

Musculoskeletal disorders – 2014 Literature

Task 1: General and specific principles of physiotherapy rehabilitation in musculoskeletal disorders

Book

Kisner C, Colby LA. Therapeutic Exercise. Foundations and Techniques. F.A. Davis Company. 6 ed. 2012. ISBN: 9780803615847

Articles

Andres BM, Murrell GA. Treatment of tendinopathy: what works, what does not, and what is on the horizon. Clin Orthop Rel Res 2008; 466(7): 539-54.

http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=18446422

Dunning JR, Cleland JA, Waldrop MA, Arnot CF, Young IA, Turner M, Sigurdsson G. Upper Cervical and Upper Thoracic Thrust Manipulation Versus Nonthrust Mobilization in Patients With Mechanical Neck Pain: A Multicenter Randomized Clinical Trial J Orthop Sports Phys Ther. 2012 Jan;42(1):5-18. doi: 10.2519/jospt.2012.3894.

http://www.jospt.org/doi/abs/10.2519/jospt.2012.3894?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Facci LM, Nowotny JP, Tormem F, Trevisani VF. Effects of transcutaneous electrical nerve stimulation (TENS) and interferential currents (IFC) in patients with nonspecific chronic low back pain: randomized clinical trial. Sao Paulo Med J. 2011;129(4):206-16. PMID: 21971895
http://pva.uib.no/login?url=http://www.scielo.br/scielo.php?script=sci_arttext&pid=S1516-31802011000400003&lng=en&nrm=iso&tlang=en

Garber CE, Blissmer B, Deschenes MR, Franklin BA, Lamonte MJ, Lee IM, et al. American College of Sports Medicine position stand. Quantity and quality of exercise for developing and maintaining cardiorespiratory, musculoskeletal, and neuromotor fitness in apparently healthy adults: guidance for prescribing exercise. Med Sci Sports Exerc 2011 Jul; 43(7): 1334-59. <http://journals.lww.com/acsm-msse/pages/articleviewer.aspx?year=2011&issue=07000&article=00026&type=abstract>

Häuser W, Klose P, Langhorst J, Moradi B, Steinbach M, Schiltenwolf M, Busch A. Efficacy of different types of aerobic exercise in fibromyalgia syndrome: a systematic review and meta-analysis of randomised controlled trials. Arthritis Res Ther. 2010;12(3):R79.
http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=20459730

Howe TE, Shea B, Dawson LJ, Downie F, Murray A, Ross C et al. Exercise for preventing and treating osteoporosis in postmenopausal women. Cochrane Database Syst Rev 2011;(7):CD000333.
<http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD000333.pub2/abstract>

Jamtvedt G, Herbert RD, Flottorp S, Odgaard-Jensen J, Håværsrud K, Barratt A, Mathieu E, Burls A, Oxman AD. A pragmatic randomised trial of stretching before and after physical activity to prevent injury and soreness. Br J Sports Med. 2010 Nov;44(14):1002-9. Epub 2009 Jun 11. Erratum in: Br J Sports Med. 2012 Jul;46(9):688.

<http://pva.uib.no/login?url=http://bjsm.bmjjournals.com/content/44/14/1002.full.pdf>

13th November 2013

Jamtvedt G, Dahm KY, Christie A, Moe RH, Haavardsholm E, Holm I et al. Physical therapy interventions for patients with osteoarthritis of the knee: an overview of systematic reviews. Phys Ther. 2008;88(1):123-36. <http://pva.uib.no/login?url=http://ptjournal.apta.org/content/88/1/123.full.pdf>

Lederman E. The myth of core stability. J Bodyw Mov Ther 2010 Jan; 14(1): 84- 98.
<http://pva.uib.no/login?url=http://www.sciencedirect.com/science/article/pii/S136085920900093X>

Stergioulas A, Stergioula M, Aarskog R, Lopes-Martins RA, Bjordal JM. Effects of low-level laser therapy and eccentric exercises in the treatment of recreational athletes with chronic achilles tendinopathy. Am J Sports Med. 2008 May;36(5):881-7. http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=pmid:18272794

Umpierre D, Ribeiro PA, Kramer CK, Leitao CB, Zucatti AT, Azevedo MJ et al. Physical activity advice only or structured exercise training and association with HbA1c levels in type 2 diabetes: a systematic review and meta-analysis. JAMA 2011; 305(17):1790-1799.
<http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/pubmed/21540423>

Task 2: Rehabilitation and prevention of musculoskeletal disorders

BOOKS

Basic literature:

Waddell G. The back pain revolution. Second edition. Churchill Livingstone, Edinburgh, 2004.

