Scholarly Activities
Department of Physical Medicine and Rehabilitation
September – November 2013

REGULAR FACULTY

James Atchison:
Presentations:  2013 AAPM&R – Washington, DC
“Recent Studies that You Should Know About on Opioid Management of Non-Malignant Pain”
“Thoracic Manipulation in the treatment of Neck, Shoulder and Mid-back pain”
“Implementing Changes in Opioid Prescribing: Applying REMS Principles to Clinical Practice”
Presented “New Approaches and Treatment Considerations in Mild-to-Moderate Musculoskeletal Pain” AMCP-Nexus 2013 Meeting, Symposium, San Antonio, TX October 17, 2013
Lectures: Schwab Rehabilitation Hospital, October 24: Opioid Management & Rational Polypharmacy for Pain

Patrick Barrett:
Poster “Scapular Winging Due to Dorsal Scapular Mononeuropathy: A Case Report”, presented at the AAPM&R meeting, October 2013

Nenad Brkic:
Poster “Sympathotonic Orthostatic Hypotension after a Case of Herpes Simplex Encephalitis: A Case Report”, Academy of PM&R Annual Meeting, National Harbor, MD, October 3-6
Poster "Postencephalitic Parkinsonism in Acute Inpatient Rehabilitation: A Case Report”, Academy of PM&R Annual Meeting, National Harbor, MD, October 3-6
Committee Member, RIC Lab and X-Ray Committee (Chair), Medical Records, Medical Executive Committee and Medical Care Committee

Ellen Casey:
Manuscript accepted for publication to Medicine & Science in Sports & Exercise: The Muscle Stretch Reflex throughout the Menstrual Cycle. MSSE-D-13-00187R3
Presentations at the Academy of PM&R Annual Meeting, National Harbor, MD, October 3-6:
“Pilates for Physiatrists”
“The Female Athlete Triad”
“Ask the Experts: The Female Athlete Triad and Stress Fractures” - Moderator
“Best Musculoskeletal Paper Presentations” – Moderator
Poster: “Femoral Neuropathy after Patellar Dislocation”

**Leora Cherney:**


Cherney, L. R. From the clinic to the lab and back again. Invited presentation. Academy of Neurologic Communication Sciences and Disorders Annual Scientific and Business Meeting, Chicago, IL (November, 2013).


Deborah Gaebler:
Received the Pathways.org Pioneer Award, November 18, Chicago


Courses
FACTORS THAT INFLUENCE EFFECTIVENESS OF ROBOTIC-ASSISTED THERAPIES IN CHILDREN WITH CEREBRAL PALSY - American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting - Milwaukee, WI - October 16-19, 2013


BACK TO BASICS - STRETCHING COMBINED WITH EXERCISING- American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting - Milwaukee, WI - October 16-19, 2013


Scientific Posters


Outcome in Children with Cerebral Palsy Undergoing Adductor Myotomy: Caregiver Responses on the RIC Care and Comfort Questionnaire - American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting - Milwaukee, WI - October 16-19, 2013

**Demonstration Posters**


OFF-AXIS ELLIPTICAL TRAINING TO REDUCE GAIT ABNORMALITIES IN CHILDREN WITH CEREBRAL PALSY - American Academy of Cerebral Palsy and Developmental Medicine Annual Meeting - Milwaukee, WI - October 16-19, 2013

**Presentation**


Robots to the Rescue – Pediatric Neurorehabilitation Symposium – Hocoma – Chicago, IL – October 15, 2013

Clinical Use of the Intelligent Stretcher – American Academy of Physical Medicine & Rehabilitation Annual Meeting – National Harbor, MD - October 3-6, 2013

**Anita Halper:**

Poster “Creating a Framework to Ensure Translation of Evidence to Clinical Practice in Speech-Language Pathology” by Doreen Kelly Izaguirre, Anita S. Halper, Julia Carpenter and Anne Marie Doyle was presented at the 2013 ASHA convention in November in Chicago. This poster has been designated as a Meritorious Poster Submission. It was among those posters that received the highest ratings from reviewers across both submission categories of professional education and research. Only 53 out of 1,634 posters (3%) were selected for this recognition.

**Norman Harden:**


Abousaad, E.; Connolly, S.; Kirsling, A.; Kuroda, MM.; Harden, RN. Non-Pharmacological Treatment for Chro

**Allen Heinemann:**

Ryan Williams, Allen Heinemann, Charles Bombardier, Catherine Wilson, Jesse Fann, Linda Lazowski: manuscript accepted for publication - Identifying Depression Severity Risk Factors in Persons with Traumatic Spinal Cord Injury. Rehabilitation Psychology.


