- +Tan,P.H. Yu,S.W., Lin,V.C.H., Liu,C.C., Chien,C.F.C.
RNA interference-mediated gene silence of the NR1 subunit of the NMDA receptor by subcutaneous injection of vector-encoding short hairpin RNA reduces formalin-induced nociception in the rat
Pain 152 (2011)573 - 81
- +Tanaka,M. Nakahara,S., Inoue,H.
A pathologic study of discs in the elderly: separation between the cartilaginous endplate and the vertebral body.
Spine 18 (1993)1456 – 12
- Tanelian,D.L. MacIver,M.B.
Analgesic concentrations of lidocaine suppress tonic A-delta and C-fiber discharges produced by acute injury
Anesthesiology 74 (1991)934 – 6 (zit. Xiao et al., 2008)
- +Tang,N.K. Crane,C.

- Suicidality in chronic pain: A review of the prevalence, risk factors and psychological links
Psychol Med 26 (2006)575 – 86
- +Tang,N.K.Y. Goodchild,C.E., Hester,J., Salkovskis,P.M.
Mental defeat is linked to interference, distress and disability in chronic pain
Pain 149 (2010)547 - 554
- +Tang,N.K.Y. Salkovskis,P.M., Hanna,M.
Mental defeat in chronic pain: initial exploration of the concept
Clin J Pain 23 (2007)222 – 32
- +Tang,N.K.Y Salkovskis,P.M., Hodges,A., Wright,K.J., Hanna,M., Hester,J.
Effects of mood on pain responses and pain tolerance: an experimental study in chronic back pain patients
Pain 138 (2008)392 – 401
- (-)Tang,N.K.Y. Wright,K.J., Salkovskis,P.M.
Prevalence and correlates of clinical insomnia co-occurring with chronic back pain
J Sleep Res 16 (2007)85 - 95
- +Tang,S. Accumulation of advanced glycation end-products in intervertebral discs of type 2 diabetic rodents increases susceptibility to mechanical damage
Proceedings of the 29th annual meeting of the North American Spine Society
Spine J 14 (2014)11S: 85S
- Tang,S. Mo,Z., Zhang,R.
Acupuncture for lumbar disc herniation: A systemic review and meta-analysis
Acupunct Med (2018) doi.org/10.1136/acupmed-2016-011332 (zugriff 8.8.20)
- +Tang,X. Willardson,R., Coughlin,D., Alliston,T., Lotz,J.C.

	Pulsed electromagnetic fields (PEMF) inhibit matrix metalloproteinase-13 expression in human annulus fibrosus cells Proceedings of the 29th annual meeting of the North American Spine Society Spine J 14 (2014)11S: 167S
+Tanguay,F.	Labelle,H., Wang,Z., Joncas,J., de Guise,J.A., Mac-Thiong,J.M. Clinical significance of lumbosacral kyphosis in adolescent spondylolisthesis Spine 37 (2012)304 - 8
+Taniguchi,W.	Nakatsuka,T., Miyazaki,N., Yamada,H., Takeda,D., Fujita,T., Kumamoto,E., Yoshida,M. In vivo patch-clamp analysis of dopaminergic antinociceptive actions on substantia gelatinosa neurons in the spinal cord Pain 152 (2011)95 - 105
Tanne,J.	Paracetamol causes most liver failure in UK and US BMJ 332 (2006)628 (zit. AMK, 2007)
+Tansey,P.	Hip and low back pain in the presence of femoral anteversion. A case report Man Ther 20 (2015)206 - 11
Tansley,S.	Gu,N., Guzman,A.U., Cai,W., Wong,C., Lister,K.C., Munoz-Pino,E., ..., Khoutorsky,A. und weitere 16 Autoren Microglia-mediated degradation of perineuronal nets promotes pain Science 377 (2022)80 – 6 doi.org/10.1126/science.abl6773
Tao,F. et al.	Differential roles of neuronal and endothelial nitric oxide synthases during carrageenan-induced inflammatory hyperalgesia Neurosci 128 (2004)421 – 30 (zit. Boettger et al., 2007)
+Tardif,H.	Allingham,S.F., Rahman,M., Daly,A. Patterns of patient outcomes following specialist pain management in Australasia: a latent class analysis using the electronic Persistent Pain Outcomes Collaboration database

	Pain 164 (2023)967 – 76 doi.org/10.1097/j.pain.0000000000002799
+Targowska-Duda,K.M.	Peters,D., Marcus.J.L., Zribi,G., Toll,L., Ozawa,A. Functional and anatomical analyses of active spinal circuits in a mouse model of chronic pain Pain 165 (2024)685 – 97 doi.org/10.1097/j.pain.0000000000003068
+Tarukado,K.	Ono,T., Tono,O., Tanaka,H., Ikuta,K., Harimaya,K., Doi,T. Does Modic changes progress with age? Spine 42 (2017)1805 - 9
Task Force	on Principles for Economic Analysis of Health Care Technology Economic analysis of health care technology. A report on principles. Ann Intern Med 123 (1995)61 – 70 (zit. Johnson, 2005)
+ Task Force	on the Low Back Pain Clinical Practice Guidelines siehe Snow,R.J.
+Tate,S.	Derjean,D., Rugiero,F. Nav(1.8)igating the maze of sensory function (Commentarry) Pain 153 (2012)1985 - 6
+Tatsumi,S.	Mabuchi,T., Katano,T., Matsamura,S., Abe,T., Hidaka,H., Suzuki,M., Sasaki,Y., Minami,T., Ito,S. Involvement of Rho-kinase in inflammatory and neuropathic pain through phosphorylation of myristoylated alanine-rich C-kinase substrate (MARKS) Neurosci 131 (2005) 491 – 8
+Tavafian,S.S.	Jamshidi,A.R., Montazeri,A. A randomized study of back school in women with chronic back pain: quality of life at three, six and twelve month follow up Spine 33 (2008)1617 – 21
+Tavafian,S.S.	Jamshidi,A.R., Mohammad,K. Treatment of low back pain. A randomized clinical trial comparing multidisciplinary group-based rehabilitation

- program and oral drug treatment with oral drug treatment alone
- Clin J Pain 27 (2011)811 - 8
- +Tavernarakis,N. Shreffler,W., Wang,S., Driscoll,M.
- unc-8, a DEG/ENaC family member, encodes a subunit of a candidate mechanically gated channel that modulates C. elegans locomotion
- Neuron 18 (1997)107 – 19
- +Taylor,A.M.W. Becker,S., Schweinhardt,P., Cahill,C.
- Mesolimbic dopamine signaling in acute and chronic pain: implication for motivation, analgesia and addiction
- Pain 157 (2016)1194 - 8
- +Taylor,B.K. Abhyankar,S.S., Vo,N.T.T., Kriedt,C.L., Churi,S.B., Urban,J.H.
- Neuropeptide Y acts at Y1 receptors in the rostral ventral medulla to inhibit neuropathic pain
- Pain 131 (2007)83 - 95
- +Taylor,C.P. Mechanisms of analgesia by gabapentin and pregabalin – calcium channel alpha-2 – delta ligands
- Pain 142 (2009)13 – 6
- +Taylor,C.S. Coxon,A.J., Watson,P.C., Greenough,C.G.
- Do L5 and S1 nerve root compressions produce radicular pain in a dermatomal pattern?
- Spine 38 (2013a)995 - 8
- +Taylor,J.B. Goode,A.P., George,S.Z., Cook,C.E.
- Incidence and risk factors for first-time incident low back pain: a systematic review and meta-analysis
- Spine J 14 (2014b)2299 - 2319
- +Taylor,J.L. Butler,J.E., Gandevia,S.C.
- Changes in muscle afferents, motoneurons and motor drive in during muscle fatigue
- Eur J Appl Physiol 83 (2000)106 – 15
- Taylor,L. Howie,G.R.

	Evaluation of outcome following lumbar discectomie
	N Z Med J 109 (1996)398 – 400 (zit. Rohan et al., 2009)
+Taylor,N.E.	Long,H., Pei,J.Z., kukutla,P., Phero,A., Hadaegh,F., Abdelnabi,A., Solt,K., Brenner,G.J.
	The rostromedial tegmental nucleus: a key modulator of pain and opioid analgesia
	Pain 160 (2019)2524 - 34
+Taylor,N.F.	Dodd,K.J., Damiano,D.L.
	Progressive resistance exercise in physical therapy: a summary of systemic reviews
	Phys Ther 85 (2005)1208 – 23
+Taylor,P.	Pezzulo,L., Grant,S.J., Bensoussan,A.
	Cost-effectiveness of acupuncture for chronic nonspecific low back pain
	Pain Pract 14 (2014a)599 - 606
+Taylor,R., Jr.	Gan,T.J., Raffa,R.B., Gharibo,C., Pappagallo,M., Sinclair,N.R., Fleischer,C., Tabor,A.
	A randomized, double-blind comparison shows the addition of oxygenated glycerol triesters to topical mentholated cream for the treatment of acute musculoskeletal pain demonstrates incremental benefit over time
	Pain Pract 12 (2012)610 - 9
+Taylor,R.J.	Taylor,R.S.
	Spinal cord stimulation for failed back surgery syndrome: a decision-analytic model and cost-effectiveness analysis
	Int J Technol Assess Health Care 21 (2005)351 – 8
+Taylor,R.K.	N-acylethanolamine acid amidase (NAAA), a new path to unleash PPAR-mediated analgesia (Commentary)
	Pain 154 (2013)326 - 7
Taylor,R.S.	Epidemiology of refractory neuropathic pain
	Pain Practice 6 (2006)22 – 6

- +Taylor,R.S. Spinal cord stimulation in complex regional pain syndrome and refractory neuropathic back and leg pain/ failed back surgery syndrome: results of a systematic review and metaanalysis
J Pain Symptom Manage 31 (2006a)513 - 9
- +Taylor,R.S. Desai,M.J., Rigoard,P., Taylor,R.J.
Predictors of pain relief following spinal cord stimulation in chronic back and leg pain and failed back surgery syndrome: a systematic review and meta-regression analysis
Pain Pract 14 (2014)489 - 505
- +Taylor,R.S. van Buyten,J.P., Buchser,E.
Spinal cord stimulation for chronic back and leg pain and failed back surgery syndrome: a systemic review and analysis of prognostic factors
Spine 30 (2005)152 – 60
- +Taylor-Stokes,G. Lobosco,S., Pike,J., Sadoski,A.B., Ross,E
Relationship between patient-recorded low back pain severity and medication resources
Clin Ther 33 (2011)1739 – 48
- +Teasdale,N. Simoneau,M.
Attentional demands for postural control: the effects of aging and sensory reintegration
Gait Posture 14 (2001)203 – 10
- +Tegeder,I. Adolph,J., Schmidt,H., Woolf,C.J., Geisslinger,G., Lötsch,J.
Reduced hyperalgesia in homozygous carriers of a GTP cyclohydrolase 1 haplotype
Eur J Pain 12 (2008)1069 - 77
- +Tegeder,I. Costigan,M., Griffin,R.S., Abele,A., Belfer,I., Schmidt,H. und weitere 20 Autoren
GTP cyclohydrolase and tetrahydrobiopterin regulate pain sensitivity and persistence
Nat Med. 12 (2006)1269 – 77
- +Tegeder,I. Lotsch,J.

- Current evidence for a modulation of low back pain by human genetic variants
- J Cell Mol Med 13 (2009)1605 – 19
- +Tegner,H. Frederiksen,P., Esbensen,B.A., Juhl,C.
- Neurophysiological pain education for patients with chronic low back pain. A systematic review and meta-analysis
- Clin J Pain 34 (2018)778 - 86
- Teichtahl,A.J. Finnin,A.J., Wang,Y., Wluka,A.E., Urquhart,D.M., O’Sullivan,A.D., Jones,G., Cicuttini,F.M.
- The natural history of modic changes in a community based cohort
- Joint Bone Spine J 84 (2017)197-202
doi.org/10.1016/j.jbspin.2016.03.011
- +Teichtahl,A.J. Urquhart,D.M., Wang,Y., Wluka,A.E., Wijethilake,P., O’Sullivan,R., Cicuttini,F.M.
- Fat infiltration of paraspinal muscles is associated with low back pain, disability, and structural abnormalities in community-based adults
- Spine J 15 (2015)1593 - 1601
- +Teitz,C.C. O’Kane,J., Lindt,B.K., Hannafin,J.A.
- Back pain in intercollegiate rowers
- Am J Sports Med 30 (2002)674 – 9
- Tekari,A. Chan,S.C.W., Sakai,D., Grad,S., Gantenbein,B.
- Angiopoietin-1 receptor Tie2 distinguishes multipotent differentiation capability in bovine coccygeal nucleus pulposus cells
- Stem Cell Res Ther 7 (2016):75
- +Tekin,I. Mirzai,H., Ok,G., Erbuyun,K., Vatansever,D.
- A comparison of conventional and pulsed radiofrequency denervation in the treatment of chronic facet joint pain
- Clin J Pain 23 (2007)524 – 9
- +Tekur,P. Singphow,C., Nagendra,H.R., Raghuram,N.,

- Effect of short-term intensive yoga program on pain, functional disability and spinal flexibility in chronic low back pain: a randomized controlled study
- J Altern Complement Med 14 (2008)637 – 44
- +Teles,A.R. Ocaý,D.D., Bin Shebreen,A., Tice,A., Saran,N., Ouellet,J.A., Ferland,C.E.
- Evidence of impaired pain modulation in adolescents with idiopathic scoliosis and chronic back pain
- Spine J 19 (2019)677 - 86
- +Telleria-Diaz,A. Schmidt,M., Kreusch,S., Neubert,A.K., Schache,F., Vazquez,E., Schaible,H.G., Ebersberger,A.
- Spinal antinociceptive effects of cyclooxygenase inhibition during inflammation: Involvements of prostaglandins and Endocannabinoids
- Pain 148 (2010)26 - 35
- +Telles,S. Joshi,M., Dash,M., Raghuraj,P., Naveen,K.V., Nagendra,H.R.
- An evaluation of the ability to voluntarily reduce the heart rate after one month of yoga practice
- Integr Physiol Behav Sci 39 (2004)119 – 25
- +Telli,H. Hünér,B., Kuru,Ö.
- Determination of the prevalence from clinical diagnosis of sacroiliac joint dysfunction in patients with lumbar disc hernia and an evaluation of the effect of this combination on pain and quality of life
- Spine 45 (2020)549 - 54
- +ten Brinke,A. van der Aa,H.E., van der Palen,J., Oosterveld,F.
- Is leg length discrepancy associated with the side of radiating pain in patients with a lumbar herniated disc?
- Spine 24 (1999)684 – 6
- +Tender,G.C. Li,Y.Y., Cui,J.G.
- Vanilloid receptor 1 – positive neurons mediate thermal hyperalgesia and tactile allodynia
- Spine J 8 (2008)351 – 8

+Tender,G.C.

Li,Y.Y., Cui,J.G.

Brain-derived neurotrophic factor redistribution in the dorsal root ganglia correlates with neuropathic pain inhibition after resiniferatoxin treatment

Spine J 10 (2010)715 - 20

Teodorczyk-Injeyan,J.A.

Injeyan,S.H., Ruegg,R.

Spinal manipulation therapy reduces inflammatory cytokines but not substance P production in normal subjects

J Manipul Physiol Ther 29 (2006)14 – 21
doi.org/10.1016/j.jmpt.2005.10.002

+Teodorczyk-Injeyan,J.A.

McGregor,M., Triano,J.J., Injeyan,S.H.

Elevated production of nociceptive CC chemokines and sE-selectin in patients with low back pain and the effects of spinal manipulation. A nonrandomized clinical trial

Clin J Pain 34 (2018)68 - 75

+Teodorczyk-Injeyan,J.A.

Triano,J.J., Injeyan,S.H.

Nonspecific low back pain. Inflammatory profiles of patients with acute and chronic pain

Clin J Pain 23 (2019)818 - 25

+Teodorczyk-Injeyan,J.A.

Triano,J.J., Gringmuth,R., DeGraauw,C., Chow,A., Injeyan,S.H.

Effects of spinal manipulative therapy on inflammatory mediators in patients with non-specific low back pain: a non-randomized controlled clinical trial

Chiropr Man Ther 29 (2021)3 doi.org/10.1186/s12998-020-00357-y

+TePorten,B.A.

The piriformis muscle

J Am Osteopath Assoc 69 (1969)150 – 60

+Teraguchi,M.

Prevalence and distribution of intervertebral disc degeneration over the entire spine in a population-based cohort: the Wakayama Spine Study

Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Louisiana, October 9 – 12, 2013;

Spine J 13 (2013) Suppl 9S:83S

- +Teraguchi,M. Cheung,J.P.Y., Karppinen,J., Bow,C., Hashizume,H., Luk,K.D.K., Cheung,K.M.C., Samartzis,D.
Lumbar high-intensity zones on MRI: imaging biomarkers for severe, prolonged low back pain and sciatica in a population-based cohort
Spine J 20 (2020)1025 - 34
- +Teraguchi,M. Yoshimura,N., Hashizume,H., Muraki,S., Yamada,H., Oka,H., Minamide,A., Nakagawa,H. und weitere 8 Autoren
The association of combination of disc de generation, end plate signal change, and Schmorl node with low back pain in a large population study: the Wkayama Spine Study
Spine J 15 (2015)622 - 8
- +Terayama,R Dubner,R., Ren,K.
The roles of NMDA-receptor activation and nucleus gigantocellularis in the time-dependent changes in descending inhibition after inflammation
Pain 97 (2002)171 – 81
- +Terjesen,T. Benum,P., Rossvoll,J., Svenningsen,S., Floystad Isern,A.E., Nordbo,T.
Leg-lenth discrepancy measured by ultrasonography
Acta Orthop Scand 62 (1991)121 – 4
- +Terlinden,R. Ossig,J., Fliegert,F., Lange,C., Göhler,K.
Absorbtion, metabolism, and excretion of 14-C – labeled Tapentadol HCL in healthy male subjects
Eur J Drug Metab Pharmacokin 32 (2007)163 - 9
- +Terret,A.C. Vernon,H.
Manipulation and pain tolerance. A controlled study of the effect of spinal manipulation on paraspinal cutaneous pain tolerance levels
Am J Phys Med 63 (1984)217 – 25
- Terrier,J.C. Betrachtungen zur manipulativen Wirbelsäulentherapie
In: Wirbelsäule in Forschung und Praxis, Bd. 26, Hippokrates, Stuttgart (1963)62 – 7 (zit Lewit, 2007)

- +Terry,E.L. del Ventura,J.L., Bartley,E.J., Vincent,A.L., Rhudy,J.L.
Emotional modulation of pain and spinal nociception in persons with major depressive disorder
Pain 154 (2013)2759 - 68
- +Terry,E.L. Kerr,K.L., del Ventura,J.L., Rhudy,J.L.
Anxiety sensitivity does not enhance pain signaling at the spinal level
Clin J Pain 28 (2012)505 - 10
- +Terry,E.L. Thompson,K.A., Rhudy,J.L.
Experimental reduction of pain catastrophizing modulates pain report but not spinal nociception as verified by mediation analyses
Pain 156 (2015)1477 - 88
- +Terry,E.L. Thompson,K.A., Rhudy,J.L.
Does pain catastrophizing contribute to threat-evoked amplification of pain and spinal nociception?
Pain 157 (2016)456 - 65
- +Tertti,M. Paajanen,H., Kujala,U.M., Alanen,A., Salmi,T.T., Kormano,M.,
Disc degeneration in young gymnasts. A magnetic resonance imaging study
Am J Sports Med 18 (1990)206 – 8
- +Tesarz,J. Die Fascia thoracolumbalis als potenzielle Ursache für Rückenschmerzen: anatomische Grundlagen und klinische Aspekte
Osteopath Med 11 (2010)1: 28 – 34
- +Tesarz,J. Eich,W., Treede,R.D., Gerhardt,A.
Altered pressure pain thresholds and increased wind-up in adult patients with chronic back pain with a history of childhood maltreatment: a quantitative sensory testing study
Pain 157 (2016a)1799 - 1809
- +Tesarz,J. Gerhardt,J., Eich,W.

- Einfluss frühkindlicher Stresserfahrungen und traumatisierender Lebensereignisse auf das Schmerzempfinden
- Schmerz 32 (2018)243 - 9
- +Tesarz,J. Gerhardt,A., Hartmann,A., Kohlmann,T., Eich,W.
- The course of the spatial extent of pain in nonspecific chronic back pain. A prospective population-based cohort study with clinical evaluation
- Clin J Pain 32 (2016)580 - 7
- +Tesarz,J. Gerhardt,A., Leisner,S., Janke,S., Treede,R.D., Eich,W.
- Distinct quantitative sensory testing profiles in nonspecific chronic back pain subjects with and without psychological trauma
- Pain 156 (2015)577 - 86
- +Tesarz,J. Gerhardt,A., Schommer,K., Treede,R.D., Eich,W.
- Alterations in endogenous pain modulation in endurance athletes: an experimental study using quantitative sensory testing and the cold pressure task
- Pain 154 (2013)1022 - 9
- +Tesarz,J. Gerhardt,A., Treede,R.D., Eich,W.
- Schmerzwahrnehmung bei Sportlern. Besonderheiten in der Schmerzverarbeitung bei Sportlern im Vergleich zu Nichtsportlern
- Schmerz 28 (2014)184 - 7
- Tesarz,J. Hoheisel,U., Wiedenhöfer,B., Mense,S.
- Sensory innervation of the thoracolumbar fascia in rats and humans
- Neuroscience 194 (2011)302-8 (zit. Graven-Nielsen, 2022)
- +Tesarz,J. Schuster,A.K., Hartmann,M., Gerhardt,A., Eich,W.
- Pain perception in athletes compared to normally active controls: A systematic review with meta-analysis
- Pain 153 (2012)1253 - 62

- +Tesch,P.A. Skeletal muscle adaptations consequent to long-term heavy resistance exercise
Med Sci Sports Exerc 20 (1988)S132 – 4
- Testut,L. Latarjet,A.
Trattato di anatomia umana, ed. 5, Torino, UTET, 1972 (zit Rucco et al., 1996)
- +Teutsch,S. Herken,W., Bingel,U., Schoell,E., May,A.
Changes in brain grey matter due to repetitive painful stimulation
Neuroimage 42 (2008)845 - 9
- +Teychenne,M. Lamb,K.E., Main,L., Miller,C., Hahne,A., Ford,J., Rosenbaum,S., Belavy,D.
General strength and conditioning versus motor control with manual therapy for improving depressive symptoms in chronic low back pain: a randomized feasibility trail
Plos One 14 (2019)e0220442
doi.org/10.1371/journal.pone.0220442
- +Teyhen,D.S. Gill,N.W., Whittaker,J.L., Henry,S.M., Hides,J.A., Hodges,P.
Rehabilitative ultrasound imaging of the abdominal muscles
J Orthop Sports Phys Ther 37 (2007)450 – 66
- +Teyssandier,M.J. Zur Häufigkeit von Zwischenfällen nach Wirbelsäulenmanipulationen in Frankreich und anderen Ländern
Manuelle Med 45 (2007)261 – 4
- Thanka,H. Gaskins,D., Shallcross,A., Rothberg,M., Hu.B., Guo,N., Roseen,E.J., ..., Saper,R. und 7 weitere Autoren
Effectiveness of virtual yoga for chronic low back pain: A randomized clinical trial
JAMA Netw Open 7 (2024)e2442339
doi.org/10.1001.2024.42339
- +Theriault,G. Lachance,P.
Golf injuries: an overview
Sports Med 26 (1998)43 - 57

- +Thieme,K. Karotispulsstimulation bei Fibromyalgiepatienten
Schmerzmed 28 (2012)3: 6 - 7
- Thornton,C. Baird,A., Sheffield,D.
Athletes and experimental pain: A systemic review and metaanalysis
J Pain 25 (2024)6: 104450
doi.org/10.1016/j.jpain.2023.12.007
- Thornton,J.S. Caneiro,J.P., Hartvigsen,J., Arden,C.L., Vinther,A., Wilkie,K., Trease,L., Ackenman,K.E., Dane,K., McDonnell,S.J.
Treating low back pain in athletes: a systematic review with meta-analysis
Br J Sports Med 55 (2021)12:656-62 (zit. Beyer et al., 2022)
- Threadgill,R. Bobb,K., Ghosh,A
Regulation of dendritic growth and remodelling by Rho, Rac and Cdc42
Neuron 19 (1997)625 – 34
- +Tick,H. Integrative pain medicine: a holistic model of care
IASP: Pain – Clin Updates XXII (2014)2 (May) 1 - 6
- +Tilkeridis,C. Bei,T., Garantziotis,S., Stratakis,C.A.
Association of a COL1A1 polymorphism with lumbar disc disease in young military recruits
J Mol Genet 42 (2005)e44
- +Tilscher,H. Eine Analyse von klinisch-manualmedizinischen Untersuchungstechniken am Bewegungsapparat
Manuelle Med 45 (2007)314 – 9
- +Tilscher,H. Infiltrationstherapie bei alternden Menschen. Triggerpunkte bei Rückenschmerz
Manuelle Med 49 (2011)424 - 8
- +Tilscher,H. Die Wirbelsäule der Frau
Manuelle Med 51 (2013)8 - 12
- +Tilscher,H. Techniken der klinisch-manualmedizinischen Untersuchungen

- Manuelle Med 52 (2014)19 - 22
- +Tilscher,H. Rückenschmerzen und kein Ende
- Manuelle Med 55 (2017)287 - 9
- +Tischer,H. Erkennung der pathogenetische Führungsstrukturen als Vorbedingung zur multimodalen Therapie
- Manuelle Med 58 (2020)276- 8
- +Tilscher,H. Graf,E.
- Blockierung versus Hypermobilität
- Manuelle Med 50 (2012)315 - 6
- +Tilscher,H. Hanna,M., Graf,E.
- Klinische und röntgenologische Befunde bei der Hypermobilität und Instabilität im Lendenwirbelsäulenbereich. Funktionsuntersuchung mit dem Springing-Test, simultane Röntgen-Dokumentation, Entwicklung einer LWS-Streß-Aufnahmetechnik, Lordose-Kyphose-Test
- Manuelle Med 32 (1994)1 – 7, Nachdruck Manuelle Med 50 (2012)307 - 14
- +Tilscher,H. Steinbrück,K.
- Symptomatik und manualmedizinische Befunde bei der Hypermobilität
- Orthop Praxis 16 (1980)100 - 3
- (+)Tjepkema-Cloostermans,M.C. de Vos,C.C., Wolters,R., Dijkstra-Scholten,C., Lenders,M.W.
- Effect of burst stimulation evaluated in patients familiar with spinal cord stimulation
- Neuromodulation 19 (2016)492 – 97 (Internetzugriff 14.7.17)
- +Thacker,M.A. Clark,A.K., Bishop,T., Grist,J., Yip,P.K., Moon,L.D.F., Thompson,S.W.N., Marchand,F., McMahon,S.B.
- CCL2 is a key mediator of microglia activation in neuropathic pain states
- Eur J Pain 13 (2009)263 - 72
- +Thali,A. Stern,S., Rothenbühler,B., Kraan,K., Christen,L., Augustiny,K.F.

Die Rolle psychosozialer Faktoren bei protrahierten und invalidisierenden Verläufen nach Traumatisierungen im unteren Wirbelsäulenbereich

In: Keel,P., Perini,C., Schütz-Petitjean,D. (Hrsg.):
Chronifizierung von Rückenschmerzen: Hintergründe,
Auswege. Schlussbericht des nationalen
Forschungsprogramms Nr. 26B; EULAR Verlag, Basel, 1996, S.
122 – 8

+Than,K.D.

Rahman,S.U., Wang,L., Khan,A., Kyere,K.A., Than,T.T.,
Miyata,Y., Park,Y.S., la Marca,F., Kim,H.M., Zhang,H., Park,P.,
Lin,C.Y.

Intradiscal injection of simvastatin results in radiologic,
histologic, and genetic evidence of disc regeneration in a rat
model of degenerative disc disease

Spine J 14 (2014)1017 - 28

+Thawani,J.P.

Wang,A.C., Than,K.D., Lin,C.Y., La Marca,F., Park,P.,

Bone morphogenetic proteins and cancer: review of the
literature

Neurosurgery 66 (2010)233 – 46

+Thelen,M.

Dancing to the tune of chemokines

Nat Immunol 2 (2001)129 - 34

+Thelen,T.

Rigal,J., Cogniet,A., Demezou,H., le Hueg,J.C.

Lumbar degenerative disc Modic1 and 2 are not associated
with low grade infection : A prospective study by anterior
retroparietal approach

Proceedings of the 29th annual meeting of the North
American Spine Society

Spine J 14 (2014)11S: 8S

The Pain Society

A consensus statement prepared on behalf of the Pain
Society, the Royal College of Anaesthetists, the Royal College
of General Practitioners and the Royal College of
Psychiatrists. Recommendations for the appropriate use of
opioids for persistent non-cancer pain. London, The Pain
Society, 2004 (zit. Hojsted & Sjogren, 2007)

+Theodoridis,T.

Griebel,J., Krämer,J.

Physiotherapie von Kreuzschmerzen

- Nervenheilkunde 27 (2008)274 - 6
- Theroux,J. Stomski,N., Hodgetts,C.J.,Ballard,A., Khadra,C., Le May,S. et al.
- Prevalence of low back pain in adolescents with idiopathic scoliosis: a systematic review
- Chiropr Man Ther 25 (2017)10 doi.org/10.1186/s12998-017-0143-1 (zit. Teles et al., 2019)
- +Theroux,J. Stomski,N., Hodgetts,C.J., Leboeuf-Yde,C., Walker,B., le May,S., Labelle,H.
- Tracking low back pain in adolescent scoliosis: a prospective cohort study protocol
- Chiropract Manual Ther 25 (2017)22
- +Thibault,P. Loisel,P., Durand,M.J., Catchlove,R., Sullivan,M.J.L.
- Psychological predictors of pain expression and activity intolerance in chronic pain patients
- Pain 139 (2008)47 - 54
- +Thiel,M., Richter,M.
- Wie gesichert ist unser Wissen über ISG-Dysfunktionen und deren Auswirkungen auf die Körperstatik?
- Manuelle Med 47 (2009)52 - 6
- +Thiele,R. Chiropraktische Behandlung bei unteren Rückenschmerzen. Eine Übersichtsarbeit mittels randomisierter kontrollierter Studien
- Manuelle Med 59 (2021)108 – 16 doi.org/10.1007/s00337-021-00769 - 8
- +Thielke,S.M. Shortreed,S.M., Saunders,K., Turner,J.A., LeResche,L., von Korff,M.
- A prospective study of predictors of long-term opioid use among patients with chronic noncancer pain
- Clin J Pain 33 (2017)198 - 204
- +Thimineur,M.A. Kravitz,E., Vodapally,M.S.
- Intrathecal opioid treatment for chronic non malignant pain, a three year prospective study

- Pain 109 (2004)242 – 9
- +Thirukumaran,C.P. Raudenbush,B., Li,Y., Molinari,R., Rubery,P., Mesfin,A.
National trend in the surgical management of adult lumbar isthmic spondylolithesis: 1998 to 2011
Spine 41 (2016)490 - 501
- Thomas,B.P. Alleviating atypical tender points through the use of myofascial release of scar tissue
AAO J 17 (2007)2: 19 – 24
- +Thomas,E. The prevalence of pain and pain interference in a general population of older adults: cross sectional findings from the North Staffordshire Osteoarthritis Project (NorStOP)
Pain 110 (2004)361-8
- +Thomas,E. Silman,A.J., Croft,P.R., Papageorgiou,A.C., Jayson,M.I., Macfarlane,G.J.
Predicting who develops chronic low back pain in primary care: a prospective study
B Med J 318 (1999)1662 - 7
- +Thomas,J.S. Lavender,S.A., Corcos,D.M., Andersson,G.B.J.
Effect of lifting belts on trunk muscle activation during a suddenly applied load
Hum Factors 41 (1991)670 – 6
- Thomas,J.S. France,C.R., Lavender,S.A., Johnson,M.R.
Effects of fear of movement on spine velocity and acceleration after recovery from low back pain
Spine 33 (2008)564 - 70
- Thomas,J.S. France,C.R., Sha,D., van der Wiele,N., moenter,S., Swank,K.
The effect of chronic low back pain on trunc muscle activation in target reaching movements with various loads
Spine 32 (2007)E801 - 8
- Thomas,K.C. Fisher,C.G., Boyd,M., Bishop,P., Wing,P., Dvorak,M.F.
Outcome evaluation of surgical and nonsurgical management of lumbar disc protrusion causing radiculopathy

- Proc Int Soc Study Lumbar Spine, New York, May 13, 2005 (zit Fisher & Bishop, 2007)
- Thomas,K.C. Fisher,C.G., Boyd,M., Bishop,P., Wing,P., Dvorak,M.F.
- Outcome evaluation of surgical and nonsurgical management of lumbar disc protrusion causing radiculopathy
- Spine 32 (2007)1414 – 22
- +Thomas,K.J. Nicholl,J.P., Coleman,P.
- Use and expenditure on complementary medicine in England: a population based survey
- Complement Ther Med 9 (2001)2 – 11
- +Thome,C. Börm,W., Meyer,F.
- Die degenerative lumbale Spinalkanalstenose: Aktuelle Strategien in Diagnostik und Therapie
- Dt Ärztebl 105 (2008)373 - 80
- +Thompson,C.M. Wojno,H., Greiner,E., May,E.L.; Rice,K.C., Selley,D.E.
- Activations of G-proteins by morphine and codeine congeners: insight to relevance of O- and D- demethylated metabolites at my- and delta-opioid receptors
- J Pharmakol Exp Ther 308 (2004)547 – 54
- +Thompson,J.P. Pearce,R.H., Schechter,M.T., Adams,M.E., Tsang,I.K.Y., Bishop,P.B.
- Preliminary evaluation of a scheme for grading the gross morphology of the human intervertebral disc
- Spine 15 (1990)411 – 5
- +Thompson,J.P. Oegema,T.R., Bradford,D.S.
- Stimulation of mature canine intervertebral disc by growth factor
- Spine 16 (1991)253 – 60
- +Thompson,J.W. Bower,S., Tyrer,S.P.
- A double blind randomised controlled clinical trial on the effect of transcutaneous spinal electroanalgesia (TSE) on low back pain

- Eur J Pain 12 (2008)371 – 7
- +Thompson,S.J. Pitcher,M.H., Stone,L.S., Tarum,F., Niu,G., Chen,X., Kieseewetter,D.O., Schweinhardt,P., Bushnell,M.C.
- Chronic neuropathic pain reduces opioid receptor availability with associated anhedonia in rat
- Pain 159 (2018)1856 - 66
- +Thompson,S.W. Bennet,D.L.H., Kerr,E.J., Bradbury,E.J., McMahon,S.B.
- Brain-derived neurotrophic factor is an endogenous modulator of nociceptive responses in the spinal cord
- Proc Natl Acad Sci USA 96 (1999)7714 – 18
- +Thompson,S.W. Dray,A., McCarson,K.E., Krause,J.E., Urban,L.
- Nerve growth factor induces mechanical allodynia associated with novel A fibre-evoked spinal reflex activity and enhanced neurokinin-1-receptor activation in the rat
- Pain 62 (1995)219 -31
- +Thompson,S.W. Woolf,C.J., Sivilotti,L.G.
- Small-caliber afferent inputs produce a heterosynaptic facilitation of the synaptic responses evoked by primary afferent A-fibers in the neonatal ratspinal cord in vitro
- J Neurophysiol 69 (1993)2116 – 28
- +Thompson,T. Keogh,E., French,C.C., Davis,R.
- Anxiety sensitivity and pain: generalisability across noxious stimuli
- Pain 134 (2008a)187 - 96
- +Thomson,L.M. Zeng,J., Terman,G.W.
- Differential effects of glutamate transporter inhibition on EPSCs in the morphine naïve and morphine tolerant neonatal spinal cord slice
- Neurosci Lett 407 (2007)64 – 9
- Thomson,O.P. Collyer,K.
- “Talking a different language”: a qualitative study of chronic low back pain patients’ interpretation of the language used by student osteopaths

	Int J Osteop Med (2017) http://www.journalofosteopathicmedicine.com/article/S1746-0689(16)30044-X/fulltext
Thomson,O.P.	MacMillan,A. What's wrong with osteopathy? Int J Osteopath Med (2023) online 23.2.2023 doi.org/10.1016/j.ijosm.2023.100659
(-)Thongprasert,C.	Kanlayanaphotporn,R. Abnormal performance of cervical stabilizer muscles in individuals with low back pain J Man Manipulat Ther (2018) online 24.12.2018, doi.org/10.1080/10669817.2018.1560946
Thoren,P.	Floras, J.S., Hoffmann,P., Seaals,D.R. Endorphins and exercise: physiological mechanisms and clinical implications Med Sci Sports Exerc 22 (1990)417 - 28
+Thorn,B.E.	Burns,J.W. Common and specific treatment mechanisms in psychological pain interventions: The need for a new research agenda (commentary) Pain 152 (2011)705 – 6
+Thorn,B.E.	Day,M.A., Burns,J., Kuhhajda,M.C., Gaskins,S.W., Sweeney,K., McConley,R., Ward,C., Cabbil,C. Randomized trial of group cognitive behavioral therapy compared with a pain education control for low-literacy rural people with chronic pain Pain 2710 - 20
+Thorn,B.E.	Ward,L.C., Sullivan,M.J.L., Boothby,J.L. Editorial: communal coping model of catastrophising: conceptual model building Pain 106 (2003)1 – 2
+Thorne,F.M.	Morley,S.

	Prospective judgments of acceptable outcomes for pain, interference and activity: patient-determined outcome criteria
	Pain 144 (2009)262 - 9
-Threadgill,R.	Bobb,K., Ghosh,A.
	Regulation of dendritic growth and remodelling by Rho, Rac and Cdc42
	Neuron 19 (1997)625 – 34 (zit. Ohsawa et al., 2008)
Thümmel,J.	Kontraindikation für manuelle und osteopathische Therapie aus psychosomatischer Sicht
	Manuelle Med. 45 (2007)170 -4
+Tian,W.	Lv,Y., Liu,Y., Xiao,B., Han,X.H.
	The high prevalence of symptomatic degenerative lumbar osteoarthritis in Chinese adults
	Spine 39 (2014)1301 - 10
+Tian,Y.	Wang,S., Ma,Y., Lim,G., Kim,H., Mao,J.
	Leptin enhances NMDA-induced spinal excitation in rats: A functional link between adipokine and neuropathic pain
	Pain 152 (2011)1263 - 71
+Tichy,J.	Anatomische Grundlagen zur Dehnung der am Coccygis inserierenden Muskeln
	Manuelle Med 29 (1991)35 – 6
+Tiel,R.L.	Kline,D.G.
	Piriformis syndrome
	J Neurosurg Spine 5 (2006)102 – 4
+Tiemann,L.	May,E.S., Postorino,M., Schulz,E., Nickel,M.M., Bingel,U., Ploner,M.
	Differential neurophysiological correlates of bottom-up and top-down modulation of pain
	Pain 156 (2015)289 - 96
+Tilbrook,H.E.	Cox,H., Hewitt,C.E., Kang’ombe,A.R., Chuang,L.H., Jayakody,S., Aplin,J.D., Semlyen,A. und weiteren 3 Autoren

- Yoga for chronic low back pain: a randomized trial
Ann Intern Med 155 (2011)569 – 78
- +Tillu,D.V. Gebhart,G.F., Slua,K.A.
Descending facilitatory pathways from RVM initiate and maintain bilateral hyperalgesia after muscle insult
Pain 136 (2008)331 – 9
- +Tillu,D.V. Hassler,S.N., Burgos-Vega,C.C., Quinn,T.L., Sorge,R.E., Dussor,G., Boitano,S., Vagner,J., Price,T.J.
Protease-activated receptor 2 activation is sufficient to induce the transition to a chronic pain state
Pain 156 (2015)859 - 67
- +Timka,S. Petersson,I.F., Englund,M.
The grade in physical education in adolescence as predictor for musculoskeletal pain three decades later
Pain 150 (2010)414 - 9
- +Timm,K.E. A randomized-control study of active and passive treatments for chronic low back pain following L 5 laminectomy
J Orthop Sports Phys Ther 20 (1994)276 – 86
- +Timmann,D. Belting,C., Schwarz,M., Diener,H.C.
Influence of visual and somatosensory input on leg EMG responses in dynamic posturography in normals.
Electroencephalogr Clin Neurophysiol 93 (1994)7 – 14 (zit. Nötzel et al., 2011)
- +Timmerman,L. Stellema,R., Stronks,D.I., Groeneweg,G., Huygen,F.J.P.M.
Adherence to pharmacological pain therapy in patients with nonmalignant pain: the role of patients' knowledge of pain medication
Pain Pract 14 (2014)701 - 8
- +Tinazzi,M. Fiaschi,A., Rosso,T., Faccioli,F., Grosslercher,J., Agliotti,S.M.
Neuroplastic changes related to pain occur at multiple levels of the human somatosensory system: A somatosensory-evoked potentials study in patients with cervical radicular pain

- J Neurosci 20 (2000)9277 – 83
- +Tiplt,A. Bäumler,P.I., Irnich,D.
Akupunktur und Schmerz – eine Historie in 3 Teilen. Teil 2:
der Weg der Akupunktur in die moderne Schmerztherapie
Dt Ztschr Akup 53 (2010)2: 22 - 8
- +Tiseo,P.J. Kivitz,A.J., Ervin,J.E., Ren,H., Mellis,S.J.
Fasinumab (REGN475), an antibody against nerve growth factor
for the treatment of pain: results from a double blind,
placebo controlled exploratory study in osteoarthritis of the
knee
Pain 155 (2014)1245 - 52
- +Tittel,K. Muskuläre und arthromuskuläre Dysbalancen – Pro und
Kontra. Funktionell-anatomische und sportmedizinische
Aspekte
Manuelle Med 52 (2014)101 - 6
- +Titze,C. Gajjar,H., Hasenbring,M.I.
Körperliche Aktivität und muskuloskeletale Schmerzen. Ein
Fokus-Review aus dem MiSpEx-Forschungsverbund
Schmerz 30 (2016)421 - 8
- +Toakley,J.G. Subcutaneous lumbar “rhizolysis” – an assessment of 200
cases
Med J Aust (1973)2: 490 – 2
- +Tobinick,E.L. Davoodivar,S.
Efficacy of etanercept delivered by perispinal administration
for chronic back pain and/or neck/disc related pain: a study
of clinical observations in 143 patients
Curr Med Res Opin 20 (2004)1075 – 85
- +Todd,A.J. Spike,R.C.
The localisation of classical transmitters and neuropeptides
within neurons of laminae I – III of the mammalian spinal
dorsal horn
Prog Neurobiol 41 (1993)609 – 45
- +Todd,A.J. Sullivan,A.C.

- Light microscopy study of the coexistence of GABA-like and glycine-like immunoreactivities in the spinal cord of the rat
J Comp Neurol 296 (1990)496 – 505
- +Tofte,J.N. CarlLee,T.L., Holte,A.J., Sitton,S.E., Weinstein,S.L.
Imaging pediatric spondylolysis. A systematic review
Spine 42 (2017)777 - 82
- +Toh,I. Chong,H.C., Liaw,J.S.C., Pua,Y.H.
Evaluation of the STarT back Screening Tool for prediction of low back pain intensity in an outpatient physical therapy setting
J Orthop Sports Phys Ther 47 (2017)261 – 7 (Internet 3.5.17)
- +Tölle,T.R. Treede,R.D., Zenz,M.
Langzeitanwendung von Opioiden bei nicht tumorbedingten Schmerzen (LONTS). Geben oder nicht geben, das ist hier nicht die Frage
Schmerz 23 (2009)437 - 9
- Tomaiuolo,F. Cerritelli,F., Delli Pizzi,S., Sestieri,C., Paolucci,T., Chiacchiaretta,P., Sensi,S.L., Ferretti,A.
Data-driven analysis of whole-brain intrinsic connectivity in patients with chronic low back pain undergoing osteopathic manipulative treatment
NeuroImage Clinical 43 (2024)103659
doi.org/10.1016/j.nicl.2024.103659
- Tombaugh,T.N. McIntyre,N.J.
The mini-mental state examination: a comprehensive review
J Am Ger Soc 40 (1992)922 – 35 (zit. Sjogren et al., 2005)
- +Tominaga,M. Caterina,M.J., Malmberg,A.B., Rosen,T.A., Gilbert,H., Skinner,K., Raumann,B.E., Basbaum,A.I., Julius,D.
The cloned capsaicin receptor integrates multiple pain-producing stimuli
Neuron 21 (1998)531 – 43
- +Tomkins-Lane,C.C. Lafave,L.M.Z., Parnell,J.A., Rempel,J., Moriarty,S., Andreas,Y., Wilson,P.M., Hepler,C., Ray,H.A., Hu,R.

- The spinal stenosis pedometer and nutrition lifestyle intervention (SSPANLI): development and pilot
Spine J 15 (2015)577 - 86
- +Tommerdahl,M. Favorov,O., Whitsel,B. Nakhle,B., Gonchar,Y.A.
Minicolumnae activation pattern in cat and monkey S1 cortex
Cereb Cortex 3 (1993)399 – 411
- +Tommerdahl,M. Favorov,O., Whitsel,B.
Dynamic representations of the somatosensoric cortex
Neurosci Biobehav Rev 34 (2010)160 – 70
- +Tonello,R. Anderson,W.B., Davidson,S., Escriou,V., Yang,L., Schmidt,B.L.,
Imlach,W.L., Bunnett,N.W.
The contribution of endocytosis to sensitisation of
nociceptors and synaptic transmission in nociceptive circuits
Pain 164 (2023)1355 – 74
doi.org/10.1097/j.pain.0000000000002826
- +Tong,H.C. Geisser,M.E., Ignaczak,A.P.
Ability of early response to predict discharge outcomes with
physical therapy for chronic low back pain
Pain Practice 6 (2006)167 – 70
- Tong,M.H. Mousavi,S.J., Kiers,H., Ferreira,P., Refshauge,K., van Dieen,J.
Is there a relationship between lumbar proprioception and
low back pain?A systemativ review with meta-analysis.
Arch Phys Med Rehabil 98 (2017)120 – 36
doi.org/10.1016/j.apmr.2016.05.016
- +Topham,L. Gregoire,S., Kang,H.M., Salmon-Divon,M., Lax,E.,
Millecamps,M., Szyf,M., Stone,L.
The transition from acute to chronic pain: dynamic epigenetic
reprogramming of the mouse prefrontal cortex up to 1 year
after nerve injury
Pain 161 (2020)2394 - 2409
- Torebjörg,H.E. et al. Functional properties of human cutaneous nociceptors and
their role in pain and hyperalgesia

Efficiency and costs of medical exercise therapy, conventional physiotherapy and self-exercise in patients with chronic low

back pain. A pragmatic, randomized, single-blinded, controlled trial with 1-year follow-up Spine 23 (1998)2616 – 24

+Torstensson,T.

Lindgren,A., Kristiansson,P.

Corticosteroid injection treatment to the ischiadic spine reduced pain in women with long-lasting sacral low back pain with onset during the pregnancy

Spine 34 (2009)2254 - 8

+Torta,D.M.E.

van den Broeke,E.N., Filbrich,L., Jacob,B., Lambert,J., Mouraux,A.

Intense pain influences the cortical processing of visual stimuli projected onto the sensitized skin

Pain 158 (2017)691 - 7

+Tosteson,A.N.A.

Lurie,J.D., Tosteson,T.D., Skinner,J.S., Herkowitz,H., Albert,T., Boden,S.D., Bridwell,K., Longley,M., Andersson,G.B., Blood,E.A., Grove,M.R., Weinstein,J.N.

Surgical treatment of spinal stenosis with and without degenerative spondylolisthesis: cost-effectiveness after 2 years

Ann Intern Med 149 (2008a)845 – 53

+Tosteson,A.N.A.

Skinner,J.S., Tosteson,T.D., Lurie,J.D., Andersson,G.B., Berven,S., Grove,M.R., Hanscom,B., Blood,E.A., Weinstein,J.N.

The cost-effectiveness of surgical versus nonoperative treatment for lumbar disc herniation over two years

Spine 33 (2008)2108 – 15

+Tosteson,A.N.A.

Tosteson,T.D., Lurie,J.D., Abdu,W., Herkowitz,H., Andersson,G., Albert,T., Bridwell,K., Zhao,W., Grove,M.R., Weinstein,M.C., Weinstein,J.N.

Comparative effectiveness evidence from the spine patient outcomes research trial

Spine 36 (2011)2061 - 8

Toth,C.C.

Willies,D., Twiss,J.L., Walsh,S., Martinez,J.A., Liu,W.Q., Midha,R., Zochodne,D.W.

