

May 2016 Volume 24, No. 2

Logan Faculty Publications

This issue features recent publications by Logan faculty.

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Manipulation / Manual Therapy

1. [Systematic review and meta-analysis of chiropractic care and cervical artery dissection: No evidence for causation.](#) Church EW, et al. *Cureus*. 2016 Feb 16;8(2):e498 (11 pages).
2. [Does cervical spine manipulation reduce pain in people with degenerative cervical radiculopathy? A systematic review of the evidence, and a meta-analysis.](#) Zhu L, et al. *Clin Rehabil*. 2016 Feb;30(2):145-55.
3. [Manipulation of dysfunctional spinal joints affects sensorimotor integration in the prefrontal cortex: A brain source localization study.](#) Lelic D, et al. *Neural Plast*. 2016; 2016:3704964 (9 pages).

Temporomandibular Disorders

4. [Effectiveness of manual therapy and therapeutic exercise for temporomandibular disorders: Systematic review and meta-analysis.](#) Armijo-Olivo S, et al. *Phys Ther*. 2016 Jan;96(1):9-25.
5. [Efficacy of musculoskeletal manual approach in the treatment of temporomandibular joint disorder: A systematic review with meta-analysis.](#) Martins WR, et al. *Man Ther*. 2016 Feb;21:10-7.

Scoliosis

6. [The benefit of nonoperative treatment for adult spinal deformity: identifying predictors for reaching a minimal clinically important difference.](#) Liu S, et al. *Spine J*. 2016 Feb;16(2):210-8.
7. [Bracing and exercise-based treatment for idiopathic scoliosis.](#) Kalichman L, et al. *J Bodyw Mov Ther*. 2016 Jan;20(1):56-64.

Topics of Interest

- Manipulation / Manual Therapy
- TMD
- Scoliosis
- LBP / Lumbar Spine
- Neck Pain / Cervical Spine
- Pregnancy Related LBP Pain
- Pain
- Nutrition
- Public Health
- Care of Older Adults
- Sport Medicine & Rehabilitation
- Foot & Ankle
- Health Professions Education
- Health Informatics
- Miscellaneous

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LBP / Lumbar Spine

8. [Effect of mindfulness-based stress reduction vs cognitive behavioral therapy or usual care on back pain and functional limitations in adults with chronic low back pain: A randomized clinical trial.](#) Cherkin DC, et al. JAMA. 2016 Mar 22-29;315(12):1240-9.
9. [Non-steroidal anti-inflammatory drugs for chronic low back pain.](#) Enthoven WT, et al. Cochrane Database Syst Rev. 2016 Feb 10;2 (71 pages).
10. [Muscle activation timing and balance response in chronic lower back pain patients with associated radiculopathy.](#) Frost LR, Brown SH. Clin Biomech (Bristol, Avon). 2016 Feb;32:124-30.
11. [Effect of education on non-specific neck and low back pain: A meta-analysis of randomized controlled trials.](#) Ainpradub K, et al. Man Ther. 2016 Apr;22:31-41.
12. [Upright magnetic resonance imaging of the lumbar spine: Back pain and radiculopathy.](#) Nguyen HS, et al. J Craniovertebr Junction Spine. 2016 Jan-Mar;7(1):31-7.
13. [The use of intermittent trunk flexion to alleviate low back pain during prolonged standing.](#) Stewart DM, Gregory DE. J Electromyogr Kinesiol. 2016 Apr;27:46-51.
14. [Evaluation of water retention in lumbar intervertebral disks before and after exercise stress with T2 mapping.](#) Chokan K, et al. Spine (Phila Pa 1976). 2016 Apr;41(7):E430-6.
15. [The prevalence of tarsal tunnel syndrome in patients with lumbosacral radiculopathy.](#) Zheng C, et al. Eur Spine J. 2016 Mar;25 (3):895-905.
16. [Identification of preliminary prognostic indicators for back rehabilitation in patients with nonspecific chronic low back pain: A retrospective cohort study.](#) Denteneer L, et al. Spine (Phila Pa 1976). 2016 Mar;41(6):522-9.
17. [Exploratory analysis of clinical predictors of outcomes of nonsurgical treatment in patients with lumbar spinal stenosis.](#) Schneider MJ, et al. J Manipulative Physiol Ther. 2016 Feb;39(2):88-94.

