

REM Bibliography

Resistance Enhanced Manipulation References

Abraham KE, Wolff-Burke M, Fergus A. The utilization of manipulation by first professional physical therapy students and clinicians: an analysis of influential factors.

Albuquerque FC, Hu YC, Dashti SR, Abla AA, Clark JC, Alkire B, Theodore N, McDougall CG**Cranio-cervical arterial dissections as sequelae of chiropractic manipulation: patterns of injury and management.** J Neurosurg. 2011 Dec;115(6):1197-205

Assendelft W, Morton S, Yu E et al. Spinal Manipulative Therapy for Low Back Pain. *Annals of Internal Medicine.* June 2003; Vol 138 (11): 871-881.

Barrett AJ, Breen AC: Adverse effects of spinal manipulation. *J R Soc Med;* 2000 May;93(5):258-9

Beffa R, Mathews R. Does the adjustment cavitate the targeted joint? An investigation into the location of cavitation sounds. J of Manip and Physiological Ther. 2004; Feb, Vol 27 (2):

Boissonnault, W, Bryan, J. Thrust Joint Manipulation Clinical Education Opportunities for Professional Degree Physical Therapy Students. *JOSPT.* 2005;35:416-423.

Botelho MB, Andrade BB. **Effect of cervical spine manipulative therapy on judo athletes' grip strength.** J Manipulative Physiol Ther. 2012 Jan;35(1):38-44.

Brandt C, Sole G, Krause M, Nel M. An evidence-based review on the validity of the Kaltenborn rule as applied to the glenohumeral joint. *Manual Ther.* 2007;12:3-11.

Bronfort G, Nilsson N, Haas M, Evans R, Goldsmith CH, Assendelft WJJ, Bouter LM. Non-invasive physical treatments for chronic/recurrent headache. *The Cochrane Database of Systematic Reviews.* 2006 Issue 2.

Bronfort G, Evans R, Anderson AV, Svendsen KH, Bracha Y, Grimm RH. **Spinal manipulation, medication, or home exercise with advice for acute and subacute neck pain: a randomized trial.** Ann Intern Med. 2012 Jan 3;156(1 Pt 1):1-10.

Chan CK et al., **Cervical cord compression presenting with sciatica-like leg pain**
European Spine Journal, 10/26/2010

Childs JD, Flynn TW, Fritz JM. A perspective for considering the risks and benefits of spinal manipulation in patients with low back pain. *Manual Ther.* 2006;11:316-320.

Chaibi A et al, **Manual therapies for cervicogenic headache: a systematic review**
The Journal of Headache and Pain, 04/03/2012

Chakraverty J, Curtis O, Hughes T, Hourihan M **Spinal cord injury following chiropractic manipulation to the neck.** *Acta radiologica (Stockholm, Sweden : 1987)* 2011
120052(10):1125-7

Cleland J, Childs J, Fritz J, Whitman J, Eberhart S. Development of clinical prediction rule for guiding treatment of a subgroup of patients with neck pain: use of thoracic spine manipulation, exercise and patient education. *Physical Therapy.* January 2007. Vol 87 (1): 9-23.

Cleland J, Childs J. et al. Immediate effects of thoracic manipulation in patients with neck pain: a randomized clinical trial. *Manual Therapy.* 2005. 10: 127-135.
Childs J, Fritz J, Piva S, Erhard R. Clinical Decision Making in the identification of patients likely to benefit from spinal manipulation: A traditional versus an evidence-based approach. *JOSPT.* May 2003. Vol 33(5): 259-272.

Colloca CJ, Keller TS, Gunzburg R, Vandeputte K, Fuhr AW: Neurophysiologic response to intraoperative lumbosacral spinal manipulation. *J Manipulative Physiol Ther;* 2000 Sep;23(7):447-57

Cook CE, Showalter C, Kabbaz V, O'Halloran B, **Can a within/between-session change in pain during reassessment predict outcome using a manual therapy intervention in patients with mechanical low back pain?** *Man Ther.* 2012
Aug;17(4):325-9.

