

# INTOUCH

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Volume 22, No. 2

## TOPICS OF INTEREST

- Diagnostic Imaging
- LBP / Lumbar Spine
- Neck Pain / Cervical Spine
- Disc Degeneration
- Manipulation / Manual Therapy
- Laser Therapy
- Posture
- Pregnancy
- Fibromyalgia
- Shoulder
- Nutrition
- Acupuncture
- Whole Body Vibration
- Pain
- Miscellaneous
- Faculty/Staff Publications

### Logan Faculty/Staff Publications

See the special section in this issue highlighting recent Logan faculty/staff publications on pages 5 and 6.

## DIAGNOSTIC IMAGING

1. [Systematic review of diagnostic imaging use for low back pain in the United States](#). Dagenais S, et al. Spine J. 2014 (13 pages).
2. [Impact of imaging guidelines on x-ray use among American provider network chiropractors: interrupted time series analysis](#). Bussi eres AE, et al. Spine J. 2013 Oct 4 (9 pages).

## LOW BACK PAIN / LUMBAR SPINE

3. [Does physical activity influence the relationship between low back pain and obesity?](#) Smuck M, et al. Spine J. 2014 Feb 1;14(2):209-16.
4. [Brief screening questions for depression in chiropractic patients with low back pain: identification of potentially useful questions and test of their predictive capacity](#). Kongsted A, et al. Chiropr Man Therap. 2014 Jan 17;22(1):4 (8 pages).
5. [Individual and intervention-related factors associated with adherence to home exercise in chronic low back pain: a systematic review](#). Beinart NA, et al. Spine J. 2013 Dec;13(12):1940-50.
6. [Does strenuous leisure time physical activity prevent severe back disorders leading to hospitalization?](#) K ari  S, et al. Eur Spine J. 2014 Mar;23(3):508-11.
7. [Patient characteristics in low back pain subgroups based on an existing classification system. A descriptive cohort study in chiropractic practice](#). Eirikstoft H, et al. Man Ther. 2014 Feb;19(1):65-71.
8. [Surgical versus nonoperative treatment for lumbar disc herniation: eight-year results for the spine patient outcomes research trial](#). Lurie JD, et al. Spine. 2014 Jan 1;39(1):3-16.
9. [Influence of catastrophizing on treatment outcome in patients with nonspecific low back pain: a systematic review](#). Wertli MM, et al. Spine. 2014 Feb 1;39(3):263-73.

## NECK PAIN / CERVICAL SPINE

10. [Normal values for cervical range of motion](#). Swinkels RA, et al. Spine. 2014 Mar 1;39(5):362-7.
11. [Coping and recovery in whiplash-associated disorders: early use of passive coping strategies is associated with slower recovery of neck pain and pain-related disability](#). Carroll LJ, et al. Clin J Pain. 2014 Jan;30(1):1-8.

## DISC DEGENERATION

12. [Aging changes in lumbar discs and vertebrae and their interaction: a 15-year follow-up study.](#) Videman T, et al. Spine J. 2014 Mar 1;14(3):469-78.

## MANIPULATION / MANUAL THERAPY

13. [Association between cervical spine manipulation and carotid artery dissection: A systematic review of the literature.](#) Chung CL, et al. J Manipulative Physiol Ther. 2014 Jan 3 (5 pages).
14. [Adverse events after manual therapy among patients seeking care for neck and/or back pain: a randomized controlled trial.](#) Paanalhti K, et al. BMC Musculoskelet Disord. 2014 Mar 12;15(1):77 (10 pages).

## LASER THERAPY

15. [Low level laser therapy: A review of research evidence.](#) Newman ND, et al. Int J Athl Ther Train. 2014 Jan;19(1):11-14.
16. [Efficacy of red and infrared lasers in treatment of temporomandibular disorders--a double-blind, randomized, parallel clinical trial.](#) Pereira TS, et al. Cranio. 2014 Jan;32(1):51-6.

## POSTURE

17. [Photographic analysis of human posture: a literature review.](#) do Rosário JL. J Bodyw Mov Ther. 2014 Jan;18(1):56-61.
18. [Exercise for improving age-related hyperkyphotic posture: a systematic review.](#) Bansal S, et al. Arch Phys Med Rehabil. 2014 Jan;95(1):129-40.

