

How about a little love for non-thrust manipulation?

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References

- 1 Feinstein AR, Horowitz R. Problems in the 'evidence' of 'evidence based medicine'. *Am J Med* 1997;103:529–35.
- 2 Indrakanti SS, Weber MH, Takemoto SK, Hu SS, Polly D, Berven SH. Value-based care in the management of spinal disorders: a systematic review of cost-utility analysis. *Clin Orthop Relat Res* 2011; Epub 2011 Nov 1, to be published.
- 3 Leininger B, Bronfort G, Evans R, Reiter T. Spinal manipulation or mobilization for radiculopathy: a systematic review. *Phys Med Rehabil Clin N Am* 2011;22:105–25.
- 4 Cross KM, Kuenze C, Grindstaff TL, Hertel J. Thoracic spine thrust manipulation improves pain, range of motion, and self-reported function in patients with mechanical neck pain: a systematic review. *J Orthop Sports Phys Ther* 2011;41:633–42.
- 5 Norris P. How 'we' are different from 'them': occupational boundary maintenance in the treatment of musculo-skeletal problems. *Sociol Health Illn* 2001;23:24–43.
- 6 Raschke D. Therapist says he was snagged in "turf war" with chiropractors. *Arkansas Democrat-Gazette* 23 December 2002.
- 7 Mintken PE, Cleland JA, Carpenter KJ, Bieniek ML, Keirns M, Whitman JM. Some factors predict successful short-term outcomes in individuals with shoulder pain receiving cervicothoracic manipulation: a single-arm trial. *Phys Ther* 2010;90:26–42.
- 8 Cook C, Cook A, Worrell T. Manual therapy provided by physical therapists in a hospital-based setting: a retrospective analysis. *J Manipulative Physiol Ther* 2008;31:338–43.
- 9 Cleland JA, Fritz JM, Whitman JM, Childs JD, Palmer JA. The use of a lumbar spine manipulation technique by physical therapists in patients who satisfy a clinical prediction rule: a case series. *J Orthop Sports Phys Ther* 2006;36:209–14.

- 10 Childs JD, Fritz JM, Flynn TW, Irrgang JJ, Johnson KK, Majkowski GR, *et al.* A clinical prediction rule to identify patients with low back pain most likely to benefit from spinal manipulation: a validation study. *Ann Intern Med* 2004;141:920–8.
- 11 Huijbregts PA. Chiropractic legal challenges to the physical therapy scope of practice: anybody else taking the ethical high ground? *J Man Manip Ther* 2007;15:69–80.
- 12 Bronfort G, Haas M, Evans R, Leininger B, Triano J. Effectiveness of manual therapies: the UK evidence report. *Chiropr Osteopat* 2010;18:3.
- 13 Koes BW, van Tulder M, Lin CW, Macedo LG, McAuley J, Maher C. An updated overview of clinical guidelines for the management of non-specific low back pain in primary care. *Eur Spine J* 2010;19:2075–94.
- 14 Matyas T, Bach T. The reliability of selected techniques in clinical arthrometrics. *Aust J Physiother* 1985;31:175–99.
- 15 Maher C, Latimer J. Pain or resistance — the manual therapists' dilemma. *Aust J Physiother* 1992;38:257–60.
- 16 Battie M, Cherkin D, Dunn R, Ciol M, Wheeler K. Managing low back pain. Attitudes and treatment preferences of physical therapists. *Phys Ther* 1994;74:219–26.
- 17 Fitzgerald G, McClure P, Beattie P, Riddle D. Issues in determining treatment effectiveness of manual therapy. *Phys Ther* 1994;74:227–33.
- 18 Teys P, Bisset L, Vicenzino B. The initial effects of a Mulligan's mobilization with movement technique on range of movement and pressure pain threshold in pain-limited shoulders. *Man Ther* 2008;13:37–42.
- 19 Hahne AJ, Keating JL, Wilson SC. Do within-session changes in pain intensity and range of motion predict between-session changes in patients with low back pain? *Aust J Physiother* 2004;50:17–23.
- 20 Leaver AM, Maher CG, Herbert RD, Latimer J, McAuley JH, Jull G, *et al.* A randomized controlled trial comparing manipulation with mobilization for recent onset neck pain. *Arch Phys Med Rehabil* 2010;91:1313–8.

- 21 Hurwitz EL, Morgenstern H, Harber P, Kominski GF, Yu F, Adams AH. A randomized trial of chiropractic manipulation and mobilization for patients with neck pain: clinical outcomes from the UCLA neck-pain study. *Am J Public Health* 2002;92:1634–41.
- 22 Bialosky JE, Bishop MD, Price DD, Robinson ME, George SZ. The mechanisms of manual therapy in the treatment of musculoskeletal pain: a comprehensive model. *Man Ther* 2009;14:531–8.
- 23 Coronado R, Bialosky J, Cook C. Temporal effects of a single session of high-velocity, low-amplitude thrust manipulation on subjects with spinal pain: a systematic review. *Phys Ther Rev* 2010;15:1–7.
- 24 Hegedus E, Goode A, Butler RJ, Slaven E. The neurophysiological effects of a single session of spinal joint mobilization: does the effect last? *J Man Manip Ther* 2011;19:143–51.