Neck Pain / Cervical Spine

18. [Decreased neck muscle strength in patients with the loss of cervical lordosis.](#) Alpayci M, et al. Clin Biomech (Bristol, Avon). 2016 Mar;33:98-102.
19. [Importance of psychological factors for the recovery from a first episode of acute non-specific neck pain - a longitudinal observational study.](#) Wirth B, et al. Chiropr Man Therap. 2016 Mar 16;24:9.

Pregnancy Related LBP

20. [Current management of pregnancy-related low back pain: a national cross-sectional survey of UK physiotherapists.](#) Bishop A, et al. Physiotherapy. 2016 Mar;102(1):78-85.
21. [Sick leave and healthcare utilisation in women reporting pregnancy related low back pain and/or pelvic girdle pain at 14 months postpartum.](#) Bergström C, et al. Chiropr Man Therap. 2016 Feb 15;24:7 (11 pages).

Pain

22. [Physical activity to reduce systemic inflammation associated with chronic pain and obesity: A narrative review.](#) Paley CA, Johnson MI. Clin J Pain. 2016 Apr;32(4):365-70.

Nutrition

23. [Dairy consumption in association with weight change and risk of becoming overweight or obese in middle-aged and older women: a prospective cohort study.](#) Rautiainen S, et al. *Am J Clin Nutr.* 2016 Apr;103(4):979-88.
24. [Whey protein, amino acids, and vitamin D supplementation with physical activity increases fat-free mass and strength, functionality, and quality of life and decreases inflammation in sarcopenic elderly.](#) Rondanelli M, et al. *Am J Clin Nutr.* 2016 Mar;103(3):830-40.
25. [Intakes of fish and polyunsaturated fatty acids and mild-to-severe cognitive impairment risks: A dose-response meta-analysis of 21 cohort studies.](#) Zhang Y, et al. *Am J Clin Nutr.* 2016 Feb;103(2):330-40.
26. [Fat-free mass changes during ketogenic diets and the potential role of resistance training.](#) Tinsley GM, Willoughby DS. *Int J Sport Nutr Exerc Metab.* 2016 Feb;26(1):78-92.
27. [Systematic review of the Mediterranean diet for long-term weight loss.](#) Mancini JG, et al. *J. Am J Med.* 2016 Apr;129(4):407-415.

Public Health

28. [Combined diet and physical activity promotion programs to prevent type 2 diabetes among persons at increased risk: A systematic review for the community preventive services task force.](#) Balk EM, et al. *Ann Intern Med.* 2015 Sep 15;163(6):437-51.
29. [Homeopathy use by US Adults: Results of a national survey.](#) Dossett ML, et al. *Am J Public Health.* 2016 Apr;106(4):743-5.

Care of Older Adults

30. [Myofascial pain syndrome in the elderly and self-exercise: A single-blind, randomized, controlled trial.](#) Kim M, et al. *J Altern Complement Med.* 2016 Mar;22(3):244-51.

Sport Medicine & Rehabilitation

31. [What is evidence-based about myofascial chains: A systematic review.](#) Wilke J, et al. *Arch Phys Med Rehabil.* 2016 Mar;97(3):454-61.
32. [Effect of ankle positioning during hamstring stretches for improving straight leg hip flexion motion.](#) Laudner KG, et al. *Clin J Sport Med.* 2016 Mar;26(2):167-71.

Foot & Ankle

33. [The effects of an injury prevention program on landing biomechanics over time.](#) DiStefano LJ, et al. *Am J Sports Med.* 2016 Mar;44(3):767-76.
34. [Effects of taping and orthoses on foot biomechanics in adults with flat-arched feet.](#) Bishop C, et al. *Med Sci Sports Exerc.* 2016 Apr;48(4):689-96.

Health Professions Education

35. [Identifying educator behaviours for high quality verbal feedback in health professions education: Literature review and expert refinement.](#) Johnson CE, et al. BMC Med Educ. 2016 Mar 22;16(1):96 (11 pages).
36. [Factors shaping how clinical educators use their educational knowledge and skills in the clinical workplace: A qualitative study.](#) Kumar K, Greenhill J. BMC Med Educ. 2016 Feb 18;16(1):68 (7 pages).