## PREGNANCY

19. [Herbal medicine use in pregnancy: results of a multinational study.](#) Kennedy DA, et al. BMC Complement Altern Med. 2013 Dec 12;13:355 (10 pages).
20. [Treatment of pregnancy-related lumbar and pelvic girdle pain by the yoga method: a randomized controlled study.](#) Martins RF, et al. J Altern Complement Med. 2014 Jan;20(1):24-31.

## FIBROMYALGIA

21. [Effects of vitamin D on patients with fibromyalgia syndrome: a randomized placebo-controlled trial.](#) Wepner F, et al. Pain. 2014 Feb;155(2):261-8.
22. [Assessing the perceptions of fibromyalgia syndrome in United States among academic physicians and medical students: Where are we and where are we headed?](#) Amber KT, et al. J Musculoskelet Pain. 2014;22(1):13-19.

## SHOULDER

23. [Treatment of non-traumatic rotator cuff tears: A randomised controlled trial with one-year clinical results.](#) Kukkonen J, et al. Bone Joint J. 2014 Jan;96-B(1):75-81.
24. [Self-managed loaded exercise versus usual physiotherapy treatment for rotator cuff tendinopathy: a pilot randomised controlled trial.](#) Littlewood C, et al. Physiotherapy. 2014 Mar;100(1):54-60.

## NUTRITION

25. Vitamin, mineral, and multivitamin supplements for the primary prevention of cardiovascular disease and cancer: U.S. Preventive Services Task Force recommendation statement. Moyer VA. Ann Intern Med. 2014 Feb 25 (8 pages).
26. Diet-beverage consumption and caloric intake among US adults, overall and by body weight. Bleich SN, et al. Am J Public Health. 2014 Mar;104(3):e72-8.
27. No vitamin D threshold for calcium absorption: why does this matter? Shapses SA. Am J Clin Nutr. 2014 Mar;99(3):429-30.
28. Calcium homeostasis and bone metabolic responses to high-protein diets during energy deficit in healthy young adults: a randomized controlled trial. Cao JJ, et al. Am J Clin Nutr. 2014 Feb;99(2):400-7.
29. An anti-inflammatory diet as treatment for inflammatory bowel disease: a case series report. Olendzki BC, et al. Nutr J. 2014 Jan 16;13:5 (7 pages).
30. Farmers' market use is associated with fruit and vegetable consumption in diverse southern rural communities. Jilcott Pitts SB, et al. Nutr J. 2014 Jan 9;13:1 (11 pages).
31. Is there a specific role for sucrose in sports and exercise performance? Wallis GA, et al. Int J Sport Nutr Exerc Metab. 2013 Dec;23(6):571-83.
32. Antioxidant vitamins and magnesium and the risk of hearing loss in the US general population. Choi YH, et al. Am J Clin Nutr. 2014 Jan;99(1):148-55.
33. Consumption of cranberry polyphenols enhances human  $\gamma\delta$ -T cell proliferation and reduces the number of symptoms associated with colds and influenza: a randomized, placebo-controlled intervention study. Nantz MP, et al. Nutr J. 2013 Dec 13;12:161 (9 pages).

## ACUPUNCTURE

34. Effects of auricular electroacupuncture on obesity in female patients: A prospective randomized placebo-controlled pilot study. Schukro RP, et al. Complement Ther Med. 2014 Feb;22(1):21-5.
35. Effects and treatment methods of acupuncture and herbal medicine for premenstrual syndrome/premenstrual dysphoric disorder: systematic review. Jang SH, et al. BMC Complement Altern Med. 2014 Jan 10;14:11 (13 pages).
36. Effectiveness and acceptance of acupuncture in patients with chronic low back pain: results of a prospective, randomized, controlled trial. Weiss J, et al. J Altern Complement Med. 2013 Dec;19(12):935-41.

