
CONTENTS

- ii Guidelines for Contributors
- iii Masthead Page
- iv Editor's Notes
- vii Guest Editorial: Eugene F. Murphy, PhD, and early VA research in prosthetics and sensory aids
Marguerite Hays, MD
- ix Clinical Relevance for the Veteran: Summaries of Scientific/Technical Articles

Scientific/Technical Articles

- 161 State-of-the-art research in lower-limb prosthetic biomechanics-socket interface:
A review
Arthur F.T. Mak, PhD; Ming Zhang, PhD; David A. Boone, CP, MPH
- 175 Osseointegration in skeletal reconstruction and rehabilitation: A review
*Rickard Brånemark, MD, PhD; P-I Brånemark, MD, PhD; Björn Rydevik, MD, PhD;
Robert R. Myers, PhD*
- 183 Intramedullary osseointegration: Development of a rodent model and study of histology
and neuropeptide changes around titanium implants
*Magnus Ysander, MD; Rickard Brånemark, MD, PhD; Kjell Olmarker, MD, PhD;
Robert R. Myers, PhD*
- 191 Long-term survival of regenerated cartilage on a large joint surface
Jennifer S. Wayne, PhD; Charles L. McDowell, MD; Mark C. Willis, MD
- 201 Measuring the effects of seating on people with profound and multiple disabilities—A
preliminary study
*Aileen R. Neilson, BSc, MSc; Geoff I. Bardsley, BEng, PhD; David I. Rowley, BMedBiol,
MD, FRCS; James Hogg, BA, BA, PhD; Mo Malek, BSc, MSc, MSc, PhD;
Gwendolyn C. Morrison, BA, MSc, DPhil; Craig A. Kirkwood, BSc, PhD*
- 215 Driving performance and workload assessment of drivers with tetraplegia:
An adaptation evaluation framework
Björn Peters, MSc
- 225 Dietary and serum lipids in individuals with spinal cord injury living in the community
*Robabeh M. Moussavi, PhD; Francisca Ribas-Cardus, MS; Diana H. Rintala, PhD; Gladys
P. Rodriguez, PhD*
- 235 Assistive technology to improve PC interaction for people with intention tremor
*Peter Feys; Anders Romberg; Juhani Ruutiainen, MD; Angela Davies-Smith;
Rosemary Jones, PhD; Carlo Alberto Avizzano, PhD; Massimo Bergamasco, PhD;
Pierre Ketelaer, MD*

- 245** A comparison of regular rehabilitation and regular rehabilitation with supported treadmill ambulation training for acute stroke patients
Inácio Teixeira da Cunha Filho, PT, PhD; Peter A.C. Lim, MD; Huma Qureshy, PT, MS; Helene Henson, MD; Trilok Monga, MD; Elizabeth J. Protas, PT, PhD
- 257** Vibratory-coded directional analysis: Evaluation of a three-microphone/four-vibrator DSP system
Erik Borg, MD, PhD; Jerker Rönnerberg, PhD; Lennart Neovius, MSc; Techn. Lic.
- 265** A three-microphone system for real-time directional analysis: Toward a device for environmental monitoring in deaf-blind
Erik Borg, MD, PhD; Lennart Neovius, MSc, Techn. Lic.; Magnus Kjellander, MSc

Clinical Reports

- 273** Optimal circumference reduction of finger models for good prosthetic fit of a thimble-type prosthesis for distal finger amputations
Michael E.L. Leow, BSc, MSc, Cert Prosthetics and Robert W.H. Pho, MBBS, MD, FRCS
- 281** Stroke: Who's counting what?
Dean M. Reker, PhD, RN; Byron B. Hamilton, MD, PhD; Pamela W. Duncan, PhD, PT1; Shu-Chuan Jennifer Yeh, PhD, RN; Amy Rosen, PhD

-
- 291** Errata