OR

Main CJ, Sullivan MJL, Watson PJ. Pain management. Practical applications of the biopsychosocial perspective in clinical and occupational settings. Second edition. Churchill Livingstone, Edinburgh, 2008. ISBN: 97804443100697

ARTICLES

Prevalence, prognosis, terminology

Bergman S, Herrström P, Höglström K, Petersson IF, Svensson B, Jacobsson LT. Chronic musculoskeletal pain, prevalence rates, and sociodemographic associations in a Swedish population study. J Rheumatol. 2001 Jun;28(6):1369-77. <http://www.ncbi.nlm.nih.gov/pubmed/11409133>

Gjesdal,S.; Bratberg,E.; Maeland,J.G. Musculoskeletal impairments in the Norwegian working population: the prognostic role of diagnoses and socioeconomic status: a prospective study of sickness absence and transition to disability pension. Spine 2009; 34:1519-25.

http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=pmid:19525845

Hogg-Johnson S, van der Velde G, Carroll LJ, Holm LW, Cassidy JD, Guzman J et al. The burden and determinants of neck pain in the general population: results of the Bone and Joint Decade 2000-2010 Task Force on Neck Pain and Its Associated Disorders. J Manipulative Physiol Ther. 2009 Feb;32(2 Suppl):S46-60.

http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=pmid:19251074

13th November 2013

Larsson B, Bjork J, Borsbo B, Gerdle B: A systematic review of risk factors associated with transitioning from regional musculoskeletal pain to chronic widespread pain. Eur J Pain 2012; 16: 1084-1093.

<http://onlinelibrary.wiley.com/doi/10.1002/j.1532-2149.2012.00117.x/pdf>

Lindell O, Johansson S, Strenger L. Predictors of stable return-to-work in non-acute, non-specific spinal pain: low total prior sick-listing, high self prediction and young age. A two-year prospective cohort study. BMC Fam Pract. 2010;11:53.

<http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/pubmed/20646286>

Mikkelsen M, El-Metwally A, Kautainen H, Auvinen A, Macfarlane GJ, Salminen JJ. Onset, prognosis and risk factors for widespread pain in schoolchildren: A prospective 4-year follow-up study. Pain 2008;138:681-7.

http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=pmid:18701216

Vos T, Flaxman AD, Naghavi M, Lozano R, Michaud C, Ezzati M, et al. Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. Lancet 2012;380:2163-96.

[http://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(12\)61729-2/fulltext](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(12)61729-2/fulltext)

Health and disease

Leeuw M, Goossens MEJB, Linton SJ, Crombez G, Boersma K, Vlaeyen JWS. The fear-avoidance model of musculoskeletal pain: current state of scientific evidence. J Behav Med 2007;30:77-94.

<http://pva.uib.no/login?url=http://www.springerlink.com/content/374150v7n15x1138/fulltext.pdf>

Perl ER. Pain mechanisms: a commentary on concepts and issues. Prog Neurobiol. 2011;94(1):20-38.
<http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3138063/pdf/nihms-289380.pdf>

Sviland, R., M. Raheim, and K. Martinsen. Touched in sensation - moved by respiration: Embodied narrative identity - a treatment process. Scand J Caring Sci, 2012. 26(4): p. 811-9.
<http://pva.uib.no/login?url=http://onlinelibrary.wiley.com/doi/10.1111/j.1471-6712.2012.01024.x/pdf>