## WHOLE BODY VIBRATION

37. Effect of whole-body vibration exercise on mobility, balance ability and general health status in frail elderly patients: a pilot randomized controlled trial. Zhang L, et al. Clin Rehabil. 2014 Jan;28(1):59-68.
38. Effects of whole-body vibration on postural balance and proprioception in healthy young and elderly subjects: a randomized cross-over study. Hiroshige K, et al. J Sports Med Phys Fitness. 2014 Apr;54(2):216-24.

## PAIN

39. Clinically meaningful scores on pain catastrophizing before and after multidisciplinary rehabilitation: a prospective study of individuals with subacute pain after whiplash injury. Scott W, et al. Clin J Pain. 2014 Mar;30(3):183-90.
40. Physical therapy modalities and rehabilitation techniques in the management of neuropathic pain. Akyuz G, et al. Am J Phys Med Rehabil. 2014 Mar;93(3):253-9.
41. Characteristics of sensitization associated with chronic pain conditions. Vierck CJ, et al. Clin J Pain. 2014 Feb;30(2):119-28.

## MISCELLANEOUS

42. [Systematic review of guidelines for the physical management of osteoarthritis](#). Larmer PJ, et al. Arch Phys Med Rehabil. 2014 Feb;95(2):375-89.
43. [Celiac disease](#). Am Fam Physician. 2014 Jan 15;89(2):Online.
44. [Effectiveness of T'ai Chi and Qigong on chronic obstructive pulmonary disease: A systematic review and meta-analysis](#). Ding M, et al. J Altern Complement Med. 2014 Feb;20(2):79-86.
45. [Thoracic scoliosis prevalence in patients 50 years or older and its relationship with age, sex, and thoracic kyphosis](#). Urrutia J, et al. Spine. 2014 Jan 15;39(2):149-52.
46. [Effect of kinesio tape application on hamstring and gastrocnemius muscles in healthy young adults](#). Lumbroso D, et al. J Bodyw Mov Ther. 2014 Jan;18(1):130-8.

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# Special Section

## LOGAN FACULTY & STAFF PUBLICATIONS

- A. Collaborative approach between chiropractic and dentistry to address temporomandibular dysfunction: A case report. Rubis LM, Rubis D, **Winchester B**. J Chiropr Med. 2014 [In Press].
- B. Predictors of performance on the National Board of Chiropractic Examiners Parts I and II. **McCall AR**, Harvey RD. J Chiropr Educ. 2014 Spring;28(1):9-15.
- C. Reliability of the goutallier classification in quantifying lumbar multifidus fat using MRI. **Battaglia P, Maeda Y, Welk A**, Hough B, **Kettner NW**. J Manipulative Physiol Ther. 2014 Mar; [In Press].
- D. Aneurysmal bone cyst presenting as a pathologic fracture in a 12-year-old football player. **Welk AB, Kettner NW**. J Chiropr Med. 2014 [In Press].
- E. Frequency of energy drink consumption predicts illicit prescription stimulant use. **Woolsey CL**, Barnes L, Jacobson BH, Kensinger WS, Barry AE, Resnik A, Beck NC, Evans MW. Subst Abus. 2014;35(1):96-103.
- F. Creating a Chiropractic Practice-Based Research Network (PBRN): Enhancing the management of musculoskeletal care. Bussi eres A, C ot e P, French S, Godwin M, Gotlib A, Graham ID, Grondin D, **Hawk C**, Leboeuf-Yde C, Mior S, Stuber K. J Can Chiropr Assoc. 2014 Mar;58(1):8-15.
- G. Guidelines for the practice and performance of manipulation under anesthesia. Gordon R, Cremata E, **Hawk C**. Chiropr Man Therap. 2014 Feb 3;22(1):7.
- H. Influence of foot orthotics upon duration of effects of spinal manipulation in chronic back pain patients: a randomized clinical trial. Rosner AL, **Conable KM**, Edelmann T. J Manipulative Physiol Ther. 2014 Feb;37(2):124-40.
- I. Comparison of the responsible drinking dimensions among underage and legal drinkers: examining differences in beliefs, motives, self-efficacy, barriers and intentions. Barry AE, Stellefson ML, **Woolsey CL**. Subst Abuse Treat Prev Policy. 2014 Jan 22;9(1):5.
- J. Relationship between biomechanical changes at adjacent segments and number of fused bone grafts in multilevel cervical fusions: a finite element investigation. **Hussain M**, Nassr A, Natarajan RN, An HS, Andersson GB. J Neurosurg Spine. 2014 Jan;20(1):22-9.
- K. College student motivational determinants for combining alcohol and energy drinks: Early identification could be the key. Kensinger W, **Woolsey C**, Divin A, Tapps T. Drug Educ Prev Polic. 2014; 21(1):50-55.
- L. Sonographic measurement of the normal suprascapular nerve and omohyoid muscle. **Battaglia P, Haun DW**, Dooley K, **Kettner NW**. Man Ther. 2013 Dec; [Epub ahead of print].
- M. Diffuse idiopathic skeletal hyperostosis. **Yochum AM**. J Acad Chiropr Orthoped. 2013 Dec;10(4):24-26.
- N. Review of methods used by chiropractors to determine the site for applying manipulation. Triano JJ, Budgell B, Bagnulo A, Roffey B, Bergmann T, Cooperstein R, Gleberzon B, Good C, Perron J, **Tepe R**. Chiropr Man Therap. 2013 Oct 21;21(1):36.
- O. Diagnosis and serial sonography of a proximal fifth metatarsal stress fracture. **Battaglia PJ, Kaeser MA, Kettner NW**. J Chiro Med. 2013 Sep;12(3):196-200.
- P. Giant Meckel diverticulum with enteroliths: a case report of a patient presenting with low back and episodic right lower quadrant pain. **Yochum AM**, Bonic EE, Yochum TR, **Kettner NW**. J Chiropr Med. 2013 Sep;12(3):207-11.