Cruser, des Anges; Maurer, Douglas; Hensel, Kendi; Brown, Sarah K; White, Kathryn; Stoll, Scott T, A randomized, controlled trial of osteopathic manipulative treatment for acute low back pain in active duty military personnel, *Journal of Manual & Manipulative Therapy*, Volume 20, Number 1, 2012 , pp. 5-15(11)

Descarreaux M, Dugas C, Lalanne K, Vincelette M, Normand MC: Learning spinal manipulation: the importance of augmented feedback relating to various kinetic parameters. *Spine J;* 2006 Mar-Apr;6(2):138-45

Downie AS, Vemulpad S, Bull PW. Quantifying the high-velocity, low-amplitude spinal manipulative thrust: a systematic review. *Journal of Manipulative and Physiological Therapeutics.* Sept 2010;33(7):542-553.

James R. Dunning, Joshua A. Cleland, Mark A. Waldrop, Cathy F. Arnot, Ian A. Young, Michael Turner, Gisli Sigurdsson, **Upper Cervical and Upper Thoracic Thrust Manipulation Versus Nonthrust Mobilization in Patients With Mechanical Neck Pain: A Multicenter Randomized Clinical Trial** DOI: 10.2519/jospt.2012.3894.

Edward D.J. Cambridge, John J. Triano, J. Kim Ross, Melanie S. Abbott, Comparison of force development strategies of spinal manipulation used for thoracic pain. **Manual Therapy**, Volume 17, Issue 3 , Pages 241-245, June 2012

Ernst E. Adverse effects of spinal manipulation: a systematic review. *J of Royal Society of Med.* 2007. 330-338.

Ernst E, Canter PH: A systematic review of systematic reviews of spinal manipulation. *J R Soc Med*; 2006 Apr;99(4):192-6

Evans, Roni DC, MS^{*}; Bronfort, Gert DC, PhD^{*}; Schulz, Craig DC, MS^{*}; Maiers, Michele DC, MPH^{*}; Bracha, Yiscah MS[†]; Svendsen, Kenneth MS; Grimm, Richard MD, MPH, PhD[‡]; Garvey, Supervised Exercise With and Without Spinal Manipulation Performs Similarly and Better Than Home Exercise for Chronic Neck Pain: A Randomized Controlled Trial, *Spine*:15 May 2012 - Volume 37 - Issue 11 - p 903–914

Flynn, T. Manual Physical Therapy: Moving Beyond the Theoretical. *JOSPT*. 2004;34:659-661.

Flynn T. There's More Than One Way to Manipulate a Spine. *JOSPT*. 2006;36:198-199.

Goodman CC. Red Flags: recognizing signs and symptoms. *PT Magazine*. 1993;55-62.

Gross AR, Kay T. et al. Manual therapy for mechanical neck disorders: a systematic review. *Manual Therapy*. 2002. 7(3): 131-149.

Robin Haskins, Darren A. Rivett, Peter G. Osmotherly **Clinical prediction rules in the physiotherapy management of low back pain: A systematic review** **Manual Therapy 01/03/12**

Herzog W: The biomechanics of spinal manipulation. *J Bodyw Mov Ther*; 2010 Jul;14(3):280-6

Huijbregts PA. Spinal motion palpation: a review of reliability studies. *J Manual & Manip Ther*. 2002;10:24-39.

Kaltenborn FM. Orthopedic manual therapy for physical therapists Nordic system: OMT Kaltenborn-Evjenth concept. *J Manual & Manipulative Ther*. 1993;1:47-51.

Keating JC, Bergmann TF, Jacobs GE, Finer BA, Larson K. Inter-examiner reliability of eight evaluative dimensions of lumbar segmental abnormality. *J Manipulative Physiol Ther* 1990;13:463-470.

Keller T, Colloca C, Beliveau J. Force-deformation response of the lumbar spine: a sagittal plane model of posteroanterior manipulation and mobilization. *Clinical Biomechanics*. 2002; 17: 185-196.

