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Department of Physical Medicine and Rehabilitation  
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## **Education and Training**

September, 1976 – May, 1980	Miami University, Oxford, OH
September, 1980 – June, 1984	M.D., University of Cincinnati College of Medicine
July, 1984 – June, 1987	Internal Medicine The Christ Hospital, Cincinnati, OH
July, 1987 – June, 1990	Physical Medicine and Rehabilitation University of Michigan, Ann Arbor, MI

## **Certification and Licensure**

### Board Certifications:

1987 American Board of Internal Medicine  
1991 American Board of Physical Medicine and Rehabilitation  
1993 American Board of Electrodiagnostic Medicine

### Licensure:

1985 National Board of Medical Examiners  
1986 Ohio Permanent License (#052217)  
1987 Michigan Permanent License (#051649)

## **Academic Appointments:**

August, 1990 – September, 1995	Lecturer, Department of Physical Medicine and Rehabilitation, University of Michigan Medical Center
July, 1990 – June, 1999	Assistant Residency Program Director, Department of Physical Medicine and Rehabilitation, University of Michigan Medical Center

September, 1995 – August, 2002      Assistant Professor, Department of Physical  
Medicine and Rehabilitation, University of  
Michigan Medical Center

September, 2002 - present      Associate Professor, Department of Physical  
Medicine and Rehabilitation, University of  
Michigan Medical Center

### **Clinical Appointments:**

1990-present    Staff Physician, Rehabilitation Medicine Service,  
Veterans Administration Medical Center, Ann Arbor, MI

1993-1999      Medical Director, Inpatient Rehabilitation Service,  
University of Michigan Medical Center, Ann Arbor, MI

2007 -          Co-Director, Electrodiagnostic Laboratory, University of Michigan Health  
Systems, Ann Arbor, MI

### **Scientific Activities**

1999 - Ad hoc reviewer, Muscle & Nerve

1999 - Ad hoc reviewer, Archives of Physical Medicine and Rehabilitation

1999    Editorial Board, Clinical Biomechanics

2002    Ad hoc reviewer, Women's Health in Primary Care

2003    Ad hoc reviewer, Journals of Gerontology: Medical Science

2003 - 2006    Editorial Board, American Journal of Physical Medicine and  
Rehabilitation

2003    Ad hoc reviewer for American College of Physicians Physicians' Information and  
Education Resource (electronic web-based decision support tool); Rotator Cuff  
Tendonitis Module.

2004-    Research Committee, Association of Academic Physiatrists

2004    Ad hoc reviewer, Diabetes Research and Clinical Practice

2004    Ad hoc reviewer, Consortium for Spinal Cord Medicine. Clinical Practice  
Guidelines: Upper Limb Preservation.

2004    Ad hoc reviewer, Journal of Biomechanics



Institute: National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)  
Application ID: 1T32 AR059019-01  
Funding Period (if funded): July 1, 2010 -- June 30, 2015  
Total Direct Costs: \$2,064,786

Past:

1. Biomedical Research Council Bridging Program for Basic Science Research  
5/1/06 – 4/30/07 5% effort  
\$34,333  
Principal Investigator, “Feedback loop delay and postural response to perturbation during neuropathic gait”
2. Grant N008071. Allergan Pharmaceuticals, Inc. 6/1/06 – 12/31/06 0% effort  
\$2000  
Principle Investigator, “Shoulder impingement syndrome following botulinum toxin injections”
3. 1K23 AG 00989-01 06/01/00 – 05/31/05 75% effort  
NIH \$710,770  
Principal Investigator, “Peripheral Neuropathy, Sensorimotor Functions and Balance.”  
Mentored Patient-Oriented Research Career Development Award
4. 2P60 AG 08808 (Halter) 09/01/99 – 08/31/04 20% effort  
NIA \$7,106,413  
Older American Independence Center  
Principal Investigator, Intervention Development Study (IDS), “Peripheral Neuropathy, Sensorimotor Functions and Balance.”
5. Biomedical Research Support, 1991 no salary support  
University of Michigan Medical School \$9,800  
Principal Investigator, “Orthotic Shoe Modification and Walking Distance in Patients with Calf Claudication.”
6. PM & R Education and Research Foundation 1992 no salary support  
American Academy of PM & R \$5,000  
Principal Investigator, “Peripheral Neuropathy and Balance in the Elderly.”
7. Older American Independence Center 7/96 – 6/97 no salary support  
NIH \$20,000  
Principal Investigator, “Toward Reducing Falls in Elderly with Peripheral Neuropathy.”
8. 2P60 AG 08808 (Nyquist) 09/01/00 – 08/31/01 0% effort

