

Appendix I:

Publication List THIM 2024

Peer-reviewed Journal publications: 2024

Dsilva, C., Gatty, A., Mascarenhas, D., Baeyens, J.P., Dsouza, F., Sidhpuria, S. Comparing effects of inspiratory muscle trainer and lung flute on sputum clearance in chronic obstructive pulmonary disease: A randomized controlled trial, *Physiotherapy Practice and Research*. 2024 45 (1), 41-47. DOI: 10.3233/PPR-230827.

Hohenauer, E., Bianchi, G., Wellauer, V., Taube, W. & Clijsen, R. Acute physiological responses and muscle recovery in females: a randomized controlled trial of muscle damaging exercise in hypoxia. *BMC Sport Science, Medicine and Rehabilitation*. doi.org/10.1186/s13102-024-00861-1.

Hohenauer, E., Rogan, S. & Clijsen, R. Cold, heat and hypoxia as a medical tool: the use in a healthy and diseased population. *Frontiers in Physiology*, 15, 1380395. doi.org/10.3389/fphys.2024.1380395.

Konrad, K.L., Weissenfels, A., Birkenmaier, C., Baeyens, J.P., Kemmler, W. & Wegener, B. The Impact of Baseline Pain Intensity on the Effectiveness of Whole-Body Electromyostimulation (WB-EMS) for Nonspecific Chronic Back Pain. *Cureus*. 2024 16(4):e57858. doi: 10.7759/cureus.57858. PMID: 38721185; PMCID: PMC11078559.

Liechti, M., Menegon, M., Schurz, A. P., Taeymans, J., Baur, H., Clijsen, R., ... & Lutz, N. Association between pain intensity and body composition in adults with chronic non-specific low back pain: A systematic review and meta-analysis. *Obesity Reviews*, e13875.

Schurz, A. P., Walter, M. M., Liechti, M., Clijsen, R., Deliëns, T., Taeymans, J. & Lutz, N. (2024). Health economic evaluation of weight reduction interventions in individuals suffering from overweight or obesity and a musculoskeletal diagnosis - a systematic review. *BMC Musculoskeletal Disorders*, 25(1), 744.

Tal-Akabi, A., Clijsen, R., Rogan, S., Maguire, C., Winteler, B., Brand, P. & Taeymans, J. (2024). How can educational institutes in Switzerland prepare physiotherapy students to implement advanced practice roles - a view point paper. *BMC Medical Education*, 24(1), 1240.

Versteeg, N., Wellauer, V., Wittenwiler, S., Aerenhouts, D., Clarys, P. & Clijsen, R. Short-term cutaneous vasodilatory and thermosensory effects of topical methyl salicylate. *Frontiers in Physiology* 15:1347196. doi:10.3389/fphys.2024.1347196.

Wellauer, V. Forschung für unsere Gesundheit und Lebensqualität, Bündner Tagblatt, 16 January 2024.

Participation in Scientific Meetings: 2024

Clijsen, R., Wellauer, V., Cologna, D. & Gasparin, S. Ausdauersport & Erholung. Wissenschaftscafé Graubünden, 07.03.2024 und 09.03.2024, Pontresina, Switzerland (Invited oral presentation).

Adammeek, F., Riegel, F., Hohenauer, E., Burtscher, J., Clijsen, R. & Bansi, J. Sprint-Interval-Training under hypoxia in persons with Multiple Sclerosis: A feasibility study. 29th Annual RIMS Conference: Empowerment & Inclusivity, 27-29 June 2024, Hasselt, Belgium (Poster Presentation).

Dsilva, C. & Baeyens, J.P. Effect of structured exercise based rehabilitation on sarcopenia, sleep and quality of life in head and neck cancer undergoing chemoradiotherapy-rct, e-poster presented for the MASCC/AFSOS/ISOO 2024 Annual Meeting on Supportive Care in Cancer, 27-29 June 2024, Lille, France.

Schurz, A., Walter, M., Liechti, M., Deliëns, T., Taeymans, J. & Lutz, N. Health Economic Evaluation Of Weight Reduction Intervention In Individuals Suffering From Overweight Or Obesity And A Musculoskeletal Diagnosis- A Systematic Review. EUHEA Conference, 30 June - 3 July 2024, Vienna, Austria (Oral Presentation).

Wellauer, V., Clijsen, R., Bianchi, G. & Hohenauer, E. The effect of repeated cold- and hot water immersion after muscle damage in women: a randomised controlled trial. 29th Annual Congress of the European College of Sport Science. 2-5 July 2024, Glasgow, Scotland.

Barbero, M., Schneebeli, A., Clijsen, R., Chiarotto, A., Koetsiers, E., Maino, P., Di Tanna, G.L. & Corbetta, D. Effectiveness of Dry Needling for Myofascial Trigger Points: An Overview of Systematic Reviews. IFOMPT 2024 Crossing bridges 4-6 July 2024, Basel, Switzerland (Poster Presentation).

Rogan, S., Taeymans, J., Farrel, G., Kovanur, K. & Clijsen, R. Impact of six thoracic spine mobilizations on autonomic nervous system in healthy persons - a feasibility study. IFOMPT 2024 - the world conference of musculoskeletal and manual physical therapy, 4-6 July 2024, Basel, Switzerland.

Liechti, M., Menegon, M., Schurz, A., Taeymans, J., Bauer, H., Clijsen, R., Malfliet, A. & Nathanael, L. Associations Between Pain Intensity and Body Composition in Adults with Chronic Non-specific Low Back Pain. IASP World congress on Pain, 5-9 August 2024, Amsterdam, Netherlands (Poster Presentation).

Baeyens, R., Cornilly, M., Laurijssen, D., Clijsen, R., Baeyens, J.P., Steckel, J. & Daems, W. Synchronisation of a Multimodal Sensing Setup for Analysis of Conservatory Pianists. Euromicros DSD/SEAA 2024, Conference, 28-30 August 2024, Sorbonne University, Paris, France.

Clijsen, R., Tal, A., Rogan, S., Maguire, C., Winteler, B., Brand, P. & Taeymans, J. How can educational institutions in Switzerland prepare physiotherapy students to implement advanced practice roles- a view-point paper. ENPHE conference, 12-14 September 2024, Warsaw, Poland (Poster Presentation).