
CONTENTS

- iii Masthead
- vii Guest Editorial:
One lesson from arthroplasty to osseointegration in search for better fixation of in-bone implanted prosthesis
Mark Pitkin, PhD
- xv *JRRD* at a Glance

Scientific/Technical Articles

- 479 Acute mountain sickness in disability and adaptive sports: Preliminary data
Brad E. Dicianno, MD; Eric D. Aguila, MD; Rory A. Cooper, PhD; Paul F. Pasquina, MD; Mary J. Clark, DO; Diane M. Collins, PhD, OTR/L; Shirley G. Fitzgerald, PhD; Todd A. Wichman, MD
- 489 Effects of assistance dogs on persons with mobility or hearing impairments: A pilot study
Diana H. Rintala, PhD; Rebeca Matamoros, BS; Laura L. Seitz, MA
- 505 Distributed cognitive aid with scheduling and interactive task guidance
Edmund F. LoPresti, PhD; Richard C. Simpson, PhD, ATP; Ned Kirsch, PhD; Debra Schreckenghost, MS; Stephen Hayashi, BS
- 523 New technique for real-time interface pressure analysis: Getting more out of large image data sets
Kath Bogie, DPhil; Xiaofeng Wang, PhD; Baowei Fei, PhD; Jiayang Sun, PhD
- 537 Toward real-time detection of deep tissue injury risk in wheelchair users using Hertz contact theory
Limor Agam, MSc; Amit Gefen, PhD
- 551 Validation of use of wireless monitors to measure levels of mobility during hospitalization
Cynthia J. Brown, MD, MSPH; David L. Roth, PhD; Richard M. Allman, MD
- 559 Evaluation of psychometric properties of Walking Impairment Questionnaire in overweight patients with osteoarthritis of knee
Eileen Collins, PhD, RN; Susan O'Connell, MHA, RN; Christine Jelinek, MS; Scott Miskevics, BS; Elly Budiman-Mak, MD
- 567 Influence of marker models on ankle kinematics in persons with partial foot amputation: An investigation using a mechanical model
Michael Dillon, PhD, BPO(Hons); Andrew H. Hansen, PhD; Stefania Fatone, PhD, BPO(Hons)

- 577** Ambulation monitoring of transtibial amputation subjects with patient activity monitor versus pedometer
Nancy L. Dudek, MD, MEd; Omar D. Khan, MD; Edward D. Lemaire, PhD; Meridith B. Marks, MD, MEd; Leyana Saville
- 587** Electroacupuncture may help motor recovery in chronic stroke survivors: A pilot study
Wen Liu, PhD; Mukul Mukherjee, PT; Chao Sun, MD; Hongzeng Liu, PhD; Lisa K. McPeak, MD
- 597** Prevalence and characteristics of dual sensory impairment (hearing and vision) in a veteran population
Sherri L. Smith, PhD; Loren W. Bennett, OD, MPH; Richard H. Wilson, PhD
- 611** Accuracy of uniaxial accelerometer in chronic obstructive pulmonary disease
Marilyn L. Moy, MD, MSc; Eric Garshick, MD, MOH; Kirby R. Matthes, BS; Robert Lew, PhD; John J. Reilly, MD
- 619** Reliability and validity of World Health Organization Quality of Life-100 in homeless substance-dependent veteran population
Elizabeth Garcia-Rea, PhD; James P. LePage, PhD
- 627** Effective methods of pelvic plexus nerve and bladder stimulation in anesthetized animal model
Larissa Bresler, MD; James S. Walter, PhD; Andrew Jahoda, MD; John S. Wheeler, MD; Thomas Turk, MD; Robert D. Wurster, PhD
- 639** A 24-hour feasibility study of intraurethral valved catheter for bladder management in males with spinal cord injury
Bradley G. Orris, MD; Andrew E. Jahoda, MD; James S. Walter, PhD; Bernard N. Nemchausky, MD; Rafael Wurzel, MD; Harvey D. Homan, PhD; Sally Melloy, LPN; John S. Wheeler, MD

Back Matter

- 647** RERC Announcement
- 649** Guidelines for Contributors (Abbreviated Version)