NIH \$150,000  
Co-investigator, "Supplement to Claude D. Pepper Older Americans  
Independence Center"

## **Honors and Awards**

- 1984 Edward A. Gall Memorial Award in recognition of outstanding performance and interest in pathology, University of Cincinnati, College of Medicine
- 1989 Kathy Kielb Memorial Lecture, James Rae Day, University of Michigan, Department of Physical Medicine and Rehabilitation
- 1991 Silver Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation
- 1992 The 1992 Young Investigator Award, "Peripheral neuropathy and falls in the elderly." AAPM&R Education and Research Foundation (\$5,000)
- 1993 Recipient, "Best Scientific Research Paper Published by a Young Physiatriist in any Peer Reviewed Journal." The relationship between electromyographically documented peripheral neuropathy and falls." J Am Geriatrics Society 1992;40(10), 1008-1012. AAPM&R Education and Research Foundation, (\$2,000)
- 1993 Silver Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation
- 1995 Silver Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation
- 1996 Letter of Commendation from Medical School Dean for Excellence in Teaching M-1 students
- 1996 Silver Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation
- 1997 Silver Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation
- 1998 Gold Crutch Award for Resident Teaching, first and only recipient created for faculty receiving 5 Silver Crutch Resident Teaching Awards, University of Michigan, Department of Physical Medicine and Rehabilitation.
- 2000 K23 Mentored Patient-Oriented Research Career Development Award (see "Grant Support"), National Institute on Aging, NIH
- 2000 Silver Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation

- 2002 Platinum Crutch Award for Resident Teaching, University of Michigan, Department of Physical Medicine and Rehabilitation
- 2002 President's Research Initiative Award, (\$500) American Association of Electrodiagnostic Medicine Annual Meeting, Toronto, Canada (with co-author Sarah Jamieson, M.D.) for: Cigarette smoking and ulnar mononeuropathy at the elbow.
- 2004 Braddom Research Award, Association of Academic Physiatrists. Awarded every two years for research that has had "the most significant impact on the science and practice of Physical Medicine and Rehabilitation over the previous decade." Albuquerque, New Mexico, February 26, 2004.
- 2007 Best Abstract Award, (\$1,000) American Association of Neuromuscular and Electrodiagnostic Medicine, Phoenix, Arizona (with co-authors Jaebum Son, PhD and James Ashton-Miller, PhD) for: Unipedal balance, neuropathy, and frontal plane ankle proprioceptive thresholds.
- 2008 Excellence in Research Writing Best Paper Award, (\$500), Association of Academic Physiatrists, Anaheim, California (with co-authors, Trina R. Demott, MS, PT, Sibylle B. Theis, PhD and James A. Ashton-Miller, PhD) for: Falls and gait characteristics among older persons with peripheral neuropathy.
- 2009 Clinician Teaching Award for Resident Physician teaching, University of Michigan, Department of Physical Medicine and Rehabilitation

### **Memberships in Professional Societies**

- 1984 - Present American College of Physicians
- 1984 - 1991 American Medical Association
- 1989 - Present American Academy of Physical Medicine and Rehabilitation
- 1993 - Present American Association of Electrodiagnostic Medicine
- 1995 - Present American College of Sports Medicine

### **Teaching**

#### **Sustained Departmental Teaching Efforts\***

- 1990-2000 Course Director, Physical Medicine and Rehabilitation Resident Didactic Lecture Series. (A weekly two hour course: one hour of a guest lecturer, recruited by Dr. Richardson, and one hour of Dr. Richardson's presentation)

- 1992-97      Rehabilitation 510, Introduction to Disability and Rehabilitation Methods, course lecturer.
- 1993-98      Neuromuscular Lecture Series for EMG Residents and Fellows
- 1993- 2006    PM&R/Neurology Neuromuscular Conference: 2 to 3 lectures per year
- 2005 – 2006    Joseph Hill Lecture Series. Initiated September, 2005. A monthly or bimonthly lecture, funded to provide food for the participants, presented to resident physicians, fellows and medical students on Monday evenings.

