CONTENTS

Title

Mashead

JRRD At a Glance

Review Article

641 Validity of activity monitors in wheelchair users: A systematic review
Kalai Tsang, BS; Shivayogi V. Hiremath, PhD; Theresa M. Crytzer, DPT, ATP; Brad E. Dicianno, MD; Dan Ding, PhD
http://dx.doi.org/10.1682/JRRD.2016.01.0006

Scientific/Technical Articles

659 Iraq/Afghanistan-era Veterans with back pain: Characteristics and predictors of compensation and pension award
Carine J. Sakr, MD, MPH; Anne C. Black, PhD; Martin D. Slade, MPH; Justin Calfo, BA; Marc I. Rosen, MD
http://dx.doi.org/10.1682/JRRD.2015.08.0151

669 Caring for our wounded warriors: A qualitative examination of health-related quality of life in caregivers of individuals with military-related traumatic brain injury
Noelle E. Carlozzi, PhD; Tracey A. Brickell, DPsych; Louis M. French, PsyD; Angelie Sander, PhD; Anna L. Kratz, PhD; David S. Tulsky, PhD; Nancy D. Chiaravalloti, PhD; Elizabeth A. Hahn, MA; Michael Kallen, PhD; Amy M. Austin, BS; Jennifer A. Miner, MBA; Rael T. Lange, PhD
http://dx.doi.org/10.1682/JRRD.2015.07.0136

681 Perceived health, caregiver burden, and quality of life in women partners providing care to Veterans with traumatic brain injury
Karen L. Saban, PhD, APRN, RN, CNRN, FAHA; Joan M. Griffin, PhD; Amanda Urban, PhD; Marissa A. Janusek, PharmD; Theresa Louise-Bender Pape, DrPH, CCC-SLP; Eileen Collins, PhD, RN, FAAN
http://dx.doi.org/10.1682/JRRD.2015.07.0143

693 A conceptual model for vision rehabilitation
Pamela S. Roberts, PhD, OTR/L, SCFES, FAOTA, CPHQ, FNAP; John-Ross Rizzo, MD; Kimberly Hreha, MS, OTR/L; Jeffrey Wertheimer, PhD, ABPP-CN; Jennifer Kaldenberg, MSA, OTR/L, SCLV, FAOTA; Dawn Hironaka, BS, OTR/L; Richard Riggs, MD; August Colenbrander, MD
http://dx.doi.org/10.1682/JRRD.2015.06.0113

705 Chronic effects of exposure to high-intensity blasts: Results of tests of central auditory processing
Frederick J. Gallun, PhD; M. Samantha Lewis, PhD; Robert L. Folmer, PhD; Michele Hutter, MS; Melissa A. Papesh, PhD; Heather Belding, BS; Marjorie R. Leek, PhD
http://dx.doi.org/10.1682/JRRD.2014.12.0313
721 Prosthesis management of residual-limb perspiration with subatmospheric vacuum pressure
Glenn K. Klute, PhD; Kathleen J. Bates, MS; Jocelyn S. Berge, MSE; Wayne Biggs, CPO; Charles King, CP
http://dx.doi.org/10.1682/JRRD.2015.06.0121

729 Coping with tinnitus
Erin Martz, PhD, CRC; James A. Henry, PhD
http://dx.doi.org/10.1682/JRRD.2015.09.0176

743 Relationship between symptoms and family relationships in Veterans with serious mental illness
Morgan Haselden, BA; Sarah Piscitelli, MA; Amy Drapalski, PhD; Deborah Medoff, PhD; Shirley M. Glynn, PhD; Amy N. Cohen, PhD; Lisa B. Dixon, MD, MPH
http://dx.doi.org/10.1682/JRRD.2015.08.0158

753 Functional performance differences between the Genium and C-Leg prosthetic knees and intact knees
CPT M. Jason Highsmith, PhD, DPT, CP (USAR); Jason T. Kahle, MSMS, CPO; Rebecca M. Miro, PhD; M. Elaine Cress, PhD; Derek J. Lura, PhD; CDR William S. Quillen, PhD, DPT (USN Ret); Stephanie L. Carey, PhD; Rajiv V. Dubey, PhD; Larry J. Mengelkoch, PhD, PT
http://dx.doi.org/10.1682/JRRD.2014.06.0149

