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This issue features recent publications by Logan Faculty and Staff.

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- Human Performance
- Nutrition
- Osteoarthritis
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MANIPULATION / MANUAL THERAPY

1. [Determining the level of evidence for the effectiveness of spinal manipulation in upper limb pain: A systematic review and meta-analysis.](#) Aoyagi M, et al. *Man Ther.* 2015 Aug;20(4):515-23.
2. [Validation of Placebo in a Manual Therapy Randomized Controlled Trial.](#) Chaibi A, et al. *Sci Rep.* 2015 Jul 6;5:11774.
3. [Osteopathic manipulative therapy in women with postpartum low back pain and disability: A pragmatic randomized controlled trial.](#) Schwerla F, et al. *J Am Osteopath Assoc.* 2015 Jul;115(7):416-25.
4. [What effect does chiropractic treatment have on gastrointestinal \(GI\) disorders: a narrative review of the literature.](#) Angus K, et al. *J Can Chiropr Assoc.* 2015 Jun;59(2):122-33.

PAIN

5. [How does pain lead to disability? A systematic review and meta-analysis of mediation studies in people with back and neck pain.](#) Lee H, et al. *Pain.* 2015 Jun;156(6):988-97.
6. [Physical activity, fear avoidance, and chronic non-specific pain: A narrative review.](#) Nelson N, et al. *J Bodyw Mov Ther.* 2015 Jul;19(3):494-9.
7. [Efficacy of pulsed and continuous therapeutic ultrasound in myofascial pain syndrome: A randomized controlled study.](#) Ilter L, et al. *Am J Phys Med Rehabil.* 2015 Jul;94(7):547-54.

SCOLIOSIS

8. [Scoliosis-Specific exercises can reduce the progression of severe curves in adult idiopathic scoliosis: a long-term cohort study.](#) Negrini A, et al. *Scoliosis.* 2015;10:20.
9. [Predictors of spine deformity progression in adolescent idiopathic scoliosis: A systematic review with meta-analysis.](#) Noshchenko A, et al. *World J Orthop.* 2015 Aug 18;6(7):537-58.

S.I. JOINT

10. [The prevalence of sacroiliac joint degeneration in asymptomatic adults.](#) Eno JJ, et al. *J Bone Joint Surg Am.* 2015 Jun 3;97(11):932-6.

TEMPOROMANDIBULAR DISORDERS

11. [The effectiveness of non-invasive interventions for temporomandibular disorders: A systematic review by the ontario protocol for traffic injury management \(optima\) collaboration.](#) Randhawa K, et al. *Clin J Pain.* 2015 Apr 28.

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LOW BACK PAIN / LUMBAR SPINE

12. [The chiropractic hospital-based interventions research outcomes study: Consistency of outcomes between doctors of chiropractic treating patients with acute lower back pain.](#) Quon JA, et al. *J Manipulative Physiol Ther.* 2015 Jun;38(5):311-23.
13. [Even worse - risk factors and protective factors for transition from chronic localized low back pain to chronic widespread pain in general practice: A cohort study.](#) Viniol A, et al. *Spine (Phila Pa 1976).* 2015 Aug 1;40(15):E890-9.
14. [Identifying potential moderators for response to treatment in low back pain: A systematic review.](#) Gurung T, et al. *Physiotherapy.* 2015 Sep;101(3):243-51.
15. [An integrative review of complementary and alternative medicine use for back pain: a focus on prevalence, reasons for use, influential factors, self-perceived effectiveness, and communication.](#) Murthy V, et al. *Spine J.* 2015 Aug 1;15(8):1870-83.
16. [The association between a lifetime history of work-related low back injury and future low back pain: a population-based cohort study.](#) Nolet PS, et al. *Eur Spine J.* 2015 Jul 25.
17. [Is back pain during childhood or adolescence associated with muscle strength, muscle endurance or aerobic capacity: three systematic literature reviews with one meta-analysis.](#) Lardon A, et al. *Chiropr Man Therap.* 2015 Jul 16;23:21.
18. [The effectiveness of cognitive behavioural treatment for non-specific low back pain: A systematic review and meta-analysis.](#) Richmond H, et al. *PLoS One.* 2015 Aug 5;10(8):e0134192.
19. [Individuals with chronic low back pain demonstrate delayed onset of the back muscle activity during prone hip extension.](#) Suehiro T, et al. *J Electromyogr Kinesiol.* 2015 Aug;25(4):675-80.
20. [Multifidus muscle changes after back injury are characterized by structural remodeling of muscle, adipose and connective tissue, but not muscle atrophy: Molecular and morphological evidence.](#) Hodges PW, et al. *Spine (Phila Pa 1976).* 2015 Jul 15;40(14):1057-71.
21. [Trunk dynamics are impaired in ballet dancers with back pain but improve with imagery.](#) Gildea JE, et al. *Med Sci Sports Exerc.* 2015 Aug;47(8):1665-71.