\*refer to CV appendix for complete list of teaching activities and topics

Medical School/Graduate/Undergraduate Teaching

- 1987 - 1990    Preceptor for 3rd Year Medical Students, Department of Internal Medicine, University of Michigan Medical Center
- 1992            “Long Term Consequences of Disability Related to Vascular Disease” presented to the first year medical students, University of Michigan Medical Center, September 25, 1992
- 1994            “Peripheral Nerve Dysfunction: Clinical Manifestations and Biomechanical Effects in the Elderly.” Presented to Graduate/Undergraduate Kinesiology students. November 8, 1994
- 1994-1997    “Introduction to the Patient with Disability.” Three lecture hours over two days presented to University of Michigan First Year Medical Students annually.
- 1996            “Peripheral Neuropathy: Clinical Manifestations and Effects on Mobility.” Presented to Graduate/Undergraduate Kinesiology students as part of Motor Control and Aging Course. February 26, 1996
- 1997-1998    “Generalized and Focal Peripheral Neuropathies.” Oakland University Physical Therapy Students.
- 1997 -            “The Malignant Effects of Bedrest.” Presented to University of Michigan Third Year Medical Students, Seminars in Medicine. Presented annually.
- 1997 -            “Low Back Pain—Ten Cases.” Presented to University of Michigan Third Year Medical Students, Seminars in Medicine. Presented annually.
- 1999            Residential College, Health Services Initiative, 6A student volunteers. October 19, 1999
- 1999            Instructor for M1 Clinical Observations Course, Introduction to the Patient (ITTP). Fall 1999

- 2002 “How to screen for peripheral neuropathy among older outpatients.” M1 students for participating in a community diabetes screening project. May 7, 2002
- 2005 Instructor for M1 musculoskeletal examination module.
- 2005 Seminar participant, “Prescription drugs in America” Dr. H. Greenspan, Instructor, Residential College, University of Michigan. April 5, 2005.
- 2007 “So, you want to do research? Limbic bruising and progress” and “OK, now what? A follow-up on reaction time research” (2 hours) Rehabilitation Research Training Program Seminar March 9, 2007.
- 2008 “Common Musculoskeletal Disorders.” Presented to University of Michigan Second Year Medical Students. Decemer 9, 2008.

Inter-Departmental Teaching

- 1995 “Peripheral Neuropathy in the Geriatric Patient.” Presented to Geriatric Faculty and Fellows. February 7, 1995
- 1996 Primary Care Conference, Department of Internal Medicine, University of Michigan. “Pain in the Neck: When the Patient’s Becomes Yours.” March 5, 1996
- 1996 Primary Care Conference, Department of Internal Medicine, University of Michigan. “Approach to Low Back Pain.” March 12, 1996
- 1996 Department of Internal Medicine and Resident Physicians. “Approach to Musculoskeletal Disorders.” May 9, 1996
- 1997 “The Rehabilitation of Chronic Shoulder Pain.” Presented to Rheumatology faculty and fellows. April 2, 1997
- 1998 “The Effects of Peripheral Neuropathy on Mobility.” Presented to Divisions of Physical and Occupational Therapy. January 15, 1998
- 1998 “Low Back Pain—Ten Cases.” Presented to Internal Medicine Resident Physicians, Department of Internal Medicine. May 7, 1998
- 1998 - 2002 Internal Medicine Resident Physician Clinic Rotation. Resident physicians from the Department of Internal Medicine rotate through Physical Medicine and Rehabilitation Outpatient Clinic with Dr. Richardson

