

Erweiterte Therapieoptionen

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Background Rückenschmerzen

Kosten Rückenschmerzen CH

Ca. 3 Millionen Arztkonsultationen pro Jahr

Totalkosten Rückenschmerzen: 11.0 Mrd

Indirekte Kosten (Arbeitsausfall, IV): 7 Mrd

(Interpharma, 2013)

H. Luomajoki Rückenschmerzen

THE LANCET

Low back pain 1

What low back pain is and why we need to pay attention

Jan Hartvigsen*, Mark J Hancock*, Alice Kongsted, Quinette Lauw. Manuela L Ferreira, Stéphane Genevay, Damian Hoy, Jaro Karj Glenn Pransky, Josehim Sieper, Rob J Smeets, Martin Underwood, on behalf of the Lancet Low Back Pain Series Working Group

Low back pain 2

Prevention and treatment of low back pain: evidence, challenges, and promising directions

Wilco Peul, Judith A Turner, Chris G Maher, on behalf of the Lancet Low Back Pain Series Working Group

Low back pain: a call for action

Rachelle Buchbinder, Maurits van Tulder, Birgitta Oberg, Luciala Menezes Costa, Anthony Woolf, Mark Schoene, Peter Croft, on behalf of the Lancet Low Back Pain Series Working Group

Entmystifizieren

Kein Unterschied zwischen Gesunden und Patienten!

Systematic Literature Review of Imaging Features of Spinal Degeneration in Asymptomatic Populations

W. Brinjikji, P.H. Luetmer, B. Comstock, B.W. Bresnahan, L.E. Chen, R.A. Deyo, S. Halabi, J.A. Tumer, A.L. Avins, K. James, J.T. Wald,
D.F. Kallmes, and J.G. Jarvik.

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Imaging Finding	Age (yr)						
	20	30	40	50	60	70	80
Disk degeneration	37%	52%	6800	2008	88%	93%	96%
Disk signal loss	UN	33%	54%	73%	86%	94%	97%
Disk height loss	24%	3.4%	4520	56%	67%	7.6%	84%
Disk bulge	3006	40%	50%	6004	69%	77%	84%
Diak protrusion	29%	37%	33%	36%	38%	4006	4330
Annular hissure	1934	2086	22%	2356	25%	27%	29%
Facet digeneration	426	9%	18%	3024	50%	6990	8320
Spondylolisthesis	3%	53%	8%	14%	2.3%	35%	5000

Providince rates estimated with a reneralized linear mixed effects model for the age-specific prevalence estimate (binomial outcome) clustering on study and adjust-ing for the indiposit of each imported age internal of the study.





Annals of Internal Medicine

Original Research

Surgery Versus Nonsurgical Treatment of Lumbar Spinal Stenosis

Anthony Delitto, PT, PhD; Sara R. Piva, PT, PhD; Charity G. Moore, PhD, MSPH; Julie M. Fritz, PT, PhD; Stephen R. Wisniewski, PhD; Deborah A. Josbeno, PT, PhD; Mark Pye, MD; and William C. Welch, MD

Background: Primary care management decisions for patients with symptomatic lumbar spinal stenosis (LSS) are challenging, and nonsurgical guidance is limited by lack of evidence.

Objective: To compare surgical decompression with physical therapy (PT) for LSS and evaluate sex differences.

Design: Multisite randomized, controlled trial. (ClinicalTriels.gov: NCT00022776)

Setting: Neurologic and orthopedic surgery departments and PT clinica.

PT clinics.

Participants: Surgical candidates with LSS aged 50 years or older who consented to surgery.

Intervention: Surgical decompression or PT.

Measurements: Primary outcome was physical function score on the Short Form-36 Health Survey at 2 years assessed by masked testers.

