



In Motion

Highlighting Articles Advancing Pain Research in Canada and the World

Featured article:

Schneider, C., et al. **Checklist on the Quality of the Repetitive Peripheral Magnetic Stimulation (rPMS) Methods in Research: An International Delphi Study.** *Frontiers in Neurology*, 2022;13:852848. <https://doi.org/10.3389/fneur.2022.852848>

Key insights from the study:

- **Standardizing rPMS Research:** The consensus-based checklist aims to standardize research methods in Repetitive Peripheral Magnetic Stimulation (rPMS) studies, addressing inconsistencies and enhancing reproducibility.
- **International Expert Consensus:** Utilizing the Delphi method, international experts collaborated to agree on essential standards and procedures that should be followed in rPMS research.
- **Enhancing Study Quality:** The checklist will guide researchers in designing and reporting rPMS studies, ultimately improving the quality of data collection and publication.

What happened?

An international panel of experts was convened to develop a comprehensive checklist for rPMS research through a structured Delphi process. This method involved multiple rounds of surveys where experts evaluated and agreed on specific standards and criteria essential for conducting and reporting rPMS studies effectively. The checklist includes detailed items related to subject characteristics, methodology, stimulation protocols, and analyses to ensure comprehensive and transparent reporting.

Why is it important?

The development of a standardized checklist for rPMS research is crucial for advancing the field by ensuring that studies are replicable and robust. By providing clear guidelines on what should be reported and controlled in rPMS studies, the checklist helps to minimize methodological discrepancies and improves the interpretability and generalizability of research findings.

What now?

With the checklist established, the next steps involve its broad adoption by the research community and integration into the peer review process. Researchers are encouraged to utilize this checklist in future rPMS studies to enhance methodological transparency and reliability. Continued refinement and updates to the checklist may occur as new research insights emerge.