	Locally synthesized calcitonin gene-related peptide has a critical role in peripheral nerve regeneration
	J Neuropathol Exp Neurol 68 (2009)326 – 37 (zit. Gale et al. 2022)
Toussaint,H.M.	de Winter,A.F., de Haas,Y., de Looze,M.P., van Dieen,J.H., Kingma,I.
	Flexion relaxation during lifting: implications for torque production by muscle activity and tissue strain at the lumbosacral joint
	J Biomech 28 (1995)199 – 210 (zit. Callaghan & Dunk, 2002)
Tough,E.A.	Variability of criteria used to diagnose myofascial trigger point pain syndrome – evidence from a review of the literature
	Clin J Pain 23 (2007)278 – 86
+Toussignant-Laflamme,Y.	Longtin,C., Brismee,J.M.
	How radiological findings can help or hinder patients' recovery in the management of patients with low back pain: what can physicians do?
	J Man Manipulat Ther 25 (2017)63 -5
+Toussignant-Laflamme,Y.	Martel,M.O., Joshi,A.B., Cook,C.E.
	Rehabilitation management of low back pain – it's time to pull it all together
	Dovepress (2017a)2373 – 85, publ.3.10.2017, doi.org/10.2147/JPR.S146485
+Touzani,O.	Boutin,H., Chuquet,J., Rothwell,N.
	Potential mechanisms of interleukin-1 involvement in cerebral ischaemia
	J Neuroimmunol 100 (1999)203 – 15
Towhead,T.E. et al.	Acetaminophen for osteoarthritis
	Cochrane Database Syst Rev 2005, CD004257 (zit. AMK, 2007)
Towne,E.B.	Reichert,F.L.
	Compression of the lumbosacral roots of the spinal cord by thickened ligamenta flava

- Ann Surg 94 (1931)327 – 36 (zit. Kosaka et al., 2007)
- +Townsend,C.O. Kerkvliet,J.L., Bruce,B.K., Rome,J.D., Hooten,W.M., Luedtke,C.A., Hodgson,J.E.
- A longitudinal study of the efficacy of a comprehensive pain rehabilitation program with opioid withdrawal: Comparison of treatment outcome based on opioid status at admission
- Pain 140 (2008)177 – 89
- +Toyone,T. Ozawa,T., Kamikawa,K., Watanabe,A., Matsuki,K., Yamashita,T., Wada,Y.
- Facet joint orientation difference between cephalad and caudad portions. A possible cause of degenerative Spondylolisthesis
- Spine 34 (2009)2259 - 62
- +Toyone,T. Takahashi,K., Kitahara,H., Yamagata,M., Murakami,M., Moriya,H.
- Vertebral bone-marrow changes in degenerative lumbar disc disease. A MRI study of 74 patients with low back pain
- J Bone Joint Surg Br 76 (1994)757 – 64
- +Tozzi,P. Selected fascial aspects of osteopathic practice
- J Bodywork Movem Ther 16 (2012)503 - 19
- +Tozzi,P. Bongiorno,D., Vitturini,C.
- Low back pain and kidney mobility: local osteopathic fascial manipulation decreases pain perception and improves renal mobility
- J Bodywork Movem Ther 16 (2012)381 - 91
- +Tozzi,P. Bongiorno,D., Vitturini,C.
- Fascial release effects on patients with non-specific cervical or lumbar pain
- J Bodywork Movement Ther 15 (2011)405 – 16
- +Trabold,O. Wagner,S., Wicke,C., Scheuenstuhl,H., Hussain,M.Z., Rosen,N., Seremetiev,A., Becker,H.D., Hunt,T.K.
- Lactate and oxygen constitute a fundamental regulatory mechanism in wound healing

- Wound Repair Regen 11 (2003)504 – 9 (im Internet eingesehen)
- +Tracey,I. Nociceptive processing in the human brain
Curr Opin Neurobiol 15 (2005)478 – 87
- +Tracey,I. Getting the pain you expect: mechanisms of placebo, nocebo and reappraisal effects in humans
Nat Med 16 (2010)1277 – 83
- Tracey,I. Bushnell,M.C.
How neuroimaging studies have challenged us to rethink: is chronic pain a disease?
J Pain 10 (2009)1113 – 20 (zit. Tu et al., 2019)
- +Tracey,I. Ploghaus,A., Gati,J.S., Clare,S., Smith,S., Menon,R.S., Matthews,P.M.
Imaging attentional modulation of pain in the periaqueductal gray in humans
J Neurosci 22 (2002)2748 – 52
- +Tramontano,M. Pagnotta,S., Lunghi,C., Manzo,C., Consolo,S., Manzo,V.
Assessment and management of somatic dysfunctions in patients with patellofemoral pain syndrome
J Am Osteo Ass 120 (2020)165-73
doi.org/10.7556/jaoa.2020.029
- +Tran,H. Feng,Y., Chao,D., Liu,Q.S., Hogan,Q.H., Pan,B.
Descending mechanism by which medial prefrontal cortex endocannabinoid signaling controls the development of neuropathic pain and neuronal activity of dorsal root ganglion
Pain 165 (2024)102 – 14
doi.org/10.1097/0000000000002992
- +Trapp,K. Glombiewski,J.A., Hartwich-Tersek,J., Rief,W.
Rentenbegehren und Therapie chronischer Rückenschmerzen. Die Relevanz sozialmedizinischer Variablen bei ambulanter psychotherapeutischer Behandlung
Schmerz 23 (2009)166 - 72

+Trautmann,N.	Hausenblas,N., Baumgärtner,U., Bleichhardt,G., Treede,R.-D.
	Untersuchung der sensorischen Schmerzkomponente und des Einflusses der Kontrollierbarkeit bei Gesunden und Patienten mit Major Depression
	Schmerz 21 (2007)Suppl., 9
Travell,J.G.	Rinzler,S.H.
	The myofascial genesis of pain
	Postgrad Med 11 (1952)425 – 34 (zit. Tough et al., 2007)
Travell,J.G.	Myofascial trigger points: clinical view
	In: Bonica,J.J., Albe-Fessard,D. (eds.): Advances in Pain Research and Therapy. Vol.1, New York: Raven press, 1976: 919 – 26 (zit. Tough et al., 2007)
Travell,J.G.	Simons,D.G.
	Myofascial Pain and Dysfunction. The Trigger Point Manual. Baltimore, Williams & Wilkins, 1983
Travell,J.G.	Simons,D.G.
	Myofascial Pain and Dysfunction. The Trigger Point Manual, Vol 2. Baltimore, Williams & Wilkins, 1992
+ Travell,J.G.	Simons,D.G.
	Handbuch der Muskel-Triggerpunkte. Obere Extremität, Kopf und Thorax
	Fischer, Stuttgart, 1998, 2. Auflage 2002
+Travell,J.G.	Simons,D.G.
	Handbuch der Muskel-Triggerpunkte. Untere Extremität
	Fischer, Stuttgart, 2000
+Traynelis,S.F.	Hartley,M., Heinemann,S.F.,
	Control of proton sensitivity of the NMDA receptor by RNA splicing and polyamines
	Science 268 (1995)873 – 6
Treede,R.D.	Die Schmerzmatrix – Bedeutung nozizeptiver Areale im parasyllischen Kortex
	Schmerz 21 (2007)Suppl., 13 – 4

- +Treede,R.D. Interactions between 2 subtypes of central sensitization in rats and humans: spinal long-term potentiation and breinstem controls
- Pain 165 (2024)1899 – 1900
doi.org/10.1097/j.pain.0000000000003167
- +Treede,R.D. Apkarian,A.V., Bromm,B., Greenspan,J.D., Lenz,F.A Cortical representation of pain: functional characterisation of nozizeptive areas near the lateral sulcus
- Pain 87 (2000)113 – 9
- +Treede,R.D. Hoheisel,U., Wang,D., Magerl,W.
- Central sensitization: clinical utility of a physiological concept for the International Statistical Classification of Diseases and Related Health problems and for nociplastic pain
- Pain 163 (2022)Suppl.1: S99 – S107
doi.org/10.1097/j.pain.0000000000002740
- +Treede,R.D. Jahnel,U., Schäfer,M., Baron,R.
- Chronische Schmerzen nozizeptiv und neuropathisch
- Symposium auf dem Deutschen Schmerzkongress, Berlin 8.10.2009, veranstaltet von der Grünenthal GmbH, Aachen
- Dt Apothekerz 149 (2009)4996 - 7
- +Treede,R.D. Jensen,T.S., Campbell,J.N., Gruccu,G., Dostrovsky,J.O., Griffin,J.W. et al.
- Neuropathic pain: redefinition and a grading system for clinical and research purposes
- Neurology 70 (2008)1630 – 5
- +Treede,R.D. Kenshalo,D.R., Gracely,R.H., Jones,A.K.P.
- The cortical representation of pain
- Pain 79 (1999)105 – 11
- +Treede,R.D. Lankers,J., Frieling,A., Zangemeister,W.H., Kunze,K., Bromm,B.
- Cerebral potentials evoked by painful, laser stimuli in patients with syringomyelia
- Brain 114 (1991)1595 – 604

- +Treede,R.D. Lenz,F.A.
- Passing lanes and slow lanes into nociceptive network of the human brain
- Pain 123 (2006)223 – 5
- +Treede,R.D. Magerl,W.
- Modern concepts of pain and hyperalgesia: beyond the polymodal C-nociceptor
- News Physiol Sci 10 (1995)216 – 28
- +Treede,R.D. Meyer,R.A., Campbell,J.N.
- Myelinated mechanically insensitive afferents from monkey hair skin: heat-response properties
- J Neurophysiol 80 (1998)1082 – 93
- Treede,R.D. Rief,W., Barke,A., Aziz,Q., Bennett,M.I., Benoliel,R., Cohen,M., Evers,S. und weitere 14 Autoren
- A classification for chronic pain for ICD-11
- Pain 156 (2015)1003 – 7
- doi.org/10.1097/j.pain.0000000000000160
- +Treede,R.D. Rief,W., Barke,A., Aziz,Q., Bennett,M.I., Benoliel,R., Cohen,M., Evers,S. und weitere 15 Autoren
- Chronic pain as a symptom for a disease: the IASP Classification of Chronic Pain for the International Classification of Diseases (ICD-11)
- Pain 160 (2019)19 - 27
- +Treede,R.D. Zenz,M.
- Langzeitanwendung von Opioiden bei chronischen nicht-tumotbedingten Schmerzen (LONTS 2). Dringend notwendige neue Leitlinie
- Schmerz 29 (2015)5 - 7
- +Tremont-Lukats,J.W. Challapalli,V., McNicol,E.D., Lau,J., Carr,D.B.
- Systemic administration of local anesthetics to relief neuropathic pain: a systematic review and meta-analysis
- Anesth Analg 101 (2005)1738 – 49

- +Trentman,T.L. Cornidez,E.G., Wilshusen,L.L., Chang,Y.H.H., Seamans,D.P.,
Rosenfeld,D.M., Freeman,J.A., Chien,J.J.
- Patient satisfaction in an academic pain clinic
- Pain Pract 13 (2013)372 - 9
- +Trentman,T.L. Rosenfeld,D.M., Seamans,D.P., Hentz,J.G., Stanek,J.P.
- Vasovagal reaktionen and other complications of cervical vs.
lumbar translaminar epidural steroid injections
- Pain Practice 9 (2009)59 - 64
- +Trescot,A.M: Helm,S., Hansen,H., Benyamin,R., Glaser,S.E., Adlaka,R.,
Patel,S., Manchikanti,L.
- Opioids in the management of chronic non-cancer pain: an
update of American Society of the Interventional Pain
Physicians' (ASIPP) guidelines
- Pain Physician 11 (2008)S5 – S 62
- Triano,J.J. Schultz,A.S.
- Correlation of objective measure of trunk motion and muscle
function with low-back disability ratings
- Spine 12 (1993)561 – 5 (zit. Renkawitz et al., 2006)
- +Triano,J.J. McGregor,M, Hondras,M.A., Brennan,P.C.
- Manipulative therapie versus education programs in chronic
low back pain
- Spine 20 (1995)948 – 55
- +Trimmer,J.S. Cooperman,S.S., Tomiko,S.A., Zhou,J.Y., Crean,S.M.,
Boyle,M.B., Kallen,R.G., Sheng,Z., Barchi,R.L., Sigworth,F.J.,
Goodman,R.H., Agnew,W.S., Mandel,G.
- Primary structure and functional expression of a mammalian
skeletal muscle sodium channel
- Neuron 3 (1989)33 – 49
- + Trimmer,J.S. Rhodes,K.J.
- Localisation of voltage-gated ion channels in mammalian
brain
- Ann Rev Physiol 66 (2004)477 – 519

- +Trinderup,J.S. Fisker,A., Juhl,C.B., Petersen,T.
Fear avoidance beliefs as a predictor for long term sick leave, disability and pain in patients with chronic low back pain
BMC Musculoskel Disord 19 (2018)431
doi.org/10.1186/s12891-018-2351-9
- +Trinh,K. Cui,X., Wang,Y.J.
Chinese herbal medicine for chronic neck pain due to cervical degenerative disease
Spine 35 (2010)2121 - 7
- Tritilanunt,T. Wajnavisit,W.
The efficacy of aerobic exercise and health education Program for treatment of chronic low back pain
J Med Assoc Thai 84 (2001)Suppl. 2: S 528 – 33
- +Trobisch,P. Suess,O., Schwab,F.
Die idiopathische Skoliose
Dt Ärztebl 107 (2010)875 - 84
- +Trommsdorf,M. Gotthardt,M., Hiesberger,T. Shelton,J., Stockinger,W., Nimpf,J., Hammer,R.E., Richardson,J.A., Herz,J.
Reeler/Disabled-like disruption of neuronal migration in knockout mice lacking the VLDL receptor and ApoE receptor 2
Cell 97 (1999)689 – 701
- +Trompeter,K. Fett,D., Brüggemann,G.P., Platen,P.
Prevalence of back pain in elite athletes
Dtsch Z Sportmed 69 (2018)240 - 6
- +Trompeter,K. Fett,D., Platen,P.
Back pain in rowers: a cross-sectional study on prevalence, pain characteristics and risc factors
Sportverl Sportschad 33 (2019)51 - 9
- +Tronnier,V. Baron,R., Birklein,F., Eckert,S., Harke,H., Horstkotte,D., Hügler,P., Hüppe,M., Kniesel,B., Maier,C., Schütze,G., Thoma,R., Treede,R.D., Vadokas,V.

- Epidurale Rückenmarkstimulation zur Therapie chronischer Schmerzen. Zusammenfassung der S3-Leitlinie
Schmerz 25 (2011)484 - 92
- +Tronnier,V. Richter,H.P., Winkelmüller,W.
Entwicklung der epiduralen Rückenmarkstimulation. 40 Jahre seit der Erstimplantation in Deutschland
Schmerz 27 (2013)401 - 8
- +Trost,Z. France,C.R., Thomas,J.S.
Exposure to movement in chronic back pain: Evidence of successful generalisation across a reaching task
Pain 137 (2008)26 - 33
- +Trost,Z. France,C.R., Thomas,J.S.
Examination of the photograph series of daily activities (PHODA) scale in chronic low back pain patients with high and low kinesiophobia
Pain 141 (2009)276 - 82
- +Trost,Z. France,C.R., Thomas,J.S.
Pain-related fear and avoidance of physical exertion following delayed-onset muscle soreness
Pain 152 (2011)1540 – 7
- +Trost,Z.S. Sullivan,E.M., Vervoort,T., Avery,A.R., Afari,N.
Heritability of pain catastrophizing and associations with experimentally pain outcomes: a twin study
Pain 156 (2015)514 - 26
- +Trost,Z. Vangronsveld,K., Linton,S.J., Quartana,P.J., Sullivan,M.J.L.
Cognitive dimensions of anger in chronic pain
Pain 153 (2012)515 - 7
- +Trotti,D. Aoki,M., Pasinelli,P., Berger,U.V., Danbolt,N.C., Brown Jr,R.H., Hediger,M.A.
Amyotrophic lateral sclerosis-linked glutamate transporter mutant has impaired glutamate clearance capacity
J Biol Chem 276 (2001)576 – 82

- +Trotti,D. Volterra,A., Lehre,K.P., Rossi,D., Gjesdal,O., Racagni,G., Danbolt,N.C.
- Arachidonic acid inhibits a purified and reconstituted glutamate transporter directly from the water phase and not via the phospholipid membrane
- J Biol Chem 270 (1995)9890 – 5
- +Troup,J. Driver's back pain and its prevention. A review of the postural, vibratory and muscular factors, together with the problem of transmitted road-shock
- Appl Ergon 9 (1978)207 – 14
- +Troup,J.P. Foreman,T.K., Baxter,C.E., Brown,D.
- The perception of back pain and the role of psychophysical tests of lifting capacity
- Spine 12 (1987)645 – 57
- +Truchon,M. Determinants of chronic disability related to low back pain: Towards an integrative biopsychosocial model
- Disabil Rehabil 23 (2001)758 – 98
- +Truchon,M. Cote,D., Fillion,L., Arsenault,B., Dionne,C.
- Low-back-pain related disability: An integration of psychological risk factors into the stress process model Pain 137 (2008)564 – 73
- +Truchon,M. Cote,D., Schmouth,M.E., Leblond,J., Fillion,L., Dionne,C.
- Validation of the stress process model predicting low back pain related long-term disability outcomes. A cohort study
- Spine 35 (2010)1307 - 15
- +Trudelle-Jackson,E. Sarvaiya-Shah,S.A., Wang,S.S.
- Interrater reliability of a movement impairment-based classification system for lumbar spine syndromes in patients with chronic low back pain
- J Orthop Sports Phys Ther 38 (2008)371 – 6
- +Truin,M. van Kleef,M., Verboeket,Y., Deumens,R., Honig,W., Joosten,E.A.J.
- The effect of spinal cord stimulation in mice with chronic neuropathic pain after partial ligation of the sciatic nerve

- Pain 145 (2009)312 - 8
- +Truini,A. Galeotti,F., Haanpaa,M., Zucchi,R., Albanesi,A., Biasiotta,A., Gatti,A., Cruccu,G.
- Pathophysiology of pain in postherpetic neuralgia: a clinical and neurophysiological study
- Pain 140 (2008)405 – 10
- +Truini,A. Padua,L., Biasiotta,A., Caliandro,P., Pazzaglia,C., Galeotti,F., Inghilleri,M., Cruccu,G.
- Differential involvement of A-delta and A-beta fibres in neuropathic pain related to carpal tunnel syndrome
- Pain 145 (2009)105 - 9
- +Trujillo,K.A. Akil,H.
- Inhibition of morphine tolerance and dependence by the NMDA receptor antagonist MK-801
- Science 251 (1991)85 – 7
- +Trujillo,K.A. Akil,H.
- Excitatory amino acids and drugs of abuse: a role of N-methyl-D-aspartate receptors in drug tolerance, sensitization and physical dependence
- Drug Alcohol Depend 38 (1995)139 – 54
- +Truumees,E. Commentary: Appropriate use of satisfaction scores in spine care
- Spine J 13 (2013)1013 - 6
- Tsai,T.T., Guttapalli,A., Oguz,E., Chen,L.H., Vaccaio,A.R. et al.
- Fibroblast growth factor-2 maintains the differentiation potential of nucleus pulposus cells in vitro
- Spine 32 (2007)495 – 502
- +Tsao,H. Danneels,L.A., Hodges,P.W.
- ISSLS prize winner: Smudging the motor brain in young adults with recurrent low back pain
- Spine 36 (2011)1721 – 7
- +Tsao,H. Druitt,T.R., Schollum,T.M., Hodges,P.W.

- Motor training of the lumbar paraspinal muscles induces immediate changes in motor coordination in patients with recurrent low back pain
- J Pain 11 (2010a)1120 – 8
- +Tsao,H. Galea,M.P., Hodges,P.W.
- Reorganisation of the motor cortex associated with postural control deficits in recurrent low back pain
- Brain 131 (2008)2161 – 71
- +Tsao,H. Galea,M.P., Hodges,P.W.
- Driving plasticity in the motor cortex in recurrent low back pain
- Eur J Pain 14 (2010b)832 – 9 (zit. Moseley, 2017)
- +Tsao,H. Hodges,P.W.
- Persistence of improvements in postural strategies following motor control training in people with recurrent low back pain
- J Electromyogr Kines 18 (2008)559 – 67
- +Tsao,H. Tucker,K.J., Coppieters,M.W., Hodges,P.W.
- Experimentally-induced low back pain from hypertonic saline injections into lumbar interspinous ligament and erector spinae muscle
- Pain 150 (2010)167 - 72
- +Tscholl,P.M. Der Einsatz von nicht-steroidalen Antirheumatika (NSAR) im Spitzensport
- Dt Zschr Sportmed 65 (2014)34 - 7
- +Tschopp,F.A. Henke,H., Petermann,J.B., Tobler,P.H., Janzer,R., Hokfelt,T., lundberg,J.M., Cuello,C., Fischer,J.A.
- Calcitonin gene related peptide and its binding sites in the human central nervous system and pituitary
- Proc Natl Acad Sci U.S.A. 82 (1985)248 – 52
- +Tseng,M.C. Lim,J, Chu,Y.C., Chen,C.W., Feng,C.K., Wang,J.L.
- Dynamic pressure stimulation upregulates collagen II and aggrecan in nucleus pulposus cells through calcium signalling

- Spine 47 (2022)1111-9
doi.org/10.1097/BRS.0000000000004286
- +Tsiang,J.T. Kinzy,T.G., Thompson,N., Tanenbaum,J.E., Thakore,N.I., Khalaf,T., Katzan,I.L.
Sensitivity and specificity of patient-entered red flags for lower back pain
Spine J 19 (2019)293 - 300
- +Tsouknidas,A. Sarigiannidis,S.O., Anagnostidis,K., Michailidis,N., Ahuja,S.
Assessment of stress patterns on a spinal motion segment in healthy versus osteoporotic bony models with or without disc degeneration : a finite element analysis
Spine J 15 (2015)Suppl.3: 17S – 22S
- +Tsuboi,H. Nishimura,Y., Sakata,T., Ohko,H., Tanina,H., Kouda,K., Nakamura,T., Umezu,Y., Tajima,F.
Age-related sex differences in erector spinae muscle endurance using surface electromyographic power spectral analysis in healthy humans
Spine J 13 (2013)1928 - 33
- +Tsuda,M. Inoue,K., Salter,M.W.
Neuropathic pain and spinal microglia: a big problem from molecules in “small” glia
Trend Neurosci 28 (2005)101 – 7
- +Tsuda,M. Kohro,Y., Yano,T., Tsujikawa,T., Kitano,J., Tozikai-Saito,H., Koyanagi,S., Ohdo,S., Ji,R.R., Salter,M.W., Inoue,K.
JAK-STAT pathway regulates spinal astrocyte proliferation and neuropathic pain maintenance in rats
Brain 134 (2011)1127 – 39
- +Tsuda,M. Mizokoshi,A., Shigemoto-Mogami,Y., Koizumi,S., Inoue,K.
Activation of p38 mitogen-activated protein-kinase in spinal hyperactive microglia contributes to pain hypersensitivity following peripheral nerve injury
Glia 45 (2004)89 – 95
- +Tsuda,M. Shigemoto-Mogami,Y., Koizumi,S., Mizokoshi,A., Kohsaka,S., Salter,M.W., Inoue,K.

- P2X4 receptors induced in spinal microglia gate tactile allodynia after nerve injury
- Nature 424 (2003)778 – 83
- +Tsuji,T. Inui,K., Kojima,S., Kakigi,R.
- Multiple pathways from noxious information in the human spinal cord
- Pain 123 (2006)322 – 31
- Tsuji,T. Chiba,K., Imabayashi,H., Fujita,Y., Hosogane,N., Okada,Y., Toyama,Y.
- Age-related changes in expression of tissue inhibitor of metalloproteinases-3 associated with transition from the notochordal nucleus pulposus to the fibrocartilaginous nucleus pulposus in the rabbit intervertebral disc
- Spine 32 (2007)849 - 56
- +Tsukaguchi,H. Tokui,T., Mackenzie,B., Berger,U.V., Chen,X.Z., Wang,Y., Brubaker,R.F., Hediger,M.A.
- A family of mammalian Na⁺-dependent L-ascorbic acid transporters
- Nature 399 (1999)70 – 5
- Tu,J.F. Shi,G.X., Yan,S.Y.
- Acupuncture versus sham-acupuncture for chronic sciatica from herniated disc. A randomized clinical trial
- JAMA Intern Med 184 (2024) 1417-24
doi.org/10.1001/jamainternmed.2024.5463
- +Tu,Y. Jung,M., Gollub,R.L., Napadow,V., Gerber,J., Ortiz,A., Lang,C., Mawla,I., Shen,W., Chan,S.T. und weitere 4 Autoren
- Abnormal medial prefrontal cortex functional connectivity and its association with clinical symptoms in chronic low back pain
- Pain 160 (2019)1308 - 18
- Tu,Y. Zhang,B., Cao,J., Wilson,G., Zhang,Z., Kong,J.
- Identifying interindividual differences in pain threshold using brain connectome: a test-retest reproducible study

- Neuroimage 202 (2019a)116049
doi.org/10.1016/j.neuroimage.2019.116049
- +Tubach,F. . Leclerc,A., Landre,M.F., Pietri-Taleb,F.
Risk factors for sick leave due to low back pain: a prospective study
J Occup Environ Med 45 (2002)451 – 8
- +Tubach,F. Beaute,J., Leclerc,A.
Natural history and prognostic indicators of sciatica
J Clin Epidemiol 57 (2004)174 – 9
- +Tucci,J. Carpenter,D., Pollock,M., Graves,J:, Legget,S.
Effect of reduced frequencyof training and detraining on lumbar extension strenght
Spine 17 (1992)1497 – 501
- Tucker,K. Butler,J., Graven-Nielsen,T., Riek,S., Hodges,P.
Motor unit recruitment strategies are altered during deep tissue pain
J Neurosci 29 (2009)10820 – 6 (zit. Hodges, 2014)
- +Tucker,K.J. Fels,M., Walker,S.B., Hodges,P.W.
Comparison of location, depth, quality, and intensity experimentally induced pain in 6 low back muscles
Clin J Pain 30 (2014)800 - 8
- +Tucker,K.J. Hodges,P.W.
Motoneurone recruitment is altered with pain induced in non-muscular tissue
Pain 141 (2009)151 – 5
- +Tucker,K. Larsson,A.K., Oknelid,S., Hodges,P.
Similiar alteration of motor unit recruitment strategies during the anticipation and experience of pain
Pain 153 (2012)636 - 43
- +Tugwell,P. Bombardier,C., Buchanan,W.W. Goldsmith,C.H., Grace,E., Hanna,B..

- The MACTAR Patient Preference Disability Questionnaire – an individualized functional priority approach in physical disability in clinical trials in rheumatoid arthritis
- J Rheumatol 14 (1987)446 – 51
- +Tullberg,T. Blomberg,S., Branth,B., Johnsson,R.
- Manipulation does not alter the position of the sacroiliacal joint: a roentgen stereophotogrammetric analysis
- Spine 23 (1998)1124 – 9
- +Tully,E.A. Wagh,P., Galea,M.P.
- Lumbofemoral rhythm during hip flexion in young adults and children
- Spine 27 (2002)E 432 – 40
- +Tunks,E. Belissimo,A.
- Coping with the coping concept – a brief comment
- Pain 34 (1988)171 – 4
- +Turk,D.C. Dworkin,R.H., Burke,L.B., Gershon,R., Rothman,M., Scott,J., Allen,R.R., Atkinson,J.H. und weitere 36 Autoren
- Core outcome domains for chronic pain clinical trials: IMMPACT recommendations
- Pain 106 (2003)337 – 45
- +Turk,D.C. Dworkin,R.H., Revicki,D., Harding,G., Burke,L.B., Cella,D., Cleeland,C.S., Cowan,P., Farrar,J.T., Hertz,S., Max,M.B., Rappaport,B.A.
- Identifying important outcome domains for chronic pain clinical trials: an IMMPACT survey of people with pain
- Pain 137 (2008)276 - 85
- Turk,D.C. Fernandez,E.
- Personality assessment and the Minnesota Multiphasic Personality Inventory in chronic pain: underdeveloped and overexposed
- Pain Forum 4 (1995)104 – 7 (zit Gatchel et al., 2006)
- Turk,D.C. Flor,H.

- The cognitive-behavioral approach to pain management
- In: McMahon,S.B., Koltzenburg,M., eds: Wall and Melzacks textbook of pain. 5th ed. London: Elsevier, Churchill Livingstone, 2006 (zit Gatchel & Rollings, 2008)
- Turk,D.C. Meichenbaum,D., Genest,M.
- Pain and behaviorial medicine. A cognitive-behaviorial perspective
- New York, The Guilford Press: 1983 (zit. Peebles & Moore, 2000)
- +Turk,D.C. Okifuji,A.
- Psychological factors in chronic pain: evolution and revolution
- J Consult Clin Psychol 70 (2002)678 – 90
- +Turk,D.C. Okifuji,A., Scharff,L.
- Chronic pain and depression: role of perceived impact and perceived control in different age cohorts
- Pain 61 (1995a)93 - 101
- Turk,D.C. Rudy,T.E.
- Toward an empirically derived taxonomy of chronic pain patients: integration of psychological assessment data
- J Consult Clin Psych 56 (1988)233 – 8
doi.org/10.1037/0022-006X.56.2.233
- +Turk,D.C. Swansson,K.S., Gatchel,R.J.
- Predicting opioid misuse by chronic pain patients: a systematic review and literature synthesis
- Clin J Pain 24 (2008)497 - 508
- Turk,D.C. Wilson,H.D.
- Pain, suffering, pain-related suffering – are these constructs inextricably linked? (editorial)
- Clin J Pain 25 (2009)335 - 5
- Turk,D.C. et al. Developing patient-reported outcome measures for pain clinical trials: IMMPACT recommendations

- Pain 125 (2006)208 – 15
- +Turner,J.A. Comparison of group progressive-relaxation training and cognitive-behavioural group treatment for chronic low back pain
J Consult Clin Psychol 50 (1982)757 – 65
- Turner,J.A. Educational and behavioral interventions for back pain in primary care
Spine 21 (1996)2851 – 7
- +Turner,J.A. Aaron,L.A.
Pain-related catastrophising: what is it?
Clin J Pain 17 (2001)65 – 71
- +Turner,J.A. Anderson,M.A., Balderson,B.A., Cook,A.J., Sherman,K.J., Cherkin,D.C.
Mindfulness-based stress reduction and cognitive behavioural therapy for chronic low back pain: similar effects on mindfulness, catastrophizing, self-efficacy, and acceptance in a randomized controlled trial
Pain 157 (2016)2434 - 44
- +Turner,J.A. Arendt-Nielsen,L.
Four decades later: what's new, what's not in our understanding of pain
Pain 161 (2020)1943 -4
- +Turner,J.A. Clancy,S.
Comparison of operant-behavioural and cognitive-behavioural group treatment for chronic low back pain
J Consult Clin Psychol 56 (1988)261 – 6
- +Turner,J.A. Clancy,S., McQuade,K.J., Cardenas,D.D.
Effectiveness of behavioural therapy for chronic low back pain: a component analysis
J Consult Clin Psychol 58 (1990)573 – 9
- +Turner,J.A. Comstock,B.A., Standaert,C.J., Heagerty,P.J., Jarvik,J.G., Deyo,R.A., Wasan,A.D., Nedeljkovic,S.S., Friedly,J.L.

- Can patient characteristics predict benefit from epidural corticosteroid injections for lumbar spinal stenosis symptoms?
- Spine J 15 (2015)2319 - 31
- +Turner,J.A. Franklin,G., Fulton-Kehoe,D., Sheppard,L.A., Stover,B., Wu,R., Gluck,J.V., Wickizer,T.M.
- ISSLS prize winner: early predictors of chronic work disability: a prospective, population based study of workers with back injuries
- Spine 33 (2008a)2809 - 18
- +Turner,J.A. Franklin,G., Turk,D.C.
- Predictors of chronic disability in injured workers: A systematic literature synthesis
- Am J Ind Med 38 (2000)707 – 22
- +Turner,J.A. Hollingworth,W., Cornstock,B.A., Deyo,R.A.
- Spinal cord stimulation for failed back surgery syndrome: Outcomes in a workers' compensation setting
- Pain 148 (2010)14 - 25
- Turner,J.A. Jensen,M.P.
- Efficacy of cognitive therapy for chronic low back pain
- Pain 52 (1993)169 – 77 (zit. van Tulder et al., 2006b)
- +Turner,J.A. Jensen,M.P., Romano,J.M.
- Do beliefs, coping and catastrophizing independently predict functioning in patients with chronic pain?
- Pain 85 (2000)115 – 25
- +Turner,J.A. Loeser,J.D., Deyo,R.A., Sanders,S.B.
- Spinal cord stimulation for patients with failed back surgery syndrome or complex regional pain syndrome: a systemic review of effectiveness and complications
- Pain 108 (2004)137 – 47
- +Turner,J.A. Loeser,J.D., Bell,K.G.

- Spinal cord stimulation for chronic low back pain: a systematic literature review synthesis
Neurosurgery 37 (1995)1088 – 96
- +Turner,J.A. Shortreed,S.M., Saunders,K.W., LeResche,L., Berlin,J.A., von Korff,M.
Optimizing prediction of back pain outcomes
Pain 154 (2013)1391 - 1401
- +Turner,J.A. Shortreed,S.M., Saunders,K.W., LeResche,L., von Korff,M.
Association of levels of opioid use with pain and activity interference among patients initiating chronic opioid therapy: a longitudinal study
Pain 157 (2016)849 - 57
- +Turner,J.A. Turk,D.C.
Editorial: The significance of clinical significance
Pain 137 (2008)467 - 8
- +Tutzschke,R. Anders,C., Borys,C., Nodop,S., Rößler,O., Strauß,B., Scholle,H.C.
Evaluation der Neuen Rückenschule. Muskulär-physiologische Merkmale
Schmerz 28 (2014)166 - 74
- +Tüzün,C. Yorulmaz,I., Cindas,A., Vatan,S.
Low back pain and posture
Clin Rheumatol 18 (1999)308 – 12
- +Tverskoy,M. Oren,M., Vaskovich,M., Dashkovsky,I., Kissin,I.
Ketamine enhances local anesthetic and analgetic effects of bupivacaine by peripheral mechanism: a study in postoperative patients
Neurosci Lett 215 (1996)5 – 8
- Tyler,J.A. Saklatvala,J.
Pig IL-1 (catabolin) induces resorption of cartilage proteoglycan and prevents synthesis of proteoglycan and collagen

- Br J Rheumatol 24 (1985) Suppl.1: 150 – 5 (zit. Verbruggen et al., 2007)
- +Tzschentke,T.M. Christoph,T., Schröder,W., Englberger,W., de Vry,J., Jahnel,U., Kögel,B.Y.
- Tapentadol: mit zwei Mechanismen in einem Molekül wirksam gegen nozizeptive und neuropathische Schmerzen. Praktinischer Überblick
- Schmerz 25 (2011)19 - 25
- +Tzschentke,T.M. De Vry,R., Terlinden,H.H., Hennies,C., Lange,W., Strassburger,M., Haurand,M., Kolb,J., Schneider,H., Buschmann,M., Finkam,U., Jahnel,U., Friderichs,E.
- Tapentadol hydrochloride
- Drugs Fut 31 (2006)1053 - 61
- Tzschentke,T.M. Schmidt,W.J.
- Functional relationship among medial prefrontal cortex, nucleus accumbens, and ventral tegmental area in locomotion and reward
- Crit Rev Neurobiol 14 (2000)131 – 42 (zit. Borsook et al., 2007)
- +Überall,M.A. Sicherheit und Verträglichkeit antipyretischer Analgetika – a never ending story
- Schmerzmedizin 28 (2012)2: 5 - 6
- +Überall,M.A. Mundipharma Pressegespräch: „Neue OXYNTA-Daten zu Targin[®]“ DGS-Kongress, Frankfurt/M, 3.3.2016
- Chronische Rückenschmerzen mit neuropathischer Komponente: OXYNTA-Daten: Überlegenheit von retardiertem Oxycodon/Naloxon im Vergleich zuTapentadol
- Praxis-Depesche 30 (2016)4: 43
- +Überall,M.A. Praxisleitfaden zu akuten Kreuz- und Rückenschmerzen. Mit Behandlungsalgorhithmus auf der Basis internationaler Leitlinien
- MMW – Fortschr Med 164 (2022)4: 12 – 14
<https://go.sn.pub/rWNC91>; doi.org/10.1007/s15006-022-0859-2
- +Überall,M.A. Dahmen,G., Baerwald,C., Müller-Schwefe,G.H.H.

Interdisziplinäres Positionspapier aus orthopädischer, rheumatologischer und schmerztherapeutischer Sicht: Differenzialtherapie degenerativer Gelenkerkrankungen mit entzündungshemmenden Analgetika

Therapiereport Aktuell Nr. 201 in MMW-Fortschritte Med 25/ 2008

Überall,M.A.

Müller-Schwefe,G.H.H., Horlemann,J.

Efficacy and tolerability of the antispasmodic, pridinol, in patients with muscle-pain – results of primepain, a retrospective analysis of open-label real-world data provided by the German pain e-registry

J Curr Med Res Opin 38 (2022)1203 – 17
doi.org/10.1080/03007995.2022.2077579

+Überall,M.A.

Müller-Schwefe,G.H.H., Nolte,T.

Red, orange, yellow, blue, black flags: Die Diagnostik des Rückenschmerzes ist vielfarbig

MMW – Fortschr Med 150 (2008a)No. 32 – 35: 31 - 4

+Überall,M.A.

Müller-Schwefe,G.H.H., Nolte,T.

So behandeln sie Rückenschmerzen richtig: Bloß kein Stillstand

MMW – Fortschr Med 150 (2008b)No. 32 – 35: 35 - 9

+Überall,M.A.

Müller-Schwefe,G.H.H., Nolte,T., Kletzko,H.

Das Projekt zur integrierten Versorgung Rückenschmerz – IVR

Scmerztherapie 25 (2009)4: 3 - 7

Überall,M.A.

Schikowski,A., Horlemann,J., Müller-Schwefe,G.H.H.

Effectiveness of the anti-spasmodic Pridinol vs. NSAIDs in patients with acute (low) back pain – results of providence, a retrospective, non-interventional propensity-score matched dual cohort analysis of depersonalised 4-week real world data provided by the German pain e – registry

Arch Phar Parmacol Res 4 (2024)2
doi.org/10.33552/APPR.2024.04.000582

+Udby,P.M.

Bendix, T., Ohrt-Nissen,S., Lassen,M.R., Sorensen,J.S., Brorson,S., Carreon,L.Y., Andersen,M.O.

- Modic changes are not associated with long-term pain and disability. A cohort study with 13-year follow-up
- Spine 44 (2019)1186 - 92
- +Udby,P.M. Ohrt-Nissen,S., Bendix,T., Paulsan, R., Stottrup,C., Andresen,A., Brorson,S., Carreon,L.Y., Andersen,M.O.
- Are Modic changes associated with health-related quality of life after discectomy. A study on 620 patients with two year follow-up
- Spine 45 (2020)1491 - 7
- +Ueda,H. Neyama,H., Nagai,J., Matsushita,Y., Tsukahara,T., Tsukahara,R.
- Involvement of lysophosphatidic acid-induced astrocyte activation underlying te maintenance of partial sciatic nerve injury-induced neuropathic pain
- Pain 159 (2018)2170 - 8
- +Ugawa,S Ueda,T., Yamamura,H., Shimada,S.
- In situ hybridisation evidence for the coexistence of ASIC and TRPV1 within rat single sensory neurons
- Mol Brain Res 136 (2005)125 – 33
- +Uhelski,M.L. Davis,M.A., Fuchs,P.N.
- Pain affect in the absence of pain sensation: Evidence of asomaesthesia following somatosensory cortex lesions in the rat
- Pain 153 (2012)885 - 92
- +Uhl,I. Krumova,E., Regeniter,S., Bär,K.J., Norta,C., Richter,H., Assion,H.J., Westermann,A., Juckel,G., Maier,C.
- Association between wind-up ratio and central serotonergic function in healthy subjects and depressed patients
- Neurosci Lett 504 (2011)176 – 80
- +Uhthoff,H. Prenatal development of the iliolumbar ligament
- J Bone Joint Surg Br 75 (1993)93 – 5
- +UK BEAM Trial Team United Kingdom back pain exercise and manipulation (UK BEAM) randomized trial: effectiveness of physical treatment for back pain in primary care

- BMJ 329 (2004)1377 - 81
- +Ulett,G.A. Han,S., Han,J.S.
- Electroacupuncture mechanisms and clinical application
- Biol Psychiatry 44 (1998)129 – 38
- +Ulibarri,J.A. Anderson,P.A., Escarcega,T., Mann,D., Noonan,K.J.
- Biomechanical and clinical evaluation of a novel technique for surgical repair of spondylosis in adolescents
- Spine 31 (2006)2067 -72
- Ulrich,C.G. Binet,E.F., Sanecki,M.G. et al.
- Quantitative assessment of the spinal canal by computed tomography
- Radiol 134 (1980)137 – 43 (zit. Kosaka et al., 2007)
- Ulrich,J.A. Liebenberg,E.C., Thuillier,D.U., Lotz,J.C.
- ISSLS prize winner: repeated disc injury causes persistent inflammation
- Spine 32 (2007)2812 – 9
- +Umana,I.C. Daniele,C.A., Miller,B.A., Abbun,C., Gallagher,K., Brown,M.A., Mason,P., McGehee,D.S.
- Nicotinic modulation of descending pain control circuitry
- Pain 158 (2017)1938 - 50
- Umeda,M. Kim,Y.
- Gender differences in the prevalence of chronic pain and leisure time physical activity among US adults: a NHANES study
- Int J Environ Res Public Health 16 (2019)988
doi.org/10.3390/ijerph16060988
- +Umehara,K. Shimokawa,Y., Miyamoto,M.
- Inhibition of human drug metabolizing cytochrome P450 by buprenorphine
- Biol Pharm Bull 25 (2002)682 – 5
- +Umehara,S. Zindrick,M.R., Patwardhan,A.G., Havey,R.M., Vrbos,L.A., Knight,G.W., Miyano,S., Kirincic,M., Kaneda,K., Lorenz,M.A.

- The biomechanical effect of postoperative hyperlordosis in instrumented lumbar fusion on instrumented and adjacent spinal segments
- Spine 25 (2000)1617 – 24
- +Umimura,T. Miyagi,M., Ishikawa,T., Kamoda,H., Wakai,K., Sakuma,T., Sakai,R. und weitere 18 Autoren
- Spine 37 (2012)557 - 62
- (-)Ünal,M. Evcik,E., Kocatürk,M., Alguna,Z.C.
- Investigating the effects of myofascial induction therapy techniques on pain, function and quality of life in patients with chronic low back pain
- J Bodywork Mov Ther (2020) online 31.7.2020, doi.org/10.1016/j.jbmt.2020.07.014
- +Underwood,M.R. Morgan,J.
- The use of a back class teaching extension exercises in the treatment of acute low back pain in primary care
- Fam Pract 15 (1998)9 – 15
- United States Congress H.R., I: Social security amendments for 1972.
- Washington,D.C., US Government Printing Office; 1972
- +Unruh,A.M. Gender variations in clinical pain experience
- Pain 65 (1996)123 – 67
- +Upledger,J.E. Vredevoogd,J.D.
- Lehrbuch der Kraniosakral-Therapie
- Karl F. Haug, Heidelberg, 1991
- +Uprety,Y. Lacasse,A., Asselin,H.
- Traditional uses of medicinal plants from the Canadian boreal forest for the management of chronic pain syndromes
- Pain Pract 16 (2016)459 - 66
- +Urano,T. Narusawa,K., Shiraki,M., Usui,T., Sasaki,N., Hosoi,T., Ouchi,Y., Nakamura,T., Inoue,S.

- Association of a single nucleotide polymorphism in the insuline-like growth factor-1 receptor gene with spinal disc degeneration in postmenopausal Japanese women
- Spine 33 (2008)1256 - 61
- +Urano,T. Shiraki,M., Narusawa,K., Usui,T, Sasaki,N. et al.
- Q89R Polymorphism in the LDL receptor-related protein 5 gene is associated with spinal osteoarthritis in postmenopausal Japanese women
- Spine 32 (2007)25 – 29
- +Urban,M.O. Ren,K., Sablad,M., Park,K.T.
- Medullary N-type and P/Q-type calcium channels contribute to neuropathy-induced allodynia
- Neuroreport 16 (2005)563 – 6
- +Urban,J.P.. Holm,S., Maroudas,A.
- Diffusion of small solutes into the intervertebral disc: an in vivo study
- Biorheology 15 (1978)203 – 21
- +Urban,J.P.. Holm,S., Maroudas,A., Nachemson,A.
- Nutrition of the intervertebral disc: effect of fluid flow on solute transport
- Clin Orthop 170 (1982)296 – 302
- Urban,J.P.G. Holm,S.H.
- Intervertebral disc nutrition as related to spinal movements and fusion
- In: Hargens,A.R. ed. Tissue Nutrition and Viability; New York, Springer – Verlag, 1986,p. 101 – 19 (zit. Wognum et al., 2006)
- +Urban,J.P. McMullin,J.F.
- Swelling pressure of the lumbar intervertebral disc: Influence of age, spinal level, composition, and degeneration
- Spine 13 (1988)179 – 87
- Urban,J.P.G. Roberts,S.
- Degeneration of intervertebral discs

- Arthritis Res Ther 5 (2003)120 – 30 (zit. Wognum et al., 2006)
- +Urban,J.P. Smith,S., Fairbank,J.C.T.
Nutrition of the intervertebral disc
Spine 29 (2004)2700 – 9
- +Urban,M.O. Hama,A.T., Bradbury,M., Anderson,J., Varney,M.A., Bristow,L.
Role of metabotropic glutamate receptor subtype 5 (mGluR5)
in the maintenance of cold hypertensitivity following a
peripheral mononeuropathy in the rat
Neuropharmacology 44 (2003)983 – 93
- +Urban,M.O. Zahn,P.K., Gebhart,G.F.
Descending facilitatory influences from the rostral medial
medulla mediate secondary, but not primary hyperalgesia in
the rat
Neurosci 90 (1999)349 – 52
- +Urquhart,D.M. Hodges,P.W., Story,I.H.
Postural activity of the abdominal muscles varies between
regions of these muscles and between body positions
Gait Posture 22 (2005)295 – 301
- +Urquhart,D.M. Kellsall,H.I., Hoe,V.C.W., Cicuttini,F.M., Forbes,A.B., Sim,M.R.
Are psychosocial factors associated with low back pain and
work absence for low back pain in an occupational cohort?
Clin J Pain 29 (2013)1015 - 20
- +Urquhart,D.M. Wluka,A.E., Heritier,S., Fong,C., Wang,Y., Cicuttini,F.M.
Effect of low-dose amitryptiline on low back pain with a
neuropathic component: a post hoc analysis
Spine J 21 (2021)899 – 902
doi.org/10.1016/j.spinee.2021.01.012
- Urrutia,G. Kovacs,F., Nishishinya,M.B., Olabe,J.
Percutaneous thermocoagulation intradiscal techniques for
discogenic low back pain
Spine 32 (2007)1146 – 54

+Vaajala,M.

Teuho,A., Liukkonen,R., Ponkilainen,V., Rimpelä,A.,
Koivusita,L.K., Mattila,V.M.

The influence of adolescent health-related behaviors on
degenerative low back pain hospitalisations and surgeries in
adulthood. A longitudinal study

Spine 49 (2024)1750 – 7
doi.org/10.1097/BRS.0000000000005112

+Vad,V.B.

Bhat,A.L., Lutz,G.E., Cammisa,F.

Transforaminal epidural steroid injections in lumbosacral
radiculopathy: a prospective randomized study

Spine 27(2002)11-16

+Vadala,G.

Di Giacomo,G., Ambrosio,L., Cicione,c., Tilotta,V., Russo,F.,
Papalia,R., Denaro,V.

Effect of irisin on human nucleus pulposus cells: new insights
into the biological cross-talk between muscle and
intervertebral disk

Spine 48 (2023)468 – 75
doi.org/10.1097/BRS.0000000000004488

+Vadala,G.

Russo,F., Battisti,S., Stellato,L., Martina,F., del Vescovo,R.,
Giacalone,A., Borthakur,A., Zobel,B.B., Denaro,V.

Early intervertebral disc degeneration changes in
asymptomatic weightlifters assessed by T1p-magnetic
resonance imaging

Spine 39 (2014)1881 - 6

+Vadala,G.

Sowa,G.A., Smith,L., Hubert,M.G., Levicoff,E.A. et al.

Regulation of transgene expression using an inducible system
for improves safety of intervertebral disc gene therapy

Spine 32 (2007)1381 - 7

+Vadala,G.

Studer,R.K., Sowa,G., Spiezia,F., Iucu,C., Denaro,V.,
Gilbertson,L.G., Kang,J.D.

