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FEATURED ARTICLES

- 1887 **Health Outcomes Associated With Military Deployment: Mild Traumatic Brain Injury, Blast, Trauma, and Combat Associations in the Florida National Guard**
Rodney D. Vanderploeg, PhD, Heather G. Belanger, PhD, Ronnie D. Horner, PhD, Andrea M. Spehar, DVM, MPH, JD, Gail Powell-Cope, PhD, ARNP, FAAN, Stephen L. Luther, PhD, Steven G. Scott, DO
- 1896 **Determination of the Effectiveness of Accelerometer Use in the Promotion of Physical Activity in Cardiac Patients: A Randomized Controlled Trial**
Kazuhiro P. Izawa, PT, MSc, PhD, Satoshi Watanabe, PT, BSc, Koji Hiraki, PT, MSc, Yuji Morio, PT, MSc, Yusuke Kasahara, PT, MSc, PhD, Naoya Takeichi, PT, BSc, Koichiro Oka, PhD, Naohiko Osada, MD, PhD, Kazuto Omiya, MD, PhD
- 1903 **Effectiveness of Thermal Stimulation for the Moderately to Severely Paretic Leg After Stroke: Serial Changes at One-Year Follow-Up**
Chung-Chao Liang, MD, Tsung-Cheng Hsieh, PhD, Chun-Hsiang Lin, PT, BS, Yu-Chun Wei, PT, BS, Jung Hsiao, PT, BS, Jia-Ching Chen, PT, MS
- 1911 **Evaluation of a Powered Ankle-Foot Prosthetic System During Walking**
Abbie E. Ferris, MS, Jennifer M. Aldridge, MS, Christopher A. Rabago, PT, PhD, Jason M. Wilken, MPT, PhD

ORIGINAL ARTICLES

- 1919 **Qualitative Study of Prosthetic Suspension Systems on Transtibial Amputees' Satisfaction and Perceived Problems With Their Prosthetic Devices**
Sadeeq Ali, MEngSc, Noor Azuan Abu Osman, PhD, Mohammad Muzamil Naqshbandi, PhD, Arezoo Eshraghi, PhD, Mojtaba Kamyab, PhD, Hossein Gholizadeh, MEngSc
- 1924 **Peak Oxygen Consumption in Older Adults With a Lower Limb Amputation**
Daphne Wezenberg, MSc, Arnold de Haan, PhD, Willemijn X. Faber, MD, Hans J. Sloopman, MD, Lucas H. van der Woude, PhD, Han Houdijk, PhD
- 1930 **Stimulation of Shank Muscles During Functional Electrical Stimulation Cycling Increases Ankle Excursion in Individuals With Spinal Cord Injury**
Ché Fornusek, PhD, Glen M. Davis, PhD, Ilhun Baek, MPTy
- 1937 **Predicting Energy Expenditure of Manual Wheelchair Users With Spinal Cord Injury Using a Multisensor-Based Activity Monitor**
Shivayogi V. Hiremath, MS, Dan Ding, PhD, Jonathan Farrington, MSc, Rory A. Cooper, PhD
- 1944 **Predictors of Changes in Sentimental and Sexual Life After Traumatic Spinal Cord Injury**
Patrizio Sale, MD, Federica Mazzarella, Sc, Maria Cristina Pagliacci, MD, Maurizio Agosti, Giorgio Felzani, MD, Marco Franceschini, MD
- 1950 **Pulmonary Function and Expiratory Flow Limitation in Acute Cervical Spinal Cord Injury**
Valentina Alvisi, MD, Elisabetta Marangoni, MD, Silvia Zannoli, MD, Mariella Uneddu, MD, Riccardo Uggento, MD, Lucia Farabegoli, MD, Riccardo Ragazzi, MD, Joseph Milic-Emili, MD, Gian P. Belloni, MD, Raffaele Alvisi, MD, Carlo A. Volta, MD
- 1957 **Relationship Between Arm Usage and Instrumental Activities of Daily Living After Unilateral Stroke**
Kathleen Y. Haaland, PhD, Pratik K. Mutha, PhD, Jenny K. Rinehart, PhD, Melissa Daniels, BS, Brad Cushnyr, MD, John C. Adair, MD