- 1999 "Shoulder Pain: Diagnosis and Pathophysiology." Internal Medicine Outpatient Conference. October 18, 1999
- 2000 "Expanding Shoulder Pain." Internal Medicine Ambulatory Care Conference. March 13, 2000 and July 19, 2000
- 2000 "Neck and Shoulder Pain." Rheumatology Clinical Care Conference. March 22, 2000
- 2000 "The Evolution of Low Back Pain Over Time." Rheumatology Clinical Care Conference. April 26, 2000
- 2001 "Peripheral Neuropathy and Postural Instability Among Older Persons." Department of Neurology Grand Rounds. January 24, 2001
- 2001 "Repetitive Motion Injury." University Health Services Educational Conference. February 8, 2001
- 2001 "Low back pain—Clinical Identification of Pain Generators." Internal Medicine Departmental Conference. April 4, 2001
- 2001 "Clinical diagnosis and novel therapies for carpal tunnel syndrome." Neurology Resident Physician and Student Conference. June 7, 2001
- 2001 "Clinical Clues to Causes of Low Back Pain." Department of Neurology Grand Rounds. October 31, 2001.
- 2002 "Why doesn't this patient have carpal tunnel syndrome?" Internal Medicine Resident Physician Ambulatory Care Conference. January 24, 2002.
- 2002 "Low back pain--historical and physical examination clues to source." Internal Medicine Departmental Conference. Noon, April 22, 2002.
- 2002 "Why is this patient falling?" Internal Medicine Resident Physician Ambulatory Care Conference. September 26, 2002.
- 2003 "Peripheral neuropathy, sensorimotor function and balance." Neurology Grand Rounds. October 29, 2003.
- 2004 "Low back pain...is not a diagnosis" Rackum Arthritis Research Unit Lecture, Division of Rheumatology, Department of Internal Medicine January 7, 2004.
- 2005 "The impact of peripheral neuropathy on gait and balance in older persons" Institute of Gerontology/Division of Geriatric Medicine. March 17, 2005.

### Continuing Medical Education Courses

- 1991 Cumulative Trauma Disorders Conference, Ford Motor Company, “Thoracic Outlet Syndrome”, “Anatomy/Physiology of the Lumbosacral Spine”, “When is Back Pain Something Else?”, Dearborn. March 4-6, 1991
- 1991 Fitness to Work: Occupational Medicine and Legal Issues Conference, “Examination of the Lumbosacral Spine”, University of Michigan Medical Center. November 18-20, 1991
- 1994 Critical Clinical Issues in the Care of Care of the Elderly--Maintaining and Improving Mobility  
 1) Outpatient Lower Extremity Rehabilitation: Greasing the Wheels. September 8, 1994  
 2) Moderator of Video-Based Panel Discussion on Rehabilitation/Prevention of Falls. September 9, 1994
- 1995 Family Practice Spring Review Course. “Outpatient Lower Extremity Rehabilitation,” Geriatrics subsection. University of Michigan Medical Center. March 21, 1995
- 1996 “Physiology of Bladder Control.” Presented to University Health Care Subacute Rehabilitation Facility, Livonia. April 10, 1996
- 1997 “A Familial Predisposition Toward Lumbar Disc Injury.” James Rae Day Educational Conference, Ann Arbor. May 9, 1997
- 1997 Rehabilitation Nurses Conference. “Neuropharmacology of Brain Injury.” Ann Arbor. May 16, 1997
- 1997 “Pathobiomechanical Gait in Diabetes and Other Neuropathies.” Presented at regional orthotics/prosthetics conference, The Diabetic/Neuropathic Boot, Ann Arbor. August 1, 1997
- 1998 Rehabilitation Nurses Conferences, “Neuropharmacology of Brain Injury.” Home Hospital, Lafayette, IN. January 23, 1998
- 1998 Rehabilitation Nurses Conference. “The Malignant Effects of Immobility”, Ann Arbor. May 15, 1998
- 1999 Rehabilitation Nurses Conference. “Fever on the Inpatient Rehabilitation Unit—When to Worry” Ann Arbor. May 14, 1999
- 2000 James W. Rae Scientific Day Lecture. “Peripheral Neuropathy and Balance—Like a Surgeon” Ann Arbor. April 14, 2000
- 2000 Rehabilitation Nurses Conference. “Focal Neuropathies Associated with Inpatient Rehabilitation” Ann Arbor. May 19, 2000

- 2000 Internal Medicine Spring Review Course. “Repetitive Strain Injury.”  
University of Michigan Health System. May 5, 2000
- 2002 “Rehabilitation of the elderly patient with neuropathy.” In: “Recent advances  
in geriatric neurology: dementia, stroke, movement disorders and neuropathy.”  
Towsley Center, University of Michigan CME course. September 27, 2002.
- 2002 James W. Rae Scientific Day Lecture. “Among older patients with peripheral  
neuropathy, who falls?” Ann Arbor. May 3, 2002
- 2003 Spring update in Internal Medicine, 31<sup>st</sup> annual. “Management of low back  
pain.” Towsley Center, University of Michigan, Ann Arbor, MI. May 1,  
2003
- 2003 Rehabilitation Nurses Conference. “Peripheral nerve function, balance and  
the rehabilitation patient.” Ann Arbor. May 16, 2003
- 2004 James W. Rae Scientific Day Lecture. “Insights from the (bumpy) road less  
traveled.” Ann Arbor, May 7, 2004.
- 2006 James W. Rae Scientific Day Lecture. “A trio of updates.” Ann Arbor, May  
5, 2006.
- 2008 Bone & Joint Injury Prevention & Rehabilitation Center Head Injury and  
Concussion Symposium. “Can a clinical measure of reaction  
time predict a sports-specific protective response?” Ann  
Arbor, MI August 4, 2008.
- 2009 James W. Rae Scientific Day Lecture. “A trio of updates II.”  
Ann Arbor, April 24, 2009.