Results: The study took place from November 2000 to September 2007. A total of [169 participants] were randomly assigned and stratified by surgeon and sex (87 to surgery and 82 to PT), with 24-month follow-up completed by 74 and 73 participants in

the surgey and TT groups, respectively, Mean improvement in implical function for this surgerior of 17 groups was 22.4 (1935). CI, 16.9 to 27.9 and 19.2 (1913.4 groups was 22.4 (1935). CI, 16.9 to 27.9 and 19.2 (1913.4 groups was 22.4 (1935). CI, 16.9 to 27.9 and 19.2 (1913.4 groups was 22.4 (1935). CI, 16.9 to 27.9 to 27.0 to 27.0

Limitation: Without a control group, it is not possible to judge

Conclusion: Surgical decompression yielded similar effects to a FT regimen among patients with LSS who were surgical candidates. Patients and health care providers should engage in shared decision-making conversations that include full disclosure of evidence involving surgical and nonsurgical treatments for LSS.

Primary Funding Source: National Institutes of Health and National Institute of Arthritis and Musculoskeletal and Skin Diseases.

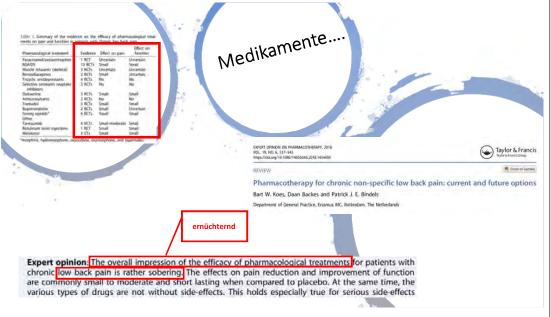
Ann Intern Med. 2015;162:465-473, doi:10.7326/M14-1420 www.annals.org
For author affiliations, see end of text.



www.thelancet.com July, 2014

Efficacy of paracetamol for acute low-back pain: a double-blind, randomised controlled trial Christopher M Williams. Christopher G Maher. Jane Latimer. Andrew J McLachlan. Mark J Medikamente

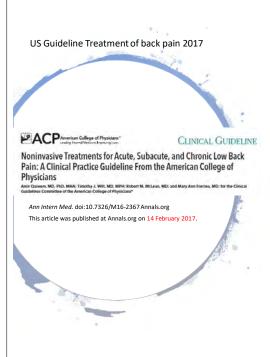
- n= ca. 1500 Patients
- Three groups: Paracetamol 4 g / day; like needed up tp 4 g / d, Placebo
- In all groups, after 17 days approximately, pain was gone
- No differences between groups....





Lyrica & Co... also clear evidence of ... no effectivity....

- Results: Nine trials compared topiramate, gabapentin or pregabalin to placebo in 859 unique participants.
- Fourteen of 15 comparisons found anticonvulsants were not
 effective to reduce pain or disability in low back pain or lumbar
 radicular pain; for example, there was high-quality evidence of no
 effect of gabapentinoids versus placebo on chronic low back pain in
 the short term (pooled mean difference [MD] -0.0, 95% confidence
 interval [CI] -0.8 to 0.7) or for lumbar radicular pain in the immediate
 term (pooled MD -0.1, 95% CI -0.7 to 0.5). The lack of efficacy is
 accompanied by increased risk of adverse events from use of
 gabapentinoids, for which the level of evidence is high.



- Recommendation 1: ...most patients with acute or subacute low back pain improve over time regardless of treatment, clinicians and patients should select nonpharmacologic treatment with superficial heat (moderatequality evidence), massage, acupuncture, or spinal manipulation (low-quality
- Recommendation 2:chronic low back pain, clinicians and patients multidisciplinary rehabilitation, acupuncture, mindfulness-based stress reduction (moderate-quality evidence), tai chi, yoga, motor control exercise, progressive relaxation, electromyography biofeedback, low-level laser therapy, operant therapy, cognitive behavioral therapy, or spinal tion (low-quality evidence). (Grade: strong recommendation)
- Recommendation 3: In patients with chronic low back pain who have had an inadequate response to nonpharmacologic therapy, clinicians and patients should consider pharmacologic treatment with ponsteroidal antiinflammatory drugs as first-line therapy, or tramadol or duloxetine as secondline therapy. Clinicians should only consider opioids as an option in patients who have failed the aforementioned treatments and only if the potential benefits outweigh known risks and realistic benefits with patients. (Grade: weak recommendation, moderate-quality evidence)
- Low cost treatments should be preferred!