Thesen J. From oppression towards empowerment in clinical practice - offering doctors a model for reflection. Scand J Public Health 2005; 33 (Suppl):47-52.

http://pva.uib.no/login?url=http://sjp.sagepub.com/content/33/66_suppl/47.full.pdf+html

Rehabilitation, treatment

Breitve MH, Hynninen MJ, Kvåle A. The effect of psychomotor physical therapy on subjective health complaints and psychological symptoms. Physiother Res Int. 2010;15(4):212-21. doi: 10.1002/pri.462.
<http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/pubmed?term=Kv%C3%A5le%202010%20and%20Breitve>

Fersum KV, O'Sullivan P, Skouen JS, Smith A, Kvåle A. Efficacy of classification-based cognitive functional therapy in patients with non-specific chronic low back pain: A randomized controlled trial. Eur J Pain. 2013; 17(6): 916–928. doi: 10.1002/j.1532-2149.2012.00252.x
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3796866/>

Fersum KV, Dankaerts W, O'Sullivan PB, Maes J, Skouen JS, Bjordal JM et al. Integration of subclassification strategies in randomised controlled clinical trials evaluating manual therapy

13th November 2013

treatment and exercise therapy for non-specific chronic low back pain: a systematic review. Br J Sports Med 2010; 44: 1054-62.

http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=pmid:19996331

Gallagher L, McAuley J, Moseley GL: A Randomized-controlled Trial of Using a Book of Metaphors to Reconceptualize Pain and Decrease Catastrophizing in People With Chronic Pain. Clin J Pain 2012.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=Gallagher+L%2C+McAuley+J%2C+Moseley+GL%3A+A+Randomized-controlled+Trial+of+Using+a+Book+of+Metaphors+to+Reconceptualize+Pain+and+Decrease+Catastrophizing+in+People+With+Chronic+Pain.+Clin+J+Pain+2012.>

Lings S: Antibiotics for low back pain? Eur Spine J 2013.

<http://link.springer.com/article/10.1007/s00586-013-2977-0>

O'Sullivan P. It's time for change with the management of non-specific chronic low back pain. Br J Sports Med 2011; doi:10.1136/bjsm.2010.081638

<http://pva.uib.no/login?url=http://bjsm.bmj.com/content/early/2011/08/04/bjsm.2010.081638.full.pdf+html>

Skouen JS, Kvåle A. Different outcomes in subgroups of patients with long-term musculoskeletal pain. Norsk Epidemiologi 2006;16(2):127-35.

<http://pva.uib.no/login?url=http://www.ntnu.no/ojs/index.php/norepid/article/view/195/o>

van Middelkoop M, Rubinstein SM, Kuijpers T, Verhagen AP, Ostelo R, Koes BW et al. A systematic review on the effectiveness of physical and rehabilitation interventions for chronic non-specific low back pain. Eur Spine J 2011;20(1):19-39.

<http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/pubmed/20640863>

Vowles KE, McCracken LM, Eccleston C. Process of change in treatment for chronic pain: The contributions of pain, acceptance, and catastrophizing. Eur J Pain 2007;11:779-87.

<http://onlinelibrary.wiley.com/doi/10.1016/j.ejpain.2006.12.007/abstract>

Øien AM, Råheim M, Iversen S, Steihaug S. Self-perception as embodied knowledge - changing processes for patients with chronic pain. Advances in Physiotherapy 2009;11:121-129.

<http://pva.uib.no/login?url=http://informahealthcare.com/doi/abs/10.1080/14038190802315073>

Lærum E, Brox JI, Storheim K (red). Nasjonale kliniske retningslinjer. Korsryggsmerter – med og uten nerverotsaffeksjon, 2007 http://www.formi.no/images/uploads/pdf/Formi_nett.pdf (Norwegian guidelines)

http://pva.uib.no/login?url=http://www.backpaineurope.org/web/files/WG1_Guidelines.pdf

http://www.backpaineurope.org/web/files/WG2_Guidelines.pdf

(European guidelines)