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- 1963 **Wolf Motor Function Test for Characterizing Moderate to Severe Hemiparesis in Stroke Patients**
Timea M. Hodics, MD, Kyle Nakatsuka, Bhim Upreti, MD, Arun Alex, MD, Patricia S. Smith, PT, PhD, John C. Pezzullo, PhD
- 1968 **Multimodal and Widespread Somatosensory Abnormalities in Persistent Shoulder Pain in the First 6 Months After Stroke: An Exploratory Study**
Meyke Roosink, PhD, Robert T. Van Dongen, MD, PhD, Jan R. Buitenweg, PhD, Gerbert J. Renzenbrink, MD, Alexander C. Geurts, MD, PhD, Maarten J. IJzerman, PhD
- 1975 **Quantifying Nonuse in Chronic Stroke Patients: A Study Into Paretic, Nonparetic, and Bimanual Upper-Limb Use in Daily Life**
Marian E. Michielsen, MSc, Ruud W. Selles, PhD, Henk J. Stam, MD, PhD, Gerard M. Ribbers, MD, PhD, Johannes B. Bussmann, PhD
- 1982 **Simplified Cough Test for Screening Silent Aspiration**
Mitsuyasu Sato, DDS, Haruka Tohara, DDS, PhD, Takatoshi Iida, DDS, Satoko Wada, DDS, Motoharu Inoue, DDS, Koichiro Ueda, DDS, PhD
- 1987 **“Virtual” Lesioning of the Human Oropharyngeal Motor Cortex: A Videofluoroscopic Study**
Eric Verin, MD, PhD, Emilia Michou, PhD, Anne-Marie Leroi, MD, PhD, Shaheen Hamdy, MD, PhD, Jean-Paul Marie, MD, PhD
- 1991 **Acoustic Voice Analysis Does Not Identify Presence of Penetration/Aspiration as Confirmed by Videofluoroscopic Swallowing Study**
Hui-Ya Chang, SLP, MS, Pao-Chuan Torng, CCC-SLP, PhD, Tyng-Guey Wang, MD, Yeun-Chung Chang, MD, PhD
- 1995 **Jaw-Opening Exercise for Insufficient Opening of Upper Esophageal Sphincter**
Satoko Wada, DDS, Haruka Tohara, DDS, PhD, Takatoshi Iida, DDS, Motoharu Inoue, DDS, Mitsuyasu Sato, DDS, Koichiro Ueda, DDS, PhD
- 2000 **Effects of Submental Neuromuscular Electrical Stimulation on Pharyngeal Pressure Generation**
Frauke M. Heck, MS, Sebastian H. Doeltgen, PhD, Maggie-Lee Huckabee, PhD
- 2008 **Changes in Objectively Measured Physical Activity (Performance) After Epidural Steroid Injection for Lumbar Spinal Stenosis**
Christy C. Tomkins-Lane, PhD, Justin Conway, BA, Charles Hepler, MSc, Andrew J. Haig, MD
- 2015 **Changes in Gait Pattern and Hip Muscle Strength After Open Reduction and Internal Fixation of Acetabular Fracture**
Masafumi Kubota, RPT, PhD, Kenzo Uchida, MD, PhD, Yasuo Kokubo, MD, PhD, Seiichiro Shimada, RPT, Hideaki Matsuo, RPT, Takafumi Yayama, MD, PhD, Tsuyoshi Miyazaki, MD, PhD, Naoto Takeura, MD, Ai Yoshida, MD, Hisatoshi Baba, MD, PhD
- 2022 **Comparative Validity of Accelerometer-Based Measures of Physical Activity for People With Multiple Sclerosis**
Susan Coote, PhD, Catriona O'Dwyer, MSc
- 2029 **Characterization of Compensatory Trunk Movements During Prosthetic Upper Limb Reaching Tasks**
Anthony J. Metzger, MBE, Alexander W. Dromerick, MD, Rahsaan J. Holley, MS, Peter S. Lum, PhD
- 2035 **Reliability and Validity of a Low Load Endurance Strength Test for Upper and Lower Extremities in Patients With Fibromyalgia**
Diego Munguía-Izquierdo, PhD, Alejandro Legaz-Arrese, PhD
- 2042 **Current Pain and Fear of Pain Contribute to Reduced Maximum Voluntary Contraction of Neck Muscles in Patients With Chronic Neck Pain**
René Lindstroem, DC, Thomas Graven-Nielsen, PhD, Deborah Falla, PhD