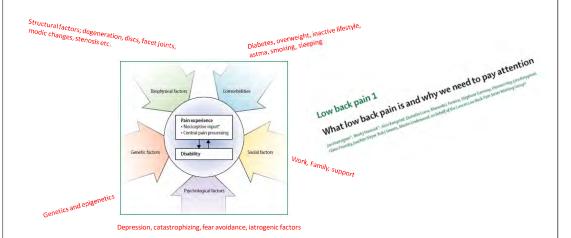


The Lancet series on low back pain: reflections and clinical implications

Kieran O'Sullivan, 1,2 Peter B O'Sullivan, 3,4 Mary O'Keeffe⁵

Br J Sports Med April 2019 Vol 53 No 7

- •Low back pain (LBP) is a major global challenge, and back-related disability is
- •The majority of LBP is not serious and cannot be linked to a specific structure.
- •Most red flags have limited diagnostic accuracy.
- •Imaging use is often inappropriate for non-specific LBP.
- •Non-pharmacological treatments such as advice and activity should be first-line options in the treatment of non-specific LBP.
- •Opioids have small effects, but have substantial risks.
- •Psychosocial factors are important contributors to LBP and associated disability.
- •A systems approach to LBP involving clinical pathway redesign, changes to payment
- systems and legislation, and integrated health and workplace strategies is needed.
- •Advocate the concept of positive health for LBP—the ability to adapt and to self-
- manage in the face of social, physical and emotional challenges. •Need to change widespread misconceptions about the causes, prognosis and
- effectiveness of different treatments for LBP.



Stratification

Red Flags

Yellow flags

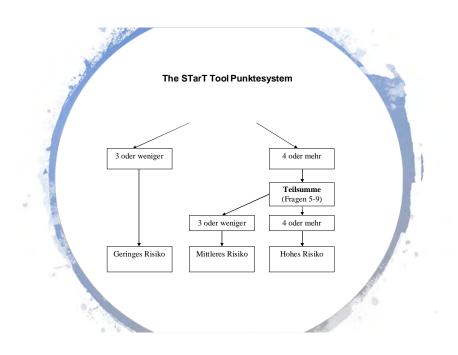
Level of Disability

Disability questionnaires - ODI / RMQ

Risk factors for chronicity

Örebro short version

Start back tool



ACP American College of Physicians*

CLINICAL GUIDELINE

Noninvasive Treatments for Acute, Subacute, and Chronic Low Back Pain: A Clinical Practice Guideline From the American College of

Ann Intern Med. February 2017

.....Low cost treatments should be preferred....!

Erweiterte Therapieoptionen Options thérapeutiques élargies

Einführung, Evidenz und klinische Einordnung Hannu Luomajoki

«Wie viel Diagnostik braucht die Therapie?» McKenzie Konzept - Klinische Subgruppen anstatt Strukturdiagnostik

10:50

Spiraldynamik Martin Pielok

«Manuelle Medizin und die Feldenkrais-Methode – Kongruenzen – Differenzen»

Der gesunde Rücken als Spiegelbild eines gesunden Lebens mit Pilates Pilates in der Therapie: Grundlagen und Anwendungen Alexander Bohlander

Présidence: Hannu Luomajoki

10:20

Introduction, preuves et classification clinique

«Sur quel niveau de diagnostic doit se fonder le traitement?» Le concept de McKenzie – des sous-groupes cliniques plutôt qu'un diagnostic structurel

I 10:50 Méthode Spiraldynamik Martin Pielok

«La médecine manuelle et la méthode Feldenkrais – congruences – différences

Une vie saine pour un dos en bonne santé avec le Pilates L'intérêt du Pilates dans le traitement bases et applications