JRRD Volume 52 • Number 1 • 2015

CONTENTS

i Title

iii Masthead

vii *JRRD* Guest Editorial: Dudley S. Childress: Engineering solutions for human enablement

xi *JRRD* At a Glance

Review Article

1 Spinal, pelvic, and hip movement asymmetries in people with lower-limb amputation: Systematic review
Hemakumar Devan, MPhty; Allan Carman, PhD; Paul Hendrick, PhD; Leigh Hale, PhD; Daniel Cury Ribeiro, PhD
http://dx.doi.org/10.1682/JRRD.2014.05.0135

Scientific/Technical Articles

21 Time loaded standing in female chronic fatigue syndrome compared with other populations
Jan b Eyskens, MSc PT, DO, Pr Ph; Jo Nijs; Kristiaan D'Août; Alain Sand, MD; Kristien Wouters; Greta Moorkens, MD, PhD
http://dx.doi.org/10.1682/JRRD.2014.03.0086

31 Incidence, severity, and impact of hyperhidrosis in people with lower-limb amputation
Colby Hansen, MD; Bradeigh Godfrey, DO; Jody Wixom, MD; Molly McFadden, MS
http://dx.doi.org/10.1682/JRRD.2014.04.0108

41 Applying ISO 16840–2 Standard to differentiate impact force dissipation characteristics of selection of commercial wheelchair cushions
Martin Ferguson-Pell, PhD; Grace Ferguson-Pell, BA, BSc, RN; Farhood Mohammadi, BSc, MSc; Evan Call, MS
http://dx.doi.org/10.1682/JRRD.2014.04.0115

53 Identifying obstacles to return to duty in severely injured combat-related servicemembers with amputation
Richard K. Hurley Jr, MD; Jessica C. Rivera, MD; Joseph C. Wenke, PhD; Chad A. Krueger, MD
http://dx.doi.org/10.1682/JRRD.2014.04.0094

63 Design and evaluation of voluntary opening and voluntary closing prosthetic terminal device
Jon W. Sensinger, PhD, PEng; James Lipsey, MS, PE; Ashley Thomas; Kristi Turner, OTR/L
http://dx.doi.org/10.1682/JRRD.2014.03.0087

77 Feasibility of lower-limb muscle power training to enhance locomotor function poststroke
Patrick Morgan, MS; Aaron Embry, DPT, MSCR; Lindsay Perry, DPT, NCS; Katy Holthaus, BS; Chris M. Gregory, PhD, PT
http://dx.doi.org/10.1682/JRRD.2014.04.0109

VA HEALTH CARE Defining EXCELLENCE in the 21st Century

85 Respiratory responses to stimulation of abdominal and upper-thorax intercostal muscles using multiple Permaloc® electrodes
James S. Walter, PhD; Donald Thomas, MD; Scott Sayers, PhD; R. Anthony Perez-Tamayo, MD; Timothy Crish; Sanjay Singh, PhD
http://dx.doi.org/10.1682/JRRD.2014.01.0018

97 Ankle mechanics during sidestep cutting implicates need for 2-degrees of freedom powered ankle-foot prostheses
Evandro M. Ficanha; Mohammad Rastgaar, PhD; Kenton R. Kaufman, PhD
http://dx.doi.org/10.1682/JRRD.2014.02.0043

113 Training with robot-applied resistance in people with motor-incomplete spinal cord injury: Pilot study
Tania Lam, PhD; Katherine Pauhl, MSc; Amanda Ferguson, BScPT; Raza N. Malik, BKin; Andrei Krassioukov, MD, PhD; Janice J. Eng, PhD
http://dx.doi.org/10.1682/JRRD.2014.03.0090

Article featured in podcast
JRRD Slideshow Project
Supplemental audio content
RSS updates
Article in PDF
Supplemental video content
Supplemental content
Supplemental data