FIBROMYALGIA

22. [Effects of muscle stretching exercises in the treatment of fibromyalgia: a systematic review.](#) Lorena SB, et al. *Rev Bras Reumatol.* 2015 Mar-Apr;55(2):167-73.
23. [A systematic overview of reviews for complementary and alternative therapies in the treatment of the fibromyalgia syndrome.](#) Lauche R, et al. *Evid Based Complement Alternat Med.* 2015;2015:610615.

FOOT & ANKLE

24. [Everything achilles: knowledge update and current concepts in management: aaos exhibit selection.](#) Uquillas CA, et al. *J Bone Joint Surg Am.* 2015 Jul 15;97(14):1187-95.

SHOULDER

25. [Posterior instability of the shoulder: A systematic review and meta-analysis of clinical outcomes.](#) DeLong JM, et al. *Am J Sports Med.* 2015 Jul;43(7):1805-17.

HUMAN PERFORMANCE

26. [Protein applications in sports nutrition—part II: Timing and protein patterns, fat-free mass accretion, and fat loss.](#) Escobar KA, et al. *Strength Cond J.* 2015 Jun;37(3):22-34.
27. [The effects of protein supplements on muscle mass, strength, and aerobic and anaerobic power in healthy adults: a systematic review.](#) Pasiakos SM, et al. *Sports Med.* 2015 Jan;45(1):111-31.

NUTRITION

28. [Vitamin D deficiency is associated with increased risk of Alzheimer's disease and dementia: evidence from meta-analysis.](#) Shen L, et al. *Nutr J.* 2015 Aug 1;14(1):76.
29. [Effects of total fat intake on body weight.](#) Hooper L, et al. *Cochrane Database Syst Rev.* 2015 Aug 7;8.
30. [Melamine contamination in nutritional supplements—Is it an alarm bell for the general consumer, athletes, and 'Weekend Warriors'?](#) Gabriels G, et al. *Nutr J.* 2015 Jul 17;14:69.
31. [Fish oil-derived n-3 PUFA therapy increases muscle mass and function in healthy older adults.](#) Smith GI, et al. *Am J Clin Nutr.* 2015 Jul;102(1):115-22.
32. [Association of dietary patterns with serum adipokines among Japanese: a cross-sectional study.](#) Kashino I, et al. *Nutr J.* 2015 Jun 11;14:58.

OSTEOARTHRITIS

33. [Behavioural physical activity interventions in participants with lower-limb osteoarthritis: a systematic review with meta-analysis.](#) Williamson W, et al. *BMJ Open.* 2015 Aug 10;5(8):e007642.
34. [Therapeutic effects of whole-body vibration training in knee osteoarthritis: A systematic review and meta-analysis.](#) Zafar H, et al. *Arch Phys Med Rehabil.* 2015 Aug;96(8):1525-32.

RECENT PUBLICATIONS FROM LOGAN FACULTY & STAFF

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- A. **Napadow V**, Li A, Loggia ML, Kim J, Mawla I, Desbordes G, Schalock PC, Lerner EA, Tran TN, Ring J, Rosen BR, Kaptchuk TJ, Pfab F. [The imagined itch: brain circuitry supporting nocebo-induced itch in atopic dermatitis patients](#). *Allergy*. 2015 Aug 17.
- B. **Kaesler MA**, Hawk C, **Anderson ML**, **Reinhardt R**. [Community-based free clinics: opportunities for interprofessional collaboration, health promotion, and complex care management](#). *J Chiropr Educ*. 2015 Aug 4.
- C. Scali F, Pontell ME, Nash LG, **Enix DE**. [Investigation of meningomyovertebral structures within the upper cervical epidural space: a sheet plastination study with clinical implications](#). *Spine J*. 2015 Jul 22.
- D. **Yochum AM**, **Kettner NW**. [Kienbock disease: A complicated postsurgical case study using diagnostic ultrasonography](#). *J Chiropr Med*. 2015 Jun;14(2):77-82.
- E. **Enix DE**, **Sudkamp K**, Malmstrom TK, Flaherty JH. [A randomized controlled trial of chiropractic compared to physical therapy for chronic low back pain in community dwelling geriatric patients](#). *Top Integr Health Care*. 2015;6(1).

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