CONTENTS

Guidelines for Contributors

Masthead

From the Editor’s Desk
Stacieann C. Yuhasz, PhD

Guest Editorial:
Technology transfer in rehabilitation: A personal account
Robert J. Goldman, MD

Clinical Relevance for the Veteran

Scientific/Technical Articles

95  Phase I design and evaluation of an isometric muscle reeducation device for knee osteoarthritis rehabilitation
   Robert J. Goldman, MD; Kirk A. Reinbold, PhD; Z. Annette Iglarsh, PhD, PT; Lawrence M. Neustadter, DO; Carol A. Oatis, PT, PhD; H. Ralph Schumacher, MD

109  The effect of a shock-absorbing pylon on the gait of persons with unilateral transtibial amputation
    Steven A. Gard, PhD; Regina J. Konz, MS

125  The effects of wheelchair-seating stiffness and energy absorption on occupant frontal impact kinematics and submarining risk using computer simulation
    Gina Bertocci, PhD, PE; Aaron L. Souza, MS; Stephanie Szobota, BS

131  Failure analysis of composite femoral components for hip arthroplasty
    Chaodi Li, PhD; Christopher Granger, MS; H. Del Schutte Jr., MD; Sherrill B. Biggers Jr., PhD; John M. Kennedy, PhD; Robert A. Latour Jr., PhD

147  The globe system: An unambiguous description of shoulder positions in daily life movements
    Caroline A.M. Doorenbosch, PhD; Jaap Harlaar, PhD; DirkJan (H.E.J.) Veeger, PhD

157  Guide to conducting tinnitus retraining therapy initial and follow-up interviews
    James A. Henry, PhD; Margaret M. Jastreboff, PhD; Pawel J. Jastreboff, PhD, ScD; Martin A. Schechter, PhD; Stephen A. Fausti, PhD

179  Evaluation of an instrumented glove for hand-movement acquisition
    Laura Dipietro, PhD; Angelo M. Sabatini, PhD; Paolo Dario, PhD
Technical Note

191 A digitizer with exceptional accuracy for use in prosthetics research: A technical note
   Joan E. Sanders, PhD; Stuart B. Mitchell, MSE; Santosh G. Zachariah, PhD; Kelvin Wu, BSE

RR&D Solicitation

197 BION® Solicitation:
   Partnership forged with Mann Foundation to advance BION® technology
   Danielle Kerkovich, PhD