Wong, AWK, Heinemann, AW, Miskovic, A, Semik, P, & Snyder, TM. Feasibility of computerized adaptive testing for collection of patient-reported outcomes following inpatient rehabilitation. Manuscript submitted to Archives of Physical Medicine and Rehabilitation. (under review)


**Mark Huang:**

Course presentation: “Why Performance Measures and Clinical Practice Guidelines are Important to You and Your Practice”, AAMP&R Annual Meeting, October 4
Arun Jayaraman:
Co-Investigator: NIDRR RERC M&M Quantifying Real-World Community Mobility and Social Interaction of Individuals after Stroke Using Mobile Phone Technology

Co-Investigator: NIDRR RERC M&M Effect of Mobility Training using Robotic Exoskeletons on Functional Recovery in Individuals with Severe Stroke

Co-Investigator: NIDRR-RERC-TIDI- Project D4 – Optimizing time distribution of training sessions for robotic exoskeletons use in individuals with spinal cord injury

Awarded a grant from Honda: Honda’s Stride Management Assist (SMA) Device Vs. traditional impairment based physical therapy (IPT) on functional walking ability in outpatient stroke rehabilitation

Awarded a grant from the DoD: Monitoring metabolic energy expenditure via the prosthesis of lower extremity amputees

Awarded a grant from Ottobock: Impact of the Stance Control Orthosis (SCO) Vs. C-brace on functional outcomes in individuals with neurological disorders

Christina Marciniak:
Ny-Ying Lam, Christina M. Marciniak, Déjà vu as a Side Effect of Intrathecal Baclofen Administration: A Case Report, PM&R, Volume 5, Issue 9, Supplement, September 2013, Page S245, ISSN 1934-1482


Articles
Committee Service:
Board of Directors Meeting: American Board of Electrodiagnostic Medicine
October 2013

Examination Committee Meeting: American Board of Electrodiagnostic Medicine
October 2013

Program Committee Meeting: American Academy of PMR
October 2013

Editorial Board Service:
Editorial Board Meeting: Archives of Physical Medicine and Rehabilitation
November 2013

Priya Mhatre:

Sue Mukherjee:
Abstract accepted as a poster to AACPDM, October 2013: “Measuring Obesity in Spina Bifida: A Quality Improvement Effort”

Joel Press:
Committee Service:
   Exercise Committee – North American Spine Society
   Corporate Relations Committee – AAPM&R
   Section Editor – American Journal of PMR
   Reviewer – European Spine Journal, The Spine Journal

Christopher Reger:

“Lower Extremity Prosthetic Fitting in the Medically Complex Patient. NUPOC Prosthetic Course, October 31

Gadi Revivo:

**Monica Rho:**

Cushman D, Market M, Rho M. Performance trends in large 10 kilometer road running races in the United States. (Accepted *Journal of Strength and Conditioning Research*)


**Elliot Roth:**
Received the Edward Lowman Award from the American Congress of Rehabilitation Medicine, in recognition of “an energetic promotion of the spirit of interdisciplinary teamwork in rehabilitation” on November 15 at the ACRM Meeting in Orlando

**Zev Rymer:**
Participated in the Neilsen Foundation Study Section Cycle Tow, September 910, Philadelphia

Member, Hocoma Scientific Advisory Board, September 13-15, Zurich, Switzerland


IEEE EMBS Conference on Neural Engineering, November 6-8, San Diego

**Gayle Spill:**
Poster Presentation at the John & Gwen Smart Symposium, the Buehler Center of Northwestern, October 21
Poster presentation: “Preparing for Paralysis – Rehabilitation for A Rare Metastatic Meningioma: A Case Report”, Academy of PM&R Annual Meeting, National Harbor, MD, October 3-6

Steven Stanos:

RESEARCH FACULTY

Edie Babbitt:

Anne Deutsch:


Abstract: DeMark Neumann H, Deutsch A. Limitations of a Rehabilitation Efficiency Measure. (accepted – ACRM November, 2013)


Chair, ACRM Award Committee

**Linda Ehrlich-Jones:**


Abstract reviewer, Midwest Nursing Research Society Annual Conference
Abstract reviewer, Society of Behavioral Medicine Annual Conference
Grant reviewer, Retirement Research Foundation
Internal reviewer for Buehler Center PCORI grant
Levi Hargrove:  


