

## ***"Osteopathic Models - between tradition and evidence-based practice"***

Title : A single model for osteopathy or several?  
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Osteopathy's professional identity (1)(2)(3) and traditional practice models, such as the biomechanical model, need to be rethought to match scientific advances. Several emerging models are therefore being debated in the osteopathic community: bio-psycho-social (BPS) model (4), adapted BPS model (5), tensegrity (6), interoception (7), central and peripheral sensitization (8) or neuroscience models (9). The importance of touch and palpation is now being seriously studied (10)(11)(12)(13).

Rather than causing a loss of professional identity, a feeling of incompetence or being a source of conflict, these questionings could be fertile opportunities to deepen the foundations of osteopathy and better understand the reasons for its effectiveness.

Beyond the relevance of each of these theoretical models, two things seem important:

- A single model cannot account for the diversity of osteopathic clinical practice; it seems more relevant to associate the reasons for consultation with the model that suits them.
- Theoretical models, whether traditional or emerging, should be able to be linked to information derived from palpation, since palpation is perceived by patients, and therapists, as an essential element of osteopathy (14).

This presentation integrates the most significant osteopathic models on a continuum and:

- associates them with the different types of reasons for consultation,
- links them to the characteristics of palpation,
- takes into account scope of practice, non-specific effects related to the therapeutic relationship and determinants of health.

This integrated model can serve as a guide for trainers and clinicians alike, enabling osteopathy to evolve in line with its roots and with science.

## Bibliography

1. Smith D. Reflecting on new models for osteopathy – it’s time for change. *International Journal of Osteopathic Medicine*. mars 2019;31:15-20.
2. Tyreman S. Valuing osteopathy: What are (our) professional values and how do we teach them? *International Journal of Osteopathic Medicine*. sept 2008;11(3):90-5.
3. Vogel S. W(h)ither osteopathy: A call for reflection; a call for submissions for a special issue. *International Journal of Osteopathic Medicine*. sept 2021;41:1-3.
4. Fryer G. Integrating osteopathic approaches based on biopsychosocial therapeutic mechanisms. Part 1: The mechanisms. *International Journal of Osteopathic Medicine*. sept 2017;25:30-41.
5. Zegarra-Parodi R, Draper-Rodi J, Cerritelli F. Refining the biopsychosocial model for musculoskeletal practice by introducing religion and spirituality dimensions into the clinical scenario. *International Journal of Osteopathic Medicine*. juin 2019;32:44-8.
6. Swanson RL. Biotensegrity: A Unifying Theory of Biological Architecture With Applications to Osteopathic Practice, Education, and Research—A Review and Analysis. *Journal of Osteopathic Medicine*. 1 janv 2013;113(1):34-52.
7. D’Alessandro G, Cerritelli F, Cortelli P. Sensitization and Interoception as Key Neurological Concepts in Osteopathy and Other Manual Medicines. *Front Neurosci* [Internet]. 10 mars 2016 [cité 12 nov 2023];10. Disponible sur: <http://journal.frontiersin.org/Article/10.3389/fnins.2016.00100/abstract>
8. Pelletier R, Bourbonnais D, Higgins J. Nociception, pain, neuroplasticity and the practice of Osteopathic Manipulative Medicine. *International Journal of Osteopathic Medicine*. mars 2018;27:34-44.
9. Cerritelli F, Esteves JE. An Enactive–Ecological Model to Guide Patient-Centered Osteopathic Care. *Healthcare*. 12 juin 2022;10(6):1092.
10. Arcuri L, Consorti G, Tramontano M, Petracca M, Esteves JE, Lunghi C. “What you feel under your hands”: exploring professionals’ perspective of somatic dysfunction in osteopathic clinical practice—a qualitative study. *Chiropr Man Therap*. 31 août 2022;30(1):32.
11. Aubin A, Gagnon K, Morin C. The seven-step palpation method: A proposal to improve palpation skills. *International Journal of Osteopathic Medicine*. mars 2014;17(1):66-72.
12. Manzotti A, Cerritelli F, Esteves JE, Lista G, Lombardi E, La Rocca S, et al. Dynamic touch reduces physiological arousal in preterm infants: A role for c-tactile afferents? *Developmental Cognitive Neuroscience*. oct 2019;39:100703.
13. McParlin Z, Cerritelli F, Rossetini G, Friston KJ, Esteves JE. Therapeutic Alliance as Active Inference: The Role of Therapeutic Touch and Biobehavioural Synchrony in Musculoskeletal Care. *Front Behav Neurosci*. 30 juin 2022;16:897247.
14. Consedine S, Standen C, Niven E. Knowing hands converse with an expressive body – An experience of osteopathic touch. *International Journal of Osteopathic Medicine*. mars 2016;19:3-12.