767 The Veterans Health Administration’s traumatic brain injury screen and evaluation: Practice patterns
Heather G. Belanger, PhD; Gail Powell-Cope, PhD, ARNP, FAAN; Andrea M. Spehar, DVM, MPH, JD, CCRC; Mark McCranie, MA; S. Angelina Klanchar, RN, MS; Ruth Yoash-Gantz, PsyD; Judith B. Kosasih, MD; Joel Scholten, MD
http://dx.doi.org/10.1682/JRRD.2015.09.0187

781 The influence of physical and mental health symptoms on Veterans’ functional health status
Tong Sheng, PhD; J. Kaci Fairchild, PhD; Jennifer Y. Kong, MSW; Lisa M. Kinoshita, PhD; Jauhtai J. Cheng, MD; Jerome A. Yesavage, MD; Drew A. Helmer, MD, MS; Matthew J. Reinhard, PsyD; J. Wesson Ashford, MD, PhD; Maheen M. Adamson, PhD
http://dx.doi.org/10.1682/JRRD.2015.07.0146

797 Psychometric evaluation of self-report outcome measures for prosthetic applications
Brian J. Hafner, PhD; Sara J. Morgan, PhD, CPO; Robert L. Askew, PhD, MPH; Rana Salem, MA
http://dx.doi.org/10.1682/JRRD.2015.12.0228

813 Language treatment prior to anterior temporal lobe surgery: Can naming skills be preserved?
Diane L. Kendall, PhD; Irene Minkina, BA; Lauren Bislick, MA; Thomas J. Grabowski, MD; Vaishali Phatak, PhD; JoAnn P. Silkes, PhD; Jeffrey G. Ojemann, MD
http://dx.doi.org/10.1682/JRRD.2014.12.0310

827 Preliminary findings of a novel measure of driving behaviors in Veterans with comorbid TBI and PTSD
Elizabeth K. Whipple, MS; Maria T. Schultheis, PhD; Keith M. Robinson, MD
http://dx.doi.org/10.1682/JRRD.2015.09.0172

839 The effects of prosthetic ankle stiffness on stability of gait in people with transtibial amputation
Matthew J. Major, PhD; Martin Twiste, PhD; Laurence P. J. Kenney, PhD; David Howard, PhD
http://dx.doi.org/10.1682/JRRD.2015.08.0148

853 Implementation of a prediabetes identification algorithm for overweight and obese Veterans
Tannaz Moin, MD, MBA, MSHS; Laura J. Damschroder, MS, MPH; Bradley Youles, MPA; Fatima Makki, MPH; Charles Billington, MD; William Yancy, MD, MHSc; Matthew L. Maciejewski, PhD; Linda S. Kinsinger, MD, MPH; Jane E. Weinreb, MD; Nanette Steinle, MD; Caroline R. Richardson, MD
http://dx.doi.org/10.1682/JRRD.2015.06.0104
Cognitive reserve and executive function: Effect on judgment of health and safety
Kristin H. Hinrichs, MS; Alex Hayek; David Kalmbach, MA; Nicolette Gabel, PhD; Linas A. Bieliauskas, PhD
http://dx.doi.org/10.1682/JRRD.2015.04.0073

Reliability and factor structure of the Hospital Anxiety and Depression Scale in a polytrauma clinic
Laura Boxley, PhD; Jennifer M. Flaherty, PhD; Robert J. Spencer, PhD; Lauren L. Drag, PhD; Percival H. Pangilinan, MD; Linas A. Bieliauskas, PhD
http://dx.doi.org/10.1682/JRRD.2015.05.0088

Sociotechnical probabilistic risk modeling to predict injurious falls in community living centers
Gail Powell-Cope, PhD, ARNP, FAAN; Robert Campbell, PhD, JD; Bridget Hahm, MA, MPH; Tatjana Bulat, MD; John Westphal, BS
http://dx.doi.org/10.1682/JRRD.2015.08.0165