Kerry R, Taylor AJ. Cervical arterial dysfunction assessment and manual therapy. *Manual Therapy*, 2006; 11: 243-253.

Lavelle JM. **Osteopathic manipulative treatment in pregnant women.** *J Am Osteopath Assoc*. 2012 Jun;112(6):343-6

Lee, L., Elliott, R. Cervical spondylotic myelopathy in a patient presenting with low back pain. *JOSPT*. 2008; 38 (12): 789.

Leerar PJ, Boissonault W, Domholdt E, Roddey T. Documentation of red flags by physical therapists for patients with low back pain. *J Manual and Manipulative Ther*. 2007;15:42-49.

Leininger B, Bronfort G, Evans R, Reiter T: Spinal manipulation or mobilization for radiculopathy: a systematic review. *Phys Med Rehabil Clin N Am*; 2011 Feb;22(1):105-25

Lombardini R, Marchesi S, Collebrusco L, et al. The use of osteopathic manipulative treatment as adjuvant therapy in patients with peripheral arterial disease. *Man Ther*. 2009;14:439-443.

May, S., Rosedale, R. Prescriptive clinical prediction rules in back pain research: A systematic review. *The Journal of Manual and Manipulative Therapy*. 17(1). 36-45.

Martínez-Segura R, De-la-Llave-Rincón AI, Ortega-Santiago R, Cleland JA, Fernández-de-Las-Peñas C. **Immediate Changes in Widespread Pressure Pain Sensitivity, Neck Pain, and Cervical Range of Motion After Cervical or Thoracic Thrust Manipulation in Patients With Bilateral Chronic Mechanical Neck Pain: A Randomized Clinical Trial.** *J Orthop Sports Phys Ther*. 2012 Jun 18.

McCormack, Joshua R, Use of thoracic spine manipulation in the treatment of adhesive capsulitis: a case report, Journal of Manual & Manipulative Therapy, Volume 20, Number 1, 2012 , pp. 28-34(7)

Mennell JM. Rationale of joint manipulation. *Phys Ther*. 1970;50:181-6.

Mintken PE, Metrick L, Flynn T. Upper cervical ligament testing in a patient with os odontoideum presenting with headaches. *JOSPT*. 2008;38(8):465-475.

Moss P, Sluka K, Wright A. The initial effects of knee joint mobilization on osteoarthritic hyperalgesia. *Manual Ther.* 2007;12:109-118.

Orakifar N, Kamali F, Pirouzi S, Jamshidi F **Sacroiliac joint manipulation attenuates alpha-motoneuron activity in healthy women: a quasi-experimental study.** *Archives of Physical Med.* 2012;93(1):56-61

Oppenheim JS, Spitzer DE, Segal DH: Nonvascular complications following spinal manipulation. *Spine J*; 2005 Nov-Dec;5(6):660-6; discussion 666-7

Osmotherly PG, Rivett DA, Rowe LJ. **The anterior shear and distraction tests for craniocervical instability. An evaluation using magnetic resonance imaging.** *Man Ther.* 2012 May 2

EParker J, Heinking KP, Kappler RE. **efficacy of osteopathic manipulative treatment for low back pain in euhydrated and hypohydrated conditions: a randomized crossover trial.** *J Am Osteopath Assoc.* 2012 May;112(5):276-84.

Paris SV. Gross spinal movements and their restriction as the basis of joint manipulation. *Prog Phys Ther.* 1970;1:208-13.

Pickar JG: Neurophysiological effects of spinal manipulation. *Spine J*; 2002 Sep-Oct;2(5):357-71

Padua L, Padua R, LoMonaco M, Tonali PA: Radiculomedullary complications of cervical spinal manipulation. *Spinal Cord* ; 1996 Aug;34(8):488-92

Pettman E. A history of manipulative therapy. *J of Man and Manip Ther.* 2007;15:165-174.

Posadzki P. **Is spinal manipulation effective for pain? An overview of systematic reviews.** *Pain Med.* 2012 Jun;13(6):754-61. 2012 May 23.