Coculture of bone marrow mesenchymal stem cells and
nucleus pulposus cells modulate gene expression profile
without cell fusion

Spine 33 (2008)870 – 6

- +Vadiraja,H.S. Rao,M.R., Nagarathna,R., Nagendra,R., Rekha,M., Vanitha,N., Gopinath,K.S., Srinath,B.S., Vishweshwara,M.S., Madhavi,Y.S., Ajaikumar,B.S., Bilimagga,S.R., Rao,N.
- Effects of yoga program on quality of life and affect in early breast cancer patients undergoing adjuvant radiotherapy: a randomized controlled rial
- Complement Ther Med 17 (2009)274 – 80
- (-)Vadivelu,N. Kaye,A.D.
- Treatment of discogenic low back pain: Current treatment strategies anf future options – a literature review
- Curr Pain Headache Rep 23 (2019)86
- +Vaegter,H.B. Graven-Nielsen,T.
- Pain modulatory phenotypes differentiate subgroups with different clinical and experimental pain sensitivity
- Pain 157 (2016)1480 - 8
- Vaegter,H.B. Petersen,K.K., Sjødsholm,L.V., Schou,P., Andersen,M.B., Graven-Nielsen,T.
- Impaired exercise-induced hypoalgesia in individuals reporting an increase in low back pain during acute exercise
- Eur J Pain 25 (2021)1053 – 63 (zit. Graven-Nielsen, 2022)
- +Vainio,A. Ollila,J., Matikainen,E., Rosenberg,P., Kalso,E.
- Driving ability in cancer patients receiving long-term morphine analgesia
- Lancet 346 (1995)667 – 70
- +Vaisy,M. Gizzi,L., Petzke,F., Consmüller,T., Pfingsten,M., Falla,D.
- Measuerement of lumbar spine funktional movement in low back pain
- Clin J Pain 31 (2015)876 - 85
- +Valdes,A.M. Hassett,G., Hart,D.J., Spector,T.D.
- Radiographic progression of lumbar spine disc degeneration is influenced by variation of inflammatory genes: a candidate SNP association study in the Chingford cohort
- Spine 30 (2005)2445 – 51

Licka,T., Elliot,J.

Age and side-related morphometric MRI evaluation of trunk muscles in people without back pain

Man Ther 20 (2015)90 – 5

+Valentini,E.

Martini,M., Lee,M., Aglioti,S.M., Iannetti,G.

Seeing facial expressions enhances placebo analgesia

Pain 155 (2014)666 - 73

+Valenzuela,P.F.

Pancorbo,S., Lucia,A., Germain,F.

Spinal manipulative therapy effects in autonomic regulation and exercise performance in recreational healthy athletes

Spine 44 (2019)609 - 14

+Valet,M.

Sprenger,T., Boecker,H., Willoch,F., Rummeny,E., Conrad,B.,
Erhard,P., Tolle,T.R.

Distraction modulates connectivity of the cingulo-frontal cortex and the midbrain during pain – an fMRI analysis

Pain 109 (2004)399 – 408

+Valet,M.

Sprenger, T., Wöller, A., Tölle, T.R.

Schmerzdarstellung im Gehirn

Schmerz 21 (2007) 239 – 41

+Valet,M.

Sprenger, T., Tölle, T.R.

Untersuchungen zur zerebralen Verarbeitung von Schmerzen mit funktioneller Bildgebung. Somatosensorische, affektive, kognitive, vegetative und motorische Aspekte

Schmerz 24 (2010)114 - 21

Valkenburg, H.A.

Haanen, H.C.M.

The epidemiology of low back pain

In: White,A.A., Gordon,A.L., eds.,Symposium on idiopathic low back pain, Miami, FL, 1980, p.9 – 12 (zit. McBeth & Jones, 2007)

Valle-Jones, J.C.

Walsh,H., O'Hara,J., O'Hara,H., Davey,N.B., Hopkin-Richards,H.

- Controlled trial of a back support in patients with non-specific low back pain
- Curr Med Res Opin 12 (1992)604 – 13 (zit. van Tulder et al., 2006b)
- Valim,V. Oliveira,L.M., Suda,A.L., Silva,L.F., Faro,M., Neto,T.L., Feldman,D., Natour,J.
- Peak oxygen uptake and ventilatory aerobic threshold in fibromyalgia
- J Rheumatol 29 (2002)353 – 9 (zit Inamci et al., 2011)
- +Vallejo,R. Bradley,K., Kapural,L.
- Spinal cord stimulation in chronic pain
- Spine 42 (2017)14S: S 53 - 60
- +Valtchinov,V.I. Zhai,B.K., Hida,T., Lacson,R., Raja,A., Hatabu,H., Khorasani,R.
- A case-control study of major genetic predisposition risk alleles in developing DDD in the northeast US population: effects of gene-gene interactions
- Spine 46 (2021)1526 – 33 doi.org: 10.1097/BRS.0000000000004104
- +Valtschanoff,J.G. Weinberg,R.J.
- Laminar organisation of the NMDA receptor complex within the postsynaptic density
- J Neurosci 21 (2001)1211 – 7
- Van,Z.J. van KM
- Low back pain: from algorithm to cost effectiveness?
- Pain Pract 5 (2005)179 - 89
- +van Baal,K. Allofs,J., Ehrenbrusthoff,K., Grüneberg,C., Hering,T., Kopkow,C., Thiel,C.
- Effects of a movement control and tactile acuity training in patients with nonspecific chronic low back pain and control impairment – a randomized controlled pilot study
- BMC Musculoskel Disord 21 (2020)794 doi.org/10.1186/s12891-020-03727-y
- +van Baar, M.E. Dekker,J., Lemmens,J.A.M., Oostendorp,R.A.B., Bijlsma,J.W.J.

- Pain and disability in patients with osteoarthritis of hip and knee: the relationship with articular, kinesiological, and psychological characteristics
- J Rheumatol 25 (1998)125 – 33
- +van Beuningen,H.M. Glansbeek,H.L., van der Kraan,P.M., van den Berg,W.B.
- Differential effects of local application of BMP-2 or TGF-beta 1 of both articular cartilage composition and osteophyte formation
- Osteoarthritis Cartilage 6 (1998)306 – 17
- +van Boxem,K. van Zundert,J. , Patijn,J., van Kleef,M.
- Letters to the editor: Pseudoradicular and radicular low-back pain: how to diagnose clinically
- Pain 135 (2008)311-2
- +van Buskirk,R.L. Treatment of somatic dysfunction with an osteopathic manipulative method of Dr. Andrew Taylor Still
- in: Ward,R.C. (ed.): Foundations for osteopathic medicine, 2nd ed., Philadelphia, Lippincott Williams & Wilkins, 2003, p. 1094 – 1114
- Vandael,K. Vasilache,A., Meulders,A.
- Know your movements: poorer proprioceptive accuracy is associated with overprotective avoidance behavior
- J Pain 23 (2022)1400 – 9
doi.org/10.1016/j.jpain.2022.03.233
- +Vandael,K. Vervliet,B., Peters,M., Meulders,A.
- Excessive generalisation of pain-related avoidance behavior: mechanisms, targets for intervention, and future directions
- Pain 164 (2023)2405 – 10
doi.org/19.1097/j.pain.0000000000002990
- +van Daele,U. Hagman,F., Truijen,S., Vorlat,P., van Gheluwe,B., Vaes,P.
- Differences in balance strategies between nonspecific chronic low back pain patients and healthy control subjects during unstable sitting
- Spine 34 (2009)1233 - 8
- +van Daele,U. Hagman,F., Truijen,S., Vorlat,P., van Gheluwe,B., Vaes,P.

- Decrease in postural sway and trunk stiffness during cognitive dual-task in nonspecific chronic low back pain patients, performance compared to healthy control subjects
- Spine 35 (2010)583 - 9
- +van Damme,S. Becker,S., van der Linden,D.
- Tired of pain? Toward a better understanding of fatigue in chronic pain
- Pain 159 (2018)7 - 10
- +van Damme,S. Crombez,G., Eccleston,C.
- Coping with pain: A motivational perspective
- Pain 139 (2008)1 - 4
- +van Damme,S. van Ryckeghem,D.M.L., Wyffels,F., van Hulle,L., Crombez,G.
- No pain no gain? Pursuing a competing goal inhibits pain behaviour
- Pain 153 (2012)800 - 4
- van Damme, S. et al. Disengagement from pain: the role of catastrophic thinking about pain
- Pain 107 (2004) 70 -6
- Vandenabeele,F. Creemers,J., Lambrichts,I.
- Ultrastructure of the human spinal arachnoid mater and dura mater
- J Anat 189 (1996)417 – 30 (zit. Sizer et al., 2002)
- +van de Kelft,E. Verleye,G., van de Kelft,A.S., Melis,K., van Goethem,J.
- Validation of topographic hybrid single-photon emission computerized tomography with computerized tomography scan in patients with and without nonspecific chronic low back pain. A prospective comparative study
- Spine J 17 (2017)1457 - 63
- +van den Berg,R. Jongbloed,L.M., de Schepper,E.I.T., Bierma-Zeinstra,S.M.A., Koes,B.W., Luijsterburg,P.A.J.
- The association between pro-inflammatory biomarkers and nonspecific low back pain: a systematic review

- Spine J 18 (2018)2140 - 51
- +van den Berg,R. Jongbloed,L.M., Kuchuk,N.O., Roorda,L.D., Oostveen,J.C.M., Koes,B.W., Oei,E.H.G., Bierma-Zeinstra,S.M.A., Luijsterburg,P.A.J.
- The association between self-reported low back pain and radiographic lumbar disc degeneration of the cohort hip and cohort knee (CHECK) study
- Spine 42 (2017)1464 - 71
- +van den Berg-Emons,R. Schasfoort,F.C., de Vos,L.A., Bussmann,J.B., Stam,H.J.
- Impact of chronic pain on everyday physical activity
- Eur J Pain 11 (2007)587 – 93
- +van den Bosch,E.W. van der Kleyn,R., Hogervorst,M., van Vugt,A.B.
- Functional outcome of internal fixation for pelvic ring fractures
- J Trauma 47 (1999)365 – 371
- +van den Heuvel,M.M. Oei,E.H.G., Renkens,J.J.M., Bierma-Zeinstra,S.M.A., van Middelkoop,M.
- Structural spinal abnormalities on MRI and associations with weight status in a general pediatric population
- Spine J 21 (2021)465 – 76
doi.org/10.1016/j.spinee.2020.003
- van den Heuvel,S.G. Ariens,G.A., Boshuizen,H.C. et al.
- Prognostic factors related to recurrent low-back pain and sickness absence
- Scand J Work Environ Health 30 (2004)459 – 67 (zit. Shiri et al., 2010)
- +van den Hoogen,H.J. Koes,B.W., Deville,W., van Eijk,J.T., Bouter,L.M.
- The inter-observer reliability of Lasegues sign in patients with low ba ck pain in general practice
- Br J Gen Pract 46 (1996)727 – 30
- +van den Hoogen,H.J. Koes,B.W., van Eijk,J.T.M., Bouter,L.M., Deville,W.
- On the course of low back pain in general practice: a one year follow-up study

- Ann Rheum Dis 57 (1998)13 – 9
- +van den Hout,J.H.C. Vlaeyen,J.W.S., Heuts,P.H.T.G., Zijlema,J.H.L., Wijnen,J.A.G.
- Secondary prevention of work-related disability in nonspecific low back pain: does problem-solving therapy may help? A randomized controlled trial
- Clin J Pain 19 (2003)87 - 96
- +van den Hout,W.B. Peul,W.C., Koes,B.W., Brand,R., Kievit,J., Thomeer,R.T.W.M.
- Prolonged conservative care versus early surgery in patients with sciatica from lumbar disc herniation: cost utility analysis alongside a randomized controlled trial
- BMJ 336 (2008)1351 – 4
- +Vanderah,T.W. Delta and kappa opiod receptors as suitable drug targets for pain
- Clin J Pain 26 (2010)Suppl: S10 - 5
- +van der Beek,A.J. Primary preventive effects of a multifaceted workplace intervention on low back pain
- Pain 156 (2015)1583 - 4
- van der El,A. Lunacek,P., Wagemaker,A.
- Manuelle therapie der 1 wervelkolom onderzoek
- Uitgeverij Manuwel, Rotterdam, 1983 (zit. van Deursen et al., 1992)
- +van der Gaag,W.H. Chiarotto,A., Heymans,M.W., Enthoven,W.T.M., van Rijckevorsel-Scheele,J., Bierma-Zeinstra,S.M.A., Bohnen,A.M., Koes,B.W.
- Developing clinical prediction models for nonrecovery in older patients seeking care for back pain: the back complaints in the elders prospective cohort study
- Pain 162 (2021)1632 – 40
doi.org/10.1097/j.pain.0000000000002161
- van der Gaag,W.H. Roelofs,P.D.D.M., Enthoven,W.T.M., van Tulder,M.W.
- Non-steroidal anti-inflammatory drugs for acute low back pain
- Cochrane Database Syst Rev (2020)4.CD013581
doi.org/10.1002/14651858.CD013581

- +van der Giezen,A.M. Bouter,L.M., Nijhuijs,F.N.J.
- Prediction of return-to-work of low back pain patients
sicklisted for 3 – 4 month
- Pain 87 (2000)285 – 94
- +van der Hulst,M. Vollenbroek-Hutten,M.R.M., Groothuis-Oudshoorn,K.G.M.,
Hermens,H.J.
- Multidisciplinary rehabilitation treatment of patients with
chronic low back pain: A prognostic model for its outcome
- Clin J Pain 24 (2008)421 - 30
- +van der Hulst,M. Vollenbroek-Hutten.M.R.M., Rietman,J.S., Schaake,L.,
Groothuis-Oudshoorn,K.G., Hermens,H.J.
- Back muscles activation patterns in chronic low back pain
During walking: a “guarding” hypothesis
- Clin J Pain 26 (2010)30 - 7
- +van der Kam,E.L. de Vry,J., Schiene,K., Tzschentke,T.M.
- Differential effects of morphine on the affective and the
sensory component of carrageenan-induced nociception in the
rat
- Pain 136 (2008)373 - 9
- +van der Kraan,P.M., van den Berg,W.B.
- Anabolic and destructive mediators in osteoarthritis
- Curr Opin Clin Nutr Metab Care 3 (2000)205 – 11
- (-)van der Wees,P.J. Jamtvedt,G. Rebbeck,T. et al.
- Multifaceted strategies may increase implementation of
physiotherapy clinical guidelines: a systematic review
- Aust J Physiother 54 (2008)233 - 41
- +Vanderpool,D.W. James,J.I.P., Wynne-Davies,R.,
- Scoliosis in the elderly
- J Bone Joint Surg Am 51 (1969)446 – 55
- +van der Roer,N. Goossens, M.E., Evers,S.M., van Tulder,M.W.
- What is the most cost-effective treatment for patients with low
back pain? A systematic review

- Best Pract Res Clin Rheumatol 19 (2005)671 – 84
- +van der Roer,N. Ostelo,R.W.J.G., Bekkering,G.E., van Tulder,M.W., de Vet,H.C.W.
- Minimal clinical important change for pain intensity, functional status, and general health status in patients with nonspecific low back pain
- Spine 31 (2006)578 – 82
- +van der Roer,N. van Tulder,M., van Mechelen,W., de vet,H.
- Economic evaluation of an intensive group training protocol compared with usual care physiotherapy in patients with low back pain
- Spine 33 (2008)445 – 51
- +Vanderschot,L. Trigger points vs. acupuncture points
- Am J Acupuncture 4 (1976)233 - 8
- +van der Velde,G. Mierau,D.
- The effect of exercise on percentile rank aerobic capacity, pain, and self-rated disability in patients with chronic low back pain: a retrospective chart review
- Arch Phys Med Rehabil 81 (2000)1457 – 63
- +van der Velde,G. van Tulder,M., Cote,P., Hogg-Johnsen,S., Aker,P., Cassidy,D.
- The sensitivity of review results to methods used to appraise and incorporate trial quality into data synthesis
- Spine 32 (2007)796 – 806
- +van der Windt,D. Commentary: The role of co-morbidity in accumulating risc of chronic pain
- Pain 153 (2012)259 - 60
- +van der Windt,D. Hay,E., Jellema,P., Main,C.
- Psychosocial interventions for low back pain in primary care – lession learned from recent trials
- Spine 33 (2008)81 – 9
- van der Windt,D. Simons,E., Riphagen,I.I. et al.
- Physical examination for lumbar radiculopathy due to disc herniation in patients with low back pain

- Cochrane Database Syst Rev (2010)2: CD007431 (so zit. Ammer, 2013a)
- +van der Wurff,P. Buijs,E.J., Groen,G.J.
- Intensity mapping of pain referral areas in sacroiliac joint pain patients
- J Manipulat Physiol Ther 29 (2006)190 – 5
- +van der Wurff,P. Meyne,W., Hagmeijer,R.H.
- Clinical tests of the sacroiliac joint. A systemic methodological review. Part 1: reliability
- Manual Ther 5 (2000)30 – 36
- +van Deursen,D.L. Snijders,C.J., van Dieen,J.H., Kingma,I., van Deursen,L.L.J.M.
- The effect of passive vertebral rotation on pressure in the nucleus pulposus
- J Biomech 34 (2001)405 - 8
- +van Deursen,D.L. Snijders,C.J., Kingma,I., van Dieen,J.H.
- In vitro torsion-induced stress distribution changes in porcine intervertebral discs
- Spine 26 (2001)2582 – 6
- +van Deursen,L.L.J.M. Patijn,J.
- Aufwertung der „ligamentären Kreuzschmerzen“
- Manuelle Med 5 (1993)108 – 10
- +van Deursen,L.L.J.M. Patijn,J., Ockhuysen,A.L., Vortman,B.J.
- Die Wertigkeit einiger klinischer Funktionstests des Iliosakralgelenks (Übersetzung aus J Man Med 5 (1990)96 – 9)
- Manuelle Med 30 (1992)43 – 6
- +van de Veen,E.A. de Vet,H.C.W., Pool,J.J.M., Schuller,W., de Zoete,A., Bouter,L.M..
- Variance in manual treatment of nonspecific low back pain between orthomanual physians, manual therapists and chiropractors
- J Manipulative Physiol Ther 28 (2005)108 – 16

- +van Dieen,J.H. Cholewicki,J., Radebold,A.
Trunk muscle recruitment patterns in patients with low back pain enhance the stability of the lumbar spine
Spine 28 (2003)834 – 41
- van Dieen,J.H. Flor,H., Hodges,P.W.
Low-back pain patients learn to adapt motor behavior with adverse secondary consequences
Exerc Sport Sci Rev 45 (2017)223 – 9
doi.org/10.1249/JES.0000000000000121
- +van Dieen,J.H. Koppers,L.L.J., Twisk,J.W.R.
Low back pain history and postural sway in unstable sitting
Spine 35 (2010)812 - 7
- +van Dieen,J.H. Selen,L.P., Cholewicki,J,
Trunk muscle activation in low back pain patients: an analysis of the literature
J Electromyogr Kinesiol 13 (2003)333 – 351
- (-)van Dillen,L.R. Lanier,V.M., Steger-May,K., Wallenburg,M., Norton,B.J., Civello,J.M., Czuppon,S.L., Francois,S.J., Roles,K., Lang,C.E.
Effect of motor skill training in functional activities vs strength and flexibility exercise on function in people with chronic low back pain: A randomized clinical trial
JAMA Neurol 78 (2021)385 – 95
doi.org/10.1001/jamaneurol.2020.4821
- +van Dillen,L.R. Sahrman,S.A., Norton,B.J., Caldwell,C.A., Fleming,D.A., McDonnell,M.K., Woolsey,N.B.
Reliability of physical examination items used for classification of patients with low back pain
Phys Ther 78 (1998)979 – 88
- +van Dillen,L.R. Sahrman,S.A., Norton,B.J., Caldwell,C.A., McDonnell,M.K., Bloom,N.J.
Movement system impairment-based categories for low back pain
J Orthop Sports Phys Ther 33 (2003)126 – 42

- +van Geen,J.-W. Edelaar,J.A., Janssen,M., van Eijk,J.T.M.
The long term effect of multidisciplinary back training. A systematic review
Spine 32 (2007)249 - 55
- +van Gent,R.N. Siem,D., van Middelkoop,M., van Os,A.G., Bierma-Zeinstra,S.M.A., Koes,B.W.
Incidence and determinants of lower extremity running injuries in long distance runners: a systematic review
Br J Sports Med 41 (2007)469 - 80
- van Griensven,H. Pain in practise: theory and treatment strategies for manual therapists
Butterworth – Heinemann – Elsevier, Edinburgh u.a., 2005
- +Vangronsveld,K.L. Linton,S.J.
The effect of validating and invalidating communication on satisfaction, pain and affect in nurses suffering from low back pain during a semistructured interview
Eur Pain J 16 (2012)239 – 46
- +Vanharanta,H. Ohnmeiss,D.D., Aprill,C.N.
Vibration pain provocation can improve the specificity of MRI in the diagnosis of symptomatic lumbar rupture
Clin J Pain 14 (1998)239 – 47
- +van Heeswijk,V.M. Thambyah,A., Robertson,P.A., Broom,N.D.
Posterolateral disc prolapse in flexion initiated by lateral inner annular failure. An investigation of the herniation pathway
Spine 42 (2017)1604 - 13
- +van Heeswijk,V.M. Thambyah,A., Robertson,P.A., Broom,N.D.
Does an annular puncture influence the herniation path? An in vitro mechanical and structural investigation
Spine 43 (2018)467 - 76
- van Hilst,J. Hilgersom,N.F., Kuilman,M.C., Kuijer,P.P.F.M., Frings-Dresen,M.H.W.

- Low back pain in young elite field hockey players, football players and speed skaters: prevalence and risk factors
J Back Musculoskel Rehab 28 (2015)67 – 73
doi.org/10.3233/BMR140491
- +van Hooff,M.I. Spruit,M., O’Dowd,J.K., van Lenkfeld,W., Fairbank,J.C.T., van Limbeek,J.
Predictive factors for successful clinical outcome 1 year after an intensive combined physical and psychological programme for chronic low back pain
Eur Spine J 23 (2014)102 - 12
- +van Hooff,M.I. van der Merwe,J.D., O’Dowd,J., Pavlov,P.W., Spruit,M., de Kleuver,M., van Limbeck,J.
Daily functioning and self-management in patients with chronic low back pain after an intensive cognitive behavioral programme for pain management
Eur Spine J 19 (2010)1517 – 26
- +van Kleef,M. Barendse,G.A., Kessels,A., Voets,H.M., Weber,W.E.J., de Lange,S.
Randomized trial of radiofrequency lumbar facet denervation for chronic low back pain
Spine 24 (1999)1937 – 42
- +van Kleef,M. Kessels,A.G.H.
Commentary: Underpowered clinical trials: time for a change
Pain 145 (2009)265 - 6
- +van Leeuwen,G.J. van den Heuvel,M.M., Bindels,P.J.E., Bierma-Zeinstra,S.M.A., van Middelkoop,M.
Musculoskeletal pain in 13-year-old children: the generation R study
Pain 165 (2024)1806 – 13
doi.org/10.1097/j.pain.0000000000003182
- +van Leeuwen,M.T. Blyth,F.M., March,L.M., Nicholas,M.K., Cousins,M.J.
Chronic pain and reduced work effectiveness: the hidden cost to Australian employers
Eur J Pain 10 (2006)161 – 166

- +van Lent,P.L. Blom,A.B., van der Kraan,P., Holthuysen,A.E.M., Vitters,E., van Rooijen,N., Smeets,R.L., Nabbe,K.C.A.M., van den Berg,W.B.
- Crucial role of synovial lining macrophages in the promotion of transforming growth factor beta-mediated osteophyte formation
- Arthritis Rheum 50 (2004)103 – 11
- +van Middelkoop,.M. Rubinstein,S.M., Kuijpers,T , Verhagen,A.P., Ostelo,R., Koes,B.W., van Tulder,M.W.
- A systemic review of the effectiveness of physical and rehabilitation interventions for chronic and non-specific low back pain
- Eur Spine J 20 (2011)19 – 39
- van Middelkoop,M. Rubinstein,S.M., Verhagen,A.P., Ostello,R.W., Koes,B.W., van Tulder,M.W.
- Exercise therapy for chronic nonspecific low back pain
- Best Pract Res Cl Rh 24 (2010)193 – 204 (zit. Schroeder et al., 2015)
- +van Nieuwenhuyse,A. Somville,P.R., Crombez,G., Burdorf,A., Verbeke,G., Johannik,K., van den Bergh,O., Masschelein,R., Mairiaux,P., Moens,G.F.
- The role of physical workload and pain related fear in the development of low back pain in young workers: evidence from the BelCoBack Study; results after one year of follow up
- Occup Environ Med 63 (2006)45 – 52
- +van Oosterwijk,J. Meeus,M., Paul,L., de Schryver,M., Pascal,A., Lambrecht,L., Nijs,J.
- Pain physiology education improves health status and endogenous pain inhibition in fibromyalgia. A double blind randomized controlled trial
- Clin J Pain 29 (2013)873 - 82
- +van Poppel,M.N.M. Hooftman,W.E., Koes,B.W.
- An update of a systematic review of controlled clinical trials on the primary prevention of back pain at the workplace
- Occup Med 54 (2004)345 – 52

- +van Riper,S.M. Alexander,A.L., Koltyn,K.F., Stegner,A.J., Ellingson,L.D., Destiche,D.L. DoughertyR.J., Lindheimer,J.B., Cook,D.B.
- Cerebral white matter structure is disrupted in Gulf War Veterans with chronic musculoskeletal pain
- Pain 158 (2017)2364 - 75
- +van Roy,P. Barbaix,E., Clarijs,J.P., Mense,S.
- Der anatomische Hintergrund von Rückenschmerzen: Formvariabilität und Degeneration des lumbalen Spinalkanals und der Zwischenwirbelscheibe
- Schmerz 15 (2001)418 – 24
- +van Ryckeghem,D.M.L. Crombez,G., van Hulle,L., van Damme,S.
- Attentional bias towards pain-related information diminishes the efficacy of distraction
- Pain 153 (2012)2345 – 51
- +van Ryckeghem,D.M.L. Crombez,G., Goebert,L., de Houwer,J., Onraedt,T., van Damme,S.
- The predictive value of attentional bias towards pain-related information in chronic pain patients: A diary study
- Pain 154 (2013)468 - 75
- +van Ryckeghem,D.M.L. de Houwer,J., van Bockstaele,B., van Damme,S., de Schryver, M., Crombez,G.
- Implicit associations between pain and self-schema in patients with chronic pain
- Pain 154 (2013a)2700 – 06
- van Sickle,M.D. Duncan,M., Kingsley,P.J., Mouihate,A., Urbani,P., Mackie,K., Stella,N., Makriyannis,A., Piomelli,D., Davison,J.S., Marnett,I.J., di Marzo,V., PittmanO.I., Patel,K.D., Sharkey,K.A.
- Identifikation and functional characterisation of brainstem cannabinoid CB2 receptors.
- Science 310 (2005)329 – 32 (zit. Gutierrez et al., 2011)
- +Vanti,C. Turone,L., Panizzolo,A., Guccione,A.A., Bertozzi,L., Pillastrini,P.
- Vertical traction for lumbar radiculopathy : a systematic review

- Arch Physioth 11 (2021)7 doi.org/10.1186/s40945-021-00102-5
- +van Tilburg,C.W.J. Schuurmans,F.A., Stronks,D.L., Groeneweg,J.G., Huygen,F.J.P.M.
- Randomized sham-controlled double-blind multicenter clinical trial to ascertain the effect of percutaneous radiofrequency treatment for sacroiliacal joint pain
- Clin J Pain 32 (2016)921 - 6
- +van Tulder,M. Die Behandlung von Rückenschmerzen: Mythen und Fakten
- Schmerz 15 (2001)499 – 502 (
- +van Tulder,M. Assendelft,W.J., Koes,B.W., Bouter,L.M:
- Spinal radiographic findings and nonspecific low back pain. A systematic review of observational studies
- Spine 22 (1997)427 – 34
- +van Tulder,M. Becker,A., Bekkering,T., Breen,A., Gil de Real.,M.T., Hutchinson,A., Koes,B., Laerum,E., Malmivaara,A.
- Chapter3. European guidelines for the management of acute nonspecific low back pain in primary care
- Eur Spine J 15 (2006)Suppl. 2 S169 – 91
- +van Tulder,M. Koes,B.
- Low back pain and sciatica (chronic)
- Clin Evid 10 (2003)1359 – 76
- +van Tulder,M. Koes,B., Bombardier,C.
- Low back pain
- Best Pract Res Clin Rheumatol 16 (2002b)761 – 75
- +van Tulder,M. Koes,B.W., Bouter,L.M.
- A cost-of-illness study of back pain in The Netherlands
- Pain 62 (1995)233 – 40
- van Tulder,M. . Koes,B.W., Bouter,L.M.
- Conservative treatment of acute and chronic non-specific low back pain: a systematic review of randomized controlled trials of the most common interventions Spine 22 (1997)2128 – 56

- +van Tulder,M. Koes,B., Malmivaara,A.
Outcome of non-invasive treatment modalities on back pain: an evidence-based review
Eur Spine J 15 (2006)S64 – S81
- +van Tulder,M. Malmivaara,A., Esmail,R., Koes,B.W.
Exercise therapy for low back pain: a systematic review within the framework of the Cochrane Collaboration Back Review Group
Spine 25 (2000)2784 – 96
- van Tulder,M., Malmivaara,A., Hayden,J.
Statistical significance versus clinical importance: trials on exercise therapy for chronic low back pain as an example
Spine 32 (2007)1785 -90
- +van Tulder,M. Ostelo,R., Vlaeyen,J.W.S., Linton,S.J., Morley,S.J., Assendelft,W.J.J.
Behavioral treatment for chronic low back pain: a systemic review within the framework of the Cochrane Back Review Group
Spine 25 (2000)2688 – 99
- +van Tulder,M.W. Suttorp,M., Morton,S., Bouter,L.M., Shekelle,P.
Empirical evidence of an association between internal validity and effect size in randomized controlled trials of low back pain
Spine 34 (2009)1685 - 92
- +van Tulder,M. Tuut,M., Penninck,V., Bombardier,C., Assendelft,W.J.J.
Quality of primary care guidelines for acute low back pain
Spine 29 (2004)E357 – 62
- van Tulder,M. et al. Non-steroidal anti-inflammatory drugs for low back pain
Cochrane Database Syst Rev 2005; CD000396 (zit. AMK, 2007)
- van Tulder,M.et al. Muscle relaxants for non-specific low back pain

- Cochrane Database Syst Rev 2005, CD 004252 (zit. AMK, 2007)
- van Tulder,M. et al. Lumbar supports for prevention and treatment of low back pain
- Cochrane Collaboration 2006: 4 (so zit. Oleske et al., 2007)
- +van Vuuren,B.J. van Heerden,H.J., Becker,P.J., Zinzen,E., Meeusen,R.
- Fear-avoiding beliefs and pain coping strategies in relation to lower back problems in a South African steel industry
- Eur J Pain 10 (2006)233 - 9
- +van Weering,M. Vollenbroek-Hutten,M.M., Kotte,E.M., Hermens,H.J.
- Daily physical activities of patients with chronic pain or fatigue versus asymptomatic controls. A symptomatic review
- Clin Rehabil 21 (2007)1007 – 21
- +van Wijk,R.M.A.W. Guerts,J.W., Wynne,H.J. Hammink,E., Buskens,E., Lousberg,R., Knape,J.T.A., Groen,G.J.
- Radiofrequency denervation of lumbar facet joints in the treatment of chronic low back pain
- Clin J Pain 21 (2005)335 – 344
- van Zundert,J. Clinical research in interventional pain management techniques: The clinician's point of view
- Pain Practice 7 (2007)221 – 9
- +van Zundert, J, van Kleef,M.
- Low back pain: from algorithm to cosr-effectiveness?
- Pain Pract 5 (2005)179 – 89
- +van Zundert,J. Patijn,J., Kessels,A., Lame,I., van Suijlekom,H., van Kleef,M.
- Pulsed radiofrequency adjacent to the cervical dorsal root ganglion in chronic cervical radicular pain: A double blind sham controlled randomized clinical trial
- Pain 127 (2007)173 – 82
- +Vardanyan,M. Melemedjian,O.K., Price,T.J., Ossipov,M.H., Lai,J., Roberts,E., Boos,T.L., Deschamps,J.R., Jacobson,A.E., Rice,K.C., Porreca,F.

- Reversal of pancreatitis-induced pain by an orally available, small molecule interleukin-6 receptor antagonist
- Pain 151 (2010)257 - 65
- +Varrassi,G. Fusco,M., Coaccioli,S., Paladini,A.
- Chronic pain and neurodegenerative processes in elderly people (editorial)
- Pain Pract 15 (2015)1 - 3
- +Varrassi,G. Müller-Schwefe,G., Pergolizzi,J., Oronska,A., Morlion,B., Mavrocordatos,P., Margarit,C., Mangas,C., Jaksch,W., Huygen,F., Collet,B., Berti,M., Aldington,D., Ahlbeck,K.
- Pharmacological treatment of chronic pain – the need for CHANGE
- Curr Med Res Op 26 (2010)1231 – 45
- +Vartiainen,P. Mäntyselka,P., Heiskanen,T., Hagelberg,N., Mustola,S., Forssell,H.,Kautiainen,H., Kalso,E.
- Validation of EQ-5D and 15D in the assessment of health-related quality of life in chronic pain
- Pain 158 (2017)1577 - 85
- +Varty,G.B. Grilli,M., Fredduzzi,S., Grzelak,M.E., Guthrie,D.H.,Hodgson,R.A. und weitere 8 Autoren
- The antinociceptive and anxiolytic-like effects of the metabotropic glutamate receptor 5 (mGluR5) antagonists, MPEP and MTEP, and the mGluR1 antagonist, LY456236, in rodents: a comparison of efficacy and side-effect profiles
- Psychopharmacology (Berl) 179 (2005)207 – 17
- +Vas,J. Aranda,J.M., Modesto,M., Benitez-Parejo,N., Herrera,A., Martinez-Barquin,D.M., Aguillar,I., Sanchez-Araujo,M., Rivas-Ruiz,F.
- Acupuncture in patients with acute low back pain: A multicenter randomized controlled trial
- Pain 153 (2012)1883 - 9
- +Vase,L. Baram,S., Takakura,N., Yajima,H., Takayama,M., Kaptchuk,T.J., Schou,S., Jensen,T.S., Zachariae,R., Svensson,P.

- Specifying the nonspecific components of acupuncture analgesia
- Pain 154 (2013)1659 - 67
- +Vase,L. Nikolajse,L., Christensen,B., Egsgaard,L.L., Arendt-Nielsen,L., Svensson,P., Jensen,T.S.
- Cognitive-emotional sensitization contributes to wind-up-like pain in phantom limb pain patients
- Pain 152 (2011)157 – 62
- +Vaseghnia,A. Shadmehr,A., Moghadam,B.A., Olyaei,G., Hadian,M.R., Kzaeipour,Z.
- The therapeutic effects of manipulation technique on sacroiliac joint dysfunction in young women
- Muscl Ligam Tendon J 8 (2018)526 - 33
- +Vasseljen,O. Unsgaard-Tondel,M., Westad,C., Mork,P.J.
- Effect of core stability exercises on feed-forward activation of deep abdominal muscles in chronic low back pain. A randomized, controlled trial
- Spine 37 (2012)1101 - 8
- +Vasseljen,O. Woodhouse,A., Bjorngaard,J.H., Leivseth,L.
- Natural course of acute neck and low back pain in the general population: The HUNT study
- Pain 154 (2013)1237 - 44
- +Vassend,O. Roysamb,E., Nielsen,C.S.
- Five-factor personality traits and pain sensitivity: A twin study
- Pain 154 (2013)722 - 8
- +Vaudreuil,N. Kadow,T., Yurube,T., Hartmann,R., Ngo,K., Dong,Q., Pohl,P., Coelho,J.P., Kang,J., Vo., Sowa,G.
- NSAID use in intervertebral disc degeneration: what are the effects matrix homeostasis in vivo?
- Spine J 17 (2017)1162 - 70
- +Vaughan,B. Morrison,T., Buttigieg,D., Macfarlane,C., Fryer,G.
- Approach to low back pain – osteopathy

- Aust Fam Physician 43 (2014)197 – 8
- +Vauth,C. Greiner,W.
Kosten in der Schmerztherapie
Gesundh Ökon Qual Manag 16 (2011)S 3 - 9
- +Vavrek,D.A. Haas,M., Neradilek,M.B., Polissar,N.
Prediction of pain outcomes in a randomized controlled trial of dose-response of spinal manipulation for the care of chronic low back pain
BMC Musculoskel Disord 16 (2015)205
- +Vavrek,D.A. Sharma,R., Haas,M.
Cost analysis related to dose-response of spinal manipulative therapy for chronic low back pain: outcomes from a randomized controlled trial
J Manipulative Physiol Ther 37 (2014)300 – 11
- +Veasey,S.C. Fornal,C.A., Metzler,C.W., Jacobs,B.L.
Response of serotonergic caudal raphe neurons in relation to specific motor activities in freely moving cats
J Neurosci 15 (1995)5346 – 59
- +Veehof,M.M. Oskem,M.J., Schreurs,K.M.G., Bohlmeijer,E.T.
Acceptance-based interventions for the treatment of chronic pain: A systematic review and meta-analysis
Pain 152 (2011)533 - 42
- +Veiersted,K.B. Westgaard,R.H., Andersen,P.
Electromyographic evaluation of muscular work pattern as a predictor of trapezius myalgia
Scand J Work Environ Health 19 (1993)284 – 90
- +Veldhuijzen,D.S. Karhof,S., Leenders,M.E.C., Karsch,A.M., van Wijck,A.J.M.
Impact of physicians' sex on treatment choices for low back pain
Pain Pract 13 (2013a)451 - 8
- +Veldhuijzen,D.S. Keaser,M.L., Traub,D.S., Zhuo,J., Gullapalli,R.P., Greenspan,J.D.

- The role of circulating sex hormones in menstrual cycle-dependent modulation of pain-related brain activation
Pain 154 (2013)548 - 59
- +Veldhuijzen,D.S. van Wijck,A.J., Wille,F. et al.
Effect of chronic nonmalignant pain on highway driving performance
Pain 122 (2006)28 - 35
- +Vendrig,A.A. Prognostic factors and treatment-related changes associated with return to work in the multimodal treatment of chronic back pain
J Behav Med 22 (1999)217 – 31
- +Vendrig,A.A. Lousberg,R.
Within-person relationships among pain intensity, mood and physical activity in chronic pain: a naturalistic approach
Pain 73 (1997)71 – 6
- +Vera-Portocarrero,L.P. Xie,J.Y., Kowal,O., Ossipov,M.H., King,T., Porreca,F.
Descending facilitation from the rostral ventromedial medulla maintains visceral pain in rats with experimental pancreatitis
Gastroenterology 130 (2006a)2155 – 64
- +Vera-Portocarrero,L.P. Zhang,E.T., King,T., Ossipov,M.H., Vanderah,T.W., Lai,J., Porreca,F.
Spinal NK-1 receptor expressing neurons mediate opioid-induced hyperalgesia and antinociceptive tolerance via activation of descending pathways
Pain 129 (2007)35 - 45
- +Vera-Portocarrero,L.P. Zhang,E.Z., Ossipov,M.H., Xie,J.Y., King,T., Lai,J., Porreca,F.
Descending facilitation from the rostral ventromedial medulla maintains nerve injury-induced central sensitisation
Neurosci 140 (2006b)1311 – 20
- +Verbeek,J. Sengers,M.J., Riemens,L., Haafkens,J.
Patient expectations of treatment for back pain
Spine 29 (2004)2309 – 18

- +Verbiest,H. A radicular syndrom from developmental narrowing of the lumbar vertebral canal
J Bone Joint Surg Br 36 (1954)230 – 7
- +Verbiest,H Further experiences on the pathological influence of a influence of a developmental narrowness of the bony lumbar vertebral canal.
J Bone Joint Surg Br 37 (1955)576 – 83
- +Verbrugge,L.M. Jette,A.M.
The disablement process
Soc Sci Med 38 (1994)1 – 14
- +Verbruggen,G. Malfait,A.M., Dewulf,M., Broddelez,C., Veys,E.M.
Standardization of nutrient media for isolated human articular chondrocytes in gelified agarose suspension culture
Osteoarthritis Cartilage 3 (1995)249 – 59
- +Verbruggen,G. Wittoek,R., Groenebor,S., Cruyssen,B.V., Goemaere,S., Elewaut,D.
Osteochondral repair in synovial joints
Curr Opin Rheumatol 19 (2007)265 - 71
- (+)Verbrugghe,J. Agten,A., Eijnde,O.B., Olivieri,E., Huybrechts,X., Seelen,H., Vandenabeele,F., Timmermans,A.
Feasibility of high intensity training in nonspecific chronic low back pain
J Back Musculoskel Rehab (2018)1 – 11 doi: 10.3233/BMR-170810 (nur Abstrakt)
- (+)Verbrugghe,J. Agten,A., Stevens,S., Hansen,D., Demoulin,C., Eijnde,B.O., Vandenabeele,F., Timmermans,A.
Exercise intensity matters in chronic nonspecific low back pain rehabilitation
Med Sci Sports Exerc (2019) July1, ahead of print; doi.org/10.1249/MSS.0000000000002078
- +Verbunt,J.A. Huijnen,I.P.J., Köke,A.
Assessment of physical activity in daily life in patients with musculoskeletal pain

- Eur J Pain 13 (2009)231 - 42
- +Verbunt,J.A. Seelen,H.A., Vlayen,J.W., van de Heijden,G.J., Heuts,P.H., Pons,K., Knottnerus,A.
- Disuse and deconditioning in chronic low back pain: concepts and hypothesis on contributing mechanisms Eur J Pain 7 (2003)9 - 21
- +Verbunt,J.A. Sieben,J.M., Seelen,H.A., Vlaeyen,J.W., Bousema,E., van der Heijden,G.J. et al.
- Decline in physical activity, disability and pain-related fear in subacute low back pain
- Eur J Pain 9 (2005)417 - 25
- +Verbunt,J.A. Sieben,J., Vlayen,J.W.S., Portegijs,P., Knotterus,J.A.
- A new episode of low back pain: Who relies on bed rest?
- Eur J Pain 12 (2008)508 – 16
- +Verbunt,J.A. Smeets,R.J., Wittink,H.
- Cause or effect? Deconditioning and chronic low back pain
- Pain 149 (2010)428 - 30
- +Verbunt,J.A. Westerterp,K., Van der Heijden,G.J., Seelen,H.A., Vlaeyen,J.W., Knottnerus,J.A.
- Physical activity in daily life in patients with chronic low back pain
- Arch Phys Med Rehabil 82 (2001)726 – 30
- +Verdugo,R.J. Ochoa,J.L.
- Reversal of hypoaesthesia by nerve block, or placebo : a psychologically mediated sign in chronic pseudoneuropathic pain patients
- J Neurol Neurosurg Psychiatry 65 (1998)196 – 203
- +Veres,S.P. Robertson,P.A., Broom,N.D.
- ISSLS prize winner: Microstructure and mechanical disruption of the lumbar disc annulus. Part II: How the annulus fails under hydrostatic pressure
- Spine 33 (2008)2711 – 20

+Veres,S.P.	Robertson,P.A., Broom,N.D. The morphology of acute disc herniation. A clinical relevant model defining the role of flexion Spine 34 (2009)2288 – 2296
+Veres,S.P.	Robertson,P.A., Broom,N.D. ISSLS prize winner: How loading rate influences disc failure mechanics. A microstructural assessment of internal disruption Spine 35 (2010)1897 - 908
Vergauwen,S.	Parizel,P.M., van Breusegem,L., van Goethem,J.W., Nackaerts,Y., van den Hauwe,L., de Schepper,A.M. Distribution and incidence of degenerative spine changes in patients with a lumbo-sacral transitional vertebra Eur Spine J 6 (1997)10.1007/BF01301431
Vergenegre,A.	(Clinical practice guidelines: a reader's guide) Revue Des Maladies Respiratoires 20 (2003)920 – 7 (zit. Cates,J.R. et al., 2006)
+Verhaak,P.F.	Kerssens,J.J., Dekker,J., Sorbi,M.J., Bensing,J.M. Prevalence of chronic benign pain disorder among adults: a review of the literature Pain 77 (1998)231 – 339
+Verhaeghe,N.	Schepers,J., van Dun,P., Annemans,L. Osteopathic care for spinal complaints: A systematic literature review PloSOne 13 (2018)11: e0206284 doi.org/10.1371/journal.pone.0206284
(+)Verhaeghe,N.	Schepers,J., van Dun,P., Annemans,L. Osteopathic care for low back pain and neck pain: A cost-utility analysis Compl Ther Med 40 (2018a)207 – 13 doi.org/10.1016/j.ctim.2018.06.001
+Verhagen,A.P.	Downie,A., Maher,C.G., Koes,B.W.

- Most red flags for malignancy in low back pain lack empirical support: a systematic review
Pain 158 (2017)1860 - 8
- +Verhagen,E. Lang,M., Watson,R., Moen,M.H.
Injuries and illness in olympic level water polo athletes – a three season prospective study
Dtsch Z Sportmed 72 (2021)195 – 202
doi.org/10.5960/dzsm.2021.482
- +Verhoeven,K. Crombez,G., Eccleston,C., van Ryckeghem,D.M.L., Morley,S., van Damme,S.
The role of motivation in distracting attention away from pain: an experimental study
Pain 149 (2010)229 - 34
- +Verissimo,F. Jordan,P.
WNK kinases, a novel protein kinase subfamily in multi-cellular organisms
Oncogene 20 (2001)5562 – 9
- Verkerk,K. Luijsterburg,P.A., Heymans,M.W., Ronchetti,I., Pool-Goudzwaard,A.I., Miedema,H.S., Koes,B.W.
Prognosis and course of pain in patients with chronic non-specific low back pain. A 1-year follow-up cogort study
Eur J Pain (2015)Jan (J Club Schmerzmed 2/2015)
- +Vermani,E. Mittal,R., Weeks,A.
Pelvic girdle pain and low back pain in pregnancy: a review
Pain Practice 9 (2010)60 - 71
- Verna,J.L et al. Back extension endurance and strength: the effect of variable-angle roman chair exercise training
Spine 27 (2002)1772 – 7 (zit. Andersen et al., 2006)
- Verna,S. et al. Release of cytokins by brain endothelial cells: a polarized response to lipopolysaccharide
Brain Behav Immun 2006 (in press) doi:10.1016/j.bbi.2005.10.005 (zit. Banks & Watkins, 2006)
- Vernese,L.F. Chu,S.K.
Spondylolysis: Assessment and treatment in youth athletes

- Curr Phys Med Rehab Rep (2017)
<http://link.springer.com/article/10.1007/s40141-017-0151-z>
- +Vernon,H.T. Aker,P., Burns,S., Viljakaanen,S., Short,L.
 Pressure pain threshold evaluation of the effect of spinal manipulation in the treatment of chronic neck pain: a pilot study
 J Manipulative Physiol Ther 13 (1990)13 – 16
- Vernon-Roberts,B. Disc pathology and disease states
 In: Gosh,P. (ed.) The Biology of the Intervertebral Disc, Vol.II
 Boca Raton, FL, CRC Press, 1988, 73 – 119
- Vernon-Roberts,B. The normal aging of the spine: degeneration and arthritis.
 In: Andersson,G.B.J., McNeill,T.W., eds.: Lumbar Spinal Stenosis, St.Louis, Mosby – Year Book, 1992, 57 – 75 (zit. Vernon-Roberts et al., 2007)
- +Vernon-Roberts,B. Fazzalari,N.I., Manthey,B.A.
 Pathogenesis of tears of the anulus investigated by multiple-level transaxial analysis of the T12 – L1 disc
 Spine 22 (1997)2641 – 6
- +Vernon-Roberts,B. Moore,R.J., Fraser,R.D.
 The natural history of age-related disc degeneration: the pathology and sequelae of tears
 Spine 32 (2007)2797 - 2804
- +Vernon-Roberts,B. Moore,R.J., Fraser,R.D.
 The natural history of age-related disc degeneration: the influence of age and pathology on cell populations in the L4 – L5 disc
 Spine 33 (2008)2767 – 73
- +Vernon-Roberts,B. Pirie,C.J.
 Degenerative changes in the intervertebral discs of the lumbar spine and their sequelae
 Rheumatol Rehabil 16 (1977)13 – 21
- +Verra,M.L. Angst,F., Lehmann,S., Aeschlimann,A.