The effect of caster wheel diameter and mass distribution on drag forces in manual wheelchairs
Rene Zepepa, BEng; Franco Chan, BASc; Bonita Sawatzky, PhD
http://dx.doi.org/10.1682/JRRD.2015.05.0074

Reliability and validity of the Microsoft Kinect for assessment of manual wheelchair propulsion
Rachel Milgrom, BS, OTD/S; Matthew Foreman, BSME; John Standeven, PhD; Jack R. Engsberg, PhD; Kerri A. Morgan, PhD, OTR/L, ATP
http://dx.doi.org/10.1682/JRRD.2015.10.0198

Accelerometer-based step initiation control for gait-assist neuroprostheses
Kevin M. Foglyano, BS; John R. Schnellenberger, MS; Rudi Kobetic, MS; Lisa Lombardo, PT; Gilles Pinault, MD; Stephen Selkirk, MD, PhD; Nathaniel S. Makowski, PhD; Ronald J. Triolo, PhD
http://dx.doi.org/10.1682/JRRD.2015.09.0188

Foot clearance and variability in mono- and multifocal intraocular lens users during stair navigation
Erik Renz, BS; Madeleine E. Hackney, PhD; Courtney D. Hall, PT, PhD
http://dx.doi.org/10.1682/JRRD.2015.02.0030

Sensor-based balance training with motion feedback in people with mild cognitive impairment
Michael Schwenk, PhD; Marwan Sabbagh, MD; Ivy Lin, MPH; Pharrah Morgan, MPH; Gurje S. Grewal, PhD; Jane Mohler, PhD; David W. Coon, PhD; Bijan Najafi, PhD
http://dx.doi.org/10.1682/JRRD.2015.09.0089

Utility of a multimodal neurophysiological assessment tool in distinguishing between individuals with and without a history of mild traumatic brain injury
Martin Baruch, PhD; Jeffrey T. Barth, PhD; David Cifu, MD; Martin Leibman, PhD
http://dx.doi.org/10.1682/JRRD.2015.06.0120

Psychosocial effects of competitive Boccia program in persons with severe chronic disability
Sharon Barak, PhD; Nuria Mendoza-Laiz, PhD; Maria Teresa Gutiérrez Fuentes, PhD; Maria Rubiera, PhD; Yeshayahu Hutzler, PhD
http://dx.doi.org/10.1682/JRRD.2015.06.0156

Tongue-controlled robotic rehabilitation: A feasibility study in people with stroke
Sarah Ostadabbas, PhD; Stephen N. Housley, PT; Nordine Sebkhi, MS; Kimberly Richards, PT; David Wu, BS; Zhenxuan Zhang, BS; Maria Garcia Rodriguez, PT; Lindsey Warthen, PT; Crystal Yarbrough, PT; Samir Belagaje, MD; Andrew J. Butler, PhD, PT; Maysam Ghovanloo, PhD
http://dx.doi.org/10.1682/JRRD.2015.06.0122
1007 Quantitative assessment of hand motor function in cervical spinal disorder patients using target tracking tests
Sunghoon I. Lee, PhD; Alex Huang, BS; Bobak Mortazavi, PhD; Charles Li, BS; Haydn A. Hoffman, BS; Jordan Garst, BS; Derek S. Lu, BS; Ruth Getachew, BS; Marie Espinal; Mehrdad Razaghy, BS; Nima Ghalehsari, BS; Brian H. Paak, BS; Amir A. Ghavam; Marwa Afridi; Arsha Ostowari; Hassan Ghasemzadeh, PhD; Daniel C. Lu, MD, PhD; Majid Sarrafzadeh, PhD
http://dx.doi.org/10.1682/JRRD.2014.12.0319

1023 Efficacy of extremely low-frequency magnetic field in fibromyalgia pain: A pilot study
Teresa Paolucci, MD, PhD; Giulia Piccinini, MD; Marco Iosa, PhD; Cristina Piermattei, MD; Simona de Angelis, MD; Maria Rosaria Grasso, MD; Federico Zangrando, FT; Vincenzo Maria Saraceni, MD
http://dx.doi.org/10.1682/JRRD.2015.04.0061