Rosemarie King:  
Received the 2013 CVSN Stroke Article of the Year Award sponsored by the Council on Cardiovascular and Stroke Nursing (CVSN) and the Stroke Council of the AHA/ASA. The award will be presented during the CVSN Annual Council Dinner Nov 19 at the American Heart Association's Scientific Sessions 2013 in Dallas, Texas
Reappointed: Stroke Nursing Committee of the AHA/ASA Council on Cardiovascular & Stroke Nursing 2013-2015

Renee Theiss:
NIH R15 Research Grant (P.I.), "Neural Mechanisms of Hyperexcitable Reflexes in Human Chronic Spinal Cord Injury"

Presented “Effects of therapeutic muscle stretching intervention on upper extremity hyperexcitable deep tendon reflexes in human chronic spinal cord injury”, 2013 Society for Neuroscience, November 11, San Diego

ADJUNCT / OTHER FACULTY

William Armstrong:
Received certification as a Master Trainer for the World Health Organization's (WHO) Wheelchair Service Training Package (WSTP). This training program was developed by the WHO with support from the USAID and is based on the WHO’s 2008 Guidelines on the provision of manual wheelchairs in less resourced settings (http://www.who.int/disabilities/publications/technology/wheelchairguidelines/en/). Mr. Armstrong was a primary author on these guidelines and in the coming months he will conduct 5-day train-the-trainer programs in both El Salvador and Peru.

Mr. Armstrong also serves on a MSH work group which is developing an assessment tool which will be utilized to ensure that personnel involved in wheelchair service delivery have the essential minimum skills and knowledge. Both the training events and the work group activities are conducted with support from the USAID.

Kristi Kirschner:


“Developing and testing models of care delivery for ventilator-assisted individuals in a community setting,” in session on Transition from Hospital to Home: setting Up the Home-Based Ventilation Patient for Success. CHEST 2013 meeting, Chicago IL. October 27, 2013.

“Medical ethics of disability in the cerebral palsy patient’s pediatric to adult transition,” in session on Respiratory Care in Cerebral Palsy. CHEST 2013 meeting, Chicago IL. October 27, 2013.
Lee Miller:


Presentation, 5th International Brain Computer Interface meeting, workshop chair, “Causing a sensation: Development of a somatosensory afferent interface for BCI users”, Asilomar, CA, June 6, 2013

Presentation, International Neural Modulation Society, Berlin, Germany, June 8, 2013

Presentation, Neuroscience Program Seminar, Dominican University, River Forest, IL, October 3, 2013


Citlali Lopez-Ortiz:
Poster presentation: “Motor Learning in Virtual reality as a Marker for Spasticity and Dystonia”, 67th Annual Meeting of the AACPDM, Milwaukee October 16-19

Diane Rowles:
Presentations – Advanced Physical Assessment for Pain Practice, American Asso. Of Nurse Anesthetists, October 11:
“Strength and Reflex Testing”
“Facet and Axial Spine Pain”
“Radicular Spine Pain”
“Spine Pain ... Putting It all Together”

Presented “Managing and Teaching Sexuality and Fertility for People with SCI” FSM PM&R Residents, October 25

Presented “Sexuality and Physical Disabilities”, CRRN Review Course, November 1

Presented “Spinal Cord Injury in the NSICU”, Rush University NSICU Staff Inservice, October 1
Teresa Savage:


Matthew Sorenson:
Associate Editor, Journal of Spinal Cord Medicine

NU/PM&R PROSTHETICS AND ORTHOTICS CENTER

Publications:


Presentations:


Dillon M, Fatone S (2013) Deliberations about the functional benefits and complications of partial foot amputation. Invited Presentation, 21st Annual Scientific Meeting of the Australasian Faculty of Rehabilitation Medicine, September 17-20, Sydney, Australia.


Invited Presentations:

Stefania Fatone, PhD, BPO(Hons), was invited to present at the ISPO UK Member Society Annual Scientific Meeting held in Blackpool, UK. Dr. Fatone presented the OETT lecture, sponsored annually by the Orthotic Education and Training Trust (See http://www.oett.org.uk/). Dr. Fatone spoke on “Use of Orthoses in Stroke Rehabilitation – Current Research.”

Stefania Fatone, PhD, BPO(Hons), was invited to present at the International Society of Prosthetics & Orthotics (ISPO) Norway Member Society Seminar on Lower Limb Socket Design and Rehabilitation held in Oslo, Norway. Dr. Fatone gave two lectures based on US Department of Defense (DOD) funded research: “Development of Subischial Sockets for Persons with Transfemoral Amputation” and “Evaluation of Subischial Sockets for Persons with Transfemoral Amputation.”

Grant Submissions:


**Letter of Intent Submissions:**