- Translation, cross-cultural adaptation reliability and validity of the German version of the Coping Strategy Questionnaire (CSQ-D)
J Pain 7 (2006)327- 36
- +Verra,M.L. Angst,F., Lehmann,S., Brioschi,R., Schneiter,B., Aeschlimann,A.
Horticultural therapy for patients with chronic musculoskeletal pain: results of a pilot study
Altern Ther Health Med 18 (2012)44 – 50
- +Verral,G.M. Slavotinek,J.P., Barnes,P.G. et al.
Description of pain provocation tests used for the diagnosis of sports-related chronic groin pain: relationship of tests to defined clinical (pain and tenderness) and MRI (pubic marrow edema) criteria
Scand J Med Sci Sports 15 (2005)36 – 42
- +Verri,W.A.Jr. Cunha,T.M., Parada,C.A., Poole,J.S., Cunha,F.Q., Ferreira,S.H.
Hypernociceptive role of cytokines and chemokines: targets for analgesic drug development?
Pharmacol Ther 112 (2006)116 – 38
- +Vertes,R.P. Interactions among the medial prefrontal cortex, hippocampus and midline thalamus in emotional and cognitive processing in the rat
Neurosci 142 (2006)1 – 20
- +Verwoerd,A.J.H. Peul,W.C., Willemsen,S.P., Koes,B.H., Vlegger-Lankamp,C.L.A.M., el Barzouhi,A., Luijsterburg,P.A.L. :, Verhagen,A.P.
Diagnostic accuracy of history taking to assess lumbosacral nerve root compression
Spine J 14 (2014)2028 - 37
- Vezzani,A. Viviani,B.
Neuromodulatory properties of inflammatory cytokines and their impact on neuronal excitability
Neuropharmacology 96 (2015)70 – 82 (zit. Teodorczyk-Injeyan et al., 2018)

- +Viane,I. Crombez,G., Ecclestone,C., Poppe,C., Devulder,J., van Houdenhove,B., de Corte,W.
Acceptance of pain is an independent predictor of mental well-being in patients with chronic pain: empirical evidence and reappraisal
Pain 106 (2003)65 – 72
- Vibe Fersum,K. siehe Fersum,K.V.
- +Vicenzino,B. Collins,D., Benson,H., Wright,A.
An investigation of the interrelationship between manipulative therapy-induced hypoalgesia and sympathoexcitation
J Manipulative Physiol Ther 21 (1998)448 – 53
- +Vicentino,B. Collins,D., Wright,A.
The initial effects of a cervical spine manipulative physiotherapy treatment on the pain and dysfunction of lateral epicondylalgia
Pain 68 (1996)69 – 74
- Vicentino,B. et al. No influence of naloxone on the initial hypoalgesic effect of spinal manual therapy
In: Devor,M. et al. (eds.) Proceedings from the Ninth World Congress of Pain, Seattle, IASP-Press, 2000, p.1039 – 44
- Vickers,A.P. Cronin,A.M., Maschino,A.C., Lewith,G., MacPherson,H., Foster,N.E., Sherman,K.I., Witt,C.M., Linde,K.
Acupuncture for chronic pain: individual patient data meta-analysis
Ann Intern Med 172 (2012)1444 – 53 (zit. Ots, Dt.Z.Akup 57 (2014)4:5
- +Vickers,A.J. Linde,K.
Acupuncture for chronic pain
JAMA 311 (2014)955 – 6
- Vickers,A.J. Vertosik,E.A., Lewith,G., MacPherson,H., Foster,N.E., Sherman,K.I., Irnich,D., Witt,C.M., Linde,K.
Acupuncture Trialists Collaboration: Acupuncture for chronic pain: update of an individual patient data meta-analysis
J Pain 19 (2018)455 – 74 doi.org/10.1016/j.jpain.2017.11.05

+Vidal,J.

Borras,P.A., Ponseti,F.J., Cantallops,J., Ortega,F.B., Palou,P.

Effects of a postural education program on school backpack habits related to low back pain in children

Eur Spine J 22 (2013)782–7

(+)Vidal Ramos,L.A.

Callegari,B., Renovato Franca,F.J., Oliveira Magalhaes,M.,
Burke,T.N., de Moura,A.P., Carvalho e Silva,C., Leao
Almeida,G.P., Comachio,J., Paqual Marcos,A.

Comparison between transcutaneous electrical nerve stimulation and stabilization exercises in fatigue and transversus abdominis activation in patients with lumbar disc herniation : a ranomized study

J Manipulat Physiol Ther 41 (2018)323 – 31 (Abstakt),
doi.org/10.1016/j.jmpt.2017.10.010

Videman,T.

Battie,M.C.

A critical review of the epidemiology of idiopathic low back pain

In: Weinstein, J.N., Gordon, S. eds.: Low back pain. A scientific and clinical overview. Rosemont, American Academy of Orthopaedic Surgeons, 1996: 637 – 41 (zit. Shen et al., 2007)

+Videman,T.

Battie,M.C.

The influence of occupation on lumbar degeneration

Spine 24 (1999)1164 – 8

+Videman,T.

Battie,M.C.

Commentary: Back pain epidemiology – the challenge of case definition and developing new ideas

Spine J 12 (2012)71 - 2

+Videman,T.

Battie,M.C., Gibbons,L.E., Gill,K.

Aging changes in lumbar discs and vertebra and their interaction: a 15-year follow-up study

Spine J 14 (2014)469 - 78

+Videman,T.

Battie,M.C., Gibbons.L-, Maravilla,K., Manninen,H., Kaprio,J.

Associations between back pain history and lumbar MRI findings

- Spine 28 (2003)582 – 8
- +Videman,T. Battie,M., Gibbons,L.E., Gill,K.
- Age changes in lumbar discs and vertebra and their interaction : a 15-year follow-up study
- Spine J 14 (2014)469 - 78
- +Videman,T. Battie,M., Parent,E., Gibbons,L.E., Vainio,P., Kaprio,J.
- Progression and determinants of quantitative magnetic resonance imaging measures of lumbar disc degeneration
- Spine 33 (2008)1484 - 90
- +Videman,T. Gibbons,L.E., Battie,M.C
- Age- and pathology-specific measures of disc degeneration
- Spine 33 (2008)2781 - 8
- +Videman,T. Gibbons,L., Battie,M., Maravilla,K., Vanninen,E., Leppävuori,J., Kaprio,J., Peltonen,L.
- The relative roles of intragenic polymorphisms of the vitamin D receptor gene in lumbar spine degeneration and bone density
- Spine 26 (2001)E7 – 12
- +Videman,T. Leppävuori,J., Kaprio,J., Battie,M.C., Gibbons,L.E., Peltonen,L., Koskenvuo,M.
- Intragenic polymorphisms of the vitamin D receptor gene associated with intervertebral disc degeneration
- Spine 23 (1998)2477 – 85
- +Videman,T. Levälahti,E., Battie,M.C.
- The effects of anthropometrics, lifting strength, and physical activities in disc degeneration
- Spine 32 (2007)1406 - 13
- +Videman,T. Nurminen,M.
- The occurrence of annular tears and their relation to lifetime back pain history: a cadaveric study using barium sulphate discography
- Spine 29 (2004)2668 – 76

- +Videman,T. Nurminen,M., Troup,J.D.
1990 Volvo Award in clinical sciences. Lumbar spinal pathology in cadaveric material in relation to history of back pain, occupation and physical loading
Spine 15 (1990)728 – 40
- +Videman,T. Saarela,J., Kaprio,J., Näkki,A., Levälahti,E., Gill,K., Peltonen,L., Battie,M.C.
Associations of 25 structural, degradative, and inflammatory candidate genes with lumbar disc desiccation, bulging and high narrowing
Arthr Rheum 60 (2009)470 – 81
- +Videman,T. Sarna,S., Battie,M.C., Koskinen,S., Gill,K., Paananen,H., Gibbons,L.
The long-term effects of physical loading and exercise lifestyles on back-related symptoms, disability, and spinal pathology among men
Spine 20 (1995)699 – 709
- +Viehöfer,A.F. Shinohara,Y., Sprecher,C.M., Boszczyk,B.M., Buettner,A., Benjamin,M., Milz,S.
The molecular composition of the extracellular matrix of the human iliolumbar ligament
Spine J 15 (2015)1325 - 31
- +Vieira-Pellenz,F. Oliva-Pasqual-Vaca,A., Rodriguez-Blanco,C., Heredia-Rizo,A.M., Ricard,F., Almazan-Campos,G.
Short-term effect of spinal manipulation on pain perception, spinal mobility, and full height recovery in male subjects with degenerative disk disease: a randomized controlled trial
Arch Phys Med Rehabil 95 (2014)1813 - 9
- +Vierck,C.J.Jr. Mechanisms underlying development of spatially distributed chronic pain (fibromyalgia)
Pain 124 (2006)242 - 63
- +Vierck,C.J. Whitsel,B.I., Favorov,O.V., Brown,A.W., Tommerdahl,M.
Role of primary sensorimotoric cortex in the coding of pain
Pain 154 (2013)334 - 44

- +Vierck,C.J.Jr. Cannon,R.L., Fry,G., Maixner,W., Whitsel,B.L.
Characteristics of temporal summation of second pain sensations elicited by brief contact of glabrous skin by a preheated thermode
J Neurophysiol 78 (1997)992 – 1002
- +Vigneri,S. Sindaco,G., La Grua,M., Zanella,M., Lo Bianco,G., Paci,V., Vinci,F.M., Sciacca,C., Ravaioli,L., Pari,G.
Electrocatheter-mediated high-voltage pulsed radiofrequency of the dorsal root ganglion in the treatment of chronic lumbosacral neuropathic pain. A randomized controlled study
Clin J Pain 36 (2020)25 - 33
- +Viklund,P. Hustad,T., Danielsson,F., Skillgate,E.
A comparison of the effects of connective tissue massage and classical massage on low back pain – a randomized controlled trial
J Bodywork Movem Ther 19 (2015)672
- +Vikman,K.S. Duggan,A.W., Siddall,P.J.
Interferon gamma induced disruption of GABAergic inhibition in the spinal dorsal horn in vivo
Pain 133 (2007)18 – 28
- +Vilensky,J.A. O'Connor,B.L., Fortin,J.D., Merkel,G..J., Jimenez,A.M., Scofield,B.A., Kleiner,J.B.
Histologic analysis of neural elements in the human sacroiliacal joint
Spine 27 (2002)1202 – 7
- +Villanueva,L: Diffuse noxious inhibitory control (DNIC) as a tool for exploring dysfunction of endogenous pain modulatory systems (editorial)
Pain 143 (2009)161 – 2
- Villanueva,L. Cadden,S.W., Le Bars,D.
Evidence that diffuse noxious inhibitory controls (DNIC) are mediated by a final post-synaptic inhibitory mechanism
Brain Res 298 (1984)67 – 74

- +Vincent,A.M. Brownlee,M., Russell,J.W.
- Oxidative stress and programmed cell death in diabetic neuropathy
- Ann N Y Acad Sci 959 (2002)368 – 83
- +Vincent,K. Wang,S.F., Laferriere,A., Kumar,N., Coderre,T.J.
- Spinal intracellular metabotropic glutamate receptor 5 (mGluR5) contributes to pain and c-fos expression in a rat model of inflammatory pain
- Pain 158 (2017)705 - 16
- +Vincent,K. Warnaby,C., Stagg,C.J., Moore,J., Kennedy,S., Tracey,I.
- Brain imaging reveals that engagement of descending inhibitory pain pathways in healthy women in low endogenous estradiol state varies with testosterone
- Pain 154 (2013)515 - 24
- +Vincent,J.L. Patel,G.H., Fox, M.D., Snyder,A.Z., baker,J.T., van Essen,D.C., Zempel,J.M., Snyder,L.H., Corbetta,M., Raichle,M.E.
- Intrinsic functional architecture in the anesthetized monkey brain
- Nature 447 (2007)83 – 6
- +Vincent-Smith,B. Gibbons,P.
- Inter-examiner and intra-examiner reliability of the standing flexion test
- Man Ther 4 (1999)87 – 93
- +Vingard,E. Mortimer,M., Wiktorin,C., Pernold,G., Fredricksson,K., Nemeth,G., Alfredsson,L.
- Seeking care for low back pain in the general population: a two year follow-up study: results from the MUSIC-Norrtalje study
- Spine 27 (2002)2159 – 65
- +Vinik,A.I. Tuchman,M., Safirstein,B., Corder,C., Kirby,L., Wilks,K., Quessy,S., Blum,D., Grainger,J., White,J., Silver,M.
- Lamotrigine for the treatment of pain associated with diabetic neuropathy: results of two randomized, duple-blind, placebo-controlled studies

- Pain 128 (2007)169 - 79
- +Vining,R.D. Shannon,Z.K., Minkalis,A.L., Twist,E.J.
- Current evidence for diagnosis of common conditions causing low back pain: systematic review and standardized terminology recommendations
- J Manipul Physiol Ther (2019) Volltextzugriff 22.1.2020; doi.org/10.1016/j.jmpt.2019.08.002
- +Virnik,A.S. Gaggl,A., Likar,R., Stettner,H., Chiari,F.M.
- Vergleich der peripheren und zentralen Opiatwirkung bei Beckenkammtransplantationen. Rekonstruktion eines hoch atrophien Oberkiefers
- Schmerz 23 (2009)259 - 66
- +Virta,L. Rönneima,T., Österman,K., Aalto,T., Laakso,M.
- Prevalence of isthmie lumbar spondylolisthesis in middle – aged subjects from eastern and western Finland
- J Clin Epidemiol 45 (1992)917 – 22
- +Virtanen,I.M. Karppinen,J., Taimela,S., Ott,J., Barral.,S., Kaikkonen,K. et al.
- Occupational and genetic risk factors associated with intervertebral disc disease
- Spine 32 (2007)1129 – 34
- +Virtanen,I.M., Song,Y.Q., Cheung,K.M., Ala-Kokko,I., Karppinen,J., Ho,D.W.H., Luk,K.D.K., Yip,S.P., Leong,J.C.Y., Cheah,K.S.E., Sham,P., Chan,D.
- Phenotypic and population differences in the association between CILP and lumbar disc disease
- J Med Genet 44 (2007a)285 – 8
- Vischer,T.L. Fischer,W., Robert,J., Besozzi,R., Cedraschi,C. et al.
- Faktoren von Rückenschmerzen bei Angestellten eines Unternehmens mit Evaluation einer primärintervention. Vergleich mit einer Gruppe von Patienten mit chronischen Krebuzschmerzen.
- In: Keel,P., Perini,C., Schütz-Petitjean,D. (Hrsg.): Chronifizierung von Rückenschmerzen: Hintergründe, Auswege. Schlussbericht des nationalen

- Forschungsprogramms Nr. 26B; EULAR Verlag, Basel, 1996, S. 83 – 103 (Bibl.)
- +Viscusi,E.R. Webster,L., Kuss,M., Daniels,S., Bolognese,J.A., Zuckerman,S., Soerger,D.G., Subach,R.A., Cook,E., Skobieranda,F.
- A randomized, phase 2 study investigation TRV130, a biased ligand of the mu-opioid receptor, for the intravenous treatment of acute pain
- Pain 157 (2016)264 - 72
- +Vismara,L. Cimolin,V., Menegoni,F., Zaina,F., Galli,M., Negrini,S., et al.
- Osteopathic manipulative treatment in obese patients with chronic low back pain: a pilot study
- Man Ther 17 (2012)451 -5
- +Viton,J.M. Viton,E.P., Rubino,T., Delarque,A., Salamon,N.
- Short-term assessment of periradicular corticosteroid injections in lumbar radiculopathy associated with disc pathology
- Neuroradiology 40 (1998)59 – 62
- +Vives,M.J: The paraspinal muscles and their role in the maintenance of global spinal alignment. Another wrinkle in an already complex problem
- Spine J 16 (2016)459 - 61
- +Vlachjoannis,J. Chrubasik,S.
- Update zur Phytotherapie bei Rückenschmerzen
- Zschr Komplementärmed 15 (2023)5: 20-4
- +Vlachjoannis,J. Chrubasik,S.
- Zur Wirksamkeit von Symphytum officinale
- Zschr Komplementärmed 15 (2023)5: 48 - 54
- +Vlaeyen,J.W.S. Crombez,G., Linton,S.J.
- The fear-avoidance model of pain
- Pain 157 (2016)1588 - 9
- +Vlaeyen,J.W.S. de Jong,J., Geilen,M., Heuts,P.H., van Breukelen,G.

- Graded exposure in vivo in the treatment of pain-related fear: a replicated single-case experimental design in four patients with chronic low back pain
- Behav Res Ther 39 (2001)151 – 66
- +Vlaeyen,J.W.S. de Jong,J., Geilen,M., Heuts,P.H., van Breukelen,G.
- The treatment of fear of movement/reinjury in chronic low back pain: further evidence on the effectiveness of exposure in vivo
- Clin J Pain 18 (2002a)251 - 61
- +Vlaeyen,J.W.S. de Jong,J., Onghena,P., Kerckhoffs-Hansen,M. Kole-Sniders,A.M.
- Can pain-related fear be reduced? The application of cognitive-behavioural exposure in vivo
- Pain Res Manage 7 (2002b)144 - 53
- Vlaeyen,J.W.S. de Jong,J., Sieben,J., Crombez,G.
- Graded exposure in vivo for pain related fear
- In: Turk,D.C., Gatchel,R.J. (eds) Psychological approach to pain management, 2.nd. ed. NY: Guilford, 2002, p. 210 – 33 (zit Woods & Asmundson, 2008)
- +Vlaeyen,J.W.S. Kole-Snijders,A.M., Boeren,R.G., van Eek,H.
- Fear of movement/(re)injury in chronic low back pain and its relation to behaviorial performance
- Pain 62 (1995)363 – 72
- +Vlaeyen,J.W.S. Linton,S.J.
- Fear-avoidance and its consequences in chronic musculoskeletal pain: a state of the art
- Pain 85 (2000)317 – 32
- +Vlaeyen,J.W.S. Linton,S.J.
- Editorial: Are we „fear – avoidant“?
- Pain 124 (2006)240 - 1
- +Vlaeyen,J.W.S. Linton,S.J.

- Fear-avoidance model of chronic musculoskeletal pain: 12 years on
Pain 153 (2012)1144 - 7
- +Vlaeyen,J.W.S. Morley,S.
Cognitive-behavioral treatment for chronic pain: what works for whom?
Clin J Pain 21 (2005)1 - 8
- +Vlaeyen,J.W.S. Morley,S.
Active despite pain: the putative role of stop rules and current mood
Pain 110 (2004)512 - 16
- Vlaeyen,J.W.S. et al. The role of fear of movement /(re)injury in pain disability
J Occup Rehab 5 (1995 b)235 – 52
- +Vlainich,R. Machado Issy,A., Sakata,R.K.
Effect of intravenous lidocaine associated with amitryptiline on pain relief and plasma serotonin, norepinephrine, and dopamine concentrations in fibromyalgia
Clin J Pain 27 (2011)285 - 8
- +Vleeming,A. Funktionelle Anatomie: Bedeutung des Beckengürtels als Verbindung von Wirbelsäule und Beinen
In: Hildebrand,J, Müller,G., Pfingsten,M. (Hrsg.): Lendenwirbelsäule. Urban & Fischer, 2005, S.76 – 98
- +Vleeming,A. Albert,H.B., Ostgaard,H.C., Stureson,B., Stuge,B.
European guidelines for diagnostic and treatment in pelvic girdle pain
Eur Spine J 17 (2008)794 – 819
- +Vleeming,A. Buyruk,H.M., Stoeckart,R., Karamursel,S., Snijders,C.J.
An integrated therapy for peripartum pelvic instability: A study of the biomechanical effects of pelvic belts
Am J Obstet Gynec 166 (1992)1243 – 7
- +Vleeming,A. Pool-Goudzwaard,A.L., Hammudoglu,D., Stoeckart,R., Snijders,C.J., Mens,J.M.

- The function of the long dorsal sacroiliac ligament: its implication for understanding low back pain
- Spine 21 (1996)556 – 62
- +Vleeming,A. Schuenke,M.D., Masi,A.T., Carreiro,J.E., Danneels,L., Willard,F.H.
- The sacroiliacal joint: an overview of its anatomy, function and potential clinical implications
- J Anat 221 (2012)537 - 67
- +Vleeming,A. Stoeckart,R., Snijders,C.J., van Wingerden,J.P., Dijkstra,P.F.
- Das iliosakrale Gelenk: Anatomische, biomechanische und radiologische Aspekte
- Manuelle Med 29 (1991)31 - 4
- +Vleeming,A. Stoeckart,R., Volkers,A.C.W., Snijders,C.J.
- Relation between form and function in the sacroiliac joint. 2. Biomechanical aspects
- Spine 15 (1990)130 -2
- +Vo,N.V. Hartman,R.A., Yurube,T., Jacobs,L.J., Sowa,G.A., Kang,J.D.
- Expression and regulation of metalloproteinases and their inhibitors in intervertebral disc aging and degeneration
- Spine J 13 (2013)331 - 41
- +Vo,N. Ngo,K., McKernan,M.L., Studer,R., Lee,J.Y., Sowa,G.A., Kang,J.D.
- Tobacco smoke drastically upregulates matrix metalloproteinase expression in disc cells upon suppression of the p38 MAPK pathway
- Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012
- Spine J 12 (2012)Suppl.9: 42 – 3
- +Vo,N. Sowa,G.A., Kang,J.D., Studer,R.
- COX-2 – inhibition mitigated cytokin-mediated suppression of matrix proteoglycan and collagen syntheses in human disc cells

Proceedings of the 27th annual meeting of the North American Spine Society, Dallas, Texas, October 24 – 27, 2012

Spine J 12 (2012a)Suppl.9:106

+Vo,T.

Rice,A.S.C., Dworkin,R.H.

Non-steroidal anti-inflammatory drugs for neuropathic pain:how do we explain continued widespread use?

Pain 143 (2009)169 – 71

+Voegter,H.B.

Ussing,K., Johansen,J.V., Stegemejer,I., Polsson,T.S., O’Sullivan,P., Kent,P.

Effectiveness of cognitive functional therapy compared with multidisciplinary pain rehabilitation in patients with chronic disabling low back pain referred to a secondary care university pain centre – a propensity score matched case-control study

In: Vleeming et al. (eds.): 10th Interdisciplinary World Congress on Low Back Pain and Pelvic Girdle Pain, Antwerp, Belgium, 28.- 31.10.2019, S.69 - 72

+Vogel,J.

Wilke,J., Krause,F., Vogt,L., Niederer,D., Banzer,W.

Functional movement analysis in patients with chronic nonspecific low back pain: a reliability and validity study

BMC Musculoskelet Disord 20 (2019)395
doi.org/10.1186/s12891-019-2779-6

+Vogt,B.

Gosheger,G., Wirth,T., Horn,J., Rödl,R.

Beinlängendifferenz – Therapieindikationen und –strategien

Dtsch Ärztebl 117 (2020)405 - 11

+Vogt,B.A.

Pain and emotion interactions in subregions of the cingulate gyros

Nat Rev Neurosci 6 (2005)533 – 44

+Vogt,L.

Pfeifer,K., Banzer,W.

Neuromuscular control of walking with chronic low back pain

Man Ther 8 (2003)21 – 8

+Vogt,L.

Pfeifer,K., Portscher,M., Banzer,W.

- Influences of nonspecific low back pain on three- dimensional lumbar spine kinematics in locomotion
Spine 26 (2001)1910 – 9
- +Vogt,M.T. Cawthon,P.M., Kang,J.D., Donaldson,W.F., Cauley,J.A., Nevitt,M.C.

Prevalence of symptoms of cervical and lumbar stenosis among participants in the osteoporotic fractures in men study
Spine 31 (2006)1445 – 51
- +Vogt,M.T. Kwoh,C.K., Cope,D.K., Osial,T.A., Culyba,M., Starz,T.W.

Analgesic usage for low back pain: impact on health care costs and service use
Spine 30 (2005)1075 – 81
- Vogt,M.T Rubin,D., Valentin,R.S.

Lumbar olisthesis and lower back symptoms in elderly women. The Study of Osteoporotic Fractures
Spine 23 (1998)2640 – 7
- +Vogt,M.T. Rubin,D.A., Palermo,L., Christianson,L., Kang,J.D., Nevitt,M.C., Cauley,J.A.

Lumbar spine listhesis in older African American women
Spine J 3 (2003)255 – 61
- +Vögtle,E. Barke,A., Kröner-Herwig,B.

Nocebo hyperalgesia induced by social observational learning
Pain 154 (2013)1427 - 33
- +Voilley,N. de Weille,J., Lazdunski,M.

Nonsteroidal anti-inflammatory drugs inhibit both the activity and the inflammation-induced expression of the acid-sensing ion channels in nociceptors
J Neurosci 21 (2001)8026 – 33
- +Volinn,E. The epidemiology of low back pain in the rest of the world: a review of surveys in low- and middle-income countries
Spine 22 (1997)1747 – 54

- +Volinn,E. Fargo,J.D., Fine,P.
Opioid therapy for nonspecific low back pain and the outcome of chronic work loss
Pain 142 (2009)194 - 201
- +Volinn,E. Nishikitani,M., Volinn,W., Nakamura,Y., Yano,E.
Back pain claim rates in Japan and the United States: framing the puzzle
Spine 30 (2005)697 – 704
- +Volinn,E. van Koevering,D., Loeser,J.
Back sprain in industry: the role of socioeconomic factors in chronicity
Spine 16 (1991)542 – 8
- +Vollestad,N.K. Measurement of human muscle fatigue
J Neurosci Methods 74 (1997)219 – 227
- +Völlm,B.A. de Araujo,I.E., Cowen,P.J., Rolls,E.T., Kringelbach,M.L., Smith,K.A., Jezard,P., Heal,R.J., Matthews,P.M.
Methamphetamine activates reward circuitry in drug naïve human subjects
Neuropsychopharmacol 29 (2004)1715 – 22
- Vollmer,K.G. Achenbach,H.
Metabolism of ethyl DL-trans-2-dimethylamino-1-phenyl-cyclohex-3-ene-trans-1-carboxylic acid ester hydrochloride (Tilidine HC1). 1. Mass spectroscopic structural elucidation of metabolites I and II and their dertermination in various biologic fluids
Arzneimittelforschung 24 (1974)1237 – 42 zit. Wolfert et al., 2017)
- Vollmer,K.G. Hodenberg,A.V.
Metabolism of DL-trans-2-dimethylamino-1-phenyl-cyclohex-3-ene-trans-1-carboxylic acid ester hydrochloride (Tilidine HC1). 3. Renal elimination of metabolits in the rat, dog and man
Arzneimittelforschung 27 (1977)1707 – 13 zit. Wolfert et al., 2017)

- +Volmer,A. Chinesische Medizin bei Rückenschmerzen
Z Komplementärmed 1 (2009)2: 33 - 6
- +Volterra,A. Trotti,D., Racagni,G.
Glutamate uptake is inhibited by arachidonic acid and oxygen radicals via two distinct and additive mechanisms
Mol Pharmacol 46 (1994)986 – 92
- +Volz,H.P. Somatoforme Störungen
Schmerzmed 30 (2014)4: 11 - 3
- +Volz,M.S. Medeiros,L.F., Tarrago Ma,G., Vidor,L.P., Dall’Agnol,L., Deitos,A., Brietzke,A., Rozisky,J.R., Rispolli,B., Torres,I.L.S., Fregni,F., Caumo,W.
The relationship between cortical excitability and pain catastrophizing in myofascial pain
J Pain 14 (2013)1140 – 7
- +von Baeyer,C.L. Interpreting the high prevalence of pediatric chronic pain revealed in community surveys (commentary)
Pain 152 (2011)2683 - 4
- + , E. Krause,E., Prost,M., Wengler,A., Leddin,J., Müller,A., Zeisler,M.L., Anton,A., Rommel,A.
Prävalenz von Rücken und Nackenschmerzen in Deutschland. Ergebnisse der Krankheitslaststudie BURDEN 2020
J Health Monit (2021)Sonderheft 3 doi.org/10.25646/7854
- von Euler,U.S. Gaddum,J.H.
An unidentified depressor substance in certain tissue extracts
J Physiol 72 (1931)74 – 87 (zit. Linnman, 2013)
- +von Forell,G.A. Stephens,T.K., Samartzis,D., Bowden,A.F.
Low back pain. A biomechanical rationale based on „patterns“ of disc degeneration
Spine 40 (2015)1165 - 72
- +von Harder,Y. Schmerztherapie: Rechtliche Eckpunkte und Stolpersteine
Schmerz 21 (2007)462 -6

- von Heymann,W. Craniomandibuläre Dysfunktionen und Wirbelsäule – Aspekte einer Wechselbeziehung. Modell einer kybernetischen Integration
- In: Könecke,C. (Hrsg.) Die interdisziplinäre Therapie der craniomandibulären Dysfunktion. Quintessenz, Berlin, 2005 (zit. Neuhuber, 2005)
- +von Heymann,W. Zur Diagnostik segmentaler Funktionsstörungen an der Wirbelsäule
- Manuelle Med. 49 (2011)25 – 39
- +von Heymann,W. Differenzialdiagnostik und Therapie des akuten Kreuzschmerzes
- Manuelle Med 51 (2013)77 - 88
- +von Heymann,W. Vergleich chirotherapeutischer Manipulation mit Diclofenac- und Placebobehandlung bei akuter, nichtspezifischer Lumbalgie. Prospektiv-randomisierte Doppelblindstudie der MWE
- Manuelle Med 51 (2013a)307 – 12
- +von Heymann,W. CME Zertifizierte Fortbildung: Pseudoradikulärer / übertragener Beinschmerz
- Manuelle Med 53 (2015)233 – 43
- +von Heymann,W. Muskulatur und Bindegewebe. Stiefkinder des manipulierenden Manualmediziners
- Manuelle Med 54 (2016)4 - 9
- +von Heymann,W. Manuelle Medizin und ärztliche Osteopathie. Einheit und/oder Gegensatz?
- Manuelle Med 55 (2017)283 - 6
- +von Heymann,W. Über die Diagnostik des Sakroiliakalgelenks
- Manuelle Med 56 (2018)13 - 9
- +von Heymann,W. Böhni,U., Locher,H.
- Grundlagenforschung trifft Manualmedizin. Ergebnisse der Bodenseekonferenz deutschsprachiger Manualmediziner, 22. – 24. Juli 2005, Bad Horn, Schweiz
- Manuelle Med 43 (2005)385 – 94
- +von Heymann,W. Buchmann,J., Psczolla,M., Rozeboom,J.

- Strukturierte curriculäre Fortbildung *Osteopathische Verfahren*. Texte und Materialien der BÄK zur Fortbildung und Weiterbildung. Berlin, September 2013, 1. Auflage
- Manuelle Med 51 (2013a) 505 - 10
- +von Heymann, W. Klett, R.
- Zur Evidenz bei osteopathischen Studien
- Manuelle Med 56 (2018) 374 - 83
- +von Heymann, W. Köneke, A., Gorzny, F.
- Kraniomandibuläre Dysfunktion, assoziierte Heterophobie und auditive Verarbeitungs- und Wahrnehmungsstörungen, Differentialdiagnosen der Tonusasymmetrie und der sensomotorischen Dyskybernese
- Manuelle Med 48 (2010) 112 - 24
- +von Heymann, W. Locher, H., Böhni, U., Habring, M.
- Neuroanatomie – Teil 2. Fakten und Hypothesen zu Faszien, Dura und Hirnstamm
- Manuelle Med 50 (2012) 6 - 15
- +von Heymann, W. Moll, H., Rauch, G.
- Study on sacroiliacal joint diagnostics. Reliability of functional and pain provocation tests
- Manuelle Med 56 (2018) 239 - 48
- +von Heymann, W. Schloemer, P., Timm, J., Muehlbauer, B.
- Spinal high-velocity low amplitude manipulations in acute nonspecific low back pain
- Spine 38 (2013) 540 - 8
- +von Heymann, W. Stecco, C.
- Fasziale Dysfunktionen
- Manuelle Med 54 (2016) 303 - 6
- +von Heymann, W. Terrier, B.
- Leitlinien für die Grundlagen der Aus- und Weiterbildung und der Sicherheit in manueller/muskuloskelettaler Medizin.

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15.Oktober 2013. Offizieller Inhalt Version 3.1dt

Manuelle Med 52 (2014)131 – 45, 229 - 36

+von Korff,M. Studying the natural history of back pain

Spine 19 (1994)2041S – 2046S

von Korff,M. Potent opioids for chronic musculoskeletal pain: flying blind?

Pain 109 (2004)207 – 9

+von Korff,M. Opioids for chronic musculoskeletal pain: Putting patient
safety first (commentary)

Pain 154 (2013)2583 - 5

+von Korff,M. Crane,P., Lane,M., Miglioretti,D.L., Simon,G., Saunders,K.,
Stang,P., Brandenburg,N., Kessler,R.

Chronic spinal pain and physical-mental comorbidity in the
United States: results from the national comorbidity survey
replication

Pain 113 (2005a)331 – 9

+von Korff,M. DeBar,L.L., Krebs,E.E., Kerns,R.D., Deyo,R.A., Keefe,F.J.

Graded chronic pain scale revised: mild, bothersome, and
high-impact chronic pain

Pain 161 (2020)651 - 61

+von Korff,M. Dunn,K.M.

Chronic pain reconsidered

Pain 138 (2008)267 - 76

+von Korff,M. Dworkin,S.F., Le Resche,L., Kruger,A.

An epidemiologic comparison of pain complaints

Pain 32 (1988)173 – 83

+von Korff,M. Lin,E.H.B., Fenton,J.J., Saunders,K.

Frequency and priority of pain patient's health care use

Clin J Pain 23 (2007)400 - 8

+von Korff,M. Merrill,J.O., Rutter,C.M., Sullivan,M., Campbell,C.L.,
Weisner,C.

- Time-scheduled vs. pain-contingent opioid dosing in chronic opioid therapy
Pain 152 (2011)1256 - 62
- +von Korff,M. Miglioretti,D.L.
A prognostic approach to defining chronic pain
Pain 117 (2005)304 - 13
- +von Korff,M. Moore,J.C.
Stepped care for back pain. Activating approaches for primary care
Ann Intern Med 134 (2001)911 – 7
- +von Korff,M. Ormel,J., Keefe,F.J., Dworkin,S.F.
Grading the severity of chronic pain
Pain 50 (1992)133 – 49
- +von Korff,M. Saunders,K.
The course of back pain in primary care
Spine 21 (1996)2833 – 9
- +von Korn,K. Richter,M., von Pickartz,H.
Einschränkungen in der Erkennung von Basisemotionen bei Patienten mit chronischem Kreuzschmerz. Eine Querschnittsstudie zur Analyse von Emotionserkennung und Alexithymie
Schmerz 28 (2014)391 - 7
- von Neumann,J. Morgenstern,O.
Theory of games and economic behavior
Princeton,NY: Princeton University Press, 1944 (zit. Angevine & Bervin, 2014)
- +von Wichert,G. Häussler,U., Greten,F.R., Kliche,S., Dralle,H., Böhm,B.O., Adler,G., Seufferlein,T.
Regulation of cyclin D1 expression by autocrine IGF-1 in human BON neuroendocrine tumor cells
Oncogene 24 (2005)1284 – 9
- von Zerssen,D. Beschwerdeliste (B-L)

- Testzentrale, Göttingen, 1976 (zit. Hardt & Brähler, 2007)
- +Vos,T. Flaxman,A.Z., Naghavi,M., Lozano,R., Michaud,C., Ezzati,M., Shibuya,K., Salomon,J.A. und weitere 328 Autoren
- Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries, 1990 – 2010, a systematic analysis of the Global Burden of Disease Study 2010
- Lancet 380 (2012)2163 – 96
- +Vostatek,P. Novak,D., Rychnovsky,T., Rychnovska,S.
- Diaphragm postural function analysis using magnetic resonance imaging
- PLoS One 8 (2013)3 : e56724
- +Voudouris,N.J. Peck,C.L., Coleman,G.
- Conditioned placebo responses
- J Pers Soc Psychol 48 (1985)47 – 53
- +Voudouris,N.J. Peck,C.L., Coleman,G.
- The role of conditioning and verbal expectancy in the placebo response
- Pain 43 (1990)121 – 8
- +Vowles,K.E. Ashworth,J.
- Is opioid withdrawal necessary within comprehensive pain rehabilitation programs?
- Pain 152 (2011)1948 - 50
- +Vowles,K.E. Gross,R.T.
- Work-related beliefs about injury and physical capability for work in individuals with chronic pain
- Pain 101 (2003)291 – 8
- +Vowles,K.E. McCracken,L.E., Eccleston,C.
- Process of change in treatment for chronic pain: The contributions of pain, acceptance, and catastrophizing
- Eur J Pain 11 (2007)779 - 87
- +Vowles,K.E. McCracken,L.E., McLeod,C., Eccleston,C.

	The Chronic Pain Acceptance Questionnaire: Confirmatory factor analysis and identification of patient subgroups Pain 140 (2008)284 - 91
+Vowles,K.E.	McEntee,M.L., Juines,P.S., Frohe,T., Ney,J.P., van der Goes,D.N. Rates of opioid misuse, abuse and addiction in chronic pain: a systematic review and data synthesis Pain 156 (2015)569 - 76
+Vowles,K.E.	Robinson,M.E. Progressing towards acceptable treatment outcomes (editorial) Pain 144 (2009)228 - 9
+Vroomen,P.C.	de Krom,M.C., Wilmink,J.T., Kester,A.D.M., Knottnerus,J.A. Diagnostic value of history and physical examination in patient suspected of lumbosacral nerve root compression J Neurol Neurosurg Psychiatry 72 (2002)630 – 4
Vu,D.	Haylen,B.T., Farnsworth,A. Surgical anatomy of the uterosacral ligament Int Urogynecol J 21 (2010)1123 – 8 (zit. Morimoto et al., 2022)
+Waagen,G.	Haldeman,S., Cook,G., Lopez,D., DeBoer,K.F. Short term trial of chiropractic adjustments for the relief of chronic low back pain Man Med 2(1986)63-7
+Waddell,G.	1987 Volvo award in clinical sciences. A new clinical model for the treatment of low back pain Spine 12 (1987)632 - 44
+Waddell,G.	Low back pain: a twentieth century health care enigma Spine 21 (1996)2820 – 5
+Waddell,G.	The back pain revolution. Edinburgh: Churchill Livingstone; 1998 , 2004

- Waddell,G. Models of Disability: Using Low Back Pain as an Example. London,UK:Royal Society of Medicine Press, 2002 (zit. Hazard, 2013)
- +Waddell,G. Editorial: Nonorganic signs
Spine 29 (2004)1393
- +Waddell,G. Health care systems research (editorial)
Pain 124 (2006)7 - 8
- Waddell,G. Bircher,M., Main,C.J.
Symptoms and signs: physical disease or illness behaviour?
Br Med J 289 (1984)739 – 4 (zit. Nicholas et al., 2022a)
- Waddell,G. et al. Screening to identify people at risk of long term incapacity for work: a conceptual and scientific review
London, Royal Society of Medicine, 2003, p. 80 ff (zit. Enthoven et al., 2006)
- +Waddell,G. Main,C.J., Morris,E.W., di Paola,M., Gray,I.C.M.
Chronic low-back pain, psychologic distress, and illness behavior
Spine 9 (1984)209 - 13
- +Waddell,G. McCulloch,J.A., Kummel,E., Venner,R.M.
Nonorganic physical signs in low back pain
Spine 5 (1980)117 – 25
- +Waddell,G. Newton,M., Henderson,I., Sommerville,D., Main,C.J.
A Fear-Avoidance Beliefs Questionnaire (FABQ) and the role of fear-avoidance beliefs in chronic low back pain and disability
Pain 53 (1993)157 – 68
- +Waddell,G. O'Connor,M., Boorman,S., Torsney,B.
Working Backs Scotland: A public and professional health education campaign for back pain
Spine 32 (2007)2139 – 43
- +Wade,J.B. Riddle,D.L., Price,D.D., Dumenci,L.

- Role of pain catastrophizing during pain processing in a cohort of patients with chronic and severe arthritic knee pain
Pain 152 (2011)314 – 9
- +Wade,K.R. Robertson,P.A., Broom,N.D.
On the extent and nature of nucleus-annulus integration
Spine 37 (2012)1826 - 33
- +Wade,K.R. Robertson,P.A., Thambyah,A., Broom,N.D.
How healthy discs herniated. A biomechanical and microstructural study investigating the combined effects of compression rate and flexion
Spine 39 (2014)1018 - 28
- +Wade,K.R. Robertson,P.A., Thambyah,A., Broom,N.D.
“Surprise” loading in flexion increases the risk of disc herniation due to annulus-endplate junction failure
Spine 40 (2015)891 - 901
- +Wade,K.R. Schollum,M.L., Robertson,P.A., Thambyah,A., Broom,N.D.
SSLS prize winner: Vibration really does disrupt the disc. A microanatomical investigation
Spine 41 (2016)1185 - 98
- Wadhvani,S. Loughenbury,P., Soames,R.
The anterior dural (Hofmann) ligaments
Spine 29 (2004)623 – 7 (zit. Windisch, 2014)
- Wagenhäuser,F.J. Epidemiology of postural disorders in young people
Basel, Switzerland, 1977: 203 – 24 (so zit. Balague, 2011)
- +Wagner,C.J. Ayyad,G., Oetzdorff,A., Bienek,K., Marnitz,U., von Pickardt,B., Seidel,W., Sehlen,S., Supantia,P., Lindena,G.
Behandlungs- und Kosteneffekte der interdisziplinären multimodalen Schmerztherapie bei Patienten mit Rückenschmerz. Eine kontrollierte, nicht-randomisierte Interventionsstudie mit GKV-Daten und Teilnehmerbefragung
Schmerz 33 (2019)128 - 38

- +Wagner,C.J. Lindena,G., Ayyad,G., Otzdorff,A., Marnitz,U., Bienek,K., von Pickardt,B., Sehlen,S., Wyrwich,W.
- Weniger Operationen und Kosten wegen Rückenschmerzen in einem Versorgungsprogramm mit interdisziplinärem Zweitmeinungsverfahren. Eine kontrollierte, nichtrandomisierte Interventionsstudie mit GKV-Daten
- Schmerz 37 (2023)123 – 33 doi.org/10.1007/s00482-022-00624-2
- +Wagner,E. Ehrenhofer,B., Lackerbauer,E., Pawelak,U., Siegmeth,W.
- Rehabilitation des chronisch unspezifischen Kreuzschmerzes: Ergebnisse eines multimodalen stationären Behandlungskonzepts
- Schmerz 21 (2007)226 - 33
- +Wagner,H. Puta,C., Anders,C., Petrovitch,A., Schilling,N., Scholle,H.C.
- Chronischer unspezifischer Rückenschmerz. Von der Funktionsmorphologie zur Prävention
- Manuelle Med 47 (2009)39 - 51
- +Wagner,J.N. Der Schmerz und seine Grenze. Eine phänomenologische Betrachtung chronischer Schmerzen
- Schmerz 39 (2025)108 – 16 doi.org/10.1007/s00482-023-00776-9
- +Wagner,R. Jangjigian,M., Myers,R.R.
- Anti-inflammatory interleukin-10 therapy in CCI neuropathy decreases thermal hyperalgesia, macrophage recruitment, and endoneurial TNF-alpha expression
- Pain 74 (1998)35 – 42
- +Wagner,R. Myers,R.R.
- Schwann cells produce tumor necrosis factor alpha: expressions in injured and non-injured nerves
- Neurosci 73 (1996)625 – 9
- +Wagner,R. Myers,R.R.
- Endoneural injection of TNF – alpha produces neuropathic pain behaviours
- Neuroreport 7 (1996)2897 – 901 (zit. Sasaki et al., 2007)

- Wagner,T.D. Rilling,J.K., Smith,E.E., Sokolik,A., Casey,K.L., Davidson,R.J., Kossolyn,S.M., Rose,R.M., Cohen,J.D.
Placebo-induced changes in fMRI in the anticipation and experience of pain
Science 303 (2004)1162 – 7 (zit. Porro, 2009)
- +Wahlström,J. Burström,L., Nilsson,J., Järvholm,B.
Risk factors for hospitalisation due to lumbar disc disease
Spine 37 (2012)1334 - 9
- +
Wai,E.K. Howse,K., Pollock,J.W., Dornan,H., Vexler,L., Dageanis,S.
The reliability of determining “leg dominant pain”
Spine J 9 (2009)447 - 53
- +Wai,E.K. Rodriguez,S., Dagenais,S., Hall,H.
Evidence-informed management of chronic low back pain with physical activity, smoking cessation, and weight loss
Spine J 8 (2008)195 - 202
- +Wai,E.K. Roffey,D.M., Bishop,P., Kwon,B.K., Dagenais,S.
Casual assessment of occupational bending or twisting and low back pain: results of a systematic review
Spine J 10 (2010)76 - 88
- +Wai,E.K. Roffey,D.M., Bishop,P., Kwon,B.K., Dagenais,S.
Casual assessment of occupational lifting and low back pain: results of a systematic review
Spine J 10 (2010a)554 - 66
- +Wainwright,E. Bevan,S., Blyth,F.M., Khalatbari-Soltani,S., Sullivan,M.J.L., Walker – Bone,K., Ecclestone,C.
Pain, work and the workplace: a topical review
Pain 163 (2022)408 – 14
doi.org/10.1097/j.pain.0000000000002413
- +Wajswelner,H. Metcalf,B., Bennell,K.

