



RESEARCH IN REVIEW

Dear Members,

We are pleased to bring to you this issue of **Research in Review** highlighting research articles relevant to neurologic physical therapy over the past months. We hope that you enjoy perusing through the collection of articles we selected for this edition.

We select recently published articles that are available through a link on PubMed or directly through the link on the Research in Review citation. Please note that to avoid redundancy with other APTA-based research newsletters, typically, we do not include articles published in Physical Therapy or Journal of Neurologic Physical Therapy. We welcome any suggestions or comments you may have to help improve the newsletter.

Sincerely,

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RESEARCH TOPICS

- Feature Article
- Motor Control
- Rehabilitation
- Clinical Neurophysiology
- Technologies



Full text articles in **JNPT**
are **free** for members

FEATURE ARTICLE(S)

Celian C, Swanson V, Shah M, Newman C, Fowler-King B, Gallik S, Reilly K, Reinkensmeyer DJ, Patton J, Rafferty MR. A day in the life: a qualitative study of clinical decision-making and uptake of neurorehabilitation technology. J Neuroeng Rehabil. 2021 Jul 28;18(1):121. doi: 10.1186/s12984-021-00911-6. PMID: 34321036; PMCID: PMC8317366.

MOTOR CONTROL

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cycle exercises can efficiently optimize gait-symmetry and balance capabilities in children with unilateral cerebral palsy: A randomized controlled trial. NeuroRehabilitation. 2021;49(1):139-149. doi: 10.3233/NRE-210063. PMID: 34180425.

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TECHNOLOGIES

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Mancini M. Functional limits of stability and standing balance in people with Parkinson's disease with and without freezing of gait using wearable sensors. Gait Posture. 2021 Jun;87:123-129. doi: 10.1016/j.gaitpost.2021.04.023. Epub 2021 Apr 19. PMID: 33906091.

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The Research in Review was designed using Medline filters to extract high impact research articles related to the field of neuroscience and physical therapy, which includes areas of motor control, rehabilitation, clinical neurophysiology, and technology. Emphasis is placed heavily on articles published within the last eight weeks, that cover issues related to spinal cord injury, stroke, balance and falls, brain injury, degenerative diseases, and vestibular rehabilitation. The list contains the full citation and a link to the abstract or full text article. The Research in Review is published once every 2 months and will arrive in your email box in a format that is easily viewable by both HTML and text-based readers. Articles with no volume, issue or page numbers indicate that the article has not been published in paper form yet, but may be available in electronic form through the publisher. We welcome requests for article postings at the first and third Mondays of each month. Those interested in assisting with this endeavor are welcome to contact [Dr. Trisha Kesar](#) or [Dr. Antoinette Domingo](#).

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