Prevention

Driessens MT, Proper KI, et al. The effectiveness of physical and organisational ergonomic interventions on low back pain and neck pain: a systematic review. Occup Environ Med 2010 ;67(4): 277-285.

http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=20360197

13th November 2013

Mody GM, Brooks PM. Improving musculoskeletal health: global issues. Best Pract Res Clin Rheumatol. 2012 Apr;26(2):237-49. doi: 10.1016/j.bepr.2012.03.002.
<http://www.ncbi.nlm.nih.gov/pubmed/22794096>

Health economy, work and sickness absence

Jablonska B, Soares JJF, Sundin Ö. Pain among women: Associations with socio-economic and work conditions. Eur J Pain 2006;10:435-47.
<http://onlinelibrary.wiley.com/doi/10.1016/j.ejpain.2005.06.003/abstract>

Kapoor A, Shaw WS, Pransky G, Patterson W. Initial patient and clinician expectations of return to work after acute onset of work-related low back pain. J Occup Environ Med 2006;48(11):1173-80.
http://pva.uib.no/login?url=http://x-port-sfx.uio.no/sfx_ubb?sid=Entrez:PubMed&id=pmid:17099454

Task 3: Oral presentation and written summary of a scientific article

Checklist:

CONSORT 2010 Statement: updated guidelines for reporting parallel group randomised trials
<http://pva.uib.no/login?url=http://www.biomedcentral.com/content/pdf/1741-7015-8-18.pdf>

Articles:

Bergstrom, C., et al., Effectiveness of different interventions using a psychosocial subgroup assignment in chronic neck and back pain patients: a 10-year follow-up. Disabil Rehabil, 2012; 34(2):110-118.
<http://pva.uib.no/login?url=http://informahealthcare.com/doi/pdfplus/10.3109/09638288.2011.607218>

Ersek M, Turner JA, Caln KC, Kemp CA. Results of a randomized controlled trial to examine the efficacy of a chronic pain self-management group for older adults [ISRCTN11899548]. Pain 2008;138(1): 29-40.
http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=18086516

Henchoz, Y., et al., Functional multidisciplinary rehabilitation versus outpatient physiotherapy for non specific low back pain: randomized controlled trial. Swiss Med Wkly, 2010; 140: p. w13133.
http://pva.uib.no/login?url=http://www.smw.ch/scripts/stream_pdf.php?doi=smw-2010-13133

Hill JC, Whitehurst DGT, Lewis M, Bryan S, Dunn KM, Foster NE et al. Comparison of stratified primary care management for low back pain with current best practice (STarT Back): a randomised controlled trial. Lancet 2011; doi:10.1016/S0140-6736(11)60937-9
<http://www.sciencedirect.com/science/article/pii/S0140673611609379>

Mei-Hwa Jan, Jiu-Jeng Lin, Jiann-Jong Liau, Yeong-Fwu Lin and Da-Hon Lin. Investigation of Clinical Effects of High- and Low-Resistance Training for Patients With Knee Osteoarthritis: A Randomized Controlled Trial. PHYS THER. 2008; 88:427-436.
<http://ptjournal.apta.org/content/88/4/427>

Stuge B, Veierod MB, Laerum E, Vøllestad N. The efficacy of a treatment program focusing on specific stabilizing exercises for pelvic girdle pain after pregnancy: a two-year follow-up of a randomized clinical trial. Spine 2004; 29(10): E197-203.
http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=15131454

13th November 2013

van den Dolder PA, Roberts DL. A trial into the effectiveness of soft tissue massage in the treatment of shoulder pain. Aust J Physiother 2003; 49(3): 183-188.http://ajp.physiotherapy.asn.au/AJP/vol_49/3/volume49_number3.cfm

Åsenlöf P, Denison E, Lindberg P. Long-term follow-up of tailored behavioural treatment and exercise based physical therapy in persistent musculoskeletal pain: A randomized controlled trial in primary care. Eur J Pain 2009;13(10):1080-1088.

<http://pva.uib.no/login?url=http://www.ncbi.nlm.nih.gov/pubmed/19268614>