- Clinical Pilates versus general exercise for chronic low back pain: randomized trial
Med Sci Sports Exerc 44 (2012)1197 – 205 kwon
- +Wahren,H. Herniated nucleus pulposus in a child of twelve years
Acta Orthopaedica 16 (1945)40 - 2
- +Wako,M. Ohba,T., Ando,T., Arai,Y., Koyama,K., Hamada,Y., Nakao,A., Haro,H.
Mechanism of signal transduction in tumor necrosis factor-like weak inducer of apoptosis-induced matrix degradation by MMP-3 upregulation in disc tissues
Spine 33 (2008)2489 - 94
- +Walach,H. Generalized entanglement: a new theoretical model for understanding the effects of complementary and alternative medicine
J Altern Complement Med 11 (2005)549 - 59
- +Walder,R.Y. Gautam,M., Wilson,S.P., Benson,C.J., Sluka,K.A.
Selective targeting of ASIC3 using artificial miRNAs inhibits primary and secondary hyperalgesia after muscle inflammation
Pain 152 (2011)2348 – 56
- +Walder,R.Y. Radhakrishnan,R., Loo,L., Rasmussen,L.A., Mohapatra,D.P., Wilson,S.P., Sluka,K.A.
TRPV1 is important for mechanical and heat sensitivity in uninjured animals and development of heat hypersensitivity after muscle inflammation
Pain 153 (2012)1664 - 72
- +Waldmann,R. Proton-gated cation channels – neuronal acid sensors in the central and peripheral nervous system
Adv Exp Med Biol 21 (2001)8026 – 33
- +Waldmann,R. Lazdunski,M.
H(+)-gated cation channels: Neuronal acid sensors in the NaC/DEG family of ion channels
Curr Opin Neurobiol 8 (1998)418 – 24

--Walker,B.F.	The prevalence of low back pain: a systematic review of the literature from 1966 to 1998 J Spinal Disord 13 (2000)205 – 17 (zit, Hoskins et al. (2010)
+Walker,B.F.	French,S.D., Grant,W., Green,S. A Cochrane review of combined chiropractic interventions for low back pain Spine 36 (2011)230 - 42
+Walker,B.F.	Hebert,J.I., Stomski,N.I., Clarke,B.R., Bowden,R.S., Losco.B., French,S.D. Outcomes of usual chiropractic. The OUCH randomized controlled trial of adverse events Spine 38 (2013)1723 - 9
+Walker,B.F.	Hebert,J.I., Stomski,N.J., Losco,B., French,S.D. Short term usual chiropractic care for spine pain Spine 38 (2013a)2071 - 8
+Walker,B.F.	Muller,R., Grant,W.D. Low back pain in Australian adults. Health provider utilisation and care seeking J Manipulative Physiol Ther 27 (2004)327 – 35
+Walker,J.M.	Huang,S.M., Strangman,N.M., Tsou,K., Sanudo-Pena,M.C. Pain modulation by release of the endocannabinoid anandamide Proc Natl Acad Sci USA 96 (1999)12198 – 203
-Walker,R.J.	Schultz,W. Adaptive coding of reward value by dopamine neurons Science 307 (2005)1642 - 5
Wall,P.D.	Cord cells responding to touch, damage, and temperature of skin J Neurophysiol 23 (1960)197 – 210 (zit. Treede & Lenz, 2006)
Wall,P.D.	Future trends in pain research

- Philos Trans R Soc Lond B Biol Sci 308 /1136/ (1985)393 – 401 (zit. Locher et al., 2013)
- Wall,P.D. Devor,M.
- Sensory afferent impulses originate from dorsal root ganglia as well as from the periphery in normal and nerve injured rats
- Pain 17 (1983)321 – 39 (zit. Siemionow et al., 2006)
- Wall,P.D. Melzack,R.
- Textbook of Pain
- Edinburgh, London, New York; Churchill Livingstone; 1999
- Wall,P.D. Woolf,C.J.
- Muscle but not cutaneous c-afferent input produces prolonged increases in the excitability of the flexion reflex in the rat
- J Physiol 356 (1984)443 – 58 (zit. Vierck, 2006)
- +Wallace,A.S. Freburger,J.K., Darter,J.D., Jackman,A.M., Carey,T.S.
- Comfortably numb? Exploring satisfaction with chronic back pain visits
- Spine J 9 (2009)721 - 8
- +Wallin,J. Cui,J.G., Yakhnitza,V., Schechtmann,G., Meyerson,B.A., Linderoth,B.
- Gabapentin and pregabalin suppress tactile allodynia and potentiate spinal cord stimulation in a model of neuropathy
- Eur J Pain 6 (2002)261 - 72
- Wallwork,S.B. Braithwaite,F.A., O’Keeffe,M., Travers,P.J., Summers,S.J., Lange,B., Hince,D.A., ..., Moselely,G.L.
- The clinical course of acute, subacute and persistent low back pain: a systematic review and meta-analysis
- Can Med Ass J 196(2024)2: E29 – E46
doi.org/10.1503/cmaj.230542
- +Walsh,A.J. Bradford,D.S., Lotz,J.C.
- In vivo growth factor treatment of degenerated intervertebral discs

- Spine 29 (2004)156 – 63
- +Walsh,A.J. Lotz,J.C.
- Biological response of the intervertebral disc to dynamic loading
- J Biomech 37 (2004)329 – 37 (zit. Steele et al., 2015)
- +Walsh,D.A. Radcliffe,J.C.
- Pain beliefs and perceived physical disability of patients with chronic low back pain
- Pain 97 (2002)23 - 31
- (-)Walsh,N. Jones,L., Phillips,S., Thomas,R., Odoni.L., Palmer,S., Cramp,F., Pollock,J., Hurley,M.
- Facilitating activity and self-management for people with arthritic knee, hip or lower back pain (FASA): a cluster randomized trial
- Musculoskel Sci Pract 50 (2020)Dec, 102271
doi.org/10.1016/j.msksp.2020.102271
- +Walsh,N.E. Schwartz,R.K.
- The influence of prophylactic orthoses on abdominal strength and low back pain injury in the workplace
- Am J Phys Med Rehabil 69 (1990)245 – 50
- +Walsh,T.L. Hanscom,B., Lurie,J.D., Weinstein,J.N.
- Is a condition-specific instrument for patients with low back pain/leg symptoms really necessary? The effectiveness of the Oswestry Disability Index, MODEMS, and the SF-36
- Spine 28 (2003)607 – 15
- +Walsh,T.R. Weinstein,J., Spratt,K. et al.
- Lumbar discography in normal subjects: A controlled prospective study
- J Bone Joint Surg. Am 72 (1990)1081 – 8
- +Walston,Z. McLester,C.
- Importance of early improvement in the treatment of low back pain with physical therapy

- Spine 45 (2020)534 - 40
- +Walter,B.A. Purmessur,D., Likhitpanichkul,A., Weinberg,A., Cho,S.K., Qureshi,S.A., Hecht,A.C., Iatridis,J.C.
- Inflammatory kinetics and efficacy of anti-inflammatory treatments on human nucleus pulposus cells
- Spine 40 (2015)955 - 63
- +Walter,C. Lötsch,J.
- Meta-analysis of the relevance of the OPRM1 118A>G genetic variant for pain treatment
- Pain 146 (2009)270 - 5
- Walther,D.S. Applied Kinesiology, Synopsis 275
- West Abriendo, Pueblo, Colorado, 1988, (zit. Ridder, 2000)
- +Wand,B.M. Bird,C., McAuley,J.H., Dore,C.J., MacDowell,M., de Souza,L.H.
- Early intervention for the management of acute low back pain: a single-blind randomized controlled trial of biopsychosocial education, manual therapy and exercise
- Spine 29 (2004)2350 – 6
- +Wand,B.M. Keeves,J., Bourgoin,C., George,P.J., Smith,A.J., O’Connell,N.E., Moseley,G.L.
- Mislocation of sensory information in people with chronic low back pain. A preliminary investigation
- Clin J Pain 29 (2013)737 - 43
- Wand,B.M. O’Connell,N.E.
- Chronic non-specific low back pain – sub-groups or a single mechanism?
- BMC Musculoskelet Disord 9 (2008)11
- +Wand,B.M. Parkitny,L., O’Connell,N.E., Luomajoki,H., McAuley,J.H., Thacker,M., Moseley,G.L.
- Cortical changes in chronic low back pain: current state of the art and implications for clinical practice
- Man Ther 16 (2011)15 - 20

- +Wand,B.M. Tulloch,V.M., George,P.J., Smith,A.J., Goucke,R.,
O'Connell,N.E., Moseley,G.L.
- Seeing it helps. Movement-related back pain is reduced by
visualization of the back during movement
- Clin J Pain 28 (2012)602 - 8
- +Wander,R. Störfeld Kiefergelenk – Wirkung auf den Gesamtorganismus
- Dt Z Akup 47 (2004)4: 28 - 33
- +Wander,R. Due Akupunktur und Neuraltherapie – ideale Ergänzung
- Dt Z Akupunkt 66 (2023)82 – 4 doi.org/10.1007/s42212-023-
00548-8
- +Wang,C.M. Chang,Y.Y., Kuo,J.S., Sun,S.H.
- Activation of P2X(7) receptors induced ((3)H)GABA release
from the RBA-2 type-2astrocyte cell line through a Cl (-)/HCO
(3)(-) dependent mechanism
- Glia 37 (2002)8 – 18
- Wang,C.M. Chang,Y.Y., Sun,S.H.,
- Activation of P2X7 purinoceptor-stimulated TGF-beta 1 mRNA
expression involvesPKC/MAPK signalling pathwayin a rat
brain-derived type-2 astrocyte cell line,RBA-2
- Cell Signalling 15 (2003)1129 – 37 (zit. McMahon et al.,
2005)
- +Wang,D. Gao,Y., Ji.H., Hong,Y.
- Topical and systemic administration of ketanserin attenuate
hypersensitivity and expression of CGRP in rats with spinal
nerve ligation
- Eur J Pharmacol 627 (2010)124 - 30
- +Wang,D. Vo,N.V., Sowa,G.A., Hartman,R.A., Ngo,K., Choe,S.R.,
Witt,W.T., Dong,Q., Lee,J.Y., Niedernhofer,L.J., Kang,J.D.
- Bupivacaine decreases cell viability and matrix protein
synthesis in an intervertebral disc organ model system
- Spine J 11 (2011)139 - 46
- +Wang,D.L. Jiang,S.D., Dai,L.Y.

- Biologic response of the intervertebral disc to static and dynamic compression in vivo
Spine 32 (2007b)2521 – 8
- +Wang,F Shen,X., Guo,X., Peng,Y., Liu,Y., Xu,S., Yang,J.
Spinal macrophage migration inhibitory factor contributes to the pathogenesis of inflammatory hyperalgesia in rats
Pain 148 (2010)275 - 83
- +Wang,F. Ma,S.B., Tian,Z.C., Cui,Y.T., Cong,X.Y.,Wu,W.B., Wang,F.D., Li,Z.Z. und weitere 7 Autoren
Nociceptor-localized cGMP-dependent protein kinase I is a critical generator for central sensitization and neuropathic pain
Pain 162 (2021)135 – 51
doi.org/10.1097/j.pain.0000000000002013
- Wang,F. Smith,N.A., Xu,Q., Fujita,T., Baba,A., Matsuda,T., Takano,T., Bekar,I., Nedergaard,M.
Astrocytes modulate neural network activity by Ca(2)(+)-dependent uptake of extracellular K (+)
Sci Signal 5 (2012d)ra26 (zit. Ji et al., 2013)
- +Wang,H. Ahrens,C., Friedrich,H.C., Daniel,V., Schiltenswolf,M.
P120: patterns of circulating cytokins in patients with chronic low back pain and depression – a prospective longitudinal study of 6 months
Pain Pract 9 (2009)Suppl.1: 126 – 7
- +Wang,H. Akbar,M., Weinsheimer,N., Gantz,S., Schiltenswolf,M.
Longitudinal observation of changes in pain sensitivity during Opioid tapering in patients with chronic low-back pain
Pain Med (2011b) doi: 10.1111/j.1526-4637.2011.01276.x
- +Wang,H. Heijnen,C.J., Eijkelkamp,N., carbajal,A.G., Schedlowski,M., Kelley,K.W., Dantzer,R., Kavelaars,A.
GRK2 in sensory neurons regulates epinephrine-induced signalling and duration of mechanical hyperalgesia
Pain 152 (2011a)1649 - 58
- +Wang,H. Weinsheimer,N., Akbar,M., Schiltenswolf,M.

- Veränderte Schmerzschwellen während und nach Opioidentzug bei Patienten mit chronischen Rückenschmerzen
- Schmerz 24 (2010a)257 – 61
- +Wang,H. Schiltenswolf,M.
- Zur Rolle der Zytokine bei Patienten mit Rückenschmerzen und Fibromyalgie
- Schmerz 24 (2010b)276 - 8
- +Wang,H, Schiltenswolf,M., Buchner,M.
- The role of TNF-alpha in patients with chronic low back pain – a prospective comparative longitudinal study
- Clin J Pain 24 (2008)273 - 8
- Wang,H. Siemens,J.
- TRP ion channels in thermosensation, thermoregulation and metabolism
- Temperature 2 (2015)178 – 87
- doi.org/10.1080/23328940.2015.1040604
- +Wang,H.G. Lu,F.M., Jin,I., Udo,H., Kandel,E.R., de Vente,J. et al.
- Presynaptic and postsynaptic roles of NO, cGK, and RhoA in long lasting potentiation and aggregation of synaptic proteins
- Neuron 45 (2005)389 – 403
- +Wang,J. Leonardo,M.J.
- Roles of caspases in apoptosis, development, and cytokine maturation revealed by homozygous gene deficiencies
- J Cell Sci 113 (2000)753 – 7
- +Wang,J. Yang,X.
- Age-related changes in the orientation of lumbar facet joints
- Spine 34 (2009)E 596 - 8
- +Wang,J.C. Shapiro,M.S., Hatch,J.D., Knight,J., Dorey,F.J., Delamarter,R.B.,
- The outcome of lumbar discectomy in elite athletes
- Spine 24 (1999)570 - 3

- +Wang,J.L. Wu,T.K., Lin,T.C., Cheng,C.H., Huang,S.C.
Rest cannot always recover the dynamics properties of fatigue-loaded intervertebral discs
Spine 33 (2008)1863 – 9
- +Wang,K. Jiang,C., Wang,L., Wang,H., Niu,W.
The biomechanical influence of anterior vertebral body osteophytes on the lumbar spine: A finite element study
Spine J 18 (2018a)2288 - 96
- Wang,M. Wang,X., Wu,J., Shen,Y., Qiu,Y., Sun,X., Zhou,D., Jiang,Y.
Lumbar apex position as an independent risk factor for adjacent segmental diseases in patients undergoing short-level transforaminal lumbar interbody fusion
Spine 49 (2024)1435 – 44
doi.org/10.1097/BRS.0000000000005043
- Wang,M. Xu,L., Chen,X., Zhu,Q., Du,C., Yang,B., Zhu,Z., Wang,B., Qiu,Y., Sun,X.
Optimal reconstruction of sagittal alignment according to global alignment and proportion score can reduce adjacent segmental degeneration after lumbar fusion
Spine 46 (2021b)E257 – 66
doi.org/10.1097/BRS.0000000000003761
- +Wang,N. Wang,J.Y., Luo,F.
Corticotropin-releasing hormone facilitates acute, but inhibits chronic pain in rats
Pain 142 (2008)108 - 15
- +Wang,N. Tytell,J.D., Ingber,D.E.
Mechanotransduction at a distance: mechanically coupling the extracellular matrix with the nucleus
Nat Rev Mol Cell Biol 10 (2009d)75 - 82
- +Wang,R. Guo,W., Ossipov,M.H., Vanderah,T.W., Porreca,F., Lai,J.
Glial cell line-derived neurotrophic factor normalizes neurochemical changes in injured dorsal root ganglion neurons and prevents the expression of experimental pain

- Neurosci 121 (2003)815 – 24
- +Wang,R. Rossomando,A., Sah,D.W.Y., Ossipov,M.H., King,T., Porreca,F.
Artemin induced functional recovery and reinnervation after partial nerve injury
Pain 155 (2014a)476 - 84
- +Wang,S. Lim,G., Zeng,Q., Sung,B., Yang,L., Mao,J.
Central glucocorticoid receptors modulate the expression and function of spinal NMDA receptors after peripheral nerve injury
J Neurosci 25 (2005)488 – 95
- +Wang,S. Lim,G., Mao,J., Sung,B., Yang,L., Mao,J.
Central glucocorticoid receptors regulate the upregulation of spinal cannabinoid-1 receptors after peripheral nerve injury in rats
Pain 131 (2007)96 - 105
- +Wang,S. Tian,Y., Song,L., Lim,G., Tan,Y., You,Z., Chen,L., Mao,J.
Exacerbated mechanical hyperalgesia in rats with genetically predisposed depressive behavior: Role of melatonin and NMDA receptors
Pain 153 (2012c)2448 - 57
- +Wang,S.M. Kain,Z.N., White,P.
Acupuncture analgesia: I. The scientific basis
Anesth Analg 106 (2008)602 – 10
- +Wang,S.S. Meadows,J.
Immediate and carryover changes of C5-6 joint mobilization on shoulder external rotator muscle strength
J Manipulative Physiol Ther 33 (2010)102 - 8
- +Wang,T. Pelletier,M.H., Christou,C., Olivier,R., Mobbs,R.J., Walsh,W.R.
A novel in vitro large animal model of lumbar spinal joint degeneration
Spine J 18 (2018)1896 - 1909

- +Wang,T.Z. Wang,F., Tian,Z.C., Li,Z.Z., Liu,W.N., Ding,H., Xie,T.T., Cao,Z.X.
und weitere 6 Autoren
- Cingulate cGMP-dependent protein kinase I facilitates chronic pain and pain-relates anxiety and depression
- Pain 164 (2023a)2447 – 62
doi.org/01.1097/j.pain.0000000000002952
- +Wang,W. Wu,S., Wang,Y. et al.
- 5 – hydroxytryptamine 1A receptor is involved in the bee venom induced inflammatory pain
- Pain 106 (2003)135 – 42
- +Wang,W. Wang,S., Lin,W., Li,X., Andersen,L.L., Wang,Y.
- Efficacy of whole body vibration therapy on pain and functional ability in people with non-specific low back pain: a systematic review
- BMC Complement Med Ther 20 (2020)158
doi.org/10.1186/s12906-020-02948-x
- +Wang,X. Li,J.L., Shi,G.X., Zhang,N., Yan,C.Q., Zhang,Y.N., Hong,Y.Y., Yang,J.W., Liu,C.Z.
- Psychological and neurological predictors of acupuncture effect in patients with chronic pain: a randomized controlled neuroimaging trial
- Pain 164 (2023)1578 – 92
doi.org/10.1097/j.pain.0000000000002859
- +Wang,X. Ratnam,J., Zou,B., England,P.M., Basbaum,A.I.
- TrkB signalling is required for both the induction and maintenance of tissue and nerve injury-induced persistent pain
- J Neurosci 29 (2009c)5508 – 15
- +Wang,X.J. Kong,K.M., Qi,W.L., Song,P.S.
- Interleukin-1 beta induction of neuron apoptosis depends on p38 mitogen activated protein kinase activity after spinal cord injury
- Acta Pharmacol Sin 26 (2005)934 – 42
- +Wang,X.M. Hamza,M., Wu,T.X., Dionne,R.A.

- Upregulation of IL-6, IL-8 and CCL2 gene expression after acute inflammation: correlation to clinical pain
- Pain 142 (2009a)275 - 83
- +Wang,X.M. Wu,T.X., Hamza,M., Ramsay,E.S., Wahl,S.M., Dionne,R.A.
- Rofecoxib modulates multiple gene expression pathways in a clinical model of acute inflammatory pain
- Pain 128 (2007a)136 – 47
- +Wang,X.T. Zheng,R., Suo,Z.W., Liu,Z.Y., Zhang,Z.Y., Ma,Z.A., Xue,Y., Yang,X., Hu,X.D.
- Activity-dependent dephosphorylation of paxillin contributed to nociceptive plasticity in spinal cord dorsal horn
- Pain 157 (2016)652 - 65
- +Wang,X.Y. Guo,X., Cheng,J.C.Y., Mi,Y.L., Lai,P.Y.M.
- Involvement of calcitonin gene-related peptide innervation in the promoting effect of low intensity pulsed ultrasound on spinal fusion without decortication
- Spine 35 (2010c)E 1539 – 45
- +Wang,Y. Liu,C., Guo,Q.I., Yan,J.Q., Zhuo,X.Y., Huang,C.S., Zou,W.Y.
- Intrathecal S-azacytidine inhibits global DNA-methylation and methyl-CpG-binding-2 expression and alleviates neuropathic pain in rats following chronic constriction injury
- Brain Res 1418 (2011c)64 - 9
- +Wang,Y. Videman,T., Battie,M.C.
- Modic changes: prevalence, distribution patterns, and association with age in white men
- Spine J 12 (2012)411 - 6
- +Wang,Y. Videman,T., Battie,M.C.
- Lumbar vertebral endplate lesions. Prevalence, classification and association with age
- Spine 37 (2012a)1432 – 9
- +Wang,Y. Videman,T., Battie,M.C.

- ISSLS Prize winner: Lumbar vertebral endplate lesions.
Associations with disc: Degeneration and back pain history
Spine 37 (2012b)1490 - 6
- +Wang,Y. Wu,J., Wu,Z., Lin,Q., Yue,Y., Fang,L.
Regulation of AMPA reception in spinal nociception
Mol Pain 6 (2010e)5: 1 - 9
- +Wang,Y. Yuan,H., Xu,D., Wy,W.
Balace acupuncture: An experimental study on the effectiveness of treating radicular pain in lumbar disc herniation rat model
Dt Ztschr Akup 52 (2009b)4: 24 - 32
- +Wang,Y.J. Shi,Q., Lu,W.W., Cheung,C.M., Darowish,M., Li,T.F., Dong,Y.f., Zhou,C.J., Zhou,Q., Hu,Z.J., Liu,M., Bian,Q., Li,C.G., Luk,K.D.K., Leong,J.C.Y.
Cervical intervertebral disc degeneration induced by unbalanced dynamic and static forces: a novel in vivo rat model
Spine 31 (2006)1532 – 8
- +Wang,Y.Q. Wang,J., Xia,S.H., Gutstein,H.B., Huang,Y.H., Schlüter,O.M., Cao,J.L., Dong,Y.
Neuropathic pain generates silent synapses in thalamic projection to anterior cingulate cortex
Pain 162 (2021a)1322 – 33
doi.org/10.1097/j.pain.0000000000002149
- Wang,X. Martin,G., Sadeghirad,B., Chang,Y., Florez,I.D., Couban,R.J., Mehra,F., ..., Busse,J.W und weitere 14 Autoren
Common interventional procedures for chronic non-cancer spinal pain: a systematic review and network meta-analysis of randomized trials
BMJ 388 (2025)e079970 doi.org/10.1136/bmj-2024-079970

- Wang,X.Y.J. Schmorl's node of primarily developmental cause and Schmorl's node of primarily acquired cause: two related yet different entities
- Quant Imaging Med Surg 13 (2023b)4044 – 9
doi.org/10.21037/qims-23-252
- +Wang,Y.X.J. Deng,M., Griffith,J.F., Kwok,A.W.L., Leung,J.C.S., Ahuja,A.T., Kwok,T.,Leung,P.C.
- Lumbar spondylolisthesis progression and de novo spondylolisthesis in elderly Chinese men and women
- Spine 41 (2016a)1096 - 1103
- +Wang,Z. Hutton,W.C., Yoon,S.T.
- ISSLS prize winner: Effect of link protein peptide on human intervertebral disc cells
- Spine 38 (2013)1501 - 7
- +Wang,Z. Hutton,W.C., Yoon,S.T.
- Bone morphogenetic protein-7 anatgonizes tumor necrosis factor-alpha-induced activation of nuclear factor kappa B and up-redulation of the ADAMTS, leading to decreased degradation of disc matrix macromolecules aggrecan and collagen II
- Spine J 14 (2014)505 - 12
- +Wang,Z. Ma,W., Chabot,J.G., Quirion,R.
- Calcitonin gene-related paptide as a regulator of neuronal CaMKII-CREB, microglial p38-NFkappaB and astroglial ERK-Stat1/3 cascades mediating the development of tolerance to morphine-induced analgesia
- Pain 151 (2010d)194 - 205
- +Wang,Z. Parent,S., Mac-Thiong,J.M., Petit,Y., Labelle,H.
- Influence of sacral morphology in developmental spondylolisthesis
- Spine 33 (2008)2185 – 91
- +Wang,Z.Q. Porreca,F., Cuzzocrea,S., Galen,K., Lightfoot,R., Masini,E., Muscoli,C., Mollace,V., Ndengele,M., Ischiropoulos,H., Salvemini,D.

- A newly identified role for superoxide in inflammatory pain
J Pharmacol Exp Ther 309 (2004)869 – 78
- +Wang,Z.X. Hu,Y.G.
High-intensity zone (HIZ) of lumbar intervetebral disc on T2 weighted magnetic resonance images: spatial distribution, and correlation of distribution with ow back pain
Eur Spine J 21 (2012)1311 – 5
- +Wangler,S. Peroglio,M., Menzel,U., Benneker,L.M., Haglund,L., Sakai,D., Alini,M., Graad,S.
Mesenchymal stem cell homing into intervertebral discs enhances the Tie2-positive progenitor cell population, prevent cell death, and induces a proliferative response
Spine 44 (2019)1613 - 22
- Ward,R. Foundations for Osteopathic Medicine. Baltimore, Williams & Wilkins, 1997 (zit. Rennie, 2007)
- +Ward,S.R. Kim,C.W., Eng,C.M., Gottschlk,L.J., Tomiya,A., Garfin,S.R., Lieber,R.L.
Architectural analysis and intraoperative measurements demonstrate the unique design of the multifidus muscle for lumbar spine stability
J Bone Joint Surg Am 91 (2009)176 – 85
- +Warden,S.J. Bennell,K.L., McMeeken,J.M., Wark,J.D.
Acceleration of fresh fracture repair using the sonic accelerated fracture healing system (SAFHS): a review
Clacif Tissue Int 66 (2000)157 – 63
- +Warden,S.J. Favaloro,J.M., Bennell,K.L., McMeeken,J.M., Ng,K.W., Zajac,J.D. et al.
Low-intensity pulsed ultrasound stimulates a bone forming response in UMR-106 cells
Biochem Biophys Res Commun 286 (2001)443 – 50
- Ware,J. SF-36 Health Survey.Manual and Interpretation Guide, Boston,MA, Nimrod Press, 1993

- +Ware Jr J.E. Kosinski,M., Gandek,B., Aaronson,N.K., Apolone,G., Bech,P., Brazier,J., Bullinger,M., Kaasa,S., Iepke,A., Prieto,L., Sullivan,M.
- The factor structure of the SF-36 health survey in 10 countries: results from the IQOLA Project, International Quality of Life Assessment
- J Clin Epidemiol 51 (1998)1159 – 65
- Warhol,M.J. Siegel,A.J., Evans,W.J., Silverman,L.M.
- Skeletal muscle injury and repair in marathon runners after competition
- Am J Pathol 118 (1985)331 -9 (zit. Schroeter et al., 2024)
- Waris,E. Eskelin,M., Hermunen,H., Kiviluoto,O., Paajanen,H.
- Disc degeneration in low back pain: A 17 – year follow-up study using magnetic resonance imaging
- Spine 32 (2007)681 - 4
- +Warke,K. Al-Smadi,J., Baxter,D., Walsh,D.M., Lowe-Strong,A.S.
- Efficacy of transcutaneous electrical nerve stimulation (TENS) for chronic low back pain in a multiple sclerosis population
- Clin J Pain 22 (2006)812 – 19
- +Warncke,T. Jorum,E., Stubhaug,A.
- Local treatment with the N-methyl-D-aspartate receptor antagonist ketamine inhibits development of secondary hyperalgesia in man by a peripheral action
- Neurosci Lett 227 (1997)1 – 4
- +Warren,M.P. Brooks-Gun,J., Hamilton,L.H., Warren,F., Hamilton,W.G.
- Scoliosis and fractures in young ballet dancers. Relation to delayed menarche and secondary amenorrhea
- N Engl J Med 314 (1986)1348 – 53
- +Wartenberg,H.C. Kaiser,M., Baumgarten,G., Kurpgoweit,S.
- Verbessert Krankengymnastik auf neurophysiologischer Basis Schmerzen und Funktion bei chronischen lumbalen Rückenschmerzen
- Abstracts Deutscher Schmerzkongress 2003

	Schmerz 17 (2003) Suppl.1: S86
+Wasan,A.	Spinal cord stimulation in a workers' compensation population: How difficult it can be to interpret a clinical trial (commentary)
	Pain 148 (2010)3 - 4
+Wasan,A.	Davar,G., Jamison,R.N.
	The association between psychopathology and placebo analgesia in patients with discogenic low back pain
	Pain 117 (2005)450 – 61
+Wasan,A.D.	Butler,S.F., Budman,S.H., Benoit,C., Fernandez,K., Jamison,R.N.
	Psychiatric history and psychologic adjustment as risk factors for aberrant drug-related behavior among patients with chronic pain
	Clin J Pain 23 (2007)307 – 15
+Wasan,A.D.	Butler,S.F., Budman,S.H., Fernandez,K., Weiss,R.D., Greenfield,S.H., Jamison,R.N.
	Does report of craving opioid medication predict aberrant drug behavior among chronic pain patients
	Clin J Pain 25 (2009)193 – 8
+Wasan,A.D.	Loggia,M.I., Cheo,L.Q., Napadow,V., Kong,J., Gollub,R.I.
	Neural correlates of chronic low back pain measured in arterial spin labelling
	Anesthesiology 115 (2011)364 – 74
+Wasiak,R.	Young,A.E., Dunn,K.M., Cote,P., Gross,D.P., Heymans,M.W., von Korff,M.
	Back pain recurrence: an evaluation of existing indicators and direction for future research
	Spine 34 (2009)970 - 7
+Wasner,G.	Baron,R., Jänig,W.
	Dynamic mechanical allodynia in humans is not mediated by a central presynaptic interaction of A beta – mechanoreceptive and nociceptive C – afferents

- Pain 79 (1999)113 – 9
- +Wassell,J.T. Gardner,L.I., Landsittel,D.P., Johnston,J.J., Johnston,J.M.
A prospective study of back belts for prevention of back pain and injury
JAMA 284 (2000)2727 – 32
- +Watanabe,K. Mochida,J., Nomura,T., Okuma,M., Sakabe,K., Seiki,K.
Effect of reinsertion of activated nucleus pulposus on disc degeneration: an experimental study on various types of collagen in degenerative discs
Connect Tissue Res 44 (2003)104 -8
- Watanabe,K. Konno,S.I., Sekiguchi,M., Sasaki,N., Honda,T., Kikuchi,S.I.
Increase of 200-kDa neurofilament-immunoreactive afferents in the substantia gelatinosa in allodynic rats induced by compression of the dorsal root ganglion
Spine 32 (2007)1265 – 71
- +Waterman,B.R. Belmon,P.J., Schoenfeld,A.J.
Low back pain in the United States: incidence and risk factors for presentation in the emergency setting
Spine J 12 (2012)63 - 70
- +Waterschoot,F.P.C. Dijkstra,P.U., Hollak,N., de Vries,H.J., Geertzen,J.H.B., Reneman,M.F.
Dose or content? Effectiveness of pain rehabilitation programs for patients with chronic low back pain
Pain 155 (2014)179 - 89
- +Waterworth,R.F. Hunter,I.A.
An open study of diflunisal, conservative and manipulative therapy in the management of acute mechanical low back pain
N Z Med J 98 (1985)372 – 5
- Watkins,L.R. Maier,S.F.
Beyond neurons: evidence that immune and glial cells contribute to pathological pain states

	Physiol Rev 80(2)981 – 1011 (zit. Ito et al., 2007)
+Watkins,L.R.	Maier,S.F.
	Glia : a novel drug discovery target for clinical pain
	Nat Rev Drug Discov 2 (2003)973 – 85
+Watkins,L.R.	Milligan,E.D., Maier,S.F.
	Glial proinflammatory cytokines mediate exaggerated pain states: implications for clinical pain
	Adv Exp Med Biol 521 (2003)1 – 21
+Watkins,R.G. III	Great rehabilitation and great physical bodies allow professional athletes undergoing lumbar discectomy to return to sport at a high rate (commentary)
	Spine J 11 (2011)187 - 9
+Watkins,R.G. IV	Williams,L.A., Watkins,R.G.III
	Microscopic lumbar discectomy results for 60 cases in professional and Olympic athletes
	Spine J 3 (2003)100 - 5
+Watson,A.	El-Deredy,W., Ianetti,G.D., Lloyd,D., Tracey,I., Vogt,B.A., Nadeau,V., Jones,A.K.P.
	Placebo conditioning and placebo analgesia modulate a common brain network during pain anticipation and perception
	Pain 145 (2009)24 - 30
+Watson,C.J.	Insular balance of glutamatergic and GABAergic signaling modulates pain processing
	Pain 157 (2016)2194 - 207
+Watson,C.P.N.	Babul,N.
	Efficacy of oxycodone in neuropathic pain
	Neurology 50 (1998)1837 – 41
+Watson,C.P.N.	Gilron,I., Sawynok,J.
	A qualitative, systematic review of head-to-head randomized, controlled trials of oral analgesics in neuropathic pain
	Pain Res Manag 15 (2010)147 – 57

+Watson,C.P.N.	Gilron,I., Sawynok,J., Lynch,M.E. Nontricyclic antidepressant analgesics and pain: are serotonin norepinephrine reuptake inhibitors (SNRIs) any better? Pain 152 (2011)2206 - 10
+Watson,D.	Clark,L.A., Tellegen,A. Cross-cultural convergence in the structure of mood: a Japanese replication and comparison with U.S. findings J Pers Soc Psych 47 (1984)127 – 44
-Watson,D. et al.	Development and validation of a brief measure of positive and negative affect: the PANAS scales J Pers Soc Psychol 54 (1988)1063 – 70 (zit. Cook et al., 2006)
Watson,D.	Clark,L.A. Negative affectivity: the disposition to experience aversive emotional states Psychol Bull 96 (1984)465 - 90 (zit. Geisser et al., 2006)
+Watson,D.	Pennebaker,J.W. Health complaints, stress, and distress: exploring the central role of negative affectivity Psychol Rev 96 (1989)234 - 54
Watson,D.	Tellegen,A. Toward a consensual structure of mood Psychol Bull 98 (1985)219 - 35 (zit. Geisser et al., 2006)
+Watson,K.D.	Papageorgiou,A.C., Jones,G.T., Taylor,S., Symmons,D.P., Silman,A.J., Macfarlane,G.J. Low back pain in schoolchildren: Occurrence and characteristics Pain 97 (2002)87 – 92
+Watson,K.D.	Papageorgiou,A.C., Jones,G.T., Taylor,S., Symmons,D.P.M., Silman,A.J., Macfarlane,G.J. Low back pain in schoolchildren: the role of mechanical and psychological factors

	Arch Dis Child 88 (2003)12 -7
+Watson,P.J.	Booker,C.K., Main,C.J. Evidence for the role of psychological factors in abnormal paraspinal activity in patients with chronic low back pain J Musculoskel Pain 5 (1997)41 – 56
+Watson,P.J.	Booker,C.K., Moores,L., Main,C.J. Returning the chronically unemployed with low back pain to employment Eur J Pain 8 (2004)359 - 69
+Watson,P.J.	Bowey,J., Purcell-Jones,G., Gales,T. General practitioner sickness absence certification for low back pain is not directly asociated with beliefs about back pain Eur.J. Pain 12 (2008)314 - 20
+Watson,P.J.	Main,C.L., Waddell,G., Gales,T.F., Purcell-Jones,G. Medical certified work loss, recurrence and costs of wage compensation for back pain: a follow-up study of the working population of Jersey Br J Rheumatol 37 (1998)82 – 6
+Watters,W.C.III	Baisden,J., Gilbert,T.J., Kreiner,S., Resnick,D.K., Bono,C.M., Ghiselli,G., Heggeness,M.H., Mazanec,D.J., O'Neill,C., Reitman,C.A., Shaffer,W.O., Summers,W.O., Toton,J.F. Degenerative lumbar stenosis: an evidence-based clinical guideline for the diagnosis and treatment of degenrative lumbar spinal stenosis Spine J 8 (2008)305 - 10
+Watters,W.C.III	Bono,C.M.,Gilbert,T.J., Kreiner,S., Mazanec,D.J., Shaffer,W.O., Baisden,J., Easa,J.E., Fernand,R., Ghiselli,G., Heggeness,M.H., Mendel,R.C., O'Neill,C., Reitman,C.A., Resnick,D.K.,Summers,W.O., Timmons,J.D., Toton,J.F. An evidence-based clinical guideline for the diagnosis and treatment of degenerative lumbar spondylolisthesis Spine J 9 (2009)609 - 14
Watts,R.W.	Silagy,C.A.

	A meta analysis of the efficacy of epidural corticoids in the treatment of sciatica Anaesth Intensive Care 23 (1995)564 – 9 (zit. Fisher & Bishop, 2007)
+Waxman,R.	Tennant,A., Helliwell,P. Community survey of factors associated with consultation for low back pain BMJ 317 (1998)1564 – 7
+Waxman,R.	Tennant,A., Helliwell,P. A prospective follow-up study of low back pain in the community Spine 25 (2000)2085 – 90
+Waxman,S.G.	Cummins,T.R., Dib-Hajj,S., Fjell,J., Black,J.A. Sodium channels, excitability of primary sensory neurons and the molecular basis of pain Muscle Nerve 22 (1999)1177 – 87
+Waxman,S.G.	Dib-Hadjj,S., Cummins,T.R., Black,J.A. Sodium channels and pain Proc Natl Acad Sci USA 96 (1999a)7635 – 9
+Waxman,S.G.	Kocsis,J.D., Black,J.A. Type III sodium channels mRNA is expressed in embryonic but not adult spinal sensory neurons, an is reexpressed following axotomy J Neurophysiol 72 (1994)466 – 70
+Weaver,J.C.	Cervoni,M., Champange,F.A., d'Alessio,A.C., Sharma,S., Seckl,J.R., Dymon,S., Szyf,M., Meaney,M.J. Epigenetic programming by maternal behaviour Nat Neurosci 7 (2004)847 – 54
+Weaver,M.	Schnoll,S. Abuse liability in opioid therapy for pain treatment in patients with an addiction history Clin J Pain 18 (2002)S61 – 9

- +Webb,R. Brammah,T., Iunt,M., Urwin,M., Allison,T., Symmons,D.
Prevalence and predictors of intense, chronic and disabling neck and back pain in the UK general population
Spine 28 (2003)1195 – 202
- +Weber,B. Grob,D., Dvorak,J.
Posterior surgical approach to the lumbar spine and its effect on the multifidus muscle
Spine 22 (1997)1765 – 72
- Weber,H. Lumbar disc herniation: a controlled prospective study with ten years of observation
Spine 8 (1983)131 – 40
- +Weber,H. Aasand,G.
The effect of phenylbutazone on patients with acute lumbago-sciatica: a double blind trial
J Oslo City Hosp 30 (1980)69 – 72
- +Weber,H. Holme,I., Amlie,E.
The natural course of acute sciatica with nerve root syndromes in a double-blind placebo-controlled trial evaluating the effect of Piroxicam
Spine 18 (1993)1433 – 8
- Weber,U. Salman,E.
BWS-Deformitäten im Kindesalter
Man Med 45 (2007)6 – 15
- +Weber-Rajek,M. Lulinska-Kuklik,E., Orłowska,K., Czerniachowska,I., Radziminska,A., Moska,W.
Evaluating the effectiveness of various forms of physical therapy in low back pain treatment
Trends Sport Sci 23 (2016)147 - 54
- +Webster,B.S. Bauer,A.Z., Choi,Y.S., Cifuentes,M., Pransky,G.S.
Iatrogenic consequences of early magnetic resonance imaging in acute, work-related, disabling low back pain
Spine 38 (2013)1939 - 46

Webster,B.S.	Verma,S.K., Gatchel,R.J. Relationship between early opioid prescribing for acute occupational low back pain and disability duration, medical costs, subsequent surgery and late opioid use Spine 32 (2007)2127 - 32
+Webster,B.S.	Verma,S., Pransky,G.S. Outcomes of workers compensation claimants with low back pain undergoing intradiscal electrothermal therapy Spine 29 (2004)435 – 41
+Webster,C.I.	Hatcher,J., Burrel,M., Thorn,G., Thornton,P., Gurrell,I., Chessell,I. Enhanced delivery of IL-1 receptor antagonist to the central nervous system as a novel anti-transferrin receptor-IL-1RA fusion reverses neuropathic mechanical hypersensitivity Pain 158 (2017)660 - 8
+Webster,D.F.	Harvey,W., Dyson,M., Pond,J.B. The role of ultrasound-induced cavitation in the “in vitro” stimulation of collagen synthesis in human fibroblasts Ultrasonics 18 (1980)33 – 7
+Webster,L.R.	Webster,R.M. Predicting aberrant behaviors in opioid-treated patients: preliminary validation of the opioid risk tool Pain Med 6 (2005)432 - 42
Webster,R.S.	Snook,S.H. The costs of 1989 workers compensation low back pain claims Spine 19 (1994)1111 – 6 (zit. LaCaille et al., 2007)
Websters Dictionary	Webster’s Third New International Dictionary, Ecyropaedia Britannica, Chicago, 1986
+Wedderkopp,N.	Andersen,L.B., Froberg,K., Leboeuf-Yde,C. Backpain reporting in young girls appears to be puberty-related

- BMC Musculoskeletal Disord 6 (2005)52
- +Wedderkopp,N. Leboeuf-Yde,C., Andersen,L.B., Froberg,K., Hansen,H.S.
- Back pain reporting patterns in a Danish population-based sample of children and adolescents
- Spine 26 (2001)1879 – 83
- +Wedderkopp,N. Leboeuf-Yde,C., Bo,A.L., Froberg,K., Hansen,H.S.
- Back pain in children: no association with objectively measured level of physical activity
- Spine 28 (2003)2019 – 24
- +Wedderkopp,N. Kjaer,P., Hestbaek,L., Korsholm,L., Leboeuf-Yde,C.
- High-level physical activity in childhood seems to protect against low back pain in early adolescence
- Spine J 9 (2009)134 – 41
- +Weeks,W.B. Goerts,C.M., Long,C.R., Meeker,W.C., Marchiori,D.M:
- Association among opioid use, treatment preferences and perceptions of physician treatment recommendations in patients with neck and back pain
- J Manipul Physiol Ther 41 (2018)175 - 80
- +Weeks,W.B., Ventura,J., Justice,B., Hsu,E., Milstein,A.
- Multistakeholder recommendations for improving value of spine care. Key themes from a roundtable discussion at the 2015 NASS Annual Meeting
- Spine J 16 (2016)801 - 4
- +Weerapong,P. Hume,P.A., Kolt,G.S.
- The mechanisms of massage and effects on performance, muscle recovery and injury prevention
- Sports Med 35 (2005)235 – 56
- +Weerasekera,A. Knight,P.C., Alsshelh,Z., Morrissey,E.J., Kim,M., Zhang,Y., Napadov,V., ..., Loggia,M.L. und weitere 4 Autoren
- Thalamic neurometabolite alterations in chronic low back pain: a common phenomenon across musculoskeletal pain conditions

- Pain 165 (2024)126 – 34
doi.org/10.1097/j.pain.0000000000003002
- +Wegener,A. Homöopathische Notfallapotheke im Bergsport
Zeitschr Komplementärmed 7 (2015)3: 38 - 41
- Wegener,H.C. Cifu,A.S.
Treatment of low back pain
JAMA 318 (2017)743 - 4
- +Wegener,S.T. Castillo,R.C., Haythornthwaite,J., Mackenzie,E.J., Bosse,M.J.
for the LEAP study group
Psychological distress mediates the effect of pain on function
Pain 152 (2011)1349 - 57
- +Weh,L. Wir müssen die Versorgung chronisch Rückenkranker
grundsätzlich ändern
Orthopäde 38 (2009)883 – 4
- +Weh,L. Marnitz,U.
Der Orthopäde im interdisziplinären Setting. Multimodale
Therapie beim chronischen Rückenschmerz
Orthopäde 38 (2009)913 - 9
- +Wehling,M. Paracetamol. Wirksam und sicher bis ins hohe Alter
Schmerz 27 (2013)20 - 5
- +Wei,A. Brisby,H., Chung,S.A., Diwan,A.D.
Bone morphogenetic protein-7 protects human intervertebral
disc cells in vitro from apoptosis
Spine J 8 (2008)466 – 74
- +Wei,H. Koivisto,A., Saarnilehto,M., Chapman,H., Kuokkanen,K.,
Hao,B., Huang,J.L., Wang,Y.X., Pertovaara,A.
Spinal transient receptor potential ankyrin 1 channel
contributes to central pain hypersensitivity in various
pathophysiological conditions in the rat
Pain 152 (2011)582 - 91
- Wei, M. et al. The relationship of attachment variables to career decision-
making self efficacy and fear of commitment

- Career Dev Quart 52 (2004)363 – 9 (zit. Meredith et al., 2006)
- Weidenhammer,W., Linde,K., Streng,A., Hoppe,A., Melchart,D.
Acupuncture for chronic low back pain in routine care: a multicenter observational study
Clin J Pain 23 (2007)128 – 35
- +Weiland,T. Wessel,K.
Schmerzgeplagter Patient mit Steppergang: Wie klären Sie akute Lumbago ab?
MMW – Fortschr Med 149 (2007)45: 48 - 9
- +Weiler,C. Nerlich,A.G., Zipperer,J., Bachmeier,B.E., Boos,N.
2002 SSE award competition in basic science: expression of major matrix metalloproteinases is associated with intervertebral disc degeneration and resorption
Eur Spine J 11 (2002)308 – 20
- +Weiler,C. Nerlich,A.G., Bachmeier,B.E., Boos,N.
Expression and distribution of TNF-alpha in human lumbar intervertebral discs. A study in surgical specimen and autopsy controls
Spine 30 (2005)44 - 53
- +Weiler,C. Schietzsch,M., Kirchner,T., Nerlich,A.G., Boos,N., Wuertz,K.
Age-related changes in human cervical, thoracal and lumbar intervertebral disc exhibit a strong intra-individual correlation
Eur Spine J 21 (2012)Suppl 6: S 810 – 8
- +Weinberg,R. Jackson,A., Kolodny,K.
The relationship of massage and exercise to mood enhancement
Sport Psychol 2 (1988)202 – 11 (zit. Weerapong et al., 2005)
- +Weiner,B.K. Spine Update: The biopsychosocial model and spine care
Spine 33 (2008)219 - 23
- +Weiner,B.K. Black,K.P., Gish,J.
Access to spine care for the poor and near poor

	Spine J 9 (2009)221 - 4
+Weiner,B.K.	Fraser,R.D.
	Foraminal injection for lateral lumbar disc herniation
	J Bone Joint Surg Br 79 (1997)804 – 7
+Weiner,D.K.	Haggerty,C.L., Kritchevsky,S.B., Harris,T., Simonsick,E.M., Nevitt,M., Newman,A.,
	How does low back pain impact physical function in independent, well functioning older adults? Evidence from the Health ABC cohort and implications for the future
	Pain Med 4 (2003)311 – 20
Weiner,D.K.	Kim,Y.S., Bonino,P., Wang,T.
	Low back pain in older adults: are we utilizing healthcare resources wisely?
	Eur J Pain 7 (2006)143 – 50 (Interneteinsicht 29.8.17)
+Weiner,D.K.	Perera,S., Rudy,T.E., Glick,R.M., Shenoy,S., Delitto,A.
	Efficacy of percutaneous electrical nerve stimulation and therapeutic exercise for older adults with chronic low back pain: a randomized clinical trial
	Pain 140 (2008)344 - 57
+Weinman,J.	Ebrecht,M., Scott,S., Walburn,J., Dyson,M.
	Enhanced wound healing after emotional disclosure interventions
	Br J Health Psychol 13 (2008)95 – 102
+Weinstein,J.N.	Partnership doctor and patient: advocacy for informed choice vs informed consent
	Spine 30 (2005)269 – 72
+Weinstein,J.N.	Science: The good, bad, and the ugly. Finding the gold for our patients
	Spine 45 (2020)1 - 2
+Weinstein,J.N.	Lurie,J.D., Tosteson,T.D., Skinner,J.S., Hanscom,B., Tosteson,A.N.A., Herkowitz,H., Fischgrund,J., Cammisa,F.P., Albert,T., Deyo,R.A.

- Surgical vs. nonoperative treatment for lumbar disc herniation – the spine patient outcomes research trial (SPORT) observational cohort
- JAMA 296 (2006)2451 – 8
- +Weinstein,J.N. Lurie,J.D., Tosteson,T.D., Tosteson,A.N.A., Blood,E.A., Abdu,W.A., Herkowitz,H., Hilibrand,A., Albert,T., Fischgrund,J.
- Surgical versus nonoperative treatment for lumbar disc herniation: four-year results for the Spine Patient Outcome Research Trial (SPORT)
- Spine 33 (2008)2789 – 800
- +Weinstein,J. Pope,M., Schmidt,R., Seroussi,R.
- Neuropharmacologic effects of vibrations on the dorsal root ganglion: an animal model
- Spine 13 (1988)521 – 5
- +Weinstein,J.N. Tosteson,T.D., Lurie,J.D., Tosteson,A.N.A., Hanscom,B., Skinner,J.S., Abdu,W.A., Hilibrand,A.S., Boden,S.D., Deyo,R.A.
- Surgical vs. nonoperative treatment for lumbar disc herniation – the spine patient outcomes research trial (SPORT)
- JAMA 296 (2006)2441 – 50
- +Weinstein,J.N. Tosteson,T.D., Lurie,J.D., Tosteson,A., Blood,E., Herkowitz,H., Cammisa,F., Albert,T., Boden,S.D., Hilibrand,A., Goldberg,H., Berven,S., An,H.
- Surgical versus nonoperative treatment for lumbar stenosis four-year results of spine patient Outcome research trial
- Spine 35 (2010)1329 - 38
- Weinstein,S.L. Adolescent idiopathic scoliosis: prevalence and natural history
- In: Weinstein,S.L.(ed.): The pediatric spine: principles and practice; New York, Raven Press, 1994, p. 463 – 78 (zit. Qiu et al., 2007)
- +Weinstein,S.L. Lurie,J.D., Tosteson,T.D., Blood,E.A., Abdu,W.A., Herkowitz,H., Hilibrand,A., Albert,T., Fischgrund,J.

	Surgical versus nonoperative treatment for lumbar disc herniation: four year results for the spine patient outcomes research trial (SPORT) Spine 33 (2008)2789 - 800
+Weinstein,S.L.	Ponseti,I.V. Curve progression in idiopathic scoliosis J Bone Joint Surg Am 65 (1983)447 – 55
+Weinstein,S.M	Herring,S.A., Derby,R. Contemporary concepts in spine care. Epidural steroid injections Spine 20 (1995)1842 – 6
+Weir,D.E.	Tingley,J., Elder,G.C. Acute passive stretching alters the mechanical properties of human plantar flexors and the optimal angle for maximal voluntary contractions Eur J Appl Physiol 93 (2005)614 – 23
+Weir,J.P.	Quantifying test-retest reliability using the interclass correlation coefficient and the SEM J Strength Condition Res 19 (2005)231 – 40
(+)Weis,C.A.	Nash,J., Triano,J.J., Barrett,J. Ultrasound assessment of abdominal muscle thickness in women with and without low back pain during pregnancy J Manipul Physiol Ther 40 (2017)230 – 5 (Internetzugriff 1.11.2017)
+Weisenthal,B.W.	Glassman,S.D., Mkorombindo,T., Nelson,L., Carreon,L.Y. When does CT myelography add value beyond MRI for lumbar degenerative disease? Spine J 22 (2022)787 – 92 doi.org/10.1016/j.spinee.2021.11.016
Weiser,T.	et al. Efficacy and safety of a fixed-dose combination of ibuprofene and caffeine in the management of moderate to severe dental pain after third molar extraction

Eur J Pain (2017) Epub Aug 14, doi: 10.1002/ejp.1068
(Praxis-Depesche 12/2017)

+Weishaupt,D.

Zanetti,M., Hodler,J., Boos,N.

Imaging of the lumbar spine: prevalence of intervertebral disc extrusion and sequestration, nerve root compression, end plate abnormalities and osteoarthritis of the facet joints in asymptomatic volunteers

Radiology 209 (1998)661 – 6

+Weishaupt,D.

Zanetti,M., Hodler,J., Min,K., Fuchs,B., Pfirrmann,C.A.W., Boos,N.

Painful lumbar disc derangement: relevance of endplate abnormalities at MR imaging

Radiology 218 (2001)420 – 7

-Weisl,H.

The movements of the sacroiliac joints

Acta Anatomica 23 (1955)80 (zit. Vleeming, 2005)

+Weisl,H.

The ligaments of the sacro-iliac joint examined with particular reference to their function

Acta Anat 20 (1954)201 – 13

+Weisner,C.M.

Campbell,C.I., Ray,G.T., Saunders,K., Merrill,J.O., Banta-Green,C., Sullivan,M.J., Silverberg,M.J., Mertens,J.R., Boudreau,D., von Korff,M.

Trends in prescribed opioid therapy for non-cancer pain for individuals with prior substance disorders

Pain 145 (2009)287 - 93

Weiss,C.A.

Pohlman,K., Draper,C., Stuber,K., Hawk,C.

Chiropractic care for adults with pregnancy-related low back, pelvic girdle pain, or combination pain: a systematic review

J Manipulative Physiol Ther 43 (2020)7: 714 – 31 (zit. Beyer et al., 2022)

+Weiss,H.R.

Thabe,H.

