

PUBLICATIONS

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Rakel B, Barr JO. Physical modalities in chronic pain management. *Nurs Clin North Am*. 2003 Sep;38(3):477-494.

Schindler-Ivens SM, Shields RK. Comparison of linear regression and probit analysis for detecting H-reflex threshold in individuals with and without spinal cord injury. *Electromyogr Clin Neurophysiol* 44(3):153-163 2004.

Schindler-Ivens SM, Shields RK. Soleus H-reflex recruitment is not altered in persons with chronic spinal cord injury. *Arch Phys Med Rehabil* 85(5): 840-850 2004.

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ABSTRACTS/PRESENTATIONS

Farrell KP, Albers A, Frank B, McGrane D, Thoma S, Vortman M. Electromyographic Activity of Shoulder Musculature in Codman's Exercise and Active Range of Motion in Patients with Shoulder Pathology. Poster presentation at APTA Combined Sections Meeting, Nashville, TN, 2004.

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Frank LM, Riley NA, Swanson C, Trapkus J. Pilot Study: Are Visual Markers in the Home Environment Effective in Improving Parkinsonian Gait? Poster presentation at APTA Combined Sections Meeting, Nashville, TN, 2004.

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Shields RK. Functional load through active resistive stance: Influence on musculoskeletal tissues after SCI. Swiss Paraplegia Center, Notwille, Switzerland, May 2004.

Shields RK. Management of the individual with spinal cord injury: A paradigm shift. Scandinavian Rehabilitation Symposium, Oslo, Norway, May 2004.

Shields RK. Neuromuscular plasticity after spinal cord injury. Hamburg Spinal Cord Injury Center, Hamburg, Germany, May 2004.

Shields RK. Outcomes research in rehabilitation. Department of Rehabilitation Therapies, University of Iowa Hospitals and Clinics, March 2004.

Sluka KA, Hoeger Bement MK. Current concepts in pain and pain management and the latest neurobiological research on the mechanisms of action of TENS for the relief of pain. Chronic pain management: What's new in research? APTA Combined Sections Meeting, Nashville, TN, February 2004.

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Sluka KA. Animal models of muscle pain. Neural plasticity and learning in chronic pain. Schwetzingen, Germany, March 2004.

Sluka KA. Induction and maintenance of chronic muscle pain. Department of Physiology, University of Iowa, Iowa City, IA, May 2004.

Sluka KA. The role of physical therapy in chronic pain management. Department of Anesthesia, University of Iowa, Iowa City, IA, February 2004.

Wilken J, Saltzman C, Yack HJ. Assessing first metatarsal motion during gait: A validation study. Gait and Clinical Movement Analysis Society 9th Annual Meeting, Lexington, KY, April 2004.

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Williams GN. Neuromuscular function after ACL reconstruction with autologous semitendinosus-gracilis graft. 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2004.

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GRANTS

Shields RK. Novel Exercise System to Promote Neuromusculoskeletal Recovery After Spinal Cord Injury. University of Iowa Carver Medical Research Initiative Grant; \$27,000, March 1, 2004 – June 30, 2006.

Sluka KA. ASIC3 Mediates Mechanical Hyperalgesia in Inflammatory Muscle Pain. University of Iowa Carver Collaborative Pilot Grant; \$46,500, March 1, 2004 – June 30, 2006.