Posadzki P, Ernst E. **Spinal manipulations for tension-type headaches: a systematic review of randomized controlled trials.** *Complement Ther Med.* 2012 Aug;20(4):232-9.

Puentedura, Emilio J; March, Jessica; Anders, Joe; Perez, Amber; Landers, Merrill R; Wallmann, Harvey W; Cleland, Joshua , **Safety of cervical spine manipulation: are adverse events preventable and are manipulations being performed appropriately? A review of 134 case reports,** *Journal of Manual & Manipulative Therapy*, Volume 20, Number 2, 2012 , pp. 66-74(9)

Reggars JW, Pollard HP. Analysis of zygapophyseal joint cracking during chiropractic manipulation. *J Manipulative Physiol Ther* 1995;18:65-71.

Rivett DA. Adverse events and the vertebral artery: can they be averted? *Manual Ther.* 2006;11:241-242.

Rushton A, Lindsay G. Defining the construct of masters level clinical practice in manipulative physiotherapy. *Manual Therapy.* 2010; 15: 93-99.

Schmid A, Brunner F, Wright A, Bachmann LM. Paradigm shift in manual therapy? Evidence for a central nervous system component in the response to passive cervical joint mobilization. *Manual Therapy.* 2008;13:387-396

Seffinger MA, Najm WI, Mishra SI, Adams A, Dickerson VM, Murphy LS, Reinsch S. Reliability of spinal palpation for diagnosis of back and neck pain. *Spine* 2004;29(19):E413-E424.

Raquel Martínez-Segura, Ana I. De-la-Llave-Rincón, Ricardo Ortega-Santiago, Joshua A. Cleland, César Fernández-de-las-Peñas, Immediate Changes in Widespread Pressure Pain Sensitivity, Neck Pain, and Cervical Range of Motion After Cervical or Thoracic Thrust Manipulation in Patients With Bilateral Chronic Mechanical Neck Pain: A Randomized Clinical Trial, DOI: 10.2519/jospt.2012.4151

Sarah L. Slater, Jon J. Ford, Matthew C. Richards, Nicholas F. Taylor, Luke D. Surkitt Andrew J. Hahne, The effectiveness of sub-group specific manual therapy for low back pain: A systematic review **Manual Therapy**, Volume 17, Issue 3 , Pages 201-212, June 2012.

Stevinson C, Ernst E: Risks associated with spinal manipulation. *Am J Med*; 2002 May;112(7):566-71

Thomas LC, Rivett DA, Bolten PS. Pre-manipulative testing and the use of the velocimeter. *Man Ther*, 2008; 13: 29-36.

Triano JT. Biomechanics of spinal Manipulative therapy. *The Spine Journal.* 2001: 121-130.

Triano JJ, Descarreaux M, Dugas C., **Biomechanics - Review of approaches for performance training in spinal manipulation.** J Electromyogr Kinesiol. 2012 Apr 28

Triano JJ, Bougie J, Rogers C, Scaringe J, Sorrels K, Skogsbergh D, Mior S: Procedural skills in spinal manipulation: do prerequisites matter? *Spine J*; 2004 Sep-Oct;4(5):557-63

Tseng Y, Wang W. et al. Predictors for the immediate responders to cervical manipulation in patients with neck pain. *Manual Therapy.* 2006. 11: 306-315.

Vicenzino B, Cleland JA, Bisset L. Joint manipulation in the management of lateral epicondylalgia: a clinical commentary. *J Manual & Manipulative Ther.* 2007;15:50-56.

Vicenzino B, Paungmali A, Teys P. Mulligan's mobilization-with-movement, positional faults and pain relief: Current concepts from a critical review of literature. *Manual Ther.* 2007;12:98-108.

Yekutiel M. The role of vertebral movement in gait: implications for manual therapy. *J Manual & Manipulative Ther.* 1994;2:22-27.

Zusman M. Spinal manipulative therapy: review of some proposed mechanisms, and a new hypothesis. *The Australian Journal of Physiotherapy.* 1986; 32(2): 89-99.