Elektromyographische Befunde aus der Lumbosakralregion unter Berücksichtigung funktioneller Bewegungsstörungen

Manuelle Med 29 (1991)26 - 30

Weiss,T.	Miltner,W.H.R. Zentralnervöse nozizeptive Verarbeitung: Netzwerke, Schmerz und Reorganisation Man Med 45 (2007)38 - 44
+Weißkopf,M.	Birnbaum,K.,, Sagheri,M., Lorenzen,J., Witz,D.C. Korrelation von lumbogenem Schmerz und vermehrter Vaskularisation in den Wirbelkörperendplatten Z Orthop Grenzgebiete 142 (2004)174 – 8
Weissenfels,A.	Teschler,M., Willert,S., Hettchen,M., Fröhlich,M., Kleinöder,H., Kohl,M., von Stengel,S., Kemmler,W. Effects of whole-body electromyostimulation on chronic nonspecific low back pain in adults: a randomized controlled study J Pain Res 11 (2018)1949 – 57 doi.org/10.2147/JPR.S164904
+Weisz,J.	Der Osteopath am Fuße des Patienten Erfahrungsheilkd 64 (2015)1: 50 – 4
Weksler,N.	Velan,G.J., Semionov,M., Gurevic,B., Fein,B., Rozentsweig,V., Rudich,T. The role of sacroiliac joint dysfunction in the genesis of low back pain: the obvious is not always right Arch Orthop Trauma Surg 127 (2007)885 – 8 (zit. Telli et al., 2020)
+Welsch,P.	Sommer,C., Schiltenswolf,M., Häuser,W. Opioide bei chronischen nicht-tumorbedingten Schmerzen – sind sie Nichtopioidanalgetika überlegen? Systematische Übersicht und Metaanalyse der Wirksamkeit, Verträglichkeit und Sicherheit in randomisierten Direktvergleichen von Opioiden und Nichtopioiden über mindestens 4 Wochen Schmerz 29 (2015)85 - 95
-Wendel-Vos,C.G.W.	Schuit,A.J. Short Questionnaire to ASsess Health enhancing physical activity

- Bilthoven, The Netherlands: National Institute of Public Health and the Environment, Center for Chronic Diseases Epidemiology; 2002 (zit. Heneweer et al., 2009)
- +Wenig,C.M. Schmidt,C.O., Kohlmann,T., Schweikert,B.
Cost of back pain in Germany
Eur J Pain 13 (2009)280 – 6
- Werdehausen,R. Kremer,D., Brandenburger,T., Schlosser,L., Jadasz,J., Kury,P., Bauer,I., Aragon,C., Eulenburg,V., Hermanns,H.
Lidoain metabolits inhibit glycine transporter 1: a novel mechanism for the analgesic action of systemic lidocaine?
Anesthesiology 116 (2012)147 – 58
- +Werdehausen,R. Mittnacht,S., McLaughlin,,L.A., Minett,M.S., Armbruster,A., Bauer,I., Aragon,C., Eulenburg,V., hermanns,H.
The lidocaine metabolit N-1 ethylglycine has antinociceptive effects in experimental inflammatory and neuropathic pain
Pain 156 (2015)1647 - 59
- +Werner,E.L. Cote,P., Fullen,B.M., Hayden,J.A.
Physicians determinants for sick-listening LBP patients. A systematic review
Clin J Pain 28 (2012)364 - 71
- +Werner,E.L. Ihlebaek,C., Skouen,J.S., Laerum,E.
Beliefs about low back pain in the Norwegian general population: are they related to pain experiences and health professionals?
Spine 30 (2005)1770 – 6
- +Werner,E.L. Storheim,K., Lochting,I., Wisloff,T., Grotle,M.
Cognitive patient education for low back pain in primary care: a cluster randomized controlled trial and cost-effectiveness analysis
Spine 41 (2016)455 - 62
- (-)Wernli,K. O’Sullivan,P., Smith,A., Campbell,A., Kent,P.

- Movement, posture and low back pain. How do they relate?
A replicated single-case design in 12 people with persistent,
disabling low back pain
- Eur J Pain (2020) doi.org/10.1002/ejp.1631
- +Wersocki,E. Bedson,J., Chen,Y., le Resche,L., Dunn,K.M.
- Comprehensive systemic review of long-term opioids in
women with chronic noncancer pain and associated
reproductive dysfunction (hypothalamic-pituitary-gonadal
axis disruption)
- Pain 158 (2017)8 - 16
- +Wertli,M.M. Burgstaller,J.M., Weiser,S., Steurer,J., Kofmehl,R., Held,U.
- Influence of catastrophizing on treatment outcome in
patients with nonspecific low back pain
- Spine 39 (2014)263 - 73
- +Wertli,M.M. Eugster,R., Held,U., Steurer,J., Kofmehl,R., Weiser,C.
- Catastrophizing – a prognostic factor for outcome in patients
with low back pain: a systematic review
- Spine J 14 (2014b)2639 - 57
- +Wertli,M.M. Rasmussen-Barr,E., Held,U., Weiser,S., Bachmann,L.M.,,
Brunner,F.
- Fear-avoidance beliefs – a moderator of treatment efficacy in
patients with low back pain: a systematic review
- Spine J 14 (2014c)2658 - 78
- +Wertli,M.M. Rasmussen-Barr,E., Weiser,S., Bachmann,L.M., Brunner,F.
- The role of fear-avoidance beliefs as a prognostic factor for
outcome in patients with nonspecific low back pain: a
systematic review
- Spine J 14 (2014a)816 - 36
- +Wessels,T. Ewert,T., Limm,H., Rackwitz,B., Stucki,G.
- Change factors explaining reductions of „interference“ in
multidisciplinary and an exercise prevention program for low
back pain
- Clin J Pain 23 (2007)629 - 34

- Wesselink,E.O. Pool-Goodzwart,A., de Leener,B., Law,C.S.W., Fenyo,H.B., Ello,L.M., ..., Weber,K.A.II und weitere 2 Autoren
- Investigating the association between the paraspinal muscle health and age, BNI, sex, physical activity and back pain using an automated computer-vision model: a UK – biobank study
- Spine J 24 (2024)7: 1253 – 66
doi.org/10.1016/j.spinee.2024.02.013
- +West,J.W. Patton,D.E., Scheuer,T., Wang,Y., Goldin,A.L., Catterall,W.A.,
- A cluster of hydrophobic amino acid residues required for fast Na (+)-channel inactivation
- Proc Natl Acad Sci USA 89 (1992)10910 – 4
- Westgaard,R.H. Winkel,J.
- On occupational ergonomic risk factors for musculoskeletal disorders and related intervention practice.
- In: Linton,S.J. ed.: New avenues for the prevention of chronic musculoskeletal pain and disability, vol. 1. Amsterdam, Elsevier Science, 2002, p. 143 – 64 (zit. Linton, 2005)
- +Westman,A.E. Boersma,K., Leppert,J., Linton,S.J.
- Fear-avoidance beliefs, catastrophizing, and distress. A longitudinal subgroup analysis on patients with musculoskeletal pain
- Clin J Pain 27 (2011)567 - 77
- +Westphal,F. Warnke,S., Kayser,R.
- Tiefenstabilisierendes System und rehabilitativer Therapieansatz bei segmentaler Instabilität der Lendenwirbelsäule
- Manuelle Med 57 (2019)404 - 13
- +Wetherell,J.L. Afarai,N., Rutledge,T., Sorrell,J.T., Stoddard,J.A., Petkus,A.J., Solomon,B.C., Lehman,D.H., Liu,L., Lang,A.J., Atkinson,J.H.
- A randomized controlled trial of acceptance and commitment therapy and cognitive-behavioral therapy for chronic pain
- Pain 152 (2011)2098 – 2107
doi.org/10.1016/j.pain.2011.05.016

- +Wetzel,F.T. Ia Rocca,S.H., Lowery,G.L., Aprill,C.N.
- The treatment of lumbar spinal pain syndromes diagnosed by discography. Lumbar arthrodesis
- Spine 19 (1994)792 - 800
- (+)Wewege,M. Booth,J., Parmenter,B.
- Aerobic vs. resistance exercise for chronic non-specific low back pain: a systematic review and meta-analysis
- J Back Musculoskel Rehab (2018) pre-press 4. 6.2018; doi: 10.3233/BMR-170920
- +Weyerbacher,A.R. Xu,Q., Tamasdan,C., Shin,S.J., Inturrisi,C.E.
- N-Methyl-d-Aspartate receptor (NMDAR) independent maintenance of inflammatory pain
- Pain 148 (2010)237 - 46
- Wheeler,A.H. Goolkasian,P., Gretz,S.S.
- A randomized, double-blind, prospective pilot study of botulinum toxin injection for refractory, unilateral, cervicothoracic, paraspinal, myofascial pain syndrome
- Spine 23 (1998)1662 - 6
- +Wheeler,A.H. Goolkasian,P., Gretz,S.S.
- Botulinum toxin A for the treatment of chronic neck pain
- Pain 94 (2001)255 – 60
- +Whedon,J.M. Kizhakkeveetil,A., Toler,A.W.V., MacKenzie,T.A., Lurie,J.D., Hurwitz,E.L., Bezdijan,S., Bangash,M., Uptmore,S., Rossi,D., Haldeman,S.
- Initial choice of spinal manipulative therapy for treatment of chronic low back pain leads to reduced long-term risk of adverse drug events among older medicare beneficiaries
- Spine 46 (2021)1714 – 20
doi.org/10.1097/BRS.00000000000004078
- +Whedon,J.M. Kizhakkeveetil,A., Toler,A.W.V., MacKenzie,T.A., Lurie,J.D., Hurwitz,E.L., Bezdijan,S., Haldeman,S., Coulter,I.
- Longe-term medical costs associated with opioid analgesic therapy vs spinal manipulative Therapy for chronic low back pain in a cohort of older adults

J Manip Phys Ther (2021) publ. 5.12.2021 (in press
10.3.2022) doi.org/10.1016/j.jmpt.2021.09.001

+Whedon,J.M.

Mackenzie,T.A., Phillips,R.B., Lurie,J.D.

Risk of traumatic injury associated with chiropractic spinal
manipulation in medicare part B beneficiaries aged 66 to 99
years

Spine 40 (2015)264 - 70

+Whedon,J.M.

Toler,A.W.J., Goehl,J.M., Kazal,L.A.

Association between utilisation of chiropractic services for
treatment of low back pain and risk of adverse drug events

J Manipul Physiol Ther (2018)
doi.org/10.1016/jmpt.2018.01.004 (in press)

+Whedon,J.M.

Song,Y., Davis,M.D., Lurie,J.D.

Use of chiropractic spinal manipulation in older adults is
strongly correlated with supply

Spine 37 (2012)1771 - 7

+ Whedon,J.M.

Song,Y., Davis,M.D.

Trends in the use and cost of chiropractic spinal manipulation
under Medicare part B

Spine J 13 (2013)1449 - 54

+Whelton,A.

White,W.B., Bello,A.F., Puma,J.A., Fort,J.G.

Effects of celecoxib and rofecoxib on blood pressure and
edema in patients < 65 years of age with systemic
hypertension and osteoarthritis

Am J Cardiol 90 (2002)959 – 63

Whistler,J.L.

von Zastrow,M.

Morphin-activated opioid receptors elude desensitization by
beta-arrestin

Proc Natl Acad Sci USA 95 (1998)9914 – 9 (zit. Finkel &
Pukish, 2019)

+Whitcome,K.K.

Shapiro,L.I., Lieberman,D.E.

- Fetal load and the evolution of lumbar lordosis in bipedal hominis
Nature 450 (2007)1075 – 8
- White,A.A. Gordon, S.C.
Synopsis: workshop on idiopathic low back pain
Spine 7 (1982)141 – 9 (zit. Geisser et al., 2005)
- White,A.A. Panjabi,M.M.
Clinical Biomechanics of the Spine
1 ed. 1978 (zit. Neumann, 1999), 2nd ed., Philadelphia, Lippincott, 1990
- +White,A.P. Pharmacological management of chronic low back pain. Synthesis of evidence
Spine 36 (2011)21 Suppl.: S 131 - 143
- +White,E.S. Baralle,F.E., Muro,A.F.
New insights into form and function of fibronectin splice variants
J Pathol 216 (2008)1 – 14
- +White,H.S. Brown,S.D., Woodhead,J.H., Skeen,G.A., Wolf,H.H.
Topiramate enhances GABA-mediated chloride flux and GABA-evoked chloride currents in murine brain neurons and increases seizure threshold
Epilepsy Res 28 (1997)167 – 79
- White,J.M. Pleasure into pain: the consequences of long time opioid use
Addict Behav 29 (2004)1311 – 24 (zit Ballantyne & Sullivan, 2017)
- +White,P. Bishop,F.L., Prescott,P., Scott,C., Little,P., Lewith,G.
Practice, practitioner, or placebo? A multifactorial, mixed – methods randomized controlled trial of acupuncture
Pain 153 (2012)455 - 62
- +Whitehurst,D.G.T. Bryan,S., Lewis,M., Hay,E.M., Mullis,R., Foster,N.E.
Implementing stratified primary care management for low back pain

- Spine 40 (2015)405 - 14
- +Whitman,J.M. Flynn,T.W., Childs,J.D., Wainner,R.S., Gill,H.E., Ryder,M.G., Garber,M.W., Bennett,A.C., Fritz,J.M.
- A comparison between two physical therapy treatment programs for patients with lumbar spinal stenosis: a randomized clinical trial
- Spine 31 (2006)2541 – 9
- +Whitman,J.M. Fritz,J.M., Childs,J.D.
- The influence of experience and speciality certifications on clinical outcomes for patients with low back pain treated within a standardized physical therapy management program
- J Orthop Sports Phys Ther 34 (2004)662 – 72
- +Whittfield,J. Legg,S.J., Hedderley,D.I.
- Schoolbag weight and musculoskeletal symptoms in New Zealand secondary schools
- Appl Ergonomics 36 (2005)193 – 8
- +Whitty,C.W.M. Willison,R.G.
- Some aspects of referred pain
- Lancet (1958)2: 226 – 31
- WHO World Health Organization: International Classification of Functioning, Disability and Health: ICF
- Geneva, World Health Organization, 2001, deutschsprachige Fassung: www.dimdi.de, 2005
- WHO WHO Scientific Group on the Burden of Musculoskeletal Conditions at the Start of the New Millennium. The burden of musculoskeletal conditions at the start of the new millennium: report of a WHO scientific group. The World Health Organisation and the bone and joint decade 2000 – 2010.
- Available at: <http://www.who.int/ned/cra/is.htm>. Accessed February 17, 2004
- WHO Steps to health: A European framework to promote physical activity to health
- Denmark, 2007 (zit. Verbunt et al., 2009)

WHO	Psychiatric Research Unit, WHO Collaborating Center for Mental Health, Fredericksburg General Hospital, DK-3400 Hillerød. http://www.cure4you.dk/354/WHO-5_German.pdf. Zugriff 17.4.12
+WHOQOL	The WHOQOL Group. The World Health Organisation Quality of Life Assessment (WHOQOL): development and general psychometric properties Soc Sci Med 6 (1998)1569 – 85
+Wiberg,G.	Back pain in relation to the nerve supply of the intervertebral disc Acta Orthop Scand 19 (1947)211 – 21
+Wickramasekera,I.E.	A conditioned response model of the placebo effect predictions from the model Biofeedback Self Regul 5 (1980)5 – 18
Wickramasekera,I.E.	Clinical Behavioral Medicine: Some Concepts and Procedures Plenum Press, New York, 1988 (zit. Peebles & Moore, 2000)
+Wicksell,R.K.	Renöfält,J., Olsson,G.L., Bond,F.W., Melin,L: Avoidance and cognitive fusion – central components in pain related disability? Development and preliminary validation of the Psychological Inflexibility in Pain Scale (PIPS) Eur J Pain 12 (2008)491 - 500
Wickström,G.J.	Pentti,J. Occupational factors affecting sick leave attributed to low back pain Scand J Work Environ Health 24 (1998)145 – 52 (zit. den Boer et al., 2006a)
+Wideman,T.H.	Adams,H., Sullivan,M.J.L. A prospective sequential analysis of the fear-avoidance model of pain Pain 145 (2009)45 – 51
+Wideman,T.H.	Asmundson,G.G.J., Smeets,R.J.E.M., Zautra,A.J., Simmonds,M.J., Sullivan,M.J.L., Haythornthwaite,J.A., Edwards,R.R.

- Rethinking the fear avoidance model: Toward a multidimensional framework of pain related disability
- Pain 154 (2013)2262 - 5
- +Wideman,T.H. Hill,J.C., Main,C.J., Lewis,M., Sullivan,M.J.L., Hay,E.M.
- Comparing the responsiveness of a brief, multidimensional risk screening tool for back pain to its unidimensional reference standards: The whole is greater than the sum of its parts
- Pain 153 (2012)2182 - 91
- +Wideman,T.H. Sullivan,M.J.L.
- Differential predictors of the long-term levels of pain intensity, work disability, healthcare use, and medication use in a sample of workers' compensation claimants
- Pain 152 (2011)376 - 83
- (-)Widerström,B. Olofson,N., Boström,C., Rasmussen-Barr,E.
- Feasibility of the subgroup criteria included in the treatment-strategy-based classification system for patients with non-specific low back pain
- Man Ther (2016) doi.org/10.1016/j.math.2016.01.002
- Widhe,T. Spine: posture, mobility and pain. A longitudinal study from childhood to adolescence
- Eur Spine J 10 (2001)118 – 123 (zit. Mählke, 2007)
- +Widmann,C. Gibson,S., Jarpe,M.B., Johnson,G.L.
- Mitogen-activated protein kinase: conservation of a three-kinase module from yeast to human
- Physiol Rev 79 (1999)143 – 80
- +Wiech,K. Farias,M., Kahane,G., Shackel,N., Tiede,W., Tracey,I.
- An fMRI study measuring analgesia enhanced by religion as a belief system
- Pain 139 (2008)467 – 76
- +Wiech,K. Jbabdi,S., Lin,C.S., Andersson,J., Tracey,I.
- Differential structural and resting state connectivity between insular subdivisions and other pain-related brain regions

- Pain 155 (2014)2047 - 55
- +Wiedmer,L. Lange,T., Knüsel,O.
Das Gangmuster von Patienten mit Hüftarthrose
Orthopäde 21 (1992)35 – 40
- +Wielage,R. Bansal,M., Wilson,K., Klein,R., Happich,M.
Cost-effectiveness of duloxetine in chronic low back pain
Spine 38 (2013)936 - 46
- Wiencken,A.E. Casagrande,V.A.
Endothelial nitric oxide synthetase (eNOS) in astrocytes:
another source of nitric oxide in Neocortex
Glia 26 (1999)280 – 90 (zit. Boettger et al., 2007)
- Wiertelak,E.P. Yang,H.Y., Mooney – Heilberger,K. et al.
The nature of conditioned anti-algesia: spinal cord opiate and
anti-opiate neurochemistry
Brain Res 634 (1994)214 – 26 (zit. Musial et al., 2009)
- +Wiesel,S.W. Cuckler,J.M., Deluca,F., Jones,F., Zeide,M.S., Rothman,R.H.
Acute low back pain: an objective analysis of conservative
therapy
Spine 5 (1980)324 - 30
- +Wiesel,S.W. Tsourmas,N., Feffer,H.L., Citrin,C.M., Patronas,N
A study of computer-assisted tomography. I. The incidence of
positive CAT scans in an asymptomatic group of patients
Spine 9 (1984)549 – 51
- +Wieseler-Frank,J. Maier,S.F., Watkins,L.R.
Immune-to-brain communication dynamically modulates
pain: physiological and pathological consequences
Brain Behav Immun 19 (2005)104 – 11
- +Wiesenfeld-Hallin,Z. Duranti,R.
D-Argl, D-Trp7,9, Leu11-substance P (spantide) does not
antagonize substance P-induced hyperexcitability of the
nociceptive flexion withdrawal reflex in the rat

- Acta Physiol Scand 129 (1987)55 – 9
- Wiesenfeld-Hallin,Z. Villar,M.J., Hökfelt,T.
The effects of intrathecal galanin and C-fiber stimulation on the flexor reflex in the rat
Brain Res 486 (1989)205 – 13 (zit. Alier et al., 2008)
- +Wiesinger,B. Malker,H., Englund,E., Wänman,A.
Back pain in relation to musculoskeletal disorders in the jaw-face: a matched case-control study
Pain 131 (2007)311 - 9
- +Wiesinger,G.F. Nuhr,M., Quittan,M., Ebenbichler,G., Wölfi,G., Fialka-Moser,V.
Cross-cultural adaptation of the Roland Morris questionnaire for German speaking patients with low back pain
Spine 24 (1999)1099 – 103
- +Wijnhoven,H.A.H. de Vet,H.C.W., Smit,H.A., Picavet,H.S.J.
Hormonal and reproductive factors are associated with chronic low back pain and chronic upper extremity pain in women – the MORGEN study
Spine 31 (2006)1496 – 1502
- +Wijnhoven,H.A.H. de Vet,H.C.W., Picavet,H.S.J.
Prevalence of musculoskeletal disorders is systematically higher in women than in man
Clin J Pain 22 (2006)717 - 24
- +Wilby,M.J. Fraser,R.D., Vernon-Roberts,B., Moore,R.J.
The prevalence and pathogenesis of synovial cysts within the ligamentum flavum in patients with spinal stenosis and radiculopathy
Spine 34 (2009)2518 - 24
- Wild,K.W. Short and long term effects of the McKenzie method compared to a first-line educational intervention in patients with acute non-specific low back pain
Phys Ther (2016) URI: <http://hdi.handle.net/10211.3/179735>

+Wilder,D.G.	Woodworth,B.B., Frymoyer,J.W., Pope,M.H. Vibration and the human spine Spine 7 (1982)243 – 54
+Wilder,D.G.	Aleksiev,A.R., Magnusson,M.L. Pope,M.,H., Spratt,K.F., Goel,V.K. Muscular response to sudden load Spine 21 (1996)2628 – 39
+Wildermuth,S.	Zanetti,M., Duewell,S., Schmid,M.R., Romanowski,B., Benini,A., Böni,T., Hodler,J. Lumbar spine: quantitative and qualitative assessment of positional (upright flexion and extension) MR imaging and myelography Radiology 207 (1998)391 – 8
+Wiles,L.K.	Hibbert,P.D., Stephens,J.H., Molloy,C., Maher,C., Buchbinder,R., Moseley,G.L., O’Sullivan,P.B. und weitere 15 Autoren What constitutes “appropriate care” for low back pain? Point-of-care clinical indicators from guideline evidence and experts (the STANDING Collaboration Project) Spine 47 (2022)879 – 91 doi.org/10.1097/BRS.0000000000004274
+Wiley,R.G.	Substance P receptor-expressing dorsal horn neurons: Lessons from the targeted cytotoxin, substance P-saporin Pain 136 (2008)7 – 10
+Wiley,R.G.	Inhibition in the dorsal horn (Commentary) Pain 154 (2013)2577 - 8
+Wilgenbusch,C.S.	Wu,A.S., Fournery,D.R. Triage of spine surgery referrals through a multidisciplinary care pathway. A value based comparison with conventional referral processes Spine 39 (2014)22S: S129 – S 135
+Wilk,V.	Palmer,H.D., McLachlan,A.J.

- Evidence and practise in the selfmanagement of low back pain: findings from an Australian internet-based survey
Clin J Pain 26 (2010)533 - 40
- +Wilke,H.J. Neef,P., Caimi,M., Hoogland,T., Claes,L.E.
New in vivo measurements of pressures in the intervertebral disc in daily life
Spine 24 (1999)755 – 62
- +Wilke,H.J. Wolf,S., Claes,L.E., Arand,M., Wiesend,A.
Stability increase of the lumbar spine with different muscle groups. A biomechanical in vitro study
Spine 20 (1995)192 – 8
- +Wilke,H.J. Wolf,S., Claes,L.E., Arand,M., Wiesend,A.
Influence of varying muscle forces on lumbar intradiscal pressure: an in vitro study
J Biomech 29 (1996)549 – 55
- +Wilke,H.J. Wolf,S., Claes,L.E., Arand,M., Wiesend,A..
Stability increase of the lumbar spine with different muscle groups. A biomechanical in vitro study
Spine 20 (1995)192 – 8
- +Wilke,J. Buhmann,H.W.
Qualität grundlegender Bewegungsmuster bei Patienten mit chronischen lumbalen Rückenschmerzen. Eine quasi-experimentelle Querschnittsstudie
Sportverl Sportschad 27 (2013)219 - 25
- Wilke,J. Behringer,M.
Is „delayed onset muscle soreness“ a false friend? The potential implication of the fascial connective tissue in post-exercise discomfort
Int J Mol Sci 22 (2021)9482 doi.org/10.3390/ijms22179482
- Wilke,J. Hespanhol,L., Behrens,M.

- Is it all about the fascia? A systematic review and meta-analysis of the prevalence of extramuscular connective tissue lesions in muscle strain injuries
- Orthop J Sports Med 7 (2019) 2325967119888500
doi.org/10.1177/ 2325967119888500
- +Wilkens,J. Homöopathie bei Rückenschmerzen
- Z Komplementärmed 1 (2009)2: 53
- +Wilkens,P. Scheel,I.B., Grundnes,O., Hellum,C., Storheims,K.
- Prognostic factors of prolonged disability in patients with chronic low back pain and lumbar degeneration in primary care. A cohort study
- Spine 38 (2013)63 - 74
- +Wilkerson,J.L. Gentry,K.R. Dengler,E.C., Wallace,J.A., Kerwin,A.A., Armijo,L.M., Kuhn,M.N., Thakur,G.A., Makriyannis,A., Milligan,E.D.
- Intrathecal cannabidiol CB2R agonist, AM1710, controls pathological pain and restores basal cytokine levels
- Pain 153 (2012)1091 - 1106
- +Wilkey,A. Gregory,M., Byfield,D., McCarthy,P.W.
- A comparison between chiropractic management and pain clinic management for chronic low back pain in a national health service outpatient clinic
- J Altern Complement Med 14 (2008)465 – 73
- +Wilkinson,H.A. Schuman,N.
- Intradiscal corticosteroids in the treatment of lumbar and cervical disc problems
- Spine 5 (1980)385 – 9
- +Wilkinson,K.D. Lee,K., Deshpande,S., Duerksen-Hughes,P., Boss,J.M., Pohl,J
- The neuron-specific protein PGP 9.5 is an ubiquitin carboxyl-terminal hydrolase
- Science 246 (1989)670 – 3
- Willard,F.H. Vleeming,A., Schuenke,M.D., Danneels,L., Schleip,R.

- The thoracolumbar fascia: anatomy, function and clinical considerations
- J Anat 221 (2012)507 – 36
doi.org/10.1111/j.1469-7580.2012.01511.x
- +Willems,P.C. Elams,L., Anderson,P.G., van der Schaaf,D.B., de Kleuver,M.
- Provocative discography and lumbar fusion. Is preoperative assessment of adjacent discs useful?
- Spine 32 (2007)1094 - 9
- +Willen,J. Danielson,B., Gaulitz,A., Nklason,T., Schönström,N., Hansson,T.
- Dynamic effects on the lumbar spine: axially loaded CT – myelography and MRI in patients with sciatica and/or neurogenic claudication
- Spine 22 (1997)2968 – 76
- +Williams,A. Wiggers,J., O’Brien,K.M., Wolfenden,L., Yoong,S.L., Hodder,R.K., Lee,H., Robson,E.K. und weitere 5 Autoren
- Effectiveness of a healthy lifestyle intervention for chronic low back pain: a randomised controlled trial
- Pain 159 (2018)1137 - 46
- Williams,A.C. Eccleston,C., Moseley,S.
- Psychological therapies for the management of chronic pain (excluding headache) in adults
- Cochrane Database Syst Rev 11 (2012a)CD007407 (zit. Moseley 2017)
- +Williams,A.C.de C. Patient action as means and end of chronic pain care: risks and routes to meaningful action (commentary)
- Pain 158 (2017)1403 - 4
- +Williams,A.C.de C. Craig,K.D.
- Updating the definition of pain
- Pain 157 (2016)2420 - 3
- +Williams,A.C.de C. Potts,H.W.W.
- Group membership and staff turnover affect outcomes in group CBT for persistent pain

	Pain 148 (2010)481 - 6
Williams,C.M.	Henschke,N., Maher,C. et al. Red flags to screen for vertebral fracture in patients presenting with low back pain Cochrane Database Syst Rev 2013a:1: CD008643 (zit. Stauff & Carragee, 2014)
+Williams,C.M.	Maher,C.G., Latimer,J., McLachlan,J., Hancock,M., Day,R.O., Lin,C.W.C. Efficacy of paracetamol for acute low back pain: a double-blind, randomized cotrolled trial Lancet 384 (2014)1586 - 96
+Williams,D.A.	Feuerstein,M., Durbin,D., Pezullo,J. Health care and indemnity costs across the natural history of disability in occupational low back pain Spine 23 (1998)2329 – 36
+Williams,D.G.	Patel,A., Howard,R.F., Pharmacogenetics of codein metabolism in an urban population of children and its implications for analgetic reliability Br J Anaesth 89 (2002)839 – 45
+Williams,F.M.	Bansal,A.T., van Meurs,J.B., Bell,J.T., Meulenbelt,I., Suri,B., Rivadeneira,F., Sambrook,P.N. und weitere 9 Autoren Novel genetic variants associated with lumbar disc degeneration in Northern Europeans. A metaanalysis of 4600 subjects Ann Rheum Dis 72 (2012)1141 - 8
+Williams,F.M.K.	Popham,M., Hart,D.J., de Schepper,E., Bierma-Zeinstra,S., Hofmann,A., Uitterlinden,A.G., Arden,N.K., Cooper,C., Spector,T.D., Valdes,A.M., van Meurs,J. GDF5 single-nucleotide polymorphisms rs143383 is associated with lumbar disc degeneration in Northern European women Arthritis Rheum 63 (2011)708 – 12
+Williams,F.M.K.	Manek,N.J., Sambrook,P.N., Spector,T.D., MacGregor,A.J.

	Schmorl's nodes; common, highly heritable, and related to lumbar disc disease
	Arthritis Rheum 57 (2007)855 – 60
Williams,J.T.	Ingram,S.L., Henderson,G. et al.
	Regulation of mu-opioid receptors: desensitization, phosphorylation, internalization and tolerance
	Pharmacol Rev 65 (2013b)225 – 54 (zit. Stein, 2019)
+Williams,K.	Abildso,C., Steinberg,L., Doyle,E., Epstein,B., Smith,D., Hobbs,G., Gross,R., Kelley,G., Cooper,L.
	Evaluation of the effectiveness and efficacy of Iyengar Yoga therapy on chronic low back pain
	Spine 34 (2009)2066 -76
+Williams,K.A.	Petronis,J., Smith,D., Goodrich,D., Wu,J., Ravi,N., Doyle,E.J., Juckett,G., Kolar,M.M., Gross,R., Steinberg,L.
	Effect of Iyengar yoga therapy for chronic low back pain
	Pain 115 (2005)107 - 17
+Williams,M.	Solomonov,M., Zhou,B.H., Baratta,R.V., Harris,M.
	Multifidus spasms elicited by prolonged lumbar flexion
	Spine 25 (2000)2916 - 24
+Williams,N.H.	Edwards,R.T., Linck,P., Muntz,R., Hibbs,R., Wilkinson,C., Russell,I., Russell,D., Hounscome,B.
	Cost-utility analysis of osteopathy in primary care: results from a pragmatic randomized controlled trial
	Fam Pract 21 (2004)643 – 50
+Williams,N.H.	Lewis,R., Din,N.U., Matar,H.E., Fitzsimmons,D., Phillips,C.J., Sutton,A., Burton,K., Hendry,M., Nafees,S., Wilkinson,C.
	A systematic review and metaanalysis of biological treatments targeting tumor necrosis factor alpha for sciatica
	Eur Spine J 22 (2013)1921 - 38
+Williams,N.H.	Wilkinson,C., Russell,I.T.

- Extending the Aberdeen Back Pain Scale to include the whole spine: a set of outcome measures for neck, upper and lower back
- Pain 94 (2001)261 – 74
- +Williams,N.H. Wilkinson,C., Russell, Edwards,R.T., Hibbs,R., Linck,P., Muntz,R-
- Randomized osteopathic manipulation study (ROMANS): pragmatic trial for spinal pain in primary care
- Fam Pract 20 (2003)662 -9
- +Williams,R.M. Day,M.A., Ehde,D.M., Turner,A.P., Ciol,M.A., Gertz,K.J., Patterson,D., Hakimian,S., Suri,P., Jensen,M.P.
- Effects of hypnosis vs mindful meditation vs education on chronic pain intensity and secondary outcomes in veterans: a randomized clinical trial
- Pain 163 (2022)1905 – 18
doi.org/10.1097/00000000000002586
- +Williams,S. Weinman,J., Dale,J., Newman,S.
- Patient expectations: what do primary care patients want from the GP and how far does meeting expectations affect patient satisfaction?
- Fam Pract 12 (1995)2 – 9
- +Williamson,E. Sanchez Santos,M.T., Morris,A., Garrett,A., Conway,O., Boniface,G., Fairbank,J., Lamb,S.F.
- The prevalence of back and leg pain and the cross-sectional association with adverse health outcomes in community dwelling older adults in England
- Spine 46 (2021)54 – 61
doi.org/10.1097/BRS.00000000000003719
- +Willis,W.D. Role of neurotransmitters in sensitization of pain responses
- Ann NY Acad Sci 933 (2001)142 – 56
- +Willis,W.D. Westlund,K.N.
- Neuroanatomy of the pain system and of the pathways that modulate pain
- J Clin Neurophysiol 14 (1997)2 – 31

Willis,W.D.Jr.

Coggeshall,R.E.

Sensory mechanisms of the spinal cord. Primary afferent neurons and the spinal dorsal horn

New York: Kluwer Academic/Plenum Publishers; 2004 (zit. Schoffnegger et al., 2008)

+Willis,W.D.Jr.

Zhang,X., Honda,C.N. et al.

Projection from the marginal zone and deep dorsal horn to the ventrobasal nuclei of the primate thalamus

Pain 92 (2001)267 - 76

+Willner,S.

Effect of a rigid brace on back pain

Acta Orthop Scand 56 (1985)40 - 2

+Willoch,F.

Schindler,F., Wester,H.J., Empl,M., Straube,A., Schwaiger,M. et al.

Central poststroke pain and reduced opioid receptor binding within pain processing circuitries: a (11 C)diprenorphin PET study

Pain 108 (2004)213 – 20

+Willweber-Strumpf,A.

Zenz,M., Bartz,D.

Epidemiologische Daten chronischer Schmerzen

Schmerz 14 (2000)84 – 91

Wilsey,B.L.

Fishman,S.M.

Chronic opioid therapy, drug abuse and addiction

In : Ballantyne,J.C. ed. : MGH Handbook of pain management, 3rd ed., Philadelphia, Lippincott, Williams and Wilkins, 2005

+Wilson,J.A.

Garry,E.M., Anderson,H.A., Rosie,R., Colvin,L.A., Mitchell,R., Fleetwood-Walker,S.M.

NMDA receptor antagonist treatment at the time of nerve injury prevents injury-induced changes in spinal NR1 and NR2B subunit expression and increases the sensitivity of residual pain behaviours to subsequently administered NMDA receptor antagonists

Pain 117 (2005)421 – 32

+Wilson,L.

Hall,H., McIntosh,G., Melles,T.

- Intertester reliability of a low back pain classification system
Spine 24 (1999)248 – 54
- +Wilson,M. Dolor,R.J., Lewis,D., Regan,S.L., von der Meulen,M.B., Winhusen,T.J.
Opioid dose and pain effects of an online pain self-management program to augment usual care in adults with chronic pain: a multisite randomized clinical trial
Pain 164 (2023)877 – 85
doi.org/10.1097/j.pain.0000000000002785
- +Wilson,S.S. Baetge,E.E., Stallcup,W.B.
Antisera specific for cell lines with mixed neuronal and glial properties
Dev Biol 83 (1981)146 - 53
- Wilson-Gerwing,T.D. Stucky,C.L., McComb,G.W., Verge,V.M.K.
Neurotrophin-3 significantly reduces sodium channel expression linked to neuropathic pain states
Exp Neurol 213 (2008)303 – 14 (zit. Gale et al., 2022)
- +Wiltse,L.I. Rocchio,P.D.
Preoperative psychological tests as predictors of success for chemonucleolysis in the treatment of the low back pain syndrome
J Bone Joint Surg 57A (1975)478 – 83
- +Wiltse,L.L. Anatomy of the extradural compartments of the lumbar spinal canal. Peridural membrane and circumneural sheath
Radiol Clin N Am 38 (2000)1177 – 1206
- +Wiltse,L.L. Fonseca,A.S., Amster,J.,Dimartino,P., Ravessoud,F.A.
Relationship of the dura, Hofmann’s ligaments, Batson’s plexus, and a fibrovascular membrane lying on the posterior surface of the vertebral bodies and attaching to the deep layer of the posterior longitudinal ligament: an anatomical, radiological and clinical study
Spine 18 (1993)1030 - 43
- +Windisch,G. Validität in der Manuellen Medizin. Leserbrief

	Manuelle Med 52 (2014)246 - 7
+Windisch,G.	Auer,B., Hackl,G. Sell-Irritationspunkt S1. Möglicher Zusammenhang mit dem Iliosakralgelenk Manuelle Med 52 (2014)334 - 40
+Windisch,G.	Braune,M. Anderhuber,F. Piriformis muscle: clinical anatomy and consideration of the piriformis syndrome Surg Radiol Anat 29 (2007)37 – 45
+Windolf,J.	Operation oder konservatives Vorgehen bei distaler Radiusfraktur Dt Ärztebl 111 (2014)777 - 8
+Winkelmann,A.	Häuser,W., Friedel,E., Moog-Egan,M., Seeger,D., Settan,M., Weiss,T., Schiltenswolf,M. Physiotherapie und physikalische Verfahren beim Fibromyalgiesyndrom. Systematische Übersicht, Metaanalyse und Leitlinie Schmerz 26 (2012)276 - 86
+Winkelstein,B.A.	Kras,J.V. Is there an antinociceptive role for peripheral brain-derived neurotrophic factor? (commentary) Spine J 10 (2010)733 - 5
+Winkelstein,B.A.	Santos,D.G. An intact facet capsular ligament modulates behavioral sensitivity and spinal glial activation produced by cervical facet joint tension Spine 33 (2008)856 - 62
Winter,D.A.	A.B.C. (Anatomy, Biomechanics and Control) of Balance During Standing and Walking. Waterloo, Ontario, Canada: Waterloo Biomechanics, 1995 (zit. Saha et al., 2007)
+Winter,D.A.	Yack,H.J. EMG profile during normal human walking: stride-to-stride and intersubject variability

- Electroencephalogr Clin Neurophysiol 67 (1987)402 – 11
- +Winzen,M. Voigt,H.F., Hinrichs,T., Platen,P.
Beschwerden des Bewegungsapparates bei deutschen Hochleistungsruderern
Sportverl Sportschad 25 (2011)153 - 8
- +Wippert,P.M. Wiebking,C.
Adaptation an körperliche Aktivität und psychischen Stress im Kontext von Schmerz. Psychobiologische Aspekte
Schmerz 30 (2016)429 - 36
- +Wirz,S. Pharmakologische Schmerztherapie bei geriatrischen Patienten
Schmerzmedizin 30 (2014)1: 8 - 11
- +Wirz,S. Wiese,C.H.R., Zimmermann,M., Junker,U., Heuser-Grannemann,E., Schenk,M.
Schnell freisetzenende Fentanylapplikationsformen. Stellungnahme des Arbeitskreises Tumorschmerz der Deutschen Schmerzgesellschaft
Schmerz 27 (2013)76 - 80
- Wise,R.A. Opiate reward: sites and substrates
Neurosci Biobehav Rev 13 (1989)129 – 33 (zit. Borsook et al., 2007)
- Wise,R. Addiction becomes a brain disease
Neuron 26 (2000)27 – 33 (zit. Hojsted & Sjogren, 2007)
- +Wisneski,R.H. Rothman,R.H.
The Pennsylvania plan II. An algorithm for the management of lumbar degenerative disc disease
Instr Course Lect 34 (1985)17 – 36
- Witkam,R.L. Kragt,E.A.M., Arnts,I.J.J., Bronkhorst,E.M., van Dongen,R., Kurt,E., Steegers,M.A.H., van Haren,F.G.A.M. und weitere 5 Autoren
Spinal cord stimulation for failed back surgery syndrome: to trail or not to trail?

J Pain (2023) doi.org/10.1016/j.jpain.2023.02.032

+Witkowski,G.

Szulczyk,P.

Opioid mu receptor activation inhibits sodium currents in prefrontal cortical neurons via a protein kinase A and C-dependent mechanism

Brain Res 1094 (2006)92 – 106

Wittchen,H.U. et al.

Strukturiertes Klinisches Interview für DSM-IV,

Hogrefe, Göttingen, 1997 (zit. Hardt & Brähler, 2007)

+Wittenberg,R.H.

Willburger,R.E., Kleemeyer,K.S., Peskar,B.A.

In vitro release of prostaglandins and leucotrienes from synovial tissue, cartilage and bones in degenerative joint diseases.

Arthritis Rheum 36 (1993)1444 – 50

+Witt,C.M.

Lüdtke,R., Baur,R., Willich,S.N.

Homeopathic treatment of patients with chronic low back pain

Clin J Pain 25 (2009)334 - 9

+Witt,C.M.

Vetrotsick,E.A., Foster,N.E., Lewith,G., Linde,K., MacPherson,H., Sherman,K.J., Vickers,A.J.

The effect of patient characteristics on acupuncture treatment outcomes. An individual patient data meta-analysis of 20,827 chronic pain patients in randomized clinical trials

Clin J Pain 35 (2019)428 - 34

+Wittink,H.

Carr,D.B.

Outcomes and effective pain treatment

Pain Clin Updates XVI (2008)1

+Wittink,H.

Nicholas,M., Kralik,D., Verbunt,J.

Are we measuring what we need to measure?

Clin J Pain 24 (2008)316 - 24

+Wittink,H.

Michel,T.H., Kulich,B., Wagner,A., Sukiennik,A., Maciewicz,R., Rogers,W.

- Aerobic fitness testing in patients with chronic low back pain: which test is best?
Spine 25 (2000)1704 – 10
- +Wittink,H. Michel,T.H., Wagner,A., Sukiennik,A., Rogers,W.
Deconditioning in patients with chronic low back pain. Fact or fiction?
Spine 25 (2000)2221 – 8
- +Wittink,H. Rogers,W., Sukiennik,A., Carr,D.B.
Physical functioning: self-report and performance measures are related but distinct
Spine 20 (2003)2407 – 13
- +Woby,S.R. Watson,P.J., RoachN.K., Urmston,M.
Are changes in fear-avoidance beliefs, catastrophizing, and appraisals of control predictive of changes in chronic low back pain and disability
Eur J Pain 8 (2004)201 – 10
- +Woby,S.R. Roach,N.K., Urmston,M., Watson,P.J.
Psychometric properties of the TSK-11: A shortened version of the Tampa Scale of Kinesiophobia.
Pain 117 (2005) 137-44
- +Woby,S.R. Roach,N.K., Urstrom,M., Watson,P.J.
The relation between cognitive factors and levels of pain and disability in chronic low back pain patients presenting for physiotherapy
Eur J Pain 11 (2007a)869 - 77
- +Woby,S.R. Urstrom,M., Watson,P.J.
Self-efficacy mediates the relation between pain-related fear and outcome in chronic low back pain patients
Eur J Pain 11 (2007b)711 – 8
- +Wochatz,M. Schroplau,A., Engel,T., Kreher,M., Sharon,H., Alt,Y., Kalron,A., Mayer,F.

Exzentrisch-akzentuiertes Krafttraining bei Personen mit nicht-spezifischen Rückenschmerzen – Pilotuntersuchung zur Machbarkeit und Effekten auf Gesundheit, Schmerz und Funktion

Sports, Medicine and Health Summit, Hamburg, 2023,
Abstract 21, OP-10-004

Dt Z Sportmed 74 (2023)4: 109

+Woerman,A.L.

Binder-Macleod,S.A.

Leg length discrepancy assessment: Accuracy and precision in five clinical methods of evaluation

J Orthop Sports Phys Ther 5 (1984)230 – 9

+Woertgen,C.

Rothoerl,R.D., Brawanski,A.

Influence of macrophage infiltration of herniated lumbar disc tissue on outcome after lumbar disc surgery

Spine 25 (2000)871 – 5

-Wognum,S.

Huyghe,J.M., Baaijens,F.P.

Influence of osmotic pressure changes on the opening of existing cracks in 2 intervertebral disc models

Spine 31 (2006)1783 – 8

+Wohleb,E.S.

Powell,N.D., Godbout,J.P., Sheridan,J.F.

Stress induced recruitment of bone marrow-derived monocytes to the brain promotes anxiety-like behavior

J Neurosci 33 (2013)13820 – 33

+Woiciechowsky,C.

Discogene Rückenschmerzen. ACP-Therapie bei degenerierten Bandscheiben

Sportärztezeitung www.sportaerztezeitung.com/ #3/2021:
18 - 21

Wojtys,E.M.

Ashton-Miller,J.A., Huston,L.I., Moga,P.J.

The association between athletic training time and the sagittal curvature of the immature spine

Am J Sports Med 28 (2000)490 – 8 (zit. Schroeder et al., 2015)

+Wolburg,H.

Wolburg-Buchholz,K., Engelhardt,B.

- Diapedesis of mononuclear cells across cerebral venules during experimental autoimmune encephalomyelitis leaves tight junctions intact.
- Acta Neuropathol 109 (2005)181 – 90
- +Wolfe,D. Hao,S., Hu,J., Srinivasan,R., Goss,J., Mata,M., Fink,D.J., Glorioso,J.C.
- Engineering an endomorphin-2 gene for use in neuropathic pain therapy
- Pain 133 (2007)29 - 38
- +Wolfe,F. The relation between tender points and fibromyalgia symptom variables: evidence that fibromyalgia is not a discrete disorder in the clinic
- Ann Rheum Dis 56 (1997)268 – 71
- +Wolfe,F. Clauw,D.J., Fitzcharles,M.A., Goldenberg,D.L., Häuser,W., katz,R.S., Mease,P., Russell,A.S., Russell,I.J., Winfield,J.B.
- Fibromyalgia criteria and severity scales for clinical and epidemiological studies: a modification of the ACR Preliminary Diagnostic Criteria for Fibromyalgia
- J Rheumatol 38 (2011)1113 – 23
- +Wolfe,F. Smythe,H.A., Yunus,M.B., Bennett,R.M., Bombardier,C., Goldenberg,D.L., Tugwell,P. et al.
- The American College of Rheumatology 1990 Criteria for the classification of fibromyalgia. Report of the multicenter criteria committee
- Arthritis Rheum 33 (1990)160 – 72
- +Wolfert,C. Merbach,M., Stammler,G., Emrich,O., Meid,A.M., Burhenne,J., Blank,A., Mikus,G.
- Management von chronischem Schmerz mit retardiertem Tilidin. Lebensqualität und Bedeutung der Komedikation für den Tilidinmetabolismus
- Schmerz 31 (2017)516 - 23
- +Wolff,S.V. Willburger,R., Hallner,D., Rusu,A.C., Rusche,H., Schulte,T., Hasenbring,M.I.

- Avoidance-Endurance Fast Screen (AE-FS). Inhalts- und Vorhersagevalidität eines 9-Item-Screeningsinstruments für Patienten mit unspezifischen subakuten Rückenschmerzen
- Schmerz 32 (2018)283 - 92
- +Wonderling,D. Acupuncture in mainstream health care
- BMJ 333 (2006)611 – 6
- +Wong,A.Y.L. Parent,E.C., Dhillon,S.S., Prasad,N., Kawchuk,G.N.
- Do participants with low back pain who respond to spinal manipulative therapy differ biomechanically from nonresponders, untreated controls or asymptomatic controls?
- Spine 40 (2015)1329 - 37
- (+)Wong,A.Y.L. Parent,E.C., Dhillon,S.S., Prasad,N., Samartzis,D., Kawchuk,G.N.
- Differential patient responses to spinal manipulative therapy and their relation to spinal degeneration and post-treatment changes in disc diffusion
- Eur Spine J 28 (2018)1 – 11, doi.org/10.1007/s00586-018-5851-2
- +Wong,A.Y.L. Parent,E.C., Funabashi,M., Stanton,T.R., Kawchuk,G.N.
- Do various baseline characteristics of transversus abdominis and lumbar multifidus predict clinical outcomes in non-specific low back pain? A systematic review
- Pain 154 (2013a)2589 - 602
- +Wong,C.K.W. Mak,R.Y.W., Kwok,T.S.Y., Tsang,J.S.H., Leung,M.Y.C., Funabashi,M., Macedo,L., Dennett,L., Wong,A.Y.L.
- Prevalence, incidence and factors associated with non-specific low back pain in community-dwelling older adults aged 60 years and older. A systematic review and meta-analysis
- J Pain (2021) in press doi.org/10.1016/j.jpain.2021.07.012
- +Wong,C.S. Cherng,C.H., Luk,H.N., Ho,S.T., Tung,C.S.
- Effects of NMDA receptor antagonists on inhibition of morphine tolerance in rats: binding at mu-opioid-receptors
- Eur J Pharmacol 297 (1996)27 – 33

- +Wong,D.A. Commentary: Implications and limitations of cost-utility analysis

Spine J 12 (2012)691 - 2
- +Wong,J. Dolor,A., Habib,M., Lotz,J.C., Fields,A.J.

