JRRD Volume 50 • Number 1 • 2013

CONTENTS

i Title

iii Masthead

vii From the Editor's Desk
Johanna L. Gribble, MA

xiii Letters to the Editor

xv Then & Now

xvi Twenty years of progress. . . An editorial
Robert E. Stewart, DDS

xvii VA Prosthetic and Sensory Aids Service–65 Years of Progress
Lucille Beck, PhD

xix *JRRD At a Glance*

SCIENTIFIC/TECHNICAL ARTICLES

1 Report of traumatic brain injury information sources among OIF/OEF Veterans undergoing polytrauma evaluations
Robert J. Spencer, PhD; Adam P. McGuire; Heather A. Tree, PhD; Brigid Waldron-Perrine, PhD; Percival H. Pangilinan, MD; Linas A. Bieliauskas, PhD

7 Combat blast injuries: Injury severity and posttraumatic stress disorder interaction on career outcomes in male servicemembers
Susan L. Eskridge, PT, PhD; Caroline A. Macera, PhD; Michael R. Galarneau, MS; Troy L. Holbrook, PhD; Susan I. Woodruff, PhD; Andrew J. MacGregor, PhD; Deborah J. Morton, PhD; Richard A. Shaffer, PhD

17 Effect of extremely low frequency magnetic field in prevention of spinal cord injury-induced osteoporosis
Jayanand Manjhi, PhD; Suneel Kumar, MSc; Jitendra Behari, PhD; Rashmi Mathur, PhD

31 Examination of anticipated chemical shift and shape distortion effect on materials commonly used in prosthetic socket fabrication when measured using MRI: A validation study
Mohammad Reza Safari, PhD; Philip Rowe, PhD; Arjan Buis, PhD

43 Mechanical and biomechanical analysis of a linear piston design for angular-velocity-based orthotic control
Edward D. Lemaire, PhD; Reza Samadi, MASc; Louis Goudreau, PEng; Jonathan Kofman, PhD, PEng

53 Can static interface pressure mapping be used to rank pressure-redistributing cushions for active wheelchair users?
James Hollington, MSc; Susan J. Hillman, MSc

VA HEALTH CARE Defining EXCELLENCE in the 21st Century

61 Use of powered mobile arm supports by people with neuromuscular conditions
Arun Kumar, MSc, BSc; Margaret Frances Phillips, MD

71 Compensatory arm reaching strategies after stroke: Induced position analysis
Wei Liu, PhD; Sandy McCombe Waller, PT, PhD; Thomas M. Kepple, MS; Jill Whitall, PhD

85 Interaction of poststroke voluntary effort and functional neuromuscular electrical stimulation
Nathaniel Makowski; Jayme Knutson, PhD; John Chae, MD; Patrick Crago, PhD

99 Minimal effects of visual memory training on auditory performance of adult cochlear implant users
Sandra I. Oba, MS; John J. Galvin III, BA; Qian-Jie Fu, PhD

111 Characteristics of the audiometric 4,000 Hz notch (744,553 veterans) and the 3,000, 4,000, and 6,000 Hz notches (539,932 veterans)
Richard H. Wilson, PhD; Rachel McArdle, PhD

133 Comparing routine neurorehabilitation program with trunk exercises based on Bobath concept in multiple sclerosis: Pilot study
Ilke Keser, PhD, PT; Nuray Kirdi, Prof PhD, PT; Aydin Meric, PhD, PT; Asli Tuncer Kurne, Assoc Prof MD; Rana Karabudak, Prof MD

BACK MATTER

141 Author Index

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