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<http://www.logan.edu/academics/online-doctorate-of-health-professionals-education>

Health Informatics

37. [Opportunities and challenges in the use of personal health data for health research.](#) Bietz MJ, et al. J Am Med Inform Assoc. 2016 Apr;23(e1):e42-8.
38. [Rethinking the role and impact of health information technology: Informatics as an interventional discipline.](#) Payne PR, et al. BMC Med Inform Decis Mak. 2016 Mar 29;16(1):40 (7 pages).
39. [An electronic patient-reported outcome measures system in UK chiropractic practices: A feasibility study of routine collection of outcomes and costs.](#) Newell D, et al. J Manipulative Physiol Ther. 2016 Jan;39(1):31-41.
40. [eHealth for patient engagement: A systematic review.](#) Barello S, et al. Front Psychol. 2016 Jan 8;6:2013 (13 pages).

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<http://www.logan.edu/academics/masters-degrees/online-masters-degree-in-health-informatics>

Miscellaneous

41. [Addressing neuroplastic changes in distributed areas of the nervous system associated with chronic musculoskeletal disorders.](#) Pelletier R, et al. Phys Ther. 2015 Nov;95(11):1582-91.
42. [Nonpharmacologic versus pharmacologic treatment of adult patients with major depressive disorder: A clinical practice guideline From the American College of Physicians.](#) Qaseem A, et al. Ann Intern Med. 2016 Mar 1;164(5):350-9.

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- A. Maeda Y, **Kettner N**, Kim J, Kim H, Cina S, Malatesta C, Gerber J, McManus C, Libby A, Mezzacappa P, Mawla I, Morse LR, Audette J, **Napadow V**. [Primary somatosensory/motor cortical thickness distinguishes paresthesia- from pain-dominant carpal tunnel syndrome](#). *Pain*. 2016 Jan 5.
- B. **Sclocco R**, Beissner F, Desbordes G, Polimeni JR, Wald LL, **Kettner NW**, Kim J, Garcia RG, Renvall V, Bianchi AM, Cerutti S, **Napadow V**, Barbieri R. [Neuroimaging brainstem circuitry supporting cardiovagal response to pain: A combined heart rate variability/ultrahigh-field \(7 T\) functional magnetic resonance imaging study](#). *Philos Trans A Math Phys Eng Sci*. 2016 May 13;374(2067).
- C. **Daniels CJ**, Welk A, **Enix DE**. [Diagnostic ultrasonography of an ankle fracture undetectable by conventional radiography: A case report](#). *J Chiropr Med* 2016 Mar;15(1):35-41.
- D. Globe G, Farabaugh RJ, Hawk C, Morris CE, Baker G, Whalen WM, **Walters S**, **Kaeser M**, Dehen M, Augat T. [Clinical practice guideline: chiropractic care for low back pain](#). *J Manipulative Physiol Ther*. 2016 Jan;39(1):1-22.
- E. Reckelhoff KE, Li J, **Kaeser MA**, **Haun DW**, **Kettner NW**. [Ultrasound evaluation of the normal ulnar nerve in Guyon's tunnel: cross-sectional area and anthropometric measurements](#). *J Med Ultrasound*. 2015;23:171-6.
- F. Matz PG, Meagher RJ, Lamer T, Tontz WL Jr, Annaswamy TM, Cassidy RC, Cho CH, Dougherty P, Easa JE, **Enix DE**, Gunnoe BA, Jallo J, Julien TD, Maserati MB, Nucci RC, O'Toole JE, Rosolowski K, Sembrano JN, Villavicencio AT, Witt JP. [Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of degenerative lumbar spondylolisthesis](#). *Spine J*. 2016 Mar;16(3):439-48.
- G. Green BN, Johnson CD, **Daniels CJ**, Napuli JG, **Gliedt JA**, Paris DJ. [Integration of Chiropractic Services in Military and Veteran Health Care Facilities: A Systematic Review of the Literature](#). *J Evid Based Complementary Altern Med*. 2016 Apr;21(2):115-30.
- H. **Enix DE**, **Sudkamp K**, Scali F, Keating R, Welk A. [Management of acute patellar dislocations, an international case report](#). *J Chiropr Med*. 2015 Sep;14(3):212-19.
- I. **Battaglia PJ**, Craig K, **Kettner NW**. [Ultrasonography in the assessment of lateral ankle ligament injury, instability, and anterior ankle impingement: A diagnostic case report](#). *J Chiro Med*. 2015 Dec;14(4):265-9.
- J. **Battaglia PJ**, **Mattox R**, **Haun DW**, Welk AB, **Kettner NW**. [Dynamic ultrasonography of the deep external rotator musculature of the hip: A descriptive study](#). *PM&R*. 2015; 2015 Nov 10.
- K. **Yochum TR**, Yochum AM. [Keinbock's disease](#). *Am Chiropr*. 2015 Jun;37(6):52.

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