Nutrient supply and nucleus pulposus cell function: effects of cartilage endplate permeability and potential implications for intradiscal biologic therapy

Proceedings of the 35th annual meeting of the North American Spine Society

Spine J 20 (2020)Suppl.9: S 125
- +Wong,J.J. Cote,P., Sutton,D.A., Randhawa,K., Yu,H., Varatharajan,S., Goldgrub,R., Nordin,M., Gross,D.P., Shearer,H.M., Carroll,L.J., Stern,P.J., Ameis,A., Southerst,D., Mior,S., Stupar,M., Varatharajan,T., Taylor-Vaisey,A.

Clinical practice guidelines for the noninvasive management of low back pain: A systematic review by the Ontario Protocol for Traffic Injury Management (OPTIMA) Collaboration

Eur J Pain 21 (2017)201 - 16
- +Wong,J.J. Cote,P., Tricco,A.C., Watson,T., Rosella,L.C.

Assessing the validity of health administrative data compared to population health survey data for the measurement of low back pain

Pain 162 (2021)219 – 226
doi.org/10.1097/j.pain.0000000000002003
- +Wong,J.J. Cote,P., Tricco,A.C., Watson,T., Rosella,L.C.

Effects of back problems on healthcare utilisation and costs in Ontario, Canada: a population-based matched cohort study

Pain 162 (2021a)2521 – 31
doi.org/10.1097/j.pain.0000000000002239
- +Wong,J.J. Cote,P., Tricco,A.C., Watson,T., Rosella,L.C.

Joint effects of back pain and mental health conditions on healthcare utilisation and costs in Ontario, Canada: a population based cohort study

Pain 163 (2022)1892 – 1904
doi.org/10.1097/0000000000002587

- +Wong,J.J. Cote,P., Tricco,A.C., Watson,T., Rosella,L.C.
Characterising high-cost healthcare users among adults with back pain in Ontario, Canada: a population-based cohort study
Pain 165 (2024)1944-54
doi.org/10.1097/j.pain.0000000000003200
- +Wong,K.C. Lee,R.Y., Yeung,S.S.
The association between back pain and trunk posture of workers in a special school for the severe handicaps
BMC Musculoskelet Disord 10 (2009)43
- +Wong,W.S. Fielding,R.
Suppression of emotion mediates the effects of negative affect on pain catastrophising
Clin J Pain 29 (2013)865 - 72
- +Wood,D.W. Haig,A., Yamakawa,K.S.J.
Fear of movement/(re)injury and activity avoidance in persons with neurogenic claudication
Spine J 12 (2012)292 - 300
- +Wood,K.B. Fritzell,P., Dettori,J.R., Hashimoto,R., Lund,T., Shaffroy,C.
Effectiveness of spinal fusion versus structured rehabilitation in chronic low back pain patients with and without isthmic spondylolisthesis. A systematic review
Spine 36 (2011)21Suppl.: S 110 – S 119
- Woodhams,P.L. MacDonald,R.E., Collins,S.D., Chessell,I.P., Day,N.C.
Localisation and modulation of prostanoid receptors EP1 and EP4 in the rat constriction injury model of neuropathic pain
Eur J Pain 11 (2007)605 - 13
- +Woodhead,T. Clough,A.
Evidenz von Manipulationsbehandlungen der Lendenwirbelsäulenregion. Eine systematische Übersicht
Manuelle Med 44 (2006)79 - 98
- +Woods,M.P. Asmundson,G.J.G.

- Evaluating the efficacy of graded in vivo exposure for treatment of fear in patients with chronic back pain: a randomized controlled clinical trial
- Pain 136 (2008)271 - 80
- Woodwell,D.A. National Ambulatory Medical Care Survey: 1996 Summary. Advance Data from Vital and Health Statistics, No 295. Hyattsville,Md; National Center for Health Statistics,1997 (zit. Licciardone & Herron, 2001)
- +Woolery,A. Myers,H., Sternlieb,B., Zeltzer,L.
- A yoga intervention for young adults with elevated symptoms of depression
- Altern Ther Health Med 10 (2004)60 – 3
- +Woolf,A.D. Pfleger,B.
- Burden of major musculoskeletal conditions
- Bull World Health Organ 81 (2003)646 – 56
- +Woolf,C.J. Evidence for a central component of postinjury pain hypersensitivity
- Nature 306 (1983)686 – 8
- +Woolf,C.J. Windup and central sensitization are not equivalent
- Pain 66 (1996)105 – 8
- +Woolf,C.J. Central sensitization: Implications for the diagnosis and treatment of pain
- Pain 152 (2011)S2 – 15
- +Woolf,C.J. Commentary: What to call the amplification of nociceptive signals in the central nervous system that contribute to widespread pain?
- Pain 155 (2014)1911 - 2
- +Woolf,C.J. Costigan,M.
- Transcriptional and posttranslational plasticity and the generation of inflammatory pain
- Proc Natl Acad Sci USA 96 (1999)7723 – 30
- +Woolf,C.J. King,A.E.

- Physiology and morphology of multireceptive neurons with C-afferent fiber inputs in the deep dorsal horn of the rat lumbar spinal cord
- J Neurophysiol 58 (1987)460 – 79
- +Woolf,C.J. King,A.E.
- Subthreshold components of the cutaneous mechanoreceptive fields of dorsal horn neurons in the rat lumbar spinal cord
- J Neurophysiol 62 (1989)907 – 16
- +Woolf,C.J. Ma,Q.
- Nociceptors – noxious stimulus detectors
- Neuron 55 (2007)353 – 64
- +Woolf,C.J. Mitchell,D., Barrett,G.D.
- Antinociceptive effect of peripheral segmental electrical stimulation in the rat
- Pain 8 (1980)237 – 52
- +Woolf,C.J. Salter,M.W.
- Neuronal plasticity: increasing the gain in pain
- Science 288 (2000)1765 – 9
- +Woolf,C.J. Shortland,P., Conggeshal,R.E.
- Peripheral nerve injury triggers central sprouting of myelinated afferents
- Nature 355 (1992)75 – 8
- +Woolf,C.J. Shortland,P., Sivilotti,L.G.
- Sensitization of high mechanothreshold superficial dorsal horn and flexor motor neurons following chemosensitive primary afferent activation
- Pain 58 (1994)141 – 55
- Woollacott,M. Shumway-Cook,A.
- Attention and the control of posture and gait: a review of an emerging area of research
- Gait Posture 16 (2002)1 – 14 (zit. Corbeil et al., 2004)

- +Wörmann,A. Die Beinlängenverschiebung als körperliches Urphänomen
Naturheilkunde J (2012)6: 21 - 24
- +Wörner,B. Lange,M., Fink,U., Oeckler,R.
Die lumbale Rezessusstenose. Klinische Symptome,
Diagnostik und operative Therapie
Fortschr Med 119 (2001)51 - 4
- +Wörz,R. Bolten,W., Heller,B., Krainick,U., Pergande,G.
Flupitin im Vergleich zu Chlormezanon und Placebo bei
chronischen muskuloskelettalen Rückenschmerzen
Fortschr Med 114 (1996)500 – 4
- +Wörz,R. Müller-Schwefe,G., Stroehmann,J., Zeuner,L.,
Zieglgänsberger,W., Zimmermann,M.
Rückenschmerzen: Leitlinien der medikamentösen Therapie
MMW-Fortschr Med 142 (2000)5: 27 - 33
- +Worzer,W.E. Mayer,T.G., Shea,M., Gatchel,R.J.
Implications of decisions from a surgical option process for
patients « on the fence » prior to a functional restoration
program
Proceedings of the 25th annual meeting of the north
american spine society, 2010
Spine J 10 (2010)9S : 13S – 14S
- +Wren,A.A. Somers,T.J., Wright,M.A., Goetz,M.C., Leary,M.R., Fras,A.M.,
Huh,B.H., Rogers,L.L., Keefe,F.J.
Self-compassion in patients with persistent musculoskeletal
pain : Relationship of self-compassion to adjustmentto
persistent pain
J Pain Symp Manage (2011a) doi
10.1016/j.painsymman.2011.04.014
- +Wren,A.A. Wright,M.A., Carson,J.W., Keefe,F.J.
Yoga for persistent pain: New findings and directions for an
ancient practice
Pain 152 (2011)477 - 80

- +Wren,T.A.L. Ponrartana,S., Aggabo,P.C., Poorghasamians,E., Skaggs,D.L., Gilsanz,V.
- Increased lumbar lordosis and smaller vertebral cross-sectional area are associated with spondylolisthesis
- Spine 42 (2018)833 - 8
- +Wreje,U. Nordgren,B., Aberg,H.
- Treatment of pelvic joint dysfunction in primary care: a controlled study
- Scand J Prim Health Care 10 (1992)310 – 5
- +Wright,A. Sluka,K.A.
- Nonpharmacological treatments for musculoskeletal pain
- Clin J Pain 17 (2001)33 - 46
- +Wright,D. Barrow,S., Fisher,A.D., Horsley,S.D., Jayson,M.I.V.
- Influence of physical, psychological and behavioural factors on consultations for back pain
- Br J Rheumatol 34 (1995)156 – 61
- +Wrosch,C. Scheier,M.F., Miller,G.E., Schulz,R., Carver,C.S.
- Adaptative self-regulation of unattainable goals: goal disengagement, goal reengagement, and subjective well-being
- Pers Soc Psych Bull 29 (2003)1494 – 508
- +Wu,A. Dong,W., Liu,S., Cheung,J.P.Y., Kwan,K.Y.H., Zeng,X., Zhang,K., Sun,Z., Wang,X., Cheung,K.M.C., Zhou,M., Zhao,J.
- The prevalence and years lived with disability caused by low back pain in China, 1990 to 2016: findings from the global burden of disease study 2016
- Pain 160 (2019)237 - 45
- Wu,A. March,G., Zhong,A., Huang,J., Wang,A., Zhao,J., Blyth,F., Smith,E., Buchbinder,R.
- Global low back pain prevalence and years lived with disability from 1990 to 2017: estimates from the Global Burden of Diseases study 2017

Ann Transl Med 8 (2020)299
doi.org/10.21037/atm.2020.02.175

+Wu,G.

Ringkamp,M., Hartke,T.V., Murinson,B.B., Campbell,J.N.,
Griffin,J.W., Meyer,R.A.

Early onset of spontaneous activity in uninjured C-fiber
nociceptors after injury in neighboring nerve fibers

J Neurosci 21 (2001)RC140

+Wu,H.L.

Ding,W.Y., Shen,Y., Zhang,Y.Z., Guo,J.K., Sun,Y.P., Cao,L.Z.

Prevalence of vertebral body endplate modic changes in
degenerative lumbar scoliosis and its associated factor
analysis

Spine 37 (2012)1958 - 64

+Wu,J.

Huang,J., Battie,M.C., Wang,Y.

Lifestyle and lifetime occupational exposures may not play a
role in the pathogenesis of Modic changes on the lumbar
spine MR images

Spine J 20 (2020)94 - 100

+Wu,J.

Lin,Q., Lu,Y., Willis,W.D., Westlund,K.N.

Changes in nitric oxide isoforms in the spinal cord of rat
following induction of chronic arthritis

Exp Brain Res 118 (1998)457 – 65

+Wu,Q.

Inman,R.D., Davis,K.D.

Tumor necrosis factor inhibitor therapy in ankylosing
spondylitis: differential effects on pain and fatigue and brain
correlates

Pain 156 (2015)297 - 304

+Wu,T.

Ni,S., Cao,Y., Liao,S., Hu.,J., Duan,C.

Three-dimensional visualisation and pathologic
characteristics of cartilage and subchondral bone changes in
the lumbar facet joint of an ovariectomized mouse model

Spine J 18 (2018)663 - 73

+Wu,W.H.

Meijer,O.G., Uegaki,K., Mens,J.M.A., van Dieen,J.H.,
Wuisman,P.I.J.M., Östgaard,H.C.

- Pregnancy-related pelvic girdle pain (PGP), I: terminology, clinical presentation and prevalence
Eur Spine J 13 (2004a)575 – 89
- +Wu,X.F. Liu,W.T., Liu,Y.F., Huang,Z.J., Zhang,Y.K., Song,X.J.
Reopening of ATP-sensitive potassium channels reduces neuropathic pain and regulates astroglial gap junctions in the rat spinal cord
Pain 152 (2011)2605 - 15
- +Wu,Y. Willcockson,H.H., Maixner,W., Light,A.R.
Suramin inhibits spinal cord microglia activation and long-term hyperalgesia induced by formalin injection
J Pain 5 (2004)48 – 55
- +Wu,Z. Camargo,C.A., Malihi,Z., Bartley,J., Waayer,D., Lawes,C.M.M., Toop,L., Khaw,K.T., Scragg,R.
Monthly vitamin D supplementation, pain and pattern of analgesic prescription: secondary analysis from the randomized, double blind, placebo-controlled vitamin D Assessment study
Pain 159 (2018a)1074 - 82
- +Wu,Z. Wang,S., Gruber,S., Mata,M., Fink,D.J.
Full-length membrane-bound tumor necrosis factor- α acts through tumor necrosis factor receptor 2 to modify phenotype of sensory neurons
Pain 154 (2013)1778 - 82
- +Würthle,G. Rückenschmerzen:Diagnose und Therapie mit EAV
Komplement Integr Med 49 (2008)2: 41 - 3
- +Wuertz,K. Godburn,K., Neidlinger-Wilke,C., Urban,J., Iatridis,J.C.
Behavior of mesenchymal stem cells in the chemical microenvironment of the intervertebral disc
Spine 33 (2008)1843 – 9
- +Wuertz,K. Quero,L., Sekiguchi,M., Klawitter,M., Nerlich,A., Konno,S.I., Kikuchi,S.I., Boos,N.

- The red wine polyphenole Reveratrol shows promising potential for the treatment of nucleus pulposus – mediated pain in vitro and in vivo
- Spine 36 (2011)E 1373 - 85
- (-)Wun,A. Kollias,P., Jeong,H., Rizzo,R.R.N., Cashin,A.G., Bagg,M.K., McAuley,J.H., Jones,M.D.
- Why is exercise prescribed for people with chronic low back pain? A review of the mechanisms of benefit proposed by clinical trialists
- Musculoskel Sci Pract 51 (2021)102307
doi.org/10.1016/j.msksp.2020.102307
- +Wüst,S. van Rossum,E.F.C.,Federenko.I.S., Koper,J., Kumsta,R., Hellhammer,D.H.
- Common polymorphisms in the glucocorticoid receptor gene are associated with adrenocortical responses to psychosocial stress
- J Clin Endocrinol Metab 89 (2004)565 – 73
- Wustrow,I. Riedel,K.D., Mikus,G. et al.
- In vitro identification of the cytochrome P450 isoenzymes involved in the N-demythylation of the active opioid metabolite nortilidine to bisnortilidine to bisnortilidine
- Naunyn Schmiedebergs Arch Pharmacol 385 (2012)633 - 9
- +Wygant,D.H. Arbisi,P.A., Bianchini,K.J., Umlauf,R.L.
- Waddell non-organic signs: new evidence suggest somatic amplification among outpatient chronic pain patients
- Spine J 17 (2017)505 - 10
- Wyke,B.D. The neurology of low back pain
- In: Jayson,M.I.V. (ed.): The lumbar spine and back pain; London, Pitman Medical, 1980, zit. Mitchell & Mitchell. 1995
- Wyke,B. The neurology of joints: a review of general principles
- Clin Rheum Dis 7 (1981) 223 – 239 (zit Suter et al., 2005)
- +Wylde,V. Palmer,S., Learmonth,I.D., Dieppe,P.
- The association between pre-operative pain sensitisation and chronic pain after knee replacement: an exploratory study

- Osteoarthritis Cartilage 21 (2013)1253 – 6
- +Wynne-Jones,G. Artus,M., Bishop,A., Lawton,S.A., Lewis,M., Jowett,S., Kigozi,J., Main,C. und weitere 6 Autoren
- Effectiveness and costs of a vocational advice service to improve work outcomes in patients with musculoskeletal pain in primary care : a cluster randomised trial (SWAP trial ISRCTN 52269669)
- Pain 159 (2018)128 - 38
- +Wynne-Jones G Cowen J, Jordan JL, Uthman O, Main CJ, Glozier N, van der Windt D.
- Absence from work and return to work in people with back pain: a systematic review and meta-analysis.
- Occup Environ Med 2014;71(6):448-56. DOI: 10.1136/oemed-2013-101571.
<http://www.ncbi.nlm.nih.gov/pubmed/24186944>.
- +Wynne-Jones,G. Dunn,K.M., Main,C.J.
- The impact of low back pain on work : a study in primary care consultants
- Eur J Pain 12 (2008)180 - 8
- +Xanthos,D.N. Bennett,G.J., Coderre,T.J.
- Norepinephrin-induced nociception and vasoconstrictor hypersensitivity in rats with chronic post-ischemia pain
- Pain 137 (2008)640 – 51
- +Xanthos,D.N. Sandkühler,J.
- Neurogenic neuroinflammation: inflammatory CNS reactions in response to neuronal activity
- Nat Rev Neurosci 15 (2014)43 – 53
- +Xia,X.P. Chen,H.L., Cheng,H.B.
- Prevalence of adjacent segment degeneration after spine surgery
- Spine 38 (2013)597 - 608
- Xiang,Y. He,J., Tian,H., Cao,B., Li,R.

- Evidence of efficacy of acupuncture in the management of low back pain: a systematic review with meta-analysis
Acupunct Med (2020) doi.org/10.1136/acupmed-2017-011445
- +Xiang,Z. Xiong,Y., Yan,N., Li,X., Mao,Y., Ni,X., He,C., LaMotte,R.H., Burnstock,G., Sun,J.
Functional up-regulation of P2X3 receptors in the chronically compressed dorsal root ganglion
Pain 140 (2008)23 - 34
- +Xiao,X. Zhao,X.T., Xu,L.C., Yue,L.P., Cai,J., Liao,F.F., Kong,J.G., Xing,G.G., Yi,M., Wan,Y.
Shp-1 dephosphorylates TRPV1 in dorsal root ganglion neurons and alleviates CFA-induced inflammatory pain in rats
Pain 156 (2015)597 - 608
- Xie,F. Zhang,J.C., Fu,H., Chen,J.
Age-related decline of myelin proteins is highly correlated with activation of astrocytes and microglia in the rat CNS
Int J Mol Med 32 (2013a)1021 – 8 (zit. Varrassi et al.,2015)
- +Xie,G. Wang,T., Tang,X., Guo,X., Xu,Y., Deng,L., Sun,H., Ma,Z. und 10 weitere Autoren
Acupoint Injection for nonspecific chronic low back pain : A systemic review and meta-analysis of randomized controlled studies
Evid Based Complement Alt Med (2020) ID 3976068 ; doi.org/10.1155/2020/3976068
- +Xie,W. Strong,J.A., Ye,L., Mao,J.X., Zhang,J.M.
Knockdown of sodium channelNa_v1.6 blocks mechanical pain and abnormal bursting activity on afferent neurons in inflamed sensory ganglia
Pain 154 (2013)1170 - 80
- +Xie,W. Tan,Z.Y., Barbosa,C., Strong,J.A., Cummins,T.R., Zhang,J.M.
Upregulation of the sodium channel Na_vbeta4 subunit and its contributions to mechanical hypersensitivity and neural

- hyperexcitability in a rat model of radicular pain induced by local dorsal root ganglion inflammation
- Pain 157 (2016)879 - 91
- Ximenes,A. Robles,M., Sands,G., Vinueza,R.
- Valdecoxib is as efficacious as diclofenac in the treatment of acute low back pain
- Clin J Pain 23 (2007)244 – 50
- +Xu,C. Zhang,H., Zhou,W., Wu,H., Shen,X., Chen,Y., Liao,M., Liu,Y., Yuan,W.
- MicroRNA A-10a, -210, and -563 as circulating biomarkers for ossification of the posterior longitudinal ligament
- Spine J 19 (2019)735 - 43
- +Xu,G. Mei,Q., Zhou,D., Wu,J., Han,L.
- Vitamin D receptor gene and aggrecan gene polymorphism and the risk of intervertebral disc degeneration – a meta analysis
- PLoS One 7 (2012a)e50243
- +Xu,G. Pang,D., Liu,F., Pei,D., Wang,S., Li,L.
- Prevalence of low back pain and associated occupational factors among Chinese coal miners
- BMC Public Health 12 (2012)149
- +Xu,H.G. Ma,M.M., Zheng,Q., Shen,X., Wang,H., Zhang,S.F., Xu,J.J., Wang,C.D., Zhang,X.L.
- P120-catenin protects endplate chondrocytes from intermittent cyclic mechanical tension induced degeneration by inhibiting the expression of RhoA/ROCK-1 signaling pathway
- Spine 41 (2016a)1261 - 71
- +Xu,H.G. Zhang,X.H., Wang,H., Liu,P., Wang,L.T., Zuo,C.J., Tong,W.X., Zhang,X.J.
- Intermittent cyclic mechanical tension-induced calcification and downregulation of ankh gene expression of end plate chondocytes
- Spine 37 (2012)1192 - 7

- +Xu,J Gu,H., Brennan,T.J.
- Increased sensitivity of group III and group IV afferents from incised muscle in vitro
- Pain 151 (2010)744 - 55
- +Xu,J. Lin,R., Wu,Y., Wang,Y., Liu,J., Zhang,Y., Zhang,Y., Xi,C., Wu,Q., Li,X.
- Effect of stimulating acupoint Guanyuan (CV 4) on lower back pain by burning moxa heat for different time lengths: a randomized controlled trial
- J Trad Chin Med 35 (2015)1: 36 - 40
- +Xu,J. Wei,X., Gao,F., Zhong,X., Guo,R., Ji,Y., Zhou,X., Chen,J., Yao,P., Liu,X., Wei,X.
- Nicotinamid adenine dinucleotide phosphate oxidase 2-derived reactive oxygen species contribute to long-term potentiation of C-fiber-evoked field potentials in spinal dorsal horn and persistent mirror-image pain following high-frequency stimulus of the sciatic nerve
- Pain 161 (2020)758 - 72
- +Xu,J.-T. . Xin,W.J., Zang,Y., Wu,C.Y., Liu,X.G.
- The role of tumor necrosis factor-alpha in the neuropathic pain induced by lumbar 5 ventral root transaction in rat
- Pain 123 (2006)306 – 21
- +Xu,K. Uchida,K., Nakajima,H., Kobayashi,S., Baba,H.
- Targeted retrograde transfection of adenovirus vector carrying brain-derived neurotropic factor gene prevents loss of mouse (twy/twy) anterior horn neurons in vivo sustaining mechanical compression
- Spine 31 (2006)1867 – 74
- +Xu,M. Kim,C.J., Neubert,M.J., Heinricher,M.M.
- NMDA receptor mediated activation of medullary pro-nociceptive neurons is required for secondary thermal hyperalgesia
- Pain 127 (2007)253 - 62
- +Xu,Y. Tian,X.B., An,K., Yang,H., Tian,Y.K.

- Lumbar transplantation of immortalized enkephalin-expressing astrocytes attenuates chronic neuropathic pain
Eur J Pain 12 (2008)525 - 33
- +Xu,Y.Q. Zhang,Z.H., Zheng,Y.F., Feng,S.Q.
MicroRNA-221 regulates hypertrophy of ligamentum flavum in lumbar spinal stenosis by targeting TIMP-2
Spine 41 (2016)275 - 82
- +Xu,Z. Li,Y., Zhang,S., Liao,L., Wu,K., Feng,Z., Li,D.
A finite element analysis of sacroiliac joint displacements and ligament strains in response to three manipulations
BMC Musculoskel Disord 21 (2020)709
doi.org/10.1186/s12891-020-03735-y
- +Xue,C.C. Zhang,A.L., Lin,V., Myers,R., Polus,B., Story,D.F.
Acupuncture, chiropractic and osteopathy use in Australia: a national population survey
BMC Public Health 8 (2008)105
- +Xue,X. Chen,Y., Mao,X., Tu,H., Yang,X., Deng,Z., Li,N.
Effect of kinesio taping on low back pain during pregnancy: a systematic review and meta-analysis
BMC Pregnancy Childbirth 21 (2021)712
doi.org/10.1186/s12884-021-04197-3
- +Yabe,Y. Hagiwara,Y., Ando,A., Tsuchiya,M., Minowa,T., Takemura,M., Honda,M., Hatori,K. und weitere 5 Autoren
Chondrogenic and fibrotic process in the ligamentum flavum of patients with lumbar spinal canal stenosis
Spine 40 (2015)429 – 35
- +Yabe,Y. Hagiwara,Y., Sekiguchi,T., Momma,H., Tsuchiya,M., Kanazawa,K., Yoshida,S., Sogi,Y. und 5 weitere Autoren
Low back pain in young sports players. A cross sectional study in Japan
Spine 46 (2021)1154 – 9
doi.org/10.1097/BRS.0000000000003978

- +Yabe,Y. Hagiwara,Y., Sekiguchi,T., Sugawara,Y., Tsuchiya,M., Yoshida,S., Sogi,Y., Onoki,T. und weitere 5 Autoren
A 5-year longitudinal study of low back pain in survivors of the great east Japan earthquake
Spine 46 (2021)695 – 701
doi.org/10.1097/BRS00000000000003860
- +Yabe,Y. Hagiwara,Y., Sekiguchi,T., Sugawara,Y., Tsuchiya,M., Yoshida,S., Tsuji,I.
Association between sleep disturbances and low back pain
Spine 47 (2022)361 – 8
doi.org/10.1097/BRS.00000000000004234
- +Yabuki,S. Kikuchi,S., Olmarker,K., Myers,R.R.
Acute effects of nucleus polposus on blood flow and endoneurial fluid pressure in rat dorsal horn
Spine 23 (1998)2517 - 23
- +Yabuki,S. Onda,A., Kikuchi,S., Myers;R.R.
Prevention of compartment syndrome in dorsal root ganglia caused by exposure to nucleus pulposus
Spine 26 (2001)870 – 5
- (-)Yadollahpour,N. Zahednejad,S., Yazdi,M.J.S., Esfandiarpour,F.
Clustering of patients with chronic low back pain in terms of physical and psychological factors: A cross-sectional study based on the StarT Back Screening Tool
J Back Musculoskel Rehab 33 (2020)581 – 7
doi.org/10.3233/BMR-181484
- +Yaeger,P.C. Masi,T.L., Buck de Ortiz,J.L., Binette,F., Tubo,R., McPherson,J.M.
Synergistic action of transforming growth factor-beta and insulin-like growth factor-1 induces expression of type II collagen and aggrecan genes in adult human articular chondrocytes
Exp Cell Res 237 (1997)318 – 25
- +Yagi,M. Hosogane,N., Watanabe,K., Asazuma,T., Matsumoto,M., Keio Spine Research Group

- The paravertebral muscle and psoas for the maintenance of global spinal alignment in patient with degenerative lumbar skoliosis
- Spine J 16 (2016)451 - 8
- +Yahia,L. Newman,N.
- A scanning electron microscopic and immunohistochemical study of spinal ligaments innervation
- Ann Anat 175 (1993)111 – 4
- +Yahia,L. Newman,N., Rivard,C.H.
- Neurohistology of lumbar spine ligaments
- Acta Orthop Scand 59 (1988)508 – 12
- +Yahia,L.H. Pigeon,P., Des Rosiers,E.A.
- Viscoelastic properties of the human lumbodorsal fascia
- J Biomed Eng 15 (1993)425 – 9
- +Yahia,L. Rhalmi,S., Newman,N. et al.
- Sensory innervation of human thoracolumbar fascia. An immunohistochemical study
- Acta Orthop Scand 63 (1992)195 – 7
- +Yaksh,T.L. Calcium channels as therapeutic targets in neuropathic pain
- J Pain 7 (2006)Suppl. 13 – 30
- Yaksh,T.L. Central pharmacology of nociceptive transmission
- In: Koltzenburg,M., McMahon,S. (eds.)Textbook of pain, 5th edn., Churchill-Livingstone, Elsevier, Oxford 2006 (zit. Baumgärtner, 2010)
- +Yaksh,T.L. Malmberg,A.B.
- Spinal actions of NSAIDs in blocking spinally mediated central hyperalgesia: the role of the cyclooxygenase products
- Agents Actions Suppl 41 (1993)89 – 100
- +Yaksh,T.L. Progel,J.W., Lee,Y.W., Chaplan,S.R.,
- Reversal of nerve ligation-induced allodynia by spinal alpha-2 drenoceptor agonists

- J Pharmacol Exp Ther 272 (1995)207 – 14
- +Yaksi,A. Özgönenel;I.,Özgönenel,B.
The efficiency of gabapentin therapy in patients with lumbar spinal stenosis
Spine 32 (2007)939 – 42
- +Yalcin,I. Charlet,A., Cordero-Erausquin,M., Tessier,L.H., Picciozzo,M.R.,Schlichter,R., Poisbeau,P., Freund-Mercier,M.J., Barrot,M.
Nociceptive thresholds are controlled through spinal beta2-subunit-containing nicotinic acetylcholine receptors
Pain 152 (2011)2131 - 7
- (+)Yalfani,A. Raeisi,Z., Koumasian,Z.
Effects of eight-week water versus mat Pilates on femal patients with chronic nonspecific low back pain: double blind randomized clinical trial
J Bodywork Movem Ther (2020)publ. 27.6.2020
doi.org/10.1016/j.jbmt.2020.06.002
- +Yamada,K. Aota,Y., Higashi,T., Ishida,K., Nimura,T., Konno,T., Saito,T.
Lumbar foraminal stenosis causes leg pain at rest
Eur Spine J 23 (2014)504 – 7
- +Yamada,K. Nakamae,T., Shimbo,T., Kanazawa,T., Okuda,T., Takata,H., Hashimoto,T., Hiramatsu,T., Tanaka,N., Olmaker,K., Fujimoto,Y.
Targeted therapy for low back pain in elderly degenerative lumbar scoliosis
Spine 41 (2016)872 - 9
- +Yamagishi,A. Nakajima,H., Kokubo,Y., Yamamoto,Y., Matsumine,A.
Polarisation of infiltrationg macrophages in the outer annulus fibrosus layer associated with the process of intervertebral disc degeneration and neural ingrowth in the human cervical spine
Spine J 22 (2022)877 – 86
doi.org/10.1016/j.spinee.2021.12.005
- +Yamaguchi,K. Murakami,M., Takahashi,K., Moriya,H., Tasuoka,H., Chiba,T.

- Behavioral and morphologic studies of the chronic
compressed cauda equina: experimental model of lumbar
spinal stenosis in the rat
- Spine 24 (1999)845 – 51
- +Yamamoto,I. Panjabi,M.M., Oxland,T.R., Crisco,J.J.
- The role of the iliolumbar ligament in the lumbosacral
junction
- Spine 15 (1990)1138 – 41
- +Yamamoto,N. Saeki,K., Kurumatani,N.
- Work-related musculoskeletal disorders and associated
factors in teachers of physically and intellectually disabled
pupils
- J Nara Med Assoc 54 (2003)83 – 101
- Yamamoto,T. Yaksh,T.L.
- Spinal pharmacology of thermal hyperesthesia induced by
constriction injury of sciatic nerve excitatory amino acid
antagonists
- Pain 49 (1992)121 – 8 (zit. Sung et al., 2007)
- +Yamaura,I. Yone,K., Nakahara,S., Nagamine,T., Baba,H., Uchida,K.,
Komiya,S.
- Mechanism of destructive pathologic changes in the spinal
cord under chronic mechanical compression
- Spine 27 (2002)21 – 6
- +Yamashita,K. Aono,H., Yamasaki,R.
- Clinical classification of patients with lumbar spinal stenosis
based on their leg pain syndrome
- Spine 32 (2007)980 – 5
- +Yamashita,M. Ohtori,S., Koshi,T., Inoue,G., Yamauchi,K., Suzuki,M.,
Takahashi,K.
- Tumor necrosis factor-alpha in the nucleus pulposus
mediates radicular pain, but not increase of inflammatory
peptide, associated with nerve damage in mice
- Spine 33 (2008)1836 – 42

- +Yamashita,M. Yamauchi,K., Suzuki,M., Educhi,Y., Orita,S., Endo,M., Yamashita,T., Takahashi,K., Ohtori,S.
- Transfection of rat cells with proopiomeranocortin gene, precursor of endogenous endorphin, using radial shock waves suppresses inflammatory pain
- Spine 34 (2009)2270 - 7
- +Yamashita,T. Cavanaugh,J.M., El-Bohy,A., Getchell,T.V., King,A.I.
- Mechanosensitive afferent units in the lumbar facet joint
- J Bone Joint Surg Am 72 (1990)865 – 70
- +Yamashita,T. Cavanaugh,J.M., Özakıay,A.C., Avramov,A.I., Getchell,T.V., King,A.I.
- Effect of substance P on mechanosensitive units of tissues around and in the lumbar facet joint
- J Orthop Res 11 (1993)205 – 14
- +Yamashita,T. Fujitani,M., Hata,K. et al.
- Inhibition of axon regeneration by myelin inhibitors
- Tampakushitsu Kakusan Koso 50 (2005)403 – 9
- +Yamashita,T. Minaki,Y., Oota,I et al.
- Mechanosensitive afferent units in the lumbar intervertebral disc and adjacent muscle
- Spine 18 (1993a)2252 – 6
- +Yamato,T.P. Maher,C., Saragiotto,B.T., Hancock,M.J., Ostelo,R.W.J.G., Cabral,C.M.N., Menezes Costa,L.C., Costa,L.O.P:
- Pilates for low back pain. Complete republication of a Cochrane review
- Spine 41 (2016)1013 - 21
- +Yamauchi,K. Inoue,G., Koshi,T., Yamashita,M., Ito,T. Suzuki,M., Educhi,Y., Orita,S., Takaso,M., Nakgawa,K. und weitere 7 Autoren
- Nerve growth factor of cultured medium extracted from human degenerative nucleus pulposus promotes sensory nerve growth and induces substance P in vitro
- Spine 34 (2009)2263 – 9

+Yanamadala,V.

Leveque,J.C.A., Sethi,R.K.

Multidisciplinary conference leads to decreased utilization of spinal fusion in the management of degenerative spine disease

Proceedings of the 32nd annual meeting of the North American Spine Society, Orlando, Florida, October 25 – 28, 2017

Spine J 17 (2017) 10 Suppl.: S 127

+Yang,C.Y.

Tsai,Y.A., Wu,P.K., Ho,S.Y., Chou,C.Y., Huang,S.F.

Pilates-based core exercise improves health-related quality of life in people living with chronic low back pain: A pilot study

J Bodywork Movem Ther (2021) publ. 19.März
doi.org/10.1016/j.jbmt.2021.03.006

+Yang,F.

Xu,Q., Shu,B., Tiwan,V., He,S.Q., Vera-Portocarrero,L.P., Dong,X., Linderoth,B., Raja,S.N., Wang,Y., Guan,Y.

Activation of cannabinoid CB1 receptor contributes to suppression of spinal nociceptive transmission and inhibition of mechanical hypersensitivity by A beta – fiber stimulation

Pain 157 (2016a)2582 - 93

+Yang,H.

Haldeman,S.

Behavior-related factors associated with low back pain in the US adult population

Spine 43 (2018)28 - 34

+Yang,H.

Wu,J., Liu,J., Ebraheim,M., Castillo,S., Liu,X., Tang,T., Ebraheim,N.A.

Transplanted mesenchymal stemm cells with pure fibrinous gelatin-transforming growth factor-beta1 decrease rabbit intervertebral disc degeneration

Spine J 10 (2010)802 - 10

+Yang,H.S.

Lu,X.H., Chen,D.Y., Yuan,W., Yang,L.L., He,H.L., Chen,Y.

Upregulated expression of connexin43 in spinal ligament fibroblasts derived from patients presenting ossification of the posterior longitudinal ligament

Spine 36 (2011a)2267 - 74

- +Yang,J.Y. Lee,J.K., Song,H.S
- The impact of adjacent segment degeneration on the clinical outcome after lumbar spinal fusion
- Spine 33 (2008)503 - 7
- Yang,K.S. The expression of survivin and its significance in intervertebral disc. Dissertation, tutor Chen Bohu, Qingdao University, 2013 (zit. Yue et al., 2013)
- Yang,L. Mu,L., Huang,K., Zhang,T., Mei,Z., Zeng,W., He,J., Chen,W., Liu,X., Ye,X., Yan,Z.
- Abdominal adipose tissue thickness measured using magnetic resonance imaging is associated with lumbar disc degeneration in a Chinese patient population
- Oncotarget 7 (2016)82055 – 62 (Internetzugriff 28.2.2017)
- +Yang,L. Stephens,G.J.
- Effects of neuropathy on high-voltage-activated Ca^{2+} current in sensory neurons
- Cell Calcium 46 (2009)248 – 56
- +Yang,L. Wang,S., Lim,G., Sung,B., Zeng,Q., Mao,J.
- Inhibition of the ubiquitin-proteasome activity prevents glutamate transporter degradation and morphine tolerance
- Pain 140 (2008a)472 – 8
- +Yang,P.F. Chen,D.Y., Hu,J.W., Chen,J.H., Yen,C.T.
- Functional tracing of medial nociceptive pathways using activity-dependent manganese-enhanced MRI
- Pain 152 (2011)194 - 203
- +Yang,R.H. Wang,W.T., Chen,J.Y., Xie,R.G., Hu,S.J.
- Gabapentin selectively reduces persistent sodium current in injured type-A dorsal root ganglion neurons
- Pain 143 (2009)48 – 55
- +Yang,R.H. Xing,J.L., Duan,J.H., Hu,S.J.
- Effects of gabapentin on spontaneous discharges and subthreshold membrane potential oscillation of type A neurons in injured DRG

- Pain 116 (2005)187 - 93
- +Yang,S.H. Wu,C.C., Shih,T.T.F., Sun,Y.H., Lin,F.H.
- In vitro study on interaction between human nucleus pulposus cells and mesenchymal stem cells through paracrine stimulation
- Spine 33 (2008)1951 - 7
- Yang,Y.-R. He,Y., Zhang,Y., Li,Y, Han,Y., Zhu,H., Wang,Y.
- Activation of cyclin-dependent kinase 5 (Cdk5) in primary sensory and dorsal horn neurons by peripheral inflammation contributes to heat hyperalgesia
- Pain 127 (2007)109 – 20
- +Yang,Y.X. Lewis,J.D., Epstein,S., Metz,D.C.
- Long-term proton pump inhibitor therapy and the risk of hip fracture
- JAMA 296 (2006)2947 – 53
- +Yang,X. Yang,H.B., Xie,Q.J., Liu,X.H., Hu,X.D.
- Peripheral inflammation increased the synaptic expression of NMDA receptors in spinal horn
- Pain 144 (2009a)162 - 9
- +Yantis,S. The neural basis of selective attention. Cortical sources and targets of of attentional modulation
- Curr Dir Psychol Sci 17 (2008)86 – 90
- +Yantzer,B.K. Freeman,T.B., Lee,W.E., Nichols,T., Inamasu,J. Guiot,B., Johnson,W.M.
- Torsion-induced pressure distribution changes in human intervertebral discs
- Spine 32 (2007)881 – 4
- +Yao,W. Mai,X., Luo,C., Ai,F., Chen,Q.
- A cross-sectional survey of nonspecific low back pain among 2083 schoolchildren in China
- Spine 36 (2011)1885 – 90
- doi.org/10.1097/BRS.0b013e3181faadea

- +Yardley,L. Redfern,M.S.
Psychological factors influencing recovery from balance disorders
J Anxiety Disord 15 (2001)107 – 19
- +Yarjanian,J.A. Fetzer,A., Yamakawa,K.S., Tong,H.C., Smuck,M., Haig,A.
Correlation of paraspinal atrophy and degeneration in back pain and spinal stenosis relative to asymptomatic controls
Phys Med Rehabil 5 (2013)39 - 44
- +Yarlas,A. Miller,K., Wen,W., Lynch,S.Y., Ripa,S.R., Pergolizzi,J.V., Raffa,R.B.
Buprenorphine transdermal system improves sleep quality and reduces sleep disturbance in patients with moderate-to-severe chronic low back pain: results from two randomized controlled trials
Pain Pract 16 (2016)345 - 58
- +Yarlas,A. Miller,K., Wen,W., Lynch,S.Y., Munera,C., Dain,B., , Pergolizzi,J.V., Raffa,R.B. Ripa,S.R.
A subgroup analysis found no diminished response to buprenorphine transdermal system treatment for chronic low back pain patients classified with depression
Pain Pract 16 (2016a)473 - 85
- +Yarnitzky,D. Conditioned pain modulation (the diffuse noxious inhibitory control-like effect): its relevance for acute and chronic pain states
Curr Opin Anesthesiol 23 (2010)611 – 5
- +Yarnitzky,D. Arendt-Nielsen,I., Bouhassira,D., Edwards,R.R., Fillingim,R.B., Granot,M., Hansson,B., Lautenbacher,S., Marchand,S., Wilder-Smith,O.
Recommendations on terminology and practice of psychophysical DNIC testing
Eur J Pain 14 (2010)339
- Yarnitzky,D. Ochoa,J.L.
Differential effect of compression-ischaemia block on warm sensation and heat-induced pain

- Brain 114 (1991)907 – 13 (zit. Lang et al., 2007)
- (+)Yarznbowicz,R. Tao,M., Owens,A., Wlodarski,M., Dolutan,J.
- Pain pattern classification and directional preference are associated with clinical outcomes for patients with low back pain
- J Manual Manipul Ther (2017) doi: 10.1080/10669817.2017.1343538
- Yassin,M. Oron,A., Robinson,D.
- Effect of adding medical cannabis to analgetic treatment in patients with low back pain related to fibromyalgia: an observational cross-over single centre study
- Clin Exp Rheumatol 37 (2019)Suppl. 116: S 13 – 20 (Praxis Dep.3/2019)
- +Yasuda,H. Shima,N., Nakagawa,N., Yamaguchi,K., Kinoshita,M., Mochizuki,S.I., Tomoyasu,A., Yano,K. und weitere 8 Autoren
- Osteoclast differentiation factor is a ligand for osteoprotegerin/osteoclastogenesis-inhibitory factor and is identical to TRANS/RANKL
- Proc Natl Acad Sci USA 95 (1998)3597 – 602
- +Yasuma,T. Makino,E., Saito,S., Inui,M.
- Histological development of intervertebral disc herniation
- J Bone Joint Surg Am 68 (1986)1066 – 72
- +Yasuma,T. Arai,K., Yamauchi,Y.
- The histology of lumbar intervertebral disc herniation. The significance of small blood vessels in the extruded tissue
- Spine 18 (1993)1761 – 5 (zit. Pezowicz et al., 2006)
- +Yates,J.P. McGill,S.M.
- The effect of vibration and posture on the progression of intervertebral disc herniation
- Spine 26 (2011)386 - 92
- +Yatziv,S.L. Devor,M.

- Suppression of neuropathic pain by selective silencing of dorsal root ganglion ectopia using nonblocking concentrations of lidocaine
- Pain 160 (2019)2105 - 14
- +Ye,B. Liao,D., Zhang,X., Dong,H., Hugarir,R.L.
- GRASP-1: a neuronal rasGEF associated with the AMPA receptor/GRIP-complex
- Neuron 26 (2000)603 – 17
- +Ye,Z. Wimalawansa,S.J., Westlund,K.N.
- Receptor for calcitonin gene related peptide: localisation in the dorsal and ventral spinal cord
- Neurosci 92 (1999)1389 – 97
- +Yeh,C.H. Jin,L., Shen,F., Balian,G., Li,X.J.
- miR-221 attenuates the osteogenic differentiation of human annulus fibrosus cells
- Spine J 16 (2016)896 - 904
- +Yelland,M.J. Glasziou,P.P., Bogduk,N., Schluter,P.J., McKernon,M.
- Prolotherapy injections, saline injections and exercises for low back pain: a randomized trial
- Spine 29 (2004)9 – 16
- +Yeoman,W. The relation of arthritis of the sacroiliac joint to sciatica, with an analysis of 100 cases
- Lancet 1928: 2: 1119 – 22
- Yeomans,N.D. et al. Direct comparison of omeprazol and misoprostol as maintainance for NSAID-associated gastroduodenal ulcers, erosions and symptoms
- Rheumatol Eur 25 (1996)Suppl. 80 (zit. AMK, 2007)
- +Yeung,C.K. Leung,M.C., Chow,D.H.
- The use pf electro-acupuncture in conjunction with exercise for the treatment of chronic low back pain
- J Altern Complement Ther 9 (2003)479 – 90
- +Yeung,S.T.A. Colagiuri,B., Lovibond,P.F., Colloca,L.

- Partial reinforcement, extinction, and placebo analgesia
Pain 155 (2014)1110 - 7
- +Yildirim,P. Gultekin,A.
The effect of a stretch and strength-based Yoga exercise program on patients with neuropathic pain due to lumbar disc herniation
Spine 47 (2022)711 – 9
doi.org/10.1097/BRS.0000000000004316
- +Yildizhan,A. Pasaoglu,A., Okten,T.
Intradural disc herniations: pathogenesis, clinical picture, diagnosis and treatment
Acta Neurochir (Wien) 110 (1991)160 – 5
- Yilgar,C. Yavuz,Y., Sogunmez,N., Haddad,G., Mannion,A., Abul,K., Boissiere,C., ..., Alanay,A. und weitere 5 Autoren
Relative pelvic version: an individualized pelvic incidence-based proportional parameter that quantifies pelvic version more precisely the pelvic tilt
Spine J 18 (2018)1787 – 97
doi.org/10.1016/j.spinee.2018.03.001
- +Yilmaz,F. Yilmaz,A., Merdol,F., Parlar,D., Sahin,F., Kuran,B.
Efficacy of dynamic lumbar stabilisation exercise in lumbar micro-discectomy
J Rehabil Med 35 (2003)163 – 7
- +Yilmaz,P. Diers,M., Diener,S., Rance,M., Wessa,M., Flor,H.
Brain correlates of stress-induced analgesia
Pain 151 (2010)522 - 9
- +Yin,R. Wang,J.C., Lord,E.L., Cohen,J.R., Takahashi,S.
Distribution of Schmorl's nodes in the lumbar spine and their relationship with lumbar disc degeneration and range of motion
Proceedings of the 29th annual meeting of the North American Spine Society
Spine J 14 (2014)11S: 108S

- +Yin,X. Chen,Z., Gou,Z., Liu,X., Yu,H.
Tissue transglutaminase expression and activity in human ligamentum flavum cells derived from thoracic ossification of ligamentum flavum
Spine 35 (2010)E1018 - 24
- +Yip,Y.B. Tse,S.H.
The effectiveness of relaxation acupoint stimulation and acupressur with aromatic lavender essential oil for non-specific low back pain in Hong Kong: a randomised controlled trial
Complement Ther Med 12 (2004)28 – 37
- +Yohn,J.J. Smith,C., Stevens,T., Morinelli,J.C., Shurnas,I.R., Walchak,S.J., Hoffman,T.A., Kelley,K.K., Escobedo-Morse,A., Yanagisawa,M., Kane,M.A., Zamora,M.R.
Autoregulation of endothelin-1 secretion by cultured human keratinocytes via the endothelin B receptor
Biochem Biophys Acta 1224 (1994)454 – 8
- +Yong-Hing,K. Kirkaldy-Willis,W.H.
The pathophysiology of degenerative disease of the lumbar spine
Orthop Clin North Am 14 (1983)491 – 504
- +Yoo,C.H. Rani,N., Shen,S., Loggia,M.L., Gaynor,K., Moore,K.E., Bagdasarian,F.A., ..., Wey,H.W. und weitere 4 Autoren
Investigation neuroepigenetic alterations in chronic low back pain with positron emission tomography
Pain 165 (2024)2586 – 94
doi.org/10.1097/j.pain.0000000000003272
- +Yoo,J.U. Melver,T., Ragel,B.T., Hamilton,D.K., Hiratzka,J.R., Ching,A.C., Zusman,N.L., Marshall,L.
Number of Weddell's signs present is associated with patients' perception of their disability, physical and mental health
Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Luisiana, October 9 – 12, 2013;

- Spine J 13 (2013) Suppl 9S: 24 S
- +Yoon,J.S. Sim,K.H., Kim,S.J., Kim,W.S., Koh,S.B., Kim,B.J.
- The feasibility of colour doppler ultrasonography for caudal epidural steroid injection
- Pain 118 (2005)210 – 14
- +Yoon,S.D. Commentary: A promising gene therapy approach to treat disc degeneration
- Spine J 12 (2012)21
- + Yoon,S.T. Kim,K.S., Li,J., Park,J.S., Akamaru,T., Elmer,W.A., Hutton,W.C.
- The effect of bone morphogenetic protein-2 on rat intervertebral disc cells in vitro
- Spine 28 (2003)1773 – 80
- +Yoshida,G. Yasuda,T., Togawa,D., Hasegawa,T., Yamato,Y., Kobayashi,S., Arima,H., Hoshino,H., Matsuyama,Y.
- Craniopelvic alignment in elderly asymptomatic individuals. Analysis of 621 cranial centers of gravity
- Spine 39 (2014)1121 - 7
- +Yoshida,M. Shima,K., Taniguchi,Y., Tamaki,T., Tanaka,T.
- Hypertrophied ligamentum flavum in lumbar spinal canal stenosis
- Spine 17 (1992)1353 – 60
- +Yoshida,T. Park,J.S., Yokosuka,K., Jimbo,K., Yamada,K., Sato,K., Takeuchi,M., Yamagishi,S.I., Nagata,K.
- Up-regulation in receptor for advanced glycation end-products in inflammatory circumstances in bovine coccygeal intervertebral disc specimens in vitro
- Spine 34 (2009)1544 - 8
- +Yoshida,W. Seymour,B., Koltzenburg,M., Dolan,R.J.
- Uncertainty increases pain: evidence for a novel mechanism of pain modulation involving the periaqueductal gray
- J Neurosci 33 (2013)5638 – 46
- +Yoshihara,K. Shirai,Y., Nakayama,Y., Uesaka,S.

