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REVIEWER'S REPORT

Manuscript No.: IJAR-57860

Title: Can Digital Neurophenotyping and Artificial Intelligence Transform the Evaluation of Cranial Osteopathic Interventions?

Recommendation:

Accept after minor revision……

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance		✓		

Reviewer's ID: JPR-198

Detailed Reviewer's Report

This manuscript addresses an interesting and timely topic at the intersection of cranial osteopathy, digital health, wearable biosensors, and artificial intelligence. The article is conceptually strong and proposes a novel framework for objectively evaluating cranial osteopathic interventions using digital neurophenotyping and machine learning approaches.

The major strength of the manuscript is that it does not attempt to prove the efficacy of cranial osteopathy but rather focuses on solving the longstanding measurement problem that has limited scientific evaluation of the field. The proposed phased research roadmap is logical, balanced, and methodologically sound.

However, several limitations should be addressed:

- The article is largely theoretical and lacks concrete examples of pilot studies demonstrating feasibility in cranial osteopathy.
- Some references are only indirectly related to cranial osteopathy and serve mainly as examples from digital health and neuroscience.
- The discussion occasionally implies that objective biomarkers may resolve efficacy questions, whereas objective measurement alone cannot compensate for weak intervention effects.
- A brief section discussing cost, accessibility, and practical implementation of these technologies in clinical research would strengthen the manuscript.
- The manuscript would benefit from a simple conceptual figure illustrating the proposed digital neurophenotyping–AI research framework.