1035 Explaining modified 2-min walk test outcomes in male Veterans with traumatic or nontraumatic lower-limb amputation
Brian J. Loyd, PT, DPT; Thomas T. Fields, PT, DPT; Ryan O. Stephenson, DO; Jennifer E. Stevens-Lapsley, PT, PhD; Cory L. Christiansen, PT, PhD
http://dx.doi.org/10.1682/JRRD.2015.03.0038

1045 Rehabilitation and multiple limb amputations: A clinical report of patients injured in combat
Ted Melcer, PhD; Jay Pyo, DO; Jay Walker, BA; Kimberly Quinn, RN, MSN; Martin Lebedda, RN; Kamaran Neises, BA; Christina Nguyen, MPH; Michael Galanneau, NREMT, MS
http://dx.doi.org/10.1682/JRRD.2014.09.0219

1061 Barriers to outcome measure administration and completion at discharge from inpatient rehabilitation of people with amputation
Heather M. MacKenzie, MD; Danielle B. Rice, BA; C. Michele Sealy, BScPT; Peter D. Cox, MSc; A. Barry Deathe, MD, FRCPC; Michael W. C. Payne, MD, FRCPC
http://dx.doi.org/10.1682/JRRD.2015.07.0142

1069 Physical activity, ambulation, and comorbidities in people with diabetes and lower-limb amputation
Roger J. Paxton, PhD; Amanda M. Murray, DPT, PhD; Jennifer E. Stevens-Lapsley, PT, PhD; Kyle A. Sherk, MS, CPO; Cory L. Christiansen, PT, PhD
http://dx.doi.org/10.1682/JRRD.2015.08.0161

1079 Metabolic effects of using a variable impedance prosthetic knee
Matthew R. Williams, PhD; Hugh Herr, PhD; Susan D’Andrea, PhD
http://dx.doi.org/10.1682/JRRD.2015.04.0072

1089 The biomechanical response of persons with transfemoral amputation to variations in prosthetic knee alignment during level walking
Sara R. Koehler-McNicholas, PhD; Robert D. Lipschutz, CP; Steven A. Gard, PhD
http://dx.doi.org/10.1682/JRRD.2014.12.0311

1107 Preliminary evaluation of a novel bladder-liner for facilitating residual-limb fluid volume recovery without doffing
Joan E. Sanders, PhD; Christian B. Redd, MS; John C. Cagle, BS; Brian J. Hafner, PhD; David Gardner, MSME; Katheryn J. Allyn, CPO; Daniel S. Harrison, BS; Marcia A. Ciol, PhD
http://dx.doi.org/10.1682/JRRD.2014.12.0316
Elevated vacuum suspension preserves residual-limb skin health in people with lower-limb amputation: Randomized clinical trial
Cameron Rink, PhD; Matthew M. Wernke, PhD; Heather M. Powell, PhD; Surya Gynawali, PhD; Ryan M. Schroeder, BS; Jayne Y. Kim, MS; Jeffrey A. Denune, CP; Gayle M. Gordillo, MD; James M. Colvin, MS; Chandan K. Sen, PhD
http://dx.doi.org/10.1682/JRRD.2015.07.0145

Transtibial amputee gait efficiency: Energy storage and return versus solid ankle cushioned heel prosthetic feet
James Gardiner, PhD; Abu Zeeshan Bari, PhD; David Howard, PhD; Laurence Kenney, PhD
http://dx.doi.org/10.1682/JRRD.2015.04.0066

The perceived functional benefit of dynamic arm supports in daily life
Loek van der Heide, MSc; Luc de Witte, PhD, MD
http://dx.doi.org/10.1682/JRRD.2015.06.0099

The effect of common wrist orthoses on the stiffness of wrist rotations
Daniel B. Seegmiller, MS; Dennis L. Eggett, PhD; Steven K. Charles, PhD
http://dx.doi.org/10.1682/JRRD.2014.11.0274