- Histochemical changes in the multifidus muscle in patients with lumbar intervertebral disc herniation
- Spine 26 (2001)622 – 6
- Yoshino,A. Maekawa,T., Kato,M., Chan,H.L., Otsuro,N., Yamawaki,S.
- Changes in resting-state brain activity after cognitive behavioral therapy for chronic pain. A magnetoencephalography study
- J Pain 25 (2024)8: 104523
doi.org/10.1016/j.jpain.2024.104523
- +Yoshio,M. Murakami,G., Sato,S., Noriyasu,S.
- The function of the psoas major muscle: passive kinetics and morphological studies using donated cadavers
- J Orthop Sci 7 (2002)199 – 207
- Yoshioka,T. – n - Tsuji,H., Hirano,N., Saino,S.
- Motion characteristic of the normal lumbar spine in young adults: instantaneous, axis of rotation and vertebral centre motion analysis
- J Spinal Dis 3 (1990)103 – 13 (zit Rucco et al., 1996)
- +You,C. Zhu,K., Liu,X., Xi,C., Zhang,Z., Xu,G., Yan,J.
- Tumor necrosis factor alpha-dependent infiltration of macrophages into the dorsal root ganglion in a rat disc herniation model
- Spine 38 (2013a)2003 - 7
- +You,J.J. Bederman,S., Symons,S., Bell,C.M., Yun,L., Laupacis,A., Rampersaud,Y.R.
- Patterns of care after magnetic resonance imaging of the spine in primary care
- Spine 38 (2013)51 - 9
- Youn,D.-H. Royle,G., Kolaj,M., Vissel,B., Randic,M.
- Enhanced LTP of primary afferent neurotransmission in AMPA receptor GluR2-deficient mice
- Pain 136 (2008)158 - 67

- +Younes,M. Bejia,I., Aguir,Z.,Letaief,M., Hassen-Zrour,S., Touzi,M., Bergaoui,N.
Prevalence and risk factors of disc-related sciatica in an urban population in Tunisia
Joint Bone Spine 3 (2006)538 – 42
- +Younes,M. Nowakowski,K., Didier-Laurent,B., Gombert,M., Cottin,F.
Effect of spinal manipulative treatment on cardiovascular autonomic control in patients with acute low back pain
Chiropr Man Ther 25 (2017)33
- +Young,A.E. Wasiak,R., Phillips,L., Gross,D.P.
Worker’s perspectives on low back pain recurrence: “It comes and goes, but its always there”
Pain 152 (2011)204 - 11
- +Young,G.T. Emery,E.C., Mooney,E.R., Tsantoulas,C., McNaughton,P.A.
Inflammatory and neuropathic pain are rapidly suppressed by peripheral block of hyperpolarisation-activated cyclic nucleotide-gated ion channels
Pain 155 (2014)1708 - 19
- +Young,J. Yao,S.C., Abu-Sbaih,R., Li,T.S.
Second-year osteopathic student evaluation of the prevalence of a positive Thomas test and a psoas tender point before and after treatment with counterstrain technique (abstract)
AAO J 24 (2014)1: 21
- +Young,J.Z. Effects of use and disuse on nerve and muscle
Lancet (1946)109 - 13
- Young,K.J. Leboeuf-Yde,C., Gorrell,L., Bergström,C., Evans,D.W., Axen,I., ..., Vogel,S. und 12 weitere Autoren
Chiropr Man Ther 32 (2024)28 doi.org/10.1186/s12998-024-00549-w
- +Young,S.R. Dyson,M.
Macrophage responsiveness to therapeutic ultrasound

- Ultrasound Med Biol 16 (1990)809 – 16
- +Young,T.J.B. Chiro,M., Hayek,R., Chiro,M., Philipson,S.A.
A cervical manikin procedure for chiropractic skills development
J Manipulative Physiol Ther 21 (1998)241 – 5
- +Younger,J.W. Chu,L.F., d’Arcy,N.T., Trott,K.K., Jastrzab,L.E., Mackey,S.C.
Prescription opioid analgesics rapidly change the human brain
Pain 152 (2011)1803 - 10
- +Younger,J.W. Shen,Y.F., Goddard,G., Mackey,S.C.
Chronic myofascial temporomandibular pain is associated with neural abnormalities in the trigeminal and limbic systems
Pain 149 (2010)222 - 8
- +Yousef,A. PB121: Double blinded randomized study comparing the effects of low dose ketamine infusion in patients with neuropathic low back pain
Pain Pract 9 (2009)Suppl.1: 127
- +Yousuf,A, Klinger,F., Schlicker,K., Boehm,S.
Nucleotides control the excitability of sensory neurons via two P2Y receptors and a bifurcated signalling cascade
Pain 152 (2011)1899 - 1908
- +Yowtak,J. Lee,K.Y., Kim,H.Y., Wang,J., Kim,H.K., Chung,K., Kung,J.M.
Reactive oxygen species contribute to neuropathic pain by reducing spinal GABA release
Pain 152 (2011)844 - 52
- +Yowtak,J. Wang,J., Kim,H.Y., Lu,Y., Chung,K., Chung,J.M.
Effect of antioxidant treatment on spinal GABA neurons in a neuropathicpain model in the mouse
Pain 154 (2013)2469 - 76
- Yozbatiran,N. Yildirim,Y., Parlak,B.
Effect of fitness and aquafitness exercises on physical fitness in patients with chronic low back pain

- Pain Clinic 16 (2004)35 – 42 (zit. Hayden et al., 2005)
- +Yu,J. Schollum,M.L., Wade,K.R., Broom,N.D., Urban,J.P:G.
- ISSLS Prize Winner : A detailed examination of the elastic network leads to a new understanding of annulus fibrosus organization
- Spine 40 (2015)1149 - 57
- (-)Yu,K. Pfortenhauer,K., Pierce-Talsma,S.
- OMT for patients with sacral somatic dysfunction
- J Am Osteop Ass 118 (2018)e15
- Yu,L. Pharmacogenetics: the OPRM (mu-Opioid-Rezeptor) – Gen
- In: Mogil,J.S. (ed.): The genetics of pain (progress in pain research and management) 2004: 28 Seattle: IASP Press, 2004, p.239 – 56 (zit. Smith et al., 2007)
- +Yu,L.P. Qian,W.W., Yin,G.Y., Ren,Y.X., Hu,Z.Y.
- MRI assessment of lumbar intervertebral disc degeneration with lumbar degenerative disease using the pfirrmann grading system
- PloS One 7 (2012)e48074
- +Yu,S.W. Haughton,V.M., Sether,L.A., Wagner,M.
- Anulus fibrosus in bulging intervertebral discs
- Radiology 169 (1988)761 – 3
- +Yu,Y.W.Y. Chen,T.J., Hong,C.J., Chen,H.M., Tsai,S.J.
- Association study of the interleukin-1 beta (C511-T) genetic polymorphism with major depressive disorder, associated symptomatology and antidepressant response
- Neuropsychopharmacology 28 (2003)1182 – 5
- +Yu,W.H.. Yu,S.C., Meng,Q., Brew,K., Woessner,J.F.
- TIMP-3 binds to sulphated glycosaminoglycans of the extracellular matrix
- J Biol Chem 276 (2000)31226 – 32
- +Yu,X.H. Cao,C.Q., Martino,G., Puma,C., Morinville,A., St-Onge,S., Lessard,E., Perkins,M.N., Laird,J.M.A.

- A peripherally restricted cannabinoid receptor agonist produces robust anti-nociceptive effects in rodent models of inflammatory and neuropathic pain
- Pain 151 (2010)337 - 44
- Yu,Z.G. Xu,N, Wang,W.B. et al.
- Interleukin-1 inhibits Sox9 and collagen type II expression via nuclear factor kappa B in the cultured human intervertebral disc cells
- Chin Med J (Engl) 122 (2009)2483 – 8 (zit. Mayer et al., 2013)
- +Yuan,C.H. Shi,H.C., Pan,P.L, Dai,Z.Y., Zhong,J.G., Ma,H.R., Sheng,L.Q.
- Gray matter abnormalities associated with chronic back pain. A meta-analysis of voxel-based morphometric studies
- Clin J Pain 33 (2017)983 - 90
- +Yuan,H.Y. Tang,Y., Liang,X.Y., Lei,L., Xiao,G.B., Wang,S., Xia,Z.L.
- Matrix-metalloproteinase-3 and vitamin D receptor polymorphisms and their interaction with occupational exposure in lumbar disc degeneration
- J Occup Health 52 (2010)23 – 30
- +Yuan,J. Purepong,N., Kerr,D.P., Park,J., Bradbury,I., McDonough,S.
- Effectiveness of acupuncture for low back pain: a systematic review
- Spine 33 (2008)E887 – 900
- +Yuan,J. Wen,J., Wu,S., Mao,Y., Mo,K., Li,Z., Su,S., Gu,H., Ai,Y., Bekker,A., Zhang,W., Tao,Y.X.
- Contribution of dorsal root ganglion octamer transcription factor 1 to neuropathic pain after peripheral nerve injury
- Pain 160 (2019)375 - 84
- +Yuan,W. Che,W., Jiang,Y.Q., Yuan,F.L. Wang,H.R., Zheng,G.L., Li,X.L.,Dong,J.
- Establishment of intravertebral disc degeneration model induced by ischemic sub-endplate in rat tail
- Spine J 15 (2015)1050 - 9

- +Yue,B. Lin,Y.Z., Ma,X.X., Xiang,H.F., Qiu,C.S., Zhang,J.H., Li,L.Y., Chen,B.H.
- Survivin-TGFB3-Timp1 gene therapy via lentivirus vector slows the course of intervertebral disc degeneration in an in vivo rabbit model
- Spine 41 (2016)926 - 34
- +Yue,J. Liu,L., Liu,Z., Shu,B., Zhang,Y.
- Upregulation of T-type Ca^{2+} channels in primary sensory neurons in spinal nerve injury
- Spine 38 (2013)463 - 70
- Yue,S.K. Initial experience in the use of botulinum-toxin A for the treatment of myofascial related muscle dysfunctions
- J Musculoskelet Pain 3 (1995) Suppl.1: 22 (zit. Goebel, 2006)
- Yue,S.K. Wang,X.D., Xie,B., Li,Z.H., Chen,B.L., Wang,X.Q., Zhu,Y.
- Sling exercise for chronic low back pain: A systematic review and meta-analysis
- PLoS ONE 9 (2014)e99307 (zit. Schroeder et al., 2015)
- Yuen,J.W.M. Tsang,W.W.N., Tse,S.H.M., Loo,W.T.Y., Chan,S.T., Wong,D.L.Y., Chang,H.Y.H., Tam,J.K.K., Chai,T.K.S., Chiang,V.C.L.
- The effects of Gua sha on symptoms aand inflammatory biomarkers associated with chronic low back pain. A randomized active-controlled crossover pilot study in the elderly.
- Complement Ther Med 32 (2017)25 – 32
doi.org/10.1016/j.ctim.2017.03.010
- +Yukawa,Y. Kato,F., Matsubara,Y., Kajino,G., Nakamura,S., Nitta,H.
- Serial magnetic resonance imaging follow-up study of lumbar disc herniation conservative treated for average 30 month; relation between reduction of herniations and degeneration pf disc
- J Spinal Disord 9 (1998)251 – 6
- +Yuksel,S. Ayhan,S., NabiyeV., Domingo-Sabat,M., Vila-Casademunt,A., Obeid,I., Perez-Grueso,F.S., Acaroglu,E.,

- Minimal clinical important difference of the health-related quality of life scales in adult spinal deformity calculated by latent class analysis: is it appropriate to use the same values for surgical and nonsurgical patients?
- Spine J 19 (2019)71 - 8
- +Yunus,M.B. Gender differences in fibromyalgia and other related syndromes
- J Gender Specif Med 5 (2002)42 – 7
- +Yunus,M.B. Role of central sensitization in symptoms beyond muscle pain, and the evaluation of a patient with widespread pain
- Best Pract Res Clin Rheumatol 21 (2007)481 – 97
- +Yunus,M.B. Central sensitivity syndromes: a new paradigm and group nosology for fibromyalgia and overlapping conditions and the related issue of disease versus illness
- Semin Arthrit Rheum 37 (2008)339 – 52
- +Yurtkuran,M. Alp,A., Dilek,K.
- A modified yoga-based exercise program in hemodialysis patients: a randomized controlled study
- Complement Ther Med 15 (2007)164 – 71
- +Zadro,J.R. Shirley,D., Pinheiro,M.B., Sanchez-Romera,J.F., Perez-Riquelme,F., Ordonana,J.R., Ferreira,P.H.
- Does educational attainment increase the risk of low back pain when genetics are considered? A population-based study of Spanish twins
- Spine J 17 (2017)518 - 30
- +Zadro,J.R. Shirley,D., Sanchez-Romera,J.F., Ordonana,J.R., Ferreira,P.H.
- Does familial aggregation of chronic low back pain affect recovery? A population-based twin study
- Spine 42 (2017)1295 - 1301
- (+)Zafero,J. Wang-Price,S., Roddey,T., Brizzolara,K.
- Regional manual therapy and motor control exercise for chronic low back pain: a randomized clinical trial
- J Man Manipulat Ther online 15.2.2018,
doi:10.1080/10669817.2018.1433283

(+)Zahari,Z.

Ishak,A., Justine,M.

The effectiveness of patient education in improving pain, disability and quality of life among older people with low back pain: A systematic review

J Back Muskuloskel Rehab (2019) publ. 19.7.2019, print 33 (2020)245-54 doi.org/10.3233/BMR-181305

(-)Zahari,Z.

Amir,A., Kuan,C.S., Amanati,S.

Effectiveness of manual therapy on pain, disability and quality of life for elderly with low back pain

Environ Behav Proc J 7 (2022)21: AiceE-Bs2022KotaKinabalu, Malaysia 07 – 08 Sep 2022 (DRAFT)/health/healinh environment
<https://ebpj.e-iph.co.uk/index.php/EBProceedings/article/view/3732>

+Zain,M.

Bonin,R.P.

Alterations in evoked and sponateous activity of dorsal horn wide dynamic range neurons in pathologigal pain: a systematic review and analysis

Pain 160 (2019)2199 - 209

Zaina,F.

Donzelli,S., Lusini,M., Fusco,C., Minnella,S., Negrini,S.

Tennis is not dangerous for the spine during growth: results of a cross-sectional study

Eur Spine J 25 (2016)2938 – 44 (zit. Pieber, 2018)

+Zak,K.

Besteht ein Zusammenhang zwischen Sportverletzungen an der Schulter und funktionellen Störungen der Wirbelsäule?

Manuelle Med 35 (1997)149 - 51

Zaman,J.

Ceulemans,E., Hermans,D., Beckers,T.

Direct and indirect effects of perception on generalisation gradients

Behav Res Ther 114 (2019)44 – 50
doi.org/10.1016/j.brat.2019.01.006

+Zanella,J.M.

Burright,E.N., Hildebrand,K., Hobot,C., Cox,M., Christoferson,L. McKay,W.F.

Spine 33 (2008)227 - 34

- +Zapata,A.L. Moraes,A.J.P., Leone,C., Doria-Filho,U., Silva,C.A.A.
Pain and musculoskeletal pain syndromes related to computer and video game use in adolescents
Eur J Pediat 165 (2006)408 – 14
- +Zapata,A.L. Moraes,A.J.P., Leone,C. et al.
Pain and musculoskeletal pain syndromes in adolescents
J Adolesc Health 38 (2006a)769 – 71
- Zaruck,M.V. A profession for “Bohemian chiropractic”: Oakley Smith and the evolution of naprapathy
Chiropr Hist 6 (1986)77 – 86 (zit. Skillgate et al., 2007)
- +Zargooni,K. Beyer,F., Siewe,J., Eysel,P.
Orthesenbehandlung bei akuten und chronischen Erkrankungen der Hals- und Lendenwirbelsäule
Dt Ärztebl 110 (2013)737 - 42
- Zautra,A.J. Fasman,R., Reich,J.W., Harakas,P., Johnson,L.M., Olmstedt,M.E., Davis,M.C.
Fibromyalgia: evidence for deficits in positive affect regulation
Psychosomatic Med 67 (2005b)147 – 55
doi.org/10.1097/01.psy.0000146328.52009.23
- +Zautra,A.J. Johnson,L.M., Davis,M.C.
Positive affect as a source of resilience for women in chronic pain
J Consult Clin Psych 73 (2005a)212 – 20
doi.org/10.1037/0022-006X.73.2.212
- +Zayed,N. Afif,H., Chabane,M., Mfuma-Endam,I., Benderdour,M., Martel-Pelletier,J., Pelletier,J.P., Motiani,R.K., Trebak,M., Duval,N., Fahmi,H.
Inhibition of interleukin 1 beta-induced matrix metalloproteinases 1 and 13 production in human osteoarthritic chondrocytes by prostaglandin D2
Arthritis Rheum 58 (2008)3530 – 40
- Zbozinek,T.D. Craske,M.G.

- The role of positive affect in enhancing extinction learning and exposure therapy for anxiety disorders
J Exp Psychopathol 8 (2017)13 – 39 (so zit. Vandael et al., 2023)
- +Zdeblick,T.A. The second half (presidential address)
Spine 34 (2009)2835 - 7
- +Zehetmeier,K.F. Fröhlich,M.K., Schilder,A., Lis,S., Schmahl,C., Treede,R.D., Sütterlin,M.
The association between diverse childhood experiences and peripheral pain experience
Pain 164 (2023)1759 – 74
doi.org/10.1097/j.pain.0000000000002870
- +Zehnder,S.W. Ward,C.V., Crow,A.J., Alander,D., Latimer,B.
radiographic assessment of lumbar facet distance spacing and pediatric spondylolisthesis
Spine 34 (2009)285 - 90
- +Zehr,J.D. Barret,J.M., Fewster,K.M., Laing,A.C., Callaghan,J.P.
Strain of the facet joint capsule and translation range-of-motion tests: an in vitro porcine model as a human surrogate
Spine J 20 (2020)475 - 87
- +Zehra,U. Flower,L., Robson-Brown,K., Adams,M.A., Dolan,P.
Defects of the vertebral end plate: implications for disc degeneration depend on size
Spine J 17 (2017)727 - 37
- +Zehra,U. Robson-Brown,K.,Adams,M.A., Dolan,P.
Porosity and thickness of the vertebral endplate depend on local mechanical loading
Spine 40 (2015)1173 - 80
- +Zeidan,F. Coghill,R.C.
Commentary: Functional connection between self-referential thought and chronic pain: a dysfunctional relationship
Pain 154 (2013)3 - 4

- +Zeidan,F. Lobanov,O.V., Kraft,R.A., Coghill,R.C.
Brain mechanisms supporting violated expectations of pain
Pain 156 (2015)1772 - 85
- Zeidan,F. Vago,D.R.
Mindfulness meditation-based pain relief. A mechanistic account
Ann N Y Acad Sci 1373 (2016)114 – 27
doi.org/10.1111/nyas.13153
- Zeidman,S.M. Long,D.M.
Failed back surgery syndrome
In: Menezes,A.H., Sonntag,V.K.H. (eds.): Principles of spinal surgery. New York, McGraw Hill health Professions Division: 1996, 657 – 9 (zit. Sabancuoglu et al., 2007)
- +Zeilhofer,H.U. The glycinergic control of spinal pain processing
Cell Mol Life Sci 62 (2005)2027 – 35
- +Zeilhofer,H.U. Etifoxime (Stresam) for chemotherapy-induced pain? (commentary)
Pain 2009
- +Zeilhofer,H.U. Neumann,E., Munro,G.
Spinal GABA_A receptors for pain control – lost in translation? (commentary)
Pain 159 (2018)1675 - 6
- +Zeilhofer,H.U. Schmelz,M.
Local anesthetics take a central role in analgesia (commentary)
Pain 156 (2015)1579 - 80
- +Zein-Hammoud,M. Standley,P.R.
Modeled osteopathic manipulative treatments: a review of their in vitro effects on fibroblast tissue preparations
J Am Osteop Assoc 115 (2015)490 - 502
- +Zeitz,K.P. Guy,N., Malmberg,A.B., Dirajlal,S., Martin,W.J., Sun,L., Bonhaus,D.W., Stucky,C.L., Julius,D., Basbaum,A.I.

- The 5-HT₃ subtype of serotonin receptor contributes to nociceptive processing via a novel subset of myelinated and unmyelinated nociceptors
J Neurosci 22 (2002)1010 – 9
- Zelenka,,M. Schafers,M., Sommer,C.
- Intraneural injection of interleukin-1 beta and tumor necrosis factor alpha into rat sciatic nerve at physiological doses induces signs of neuropathic pain
Pain 116 (2005)257 - 63
- +Zelle,B.A. Gruen,G.E., Brown,S., George,S.
- Sacroiliac joint dysfunction: Evaluation and management
Clin J Pain 21 (2005)446 - 55
- Zellhofer,H.U. Spinale GABA – A – Rezeptoren: Übeltäter oder doch eher analgetisch?
Schmerz 21 (2007)Suppl., 16
- +Zelman,D.C. Hoffman,D.L., Seifeldin,R., Dukes,E.M.
- Development of a metric for a day of manageable pain control: derivation of pain severity cut-points for low back pain and osteoarthritis
Pain 106 (2003)35 - 42
- Zemlan,F.P. Behbehani,M.M.
- Afferent projections to the nucleus cuneiformis in rat
Neurosci Lett 52 (1984)103 – 9 (zit. Haghparsat et al., 2007)
- Zemlan,F.P. Behbehani,M.M.
- Nucleus cuneiformis and pain modulation: anatomy and behavioral pharmacology
Brain Res 453 (1988)89 - 102 (zit. Haghparsat et al., 2007)
- +Zeng,Q. Wang,S., Lim,G., Yang,I., Mao,J., Sung,B., Chang,Y., Lim,J.A., Guo,G., Mao,J.
- Exacerbated mechanical allodynia in rats with depression-like behavior
Brain Res 1200 (2008)27 – 38

- Zenker,W. Anatomische Überlegungen zum Thema Nackenschmerz
Schweiz Rundsch Med 77 (1988)333 – 9 (so zit. Otte & Rasev, 2010)
- +Zenz,M. Wie lange dauert eine Langzeitanwendung?
Schmerz 34 (2020)438 - 42
- +Zenz,M. Strumpf,M., Tryba,M.
Long-term oral opioid therapy in patients with chronic non-malignant pain
J Pain Symptom Manage 7 (1992)69 – 77
- +Zenz,M. Rückenschmerz: Viele Fragen und immer noch zu wenig Antworten
Schmerz 21 (2007)199 – 201
- +Zerbini,C. Ozturk,Z.E., Grifka,J., Maini,M., Nilganuwong,S., Morales,R., Hupli,M., Shivaprakash,M., Giezek,H.,
Efficacy of etoricoxib 60 mg/day and diclofenac 150 mg/day in reduction of pain and disability in patients with chronic low back pain: results of a 4-week, multinational, randomized, double-blind study
Curr Med Res Opin 21 (2005)2037 – 49
- +Zhan,J.W. Wang,S.Q., Feng,M.S., Gao,J.H., Wei,X., Yu,J., Yin,X.L., Yin,H. und weitere 5 Autoren
Effects of axial compression and distraction on vascular bud and VEGFA expression in the vertebral endplate of an ex vivo rabbit spinal motion segment culture model
Spine 46 (2021)421 – 32
doi.org/10.1097/BRS.00000000000003816
- Zhang,B. Jung,M., Tu,Y., Gollub,R., Lang,C., Ortiz,A., Park,J., Wilson,G. und weitere 10 Autoren
Identifying brain regions associated with the neuropathology of chronic low back pain: a resting-state amplitude of low-frequency fluctuation study
Br J Anaesth 123 (2019)e303 – 11
doi.org/10.1016/j.bja.2019.02.021
- +Zhang,C. Xue,Y., Wang,P., Yang,Z., Dai,Q., Zhou,H.F.

- Foot drop caused by single-level disc protrusion between T10 and L1
Spine 38 (2013b)2295 - 2301
- +Zhang,G.F. Zhou,Z.Q., Guo,J., Su,M.Z., Yu,B.C., Zhou,F., Han,B.Y., Jia,M. und weiter 4 Autoren
Histone deacetylase 3 in hippocampus contributes to memory impairment after chronic constriction injury of the sciatic nerve in mice
Pain 162 (2021)382 – 95
doi.org/10.1097/j.pain.0000000000002056
- +Zhang,G.H. Min,S.S., Seol,G.H., Lee,K.S., Han,H., Kim,Y.I., Han,H.C.
Inhibition of the N-methyl-D-aspartate receptor unmasks the antinociception of endogenous opioids in the periphery
Pain 143 (2009)233 - 7
- +Zhang,H. Lin,C.Y.
Simvastatin stimulates chondrogenic phenotype of intervertebral disc cells partially through BMP-2 pathway
Spine 33 (2008)E525 - 31
- Zhang,H. Mei,X, Zhang,P., Ma,C., White,F.A., Donnelly,D.F., LaMotte,R.H.
Altered functional properties of satellite glia cells in compressed spinal ganglia
Glia 57 (2009c)1588 – 99 (zit. Ji et al., 2013)
- +Zhang,H. Xie,W., Xie,Y.
Spinal cord injury triggers sensitisation of wide dynamic range dorsal horn neurons in segments rostral to the injury
Brain Res 1055 (2005)103 – 10
- Zhang,H. Yang,S., Wang,I., et al.,
Time course investigation of intervertebral disc degeneration produced by needle-stab injury of the rat caudal spine. Laboratory investigation
J Neurosurg Spine 15 (2011)404 – 13 (zit Kepler et al. 2013)
- +Zhang,J.M. Li,H., Liu,B., Brull,S.R.

- Acute topical application of tumor necrosis factor alpha evokes protein kinase A-dependent responses in rat sensory neurons
- J Neurophysiol 88 (2002)1387 – 92
- +Zhang,J.Y. Gong,N., Huang,J.L.; Guo,L.C., Wang,Y.X.
- Gelsemine, a principal alkaloid from Gelsemium sempervirens Ait., exhibits potent and specific antinociception in chronic pain by acting at spinal alpha-3 glycine receptors
- Pain 154 (2013a)2452 - 62
- +Zhang,L. Berta,T., Xu,Z.Z., Liu,T., Yeon,J., Ji,R.R.
- TNF-alpha contributes to spinal cord synaptic plasticity and inflammatory pain: Distinct role of TNF receptor subtypes 1 and 2
- Pain 152 (2011)419 - 27
- Zhang,L. Caudle,Y, Wheeler,C., Zhou,Y., Yin,D.
- TGF-beta1/Smad2/3/Foxp3 signaling is required for chronic stress-induced immunosuppression
- J Neuroimmunol 314 (2018)30 – 41 (zit. Schleip & Bartsch, 2023)
- +Zhang,L. Hammond,D.
- Cellular basis for opioid potentiation in the rostral ventromedial medulla of rats with persistent inflammatory nociception
- Pain 149 (2010)107 - 16
- +Zhang,L. Niu,T., Yang,S.Y., Lu,Z.,Chen,B.
- The occurrence and regional distribution of DR4 on herniated disc cells: a potential apoptosis pathway in lumbar intervertebral discs
- Spine 33 (2008a)422 – 7
- Zhang,R. Chomistek,A.K., Dimitrakoff,I.D., Giovannucci,E.L.; Willet,W.C., Rosner,B.A., Wu,K.
- Physical activity and chronic prostatitis/chronic pelvic pain
- Med Sci Sports Exerc 47 (2015a)757 – 64 (zit. Frey Law & Sluka, 2017)

- +Zhang,R.-X. Li,A., Liu,B., Wang,I., Ren,K., Zhang,H., Berman,B.M., Lao,L.
IL-1ra alleviates inflammatory hyperalgesia through preventing phosphorylation of NMDA receptor NR-1 subunit in rats
Pain 135 (2008b)232 -9
- +Zhang,S. Jin,X., You,Z., Wang,S., Lim,G., Yang,Y., McCabe,M., Li,N., Marota,J., Chen,L., Mao,J.
Persistent nociception induces anxiety-like behaviour in rodents: role of endogenous neuropeptide S
Pain 155 (2014)1504 - 15
- +Zhang,X. Bao,L., Shi,T.J., Ju,G., Eldes,R., Hökfelt,T.
Down-regulation of mu-opioid receptors in rat and monkey dorsal root ganglion neurons and spinal cord after peripheral axotomy
Neurosci 82 (1998)223 – 40
- Zhang,X. Bean,A.J., Wiesenfeld-Hallin,Z., Xu,X.J., Hökfelt,T.
Ultrastructural studies on peptides in the dorsal horn of the rat spinal cord. III. Effects of peripheral axotomy with special reference to Galanin
Neurosci 64 (1995)893 – 915 (zit. Alier et al., 2008)
- +Zhang,X. Hartung,J.E., Gold,M.S.
Persistent ($\text{Na}_v1.9$) sodium currents in human dorsal root ganglion neurons
Pain 166 (2025)448 – 59
doi.org/10.1097/j.pain.0000000000003394
- +Zhang,X. Wenk,H.N., Gokin,A.P., Honda,C.N., Giesler jr., G.J.
Physiological studies of the spinothalamic tract neurons in the lumbar enlargements of monkeys
J Neurophysiol 82 (1999)1054 – 8
- +Zhang,X. Wu,J., Lei,Y., Fang,L., Willis,W.D.
Protein phosphatase modulates the phosphorylation of spinal cord NMDA receptors in rats following intradermal injection of capsaicin

- Mol Brain Res 138 (2005)264 – 72
- Zhang,X. Xu,Z.O., Shi,T.J., Landry,M., Holmberg,K., Ju,G., et al.
Regulation of expression of galanin and galanin receptors in dorsal root ganglia and spinal cord after axotomy and inflammation
Ann N Y Acad Sci 863 (1998)402 – 13 (zit. Alier et al., 2008)
- +Zhang,Y. An,H.S., Thonar,E.J.M.A., Chubinskaya,S., He,T.C., Philips,F.M.
Comparative effects of bone morphogenetic proteins and Sox9 overexpression on extracellular matrix metabolism of bovine nucleus pulposus cells
Spine 31 (2006)2173 - 9
- +Zhang,Y. Chen,J., Zhong,Z.M., Yang,D., Zhu,Q.
Is platelet-derived growth factor-BB expression proportional to fibrosis in the hypertrophied lumbar ligamentum flavum
Spine 35 (2010a)E1497 - 86
- +Zhang,Y. Drapeau,S., An,H.S., Thonar,E.J.M.A., Anderson,D.G.
Transplantation of goat bone marrow stromal cells to the degenerating intervertebral disc in a goat disc injury model
Spine 36 (2011a)372 - 7
- +Zhang,Y. Phillips,F.M., Thonar,E.J.M.A., Oegema,T., An,H.S., Roman-Blas,J.A., He,T.C., Anderson,G.
Cell therapy using articular chondrocytes overexpressing BMP-7 or BMP-10 in a rabbit disc organ culture model
Spine 33 (2008c)831 - 8
- +Zhang,Y. Tang,S., Chen,G., Liu,Y.
Chinese massage combined with core stability exercises for nonspecific low back pain: a randomized controlled trial
Complement Ther Med 23 (2015)1 - 6
- +Zhang,Y. Zhao,Y., Li,J., Wang,S., Liu,Y., Nie,L., Cheng,L.
Interleukin-9 promotes TNF-alpha and PGE₂ release in human degenerated intervertebral disc tissues
Spine 41 (2016)1631 - 40

Zhang,Y.	Zhao,S., Rodriguez,E., Takatoh,J., Han,B.X., Zhou,X., Wang,F. Identifying local and descending inputs for primary sensory neurons J Clin Invest 125 (2015b)3782-94 (zit. Sirucek et al., 2023)
+Zhang,Y.G.	Sun,Z., Zhang,Z., Liu,J., Guo,X. Risc factors for lumbar intervetebral disc herniation in Chinese population: a case-control study Spine 34 (2009b)E918 - 22
+Zhang,Y.Q.	Guo,N., Peng,G., Han,M., Raincrow,J., Chiu,C.H., Coolen,L.M., Wenthold,R.J., Zhao,Z.Q., Jing,N., Yu,L. Role of SIP30 in the development and maintenance of peripheral nerve injury-induced neuropathic pain Pain 146 (2009a)130 - 40
+Zhang,Z.	Cai,Y., Zou,F., Bie,B., Pan,Z.Z. Epigenetic suppression of GAD65 expression mediates persistent pain Nat Med 17 (2011b)1448 - 56
+Zhang,Z.J.	Cao,D.L., Zhang,X., Ji,R.R., Gao,Y.J. Chemokine contribution to neuropathic pain: respective induction of CXCL1 and CXCR2 in spinal astrocytes and neurons Pain 154 (2013)2185 - 97
+Zhao,C.Q.	Liu,D., Li,H., Jiang,L.S., Dai,L.Y. Interleukin-1 beta enhances the effect of serum deprivation on anular cell apoptosis Apoptosis 12 (2007)2155 – 61
+Zhao,C.Q.	Liu,D., Li,H., Jiang,L.S., Dai,L.Y. Expression of leptin and its functional receptor on disc cells: Contribution to cell proliferation Spine 33 (2008)E858 - 64
+Zhao,F.	Pollintine,P., Hole,B.D., Dolan,P., Adams,M.A. Discogenic origins of spinal instability

- Spine 30 (2005)2621 – 30
- +Zhao,F. Williams,M., Welsh,D.C., Meng,X., Ritter,A., Abbadie,C., Cook,J.J., Reicin,A.S., Hargreaves,R., Williams,D.S.
- fMRI investigations of the effect of local and systemic lidocaine on noxious electrical stimulation-induced activation in spinal cord
- Pain 145 (2009)110 – 9
- +Zhao,P. Barr,T.P., Hou,K., Dib-Hadj,S.D., Black,J.A., Albrecht,P.J., Petersen,K., Eisenberg,E., Wymer,J.P., Rice,F.L.,Waxman,S.C.
- Voltage-gated sodium channel expression in rat and human epidermal keratinocytes: evidence for a role in pain
- Pain 139 (2008a)90 - 105
- +Zhao,Q. Zhong,E., Shi,B., Li,Y., Sun,C., Ding,Z.
- The morphology and clinical significance of the intraforaminal ligaments at the L5 – S1 levels
- Spine J 16 (2016)1001 - 6
- +Zhao,W.P. Kawaguchi,Y., Matsui,H., Kanamori,M., Kimura,T.
- Histochemistry and morphology of the multifidus muscle in lumbar disc herniation: comparative study between diseased and normal sides
- Spine 25 (2000)2191 – 9
- Zhao,X. Xu,M., Jorgenson,K., Kong,J.
- Neurochemical changes in patients with chronic low back pain detected by proton magnetic resonance spectroscopy: a systemic review
- Neuroimage Clin 13 (2016a)33 – 8
doi.org/10.1016/j.nicl.2016.11.006
- +Zhao,Y. Yuan,B., Cheng,L., Zhou,S., Tang,Y., Zhang,Z., Sun,Y., Xu,Z., Li,F., Liao,X., Chen,X.
- Cyclic tensile stress to rat thoracolumbar ligamentum flavum inducing the ossification of ligamentum flavum. An in vivo experimental study
- Spine 46 (2021)1129 – 38
doi.org/10.1097/BRS.0000000000004087

- +Zheng,J. Lu,Y., Perl,E.R.
Inhibitory neurones of the spinal substantia gelatinosa mediate interactions from primary afferents
J Physiol 588 (2010)2065 – 75
- +Zheng,Z. Guo,R.J., Helme,R.D., Muir,A., da Costa,C., Xue,C.C.L.
The effect of electroacupuncture on opioid-like medication consumption by chronic pain patients: A pilot randomized controlled clinical trial
Eur J Pain 12 (2008)671 - 6
- +Zheng,N. Liu,X., Zhang,R., Ho,I., Chen,S., Xu,J., Yao,H., Wang,J., Yue,J., Wang,X., Qin,L.
Jingshu Keli attenuates cervical spinal nerve ligation-induced allodynia in rats through inhibition of spinal microglia and Stat3 activation
Spine J 18 (2018)2112 - 8
- +Zheng,Z. Wang,K., Yao,D., Xue,C.C.L., Arendt-Nielsen,L.
Adaptability to pain is associated with potency of local pain inhibition, but not conditioned pain modulation
Pain 155 (2014)968 - 76
- +Zhong,E. Zhao,Q., Shi,B., Zheng,X., Zhao,Q., Tan,J., Ding,Z., Huang,W.
Morphology and possible clinical significance of the radiating extraforaminal ligaments at the L1 – L5 levels
Spina 42 (2017) 1355 - 61
- +Zhong,W. Driscoll,S.J., Tsai,T.Y., Wang,S., Mao,H., Cha,T.D., Wood,K.B., Li,G.
In vivo dynamic changes of the dimension in the lumbar intervertebral foramen
Spine J 15 (2015)1653 - 9
- +Zhongyi,S. Sai,Z., Chao,L., Jiwei,T.
Effects of nuclear factor kappa-B signaling pathway in human intervertebral disc degeneration
Spine 40 (2015)224 - 32

- +Zhou,H. Hammonds,R.G.Jr., Findley,D.M., Martin,J., Ng,K.W.
Differential effects of transforming growth factor-beta 1 and bone morphogenetic protein 4 on gene expression and differentiated function of preosteoblasts
J Cell Physiol 155 (1993)112 – 19
- +Zhou,J. En,X., Hao,D., Zhang,B.
Outcome of fusion vs nonoperative care in degenerative lumbar scoliosis in relation to preoperative chronic pain pattern and disability: a registry study of 6796 patients
Proceedings of the 32nd annual meeting of the north american spine society, Orlando, Florida, October 25 – 28, 2017
Spine J 17 (2017) 10 Suppl.: S 69
- (+)Zhou,J. Li,T., Li,L., Xue,Y.
Clinical efficacy of calcitonin compared to diclofenac sodium in chronic nonspecific low back pain with type I Modic changes: a retrospective study
J Pain Res 11 (2018)1335 - 42
- +Zhou,J. Sutherland,M.L.
Glutamate transporter cluster formation in astrocytic processes regulates glutamate uptake activity
J Neurosci 24 (2004)6301 – 6
- +Zhou,L.J. Ren,W.J., Zhong,Y., Yang,T., Wei,X.H., Xin,W.J., Liu,C.C., Zhou,L.H., Li,Y.Y., Liu,X.G.
Limited BDNF contributes to failure of injury to skin afferents to produce a neuropathic pain condition
Pain 148 (2010)148 - 57
- +Zhou,S. Bonasera,L., Carlton,S.
Peripheral administration of NMDA, AMPA or KA results in pain behaviours in rats
Neuroreport 7 (1996)895 – 900
- +Zhou,Y.L. Abdi,S.

- Diagnosis and minimal invasive treatment of lumbar discogenic pain – a review of the literature
- Clin J Pain 22 (2006)468 - 81
- +Zhou,X.F. Rush,R.A.
- Endogenous brain-derived neurotrophic factor is anterogradely transported in primary sensory neurons
- Neurosci 74 (1996)945 – 53
- +Zhou,X.F. Deng,Y.S., Xian,C.J., Zhong,J.H.
- Neurotrophins from dorsal root ganglia trigger allodynia after spinal nerve injury in rats
- Eur J Neurosci 12 (2000)100 – 5
- +Zhou,Z. Peng,X., Hagshenas,J., Insolera,R., Fink,D.J., Mata,M.
- A novel cell-cell signaling by microglial transmembran TNF alpha with implications for neuropathic pain
- Pain 151 (2010a)296 - 306
- Zhou,Z.S. Zhao,Z.Q.
- Ketamine blockage of both tetrodotoxin (TTX-) sensitive and TTX-resistant sodium channels of rat dorsal root ganglion neurons
- Brain Res Bull 52 (2000)427 – 33 (zit. Smith & Lindsay, 2007)
- +Zhu,C.Z. Wilson,S.G., Mikusa,J.P., Wismer,C.T., Gauvin,D.M., Lynch 3rd J.J., Wade,C.L., Decker,M.W., Honore,P.
- Assessing the role of metabotropic glutamate receptor 5 in multiple nociceptive modalities
- Eur J Pharmacol 506 (2004)107 – 18
- +Zhu,J.J. Qin,Y., Zhao,M., van Aeist,L., Malinow,R.
- Ras and Rap control AMPA receptor trafficking during synaptic plasticity
- Cell 110 (2002)443 – 55
- +Zhu,M. Dong,D., Lo,H.H.M., Wong,S.Y.S., Mo,P.K.H., Sit,R.W.S.

- Patient references in the treatment of chronic musculoskeletal pain: a systematic review of discrete choice experiments
- Pain 164 (2023)675 – 89
doi.org/10.1097/j.pain.0000000000002775
- +Zhu,Y. Wu,J.J., Weis,M.A., Mirza,S.K., Eyre,D.R.
- Type IX collagen neo-deposition in degenerative discs of surgical patients wheter genotyped plus or minus for COL9 risk alleles
- Spine 36 (2011)2031 - 8
- +Zhu,X.Z. Parnianpour,M., Nordin,M, Kahanovitz,N.
- Histochemistry and morphology of erector spinae muscle in lumbar disc herniation
- Spine 14 (1989)391 – 7
- +Zhuo,M. Potentiation of cortical excitatory transmission in chronic pain
- Pain 159 (2018)212 - 3
- +Zhuo,M. Plasticity of NMDA receptor NR2B subunit in memory and chronic pain
- Mol Brain 2 (2009)4
- +Zhuo,M. Gebhart,G.F.
- Biphasic modulation of spinal nociceptive transmission from the medullary raphe nuclei in the rat
- J Neurophysiol 78 (1997)746 – 58
- +Ziegler,E.A. Magerl,W., Meyer,R.A., Treede,R.D.
- Secondary hyperalgesia to punctate mechanical stimuli: Central sensitisation to A-fiber nociceptor input
- Brain 122 (1999)2245 – 57
- Zieglgänsberger,W. Modulation durch Interneurone: Physiologie und Pathophysiologie
- Abstract 18. Deutscher Interdisziplinärer Schmerzkongress, 15.-17. März 2007, Frankfurt/M., S. 23

Zieglgänsberger,W.	„Re-Learning“ – Die Lösung und das Überschreiben beim Schmerz Schmerz 21 (2007)Suppl., 12
Zieglgänsberger,W.	Die Bedeutung unbemerkter niederfrequenter Aktivität für Sensibilisierungsprozesse im ZNS Schmerz 21 (2007)Suppl., 16
+Zieglgänsberger,W.	Berthele,A., Tölle,T,R, Understanding neuropathic pain CNS Spectrums 10 (2005)298 – 308
+Zieglgänsberger,W.	Casser,H., Ertl-Wagner,B., Mense,S., Müller-Ehrenberg,H. Myofaszielles Schmerzsyndrom – aktueller Stand Schmerz 26 (2012)Suppl.1: 45 - 6
+Zigmond,A.S.	Snaith,P. The Hospital Anxiety and Depression Scale Acta Psych Scand 67 (1983)361 – 70
+Zille de Queiroz,B.	Pereira,D.S., Lopes,R.A., Felicio,D.C., Silva,J.P :, de Britto Rosa,N.M., Dias,J.M.S., Dias,R.C., Lustosa,L.P., Pereira,L.S.M. Association between the plasma levels of mediators of inflammation with pain and disability in the elderly with acute low back pain: Data from the Back Complaints in the Elders (BACE) – brasil study Spine 41 (2016)197 - 203
--Zimmermann,M.	Der chronische Schmerz – Epidemiologie und Versorgung in Deutschland Orthopäde 33 (2004)508 - 14
+Zimmermann-Stenzel,S.	Mannuß,J., Schneider,S., Schiltenswolf,M. Tabakkonsum und chronische Rückenschmerzen: Analyse des telefonischen Gesundheitssurveys 2003 Dt. Ärztebl 105 (2008)441 – 8
+Zinecker,S.	Die Dorn – Methode Manuelle Med 47 (2009)304 - 9

+Zink,G.

Lawson, W.B.

An osteopathic structural examination and functional interpretation of the soma

Osteopath Ann 7 (1971)12: 12 – 19

+Zirbel,S.A.

Stolworthy,D.K., Howell,L.L., Bowden,A.E.

Intervertebral disc degeneration alters lumbar spine segmental stiffness in all modes of loading under a compressive follower load

Spine J 13 (2013)1134 - 7

Zlatkova, K.

Zlatkov, Y.

Exercises on a balance cushion to influence of lumbar vertebral syndrome

F1000research (2023)

doi.org/10.12688/f1000research.131921.1

+Zoabli,G.

Mathieu, P.A., Aubin, C.-E.

Back muscles biometry in adolescent idiopathic scoliosis

Spine J 7 (2007)338 – 44

+Zobel,B.B.

Vadala,G., del Vescovo,R., Battisti,S., Martina,F.M., Stellato,L,
Leoncini,E., Borthakur,A., Denaro,V.

T1-magnetic resonance imaging quantification of early lumbar intervertebral disc degeneration in healthy young adults

Spine 37 (2012)1224 - 30

+Zou,J.

Yang,H., Miyazaki,M., Morishita,Y., Wei,F., McGovern,S.,
Wang,J.C.

Dynamic bulging of intervertebral disc in the degenerative lumbar spine

Spine 34 (2009)2545 - 50

+Zou,J.

Zhu,X., Yang,H.

Therapeutic effects of FK506 on prevent intervertebral disc degeneration through suppression of IL-2

Proceedings of the 28th annual meeting of the North America Spine Society, New Orleans, Louisiana, October 9 – 12, 2013;

Spine J 13 (2013) Suppl 9S:50S

+Zou,X.

Lin,Q., Willis,W.D.

Enhanced phosphorylation of NMDA receptor 1 subunits in spinal cord dorsal horn and spinothalamic tract neurons after intradermal injection of capsaicin in rats

J Neurosci 20 (2000)6989 – 97

+Zou,X.

Lin,Q., Willis,W.D.

Role of protein kinase A in phosphorylation of NMDA receptor 1 subunits in dorsal horn and spinothalamic tract neurons after intradermal injection of capsaicin in rats

Neuroscience 115 (2002)775 – 86

+Zubenko,G.S.

Maher,B., Hughes,H.B., Zubenko,W.N., Stiffler,J.S., Kaplan,B.B., Marazita,M.L.

Genome-wide linkage survey for genetic loci that influence the development of depressive disorder in families with recurrent, early-onset, major depression

Am J Med Genet B 123 (2003)1 – 18

Zubieta,J.K.

Heitzeg,M.M., Smith,Y.R., Bueller,J.A., Xu,K., Xu,Y., et al.

COMT val157met genotype affects mu-opioid neurotransmitter responses to a pain stressor

Science 299 (2003)1240 – 3

Zung,W.

Depression in normal aged

Psychosomatics 7 (1967)287 – 92 (zit. De Vlieger et al., 2006)

+Zuo,Y.

Perkins,N.M., Tracey,D.J., Geczy,C.L.

Inflammation and hyperalgesia induced by nerve injury in the rat: a key role of mast cells

Pain 105 (2003)467 – 479

+Zunhammer,M.

Schweizer,L.M., Witte,V., Harris,R.E., Binger,U., Schmidt-Wicke,T.

Combined glutamate and glutamine levels in pain-processing brain regions are associated with individual pain sensitivity

Pain 157 (2016)2248 - 56

- +Zusman,M. Edwards,B.C., Donaghy,A.
Investigation of a proposed mechanism for the relief of spinal pain with passive joint movement
J Man Med 4 (1989)58 – 61
- Zusman,M. Spinal manipulative therapy: review of some proposed mechanisms, and a new hypothesis
Aust J Physiother 32 (1986)89 – 99 (zit Suter et al., 2005)
- Zwack,L. Ein Klassiker: Der aussagewert von Anamnese und klinischer Untersuchung beim SIG – Schmerz
Man. Med 43 (2005)356 - 8
- +Zwambag,D.P. Hurtig,M.B., Vernon,H., Brown,S.H.M.
Investigation of the passive mechanical properties of spine muscles following disruption of the thoracolumbar fascia and erector spinae aponeurosis, as well as facet injury in a rat
Spine J 18 (2018)682 - 90
- +Zwingenberger,V. Historische betrachtung zur Annahme der dominierenden manualtherapeutischen Schlüsselregionen
Manuelle Med 59 (2021)81 – 6 doi.org/10.1007/s00337-021-00775-w
- +Zylbergold,R.S. Piper,M.C.
Lumbar disc disease: comparative analysis of physical therapy treatments
Arch Phys Med Rehabil 62 (1981)176 – 9