## LOGAN FACULTY & STAFF PUBLICATIONS (CONTINUED)

- Q. [Sonographic Squeeze Test: Assessing Reliability of the Dorsal Scapholunate Ligament](#). Reckelhoff KE, Clark T, **Kettner NW**. J Medical Ultrasound. 2013 Sep;21(3):138-142.
- R. [Clinical brief: Neurogenic thoracic outlet syndrome](#). Gliedt JA, Daniels CJ, **Enix D**. Topics in Integrative Health Care. 2013; 4(3).
- S. [Framework for chiropractic training in clinical preventive services](#). **Hawk C**, Evans MW Jr. Chiropr Man Therap. 2013 Aug 20;21(1):28.
- T. [Feasibility of using a standardized patient encounter for training chiropractic students in tobacco cessation counseling](#). **Hawk C**, **Kaeser MA**, **Beavers DV**. J Chiropr Educ. 2013 Fall;27(2):135-140.
- U. [Acupuncture evoked response in contralateral somatosensory cortex reflects peripheral nerve pathology of carpal tunnel syndrome](#). **Maeda Y**, **Kettner N**, Kim J, Cina S, Gerber J, Mezzacappa, P, Morse L, Audette J, **Napadow V**. Med Acupunct. 2013 Aug;25(4):275-84.
- V. [Effects of acupuncture for cancer pain and quality of life: A case series](#). Vinjamury SP, Li JT, Hsiao E, Huang C, **Hawk C**, Miller J, Huang Y. Chin Med. 2013 Jul 30;8(1):15.
- W. [Acupuncture-evoked response in somatosensory and prefrontal cortices predicts immediate pain reduction in carpal tunnel syndrome](#). **Maeda Y**, **Kettner N**, Lee J, Kim J, Cina S, Malatesta C, Gerber J, McManus C, Im J, Libby A, Mezzacappa P, Morse LR, Park K, Audette J, **Napadow V**. Evid Based Complement Alternat Med. 2013;2013:795906.
- X. [Histological examination of the human obliquus capitis inferior myodural bridge](#). Pontell ME, Scali F, **Enix DE**, **Battaglia PJ**, Marshall E. Ann Anat. 2013 Jun 28.
- Y. [Etiology, treatment, and prevention of ITB syndrome: A literature review](#). Saikia S, **Tepe R**. Topics in Integrative Health Care. 2013; 4(3).

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