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- 2049 **Active-Assisted Cycling Improves Tremor and Bradykinesia in Parkinson's Disease**
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- 2055 **Truth Be Told: Evidence of Wheelchair Users' Accuracy in Reporting Their Height and Weight**
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- 2062 **Room for Improvement: Patient, Parent, and Practitioners' Perceptions of Foot Problems and Foot Care in Juvenile Idiopathic Arthritis**
Gordon J. Hendry, PhD, Debbie E. Turner, PhD, Paula K. Lorgelly, PhD, James Woodburn, PhD
- 2068 **Test-Retest Reliability of the 6-Minute Walk Test in Individuals With Down Syndrome**
Amanda F. Casey, PhD, Xu Wang, PhD, Kristin Osterling, BSc
- 2075 **New Monitoring Technology to Objectively Assess Adherence to Prescribed Footwear and Assistive Devices During Ambulatory Activity**
Sicco A. Bus, PhD, Roelof Waaijman, MSc, Frans Nollet, MD, PhD
- 2080 **Prolonged Swallowing Time in Dysphagic Parkinsonism Patients With Aspiration Pneumonia**
Chia-Wei Lin, MD, Yeun-Chung Chang, MD, Wen-Shiang Chen, MD, PhD, Kevin Chang, MD, Hui-Ya Chang, MS, SLP, Tyng-Guey Wang, MD
- 2085 **Sonoelastographic Evaluation of Medial Gastrocnemius Muscles Intrinsic Stiffness After Rehabilitation Therapy With Botulinum Toxin A Injection in Spastic Cerebral Palsy**
Gi-Young Park, MD, PhD, Dong Rak Kwon, MD, PhD
- 2090 **Validity of the Intelligent Device for Energy Expenditure and Activity Accelerometry System for Quantitative Gait Analysis in Patients With Hip Osteoarthritis**
Julia F. Item-Glatthorn, MSc, Nicola C. Casartelli, MSc, Jeannette Petrich-Munzinger, MD, Urs K. Munzinger, MD, Nicola A. Maffioletti, PhD
- 2094 **Dynamic Lumbar Curvature Measurement in Acute and Chronic Low Back Pain Sufferers**
Jonathan Mark Williams, PhD, Inam Haq, MBBS, Raymond Y. Lee, PhD

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- 2100 **Effectiveness of Telephone Counseling in Managing Psychological Outcomes After Spinal Cord Injury: A Preliminary Study**
Diana Dorstyn, MPsych, Jane Mathias, PhD, Linley Denson, PhD, Marie Robertson, MPsych

JOURNAL-BASED CME ARTICLE

- 2109 **Activity Pacing, Avoidance, Endurance, and Associations With Patient Functioning in Chronic Pain: A Systematic Review and Meta-Analysis**
Nicole E. Andrews, BOccThy Hon 1, Jenny Strong, PhD, Pamela J. Meredith, PhD

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- 2122 **Paretic Upper Extremity Movement Gains Are Retained 3 Months After Training With an Electrical Stimulation Neuroprosthesis**
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- 2129 Letters to the Editor
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- 2133 Corrections

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- 2137 Request for Proposals
- 2139 Measurement Tool: Measurement Characteristics and Clinical Utility of the Executive Function
Performance Test Among Individuals With Stroke
Jason Raad, MS, Jennifer Moore, PT, DHS, NCS