



Volume 36, Number 3
July 1999

[Masthead](#)

[Guidelines for Contributors](#)

[Clinical Relevance for the Veteran](#)

[Guest Editorial:
Edward Taub, PhD](#)

[Editor's Note
Tamara T. Sowell](#)

[Previous Issues of JRR&D](#)

[Search RR&D Publications](#)

Scientific/Technical Articles

155 Issues of importance reported by persons with lower limb amputations and prostheses

Marcia W. Legro, PhD; Gayle Reiber, MPH, PhD; Michael del Aguila, PhD; Megan J. Ajax, BS; David A. Boone, CP, MPH; Jerrie A. Larsen, RN, CRA; Douglas G. Smith, MD; Bruce Sangeorzan, MD

164 Prosthetic loading during kneeling of persons with transfemoral amputation

Evangelos A. Magnissalis, PhD; Stephan E. Solomonidis, BSc, CEng, FIMechE; William D. Spence, MSc; John P. Paul, PhD, Feng; Saeed Zahedi, BSc

173 Effects of age and functional limitation on leg joint power and work during stance phase of gait

Chris A. McGibbon, PhD and David E. Krebs, PhD, PT

183 Gait characteristics of individuals with multiple sclerosis before and after a 6-month aerobic training program

Mary M. Rodgers, PhD, PT; Janet A. Mulcare, PhD; Deborah L. King, PhD; Thomas Mathews, MD; Satyendra C. Gupta, MD; Roger M. Glaser, PhD

189 Temperature effects on surface pressure-induced changes in rat skin perfusion: Implications in pressure ulcer development

Suryachandra Patel, MD, PhD; Charles F. Knapp, PhD; James C. Donofrio, PhD; Richard Salcido, MD

202 Transcutaneous oxygen tension in subjects with paraplegia with and without pressure ulcers: A preliminary report

Mon Hsia Liu, BS; David R. Grimm, EdD; Victoria Teodorescu, MD; Steven J. Kronowitz, MD;

207 Knee kinetics during functional electrical stimulation induced cycling in subjects with spinal cord injury: A preliminary study

John C. Franco, MD, MS; Karen L. Perell, PhD; Robert J. Gregor, PhD; A.M. Erika Scremin, MD

217 The robotized workstation "MASTER" for users with tetraplegia: Description and evaluation

Michel Busnel, MD; Riadh Cammoun, ENG; Françoise Coulon-Lauture, ENG; Jean-Marie Détriché, PhD; Gérard Le Claire, MD; Bernard Lesigne, PhD

230 Multiresolutional modification of speech signals for listeners with hearing impairment

Osman Erogul, MSc, PhD and Irfan Karagöz, MSc, PhD

Clinical Reports

237 Constraint-Induced Movement Therapy: A New Family of Techniques with Broad Application to Physical Rehabilitation--A Clinical Review

Edward Taub, PhD; Gitendra Uswatte, MA; Rama Pidikiti, MD

252 Three-dimensional Foot Modeling and Analysis of Stresses in Normal and Early Stage Hansen's Disease with Muscle Paralysis

Shanti Jacob, PhD and Mothiram K. Patil, DSc

264 New On-line Parameters for Analysis of Dynamic Foot Pressures in Neuropathic Feet of Hansen's Disease Subjects

Mahesh M. Bhatia, MS and K.M. Patil, DSc