## **Committee, Organizational, and Volunteer Service**

### Institutional

- 1990-98 Resident Selection Committee
- 1991-95 Research Advisory Committee
- 1993-95 Promotions and Tenure Committee
- 1993-99 Chair of Inpatient Rehabilitation Unit Administrative Committee
- 1993-99 Internal review of residency program; residency education subcommittee

2007 - Co-Director Electrodiagnostic Laboratory (with James Teener, M.D., Dept of Neurology)

### National

1999 Oral Examiner, American Board of Physical Medicine and Rehabilitation, Rochester, MN. May 22-23, 1999

2007 - Research Committee, American Association of Neuromuscular and Electrodiagnostic Medicine

### Community Education

1997 Thirty minute television presentation discussing falls in the elderly on "Safety Matters." Taped March 1997

1998 Pamphlet "Peripheral Neuropathy—Some Commonly Asked Questions" created and distributed nationally in response to television airing of research on neuropathy and balance.

### **Visiting Professorships, Seminars, and Extramural Invited Presentations**

#### Regional

1988 "Clues to Malignant Back Pain", Guest Lecturer, The Christ Hospital, Cincinnati, OH. October 1988

1989 "EMG for the Internist", Guest Lecturer, The Christ Hospital, Cincinnati, OH. May 1989

1990 "NSAIDS: Mechanisms of Efficacy and Side Effects", Guest Lecturer, Rehab Institute of Michigan, Detroit. December 1990

1995 University of Michigan Allied Health Seminar. "Somatosensory Influences on Postural Stability." September 12, 1995

1995 "Evidence for Environmental Influence on Recovery from Brain Injury." Guest Lecturer, University Health Care Center Subacute Rehabilitation Facility, Livonia. September 13, 1995

1995 "Neurophysiology and Management of Spasticity." Presented to Huron Valley District OT Association Conference, Ypsilanti. October 14, 1995

1995 "Outpatient Lower Extremity Rehabilitation: Greasing the Wheels." The Christ Hospital Internal Medicine House Staff and University of Cincinnati Medical Students, Cincinnati, OH. December 7, 1995

- 1995 The Christ Hospital Medical Grand Rounds. "Peripheral Neuropathy and Falls in the Elderly," Cincinnati, OH. December 7, 1995
- 1998 "The Effect of Peripheral Neuropathy on Mobility in the Elderly." Grand Rounds, Home Hospital, Lafayette, IN. January 23, 1998
- 1998 "Peripheral Neuropathy and Postural Instability." Visiting Professor, Rehabilitation Institute of Chicago. May 13, 1998
- 2000 "Peripheral Neuropathy and Postural Instability" and "Clinical Diagnosis and Management of Low Back Pain." Visiting Professor, Indiana University, Department of Physical Medicine and Rehabilitation, Indianapolis, IN. August 3, 2000
- 2001 "Peripheral Neuropathy and Balance," The Ohio State University John H. and Ruth W. Melvin Visiting Professorship, Columbus, OH. May 7, 2001
- 2001 "Peripheral Neuropathy and Falls Among Older Persons. Visiting Professor, Michigan State University, East Lansing, MI March 5, 2001
- 2003 "Ulnar mononeuropathy at the elbow: Electrodiagnostic evaluation techniques and epidemiologic associations" and "The double crush hypothesis: Does it exist?" Visiting professor, Michigan State University, East Lansing, MI. April 21, 2003.
- 2004 "The (bumpy) road less traveled" Visiting Professor, Rehabilitation Institute of Chicago, Chicago, IL. July 7, 2004.
- 2004 "Peripheral neuropathy, gait and falls" and "Malignant effects of bedrest" Visiting Professor, University of Cincinnati, Cincinnati, OH. November 5, 2004
- 2004 "Peripheral neuropathy, gait and falls" Grand Rounds at The Christ Hospital, Cincinnati, OH. November 5, 2004
- 2004 "Peripheral neuropathy, gait and falls" and "Malignant effects of bedrest" Visiting Professor, Indiana University Department of PM & R Grand Rounds
- 2006 "Peripheral neuropathy and balance," "Three reportable cases", and "The electrodiagnosis of brachial plexopathy." Visiting Professor, Michigan State University Department of PM & R. April 17, 2006
- 2006 University of Cincinnati Department of Occupational Medicine. 1) The diagnosis of upper extremity musculoskeletal and focal neuropathic disorders 2) Risk factors for ulnar neuropathy at the elbow 3) A clinical measure of response time 4) Gait and balance in challenging environments. Visiting Professor, University of Cincinnati College of Medicine, Department of Occupational Medicine

- 2007 “Understanding and managing neuropathic gait.” William Spencer Lectureship, Presented to Baylor University and University of Texas faculty, staff and resident physicians, Houston, TX. October 12, 2007.
- 2008 “The sluggish sheepdog and the incredible shrinking foot.” Department of Physical Medicine and Rehabilitation Grand Rounds, Johns Hopkins, Baltimore, MD. September 15, 2008.

### National

- 1994 “The Relationship Between Electromyographically Documented Peripheral Neuropathy and Falls in the Elderly: Incidence, Biomechanical Factors and Treatment Strategies.” Focus Session, American Academy of PM&R, Anaheim, CA. October 11, 1994
- 1995 “Peripheral Nerve Dysfunction and Falls in the Elderly.” Primary Care Update, Interstate Postgraduate Medical Association of North America, San Francisco, CA. October 24, 1995
- 1995 “The Relationship Between Peripheral Nerve Dysfunction and Mobility Impairment.” Mini-Course, American Academy of PM&R, Orlando, FL. November 17, 1995
- 1998 “Falls in older individuals with diabetic neuropathy.” National Claude D. Pepper Older Americans’ Independence Center Meeting, Hunt Valley, MD. April 24, 1998
- 1998 “Peripheral Polyneuropathy and Balance: How Vigilant Is the Sheepdog?” Mini-course, American Academy of PM & R, Seattle, WA. November 6, 1998
- 1999 “Postural Instability, Falls and Peripheral Neuropathy Among Older Persons.” Featured guest speaker, Physiatric Section, Puerto Rico Association of Medicine, 11<sup>th</sup> Annual Conference, San Juan, Puerto Rico. September 25, 1999
- 1999 “Focal Neuropathies Common to the Geriatric Rehabilitation Population.” Featured guest speaker, Physiatric Section, Puerto Rico Association of Medicine, 11<sup>th</sup> Annual Conference, San Juan, Puerto Rico. September 26, 1999
- 1999 Course Chair, “Managing the Clinical Consequences of Peripheral Neuropathy,” American Association of Electrodiagnostic Medicine, Vancouver, British Columbia, Canada. October 7, 1999
- 1999 Course presentation, “Postural Instability and Falls Associated with Peripheral Neuropathy,” American Association of Electrodiagnostic Medicine, Vancouver, British Columbia, Canada. October 7, 1999
- 2000 Course Chair, “Clinical Management of Peripheral Neuropathy,” American Academy of Physical Medicine and Rehabilitation, San Francisco, CA. November 4, 2000

- 2001 "The Malignant Effects of Bedrest," American Academy of Physical Medicine and Rehabilitation, New Orleans, LA. September 14, 2001 (Course accepted but meeting cancelled.)
- 2001 "Effect of Peripheral Neuropathy on Balance," in: "Balance and Falls Assessment: Low Tech to High Tech, Peripheral Neuropathy and Alternative Considerations." T Kauffman, Seminar Director. Gerontologic Society of America, Chicago, IL, November 17, 2001.
- 2002 "Peripheral Neuropathy and Falls: Mechanism and Interventions." Hartford Lectureship, Harvard University, Spaulding Rehabilitation Hospital, Boston, MA. April 26, 2002.
- 2002 "Risk Factors for Ulnar Mononeuropathy at the Elbow." Guest speaker, American Association of Electrodiagