

The next meeting of the Leeds research hub is being held on Tuesday 11th May, 2021 from 6.30-8.30pm. The papers for discussion at the meeting are listed below.

Curi ACC, Alves ASM, Silva JG. Cardiac autonomic response after cranial technique of the fourth ventricle (cv4) compression in systemic hypertensive subjects. *J Bodyw Mov Ther.* 2018;22(3):666-672. <https://pubmed.ncbi.nlm.nih.gov/30100295/>

La Touche R, Paris-Aleman A, Mannheimer JS, *et al.* Does mobilization of the upper cervical spine affect pain sensitivity and autonomic nervous system function in patients with cervico-craniofacial pain?: A randomized-controlled trial. *Clin J Pain.* 2013;29(3):205-15. <https://pubmed.ncbi.nlm.nih.gov/22874091/>

Ruffini N, D'Alessandro G, Mariani N, *et al.* Variations of high frequency parameter of heart rate variability following osteopathic manipulative treatment in healthy subjects compared to control group and sham therapy: randomized controlled trial. *Front Neurosci.* 2015;9:272. <https://pubmed.ncbi.nlm.nih.gov/26300719/>

Younes M, Nowakowski K, Didier-Laurent B, *et al.* Effect of spinal manipulative treatment on cardiovascular autonomic control in patients with acute low back pain. *Chiropr Man Therap.* 2017;25:33. <https://pubmed.ncbi.nlm.nih.gov/29214015/>

Gibbons PF, Gosling CF, Holmes M. Short-term effects of cervical manipulation on edge light pupil cycle time: a pilot study. *J Manipulative Physiol Ther.* 2000;23(7):465-9. <https://pubmed.ncbi.nlm.nih.gov/11004650/>

Cerritelli F, Cardone D, Pirino A, *et al.* Does Osteopathic Manipulative Treatment Induce Autonomic Changes in Healthy Participants? A Thermal Imaging Study. *Front Neurosci.* 2020;14:887. <https://pubmed.ncbi.nlm.nih.gov/33013294/>

Henley CE, Ivins D, Mills M, et al. Osteopathic manipulative treatment and its relationship to autonomic nervous system activity as demonstrated by heart rate variability: a repeated measures study. *Osteopath Med Prim Care*. 2008;2:7.

<https://pubmed.ncbi.nlm.nih.gov/18534024/>

Milnes K, Moran RW. Physiological effects of a CV4 cranial osteopathic technique on autonomic nervous system function: a preliminary investigation. *Int J Osteopath Med*. 2007;10(1):8–17.

Recheberger V, Biberschick M, Porthun J. Effectiveness of an osteopathic treatment on the autonomic nervous system: a systematic review of the literature. *Eur J Med Res*. 2019;24(1):36.

<https://pubmed.ncbi.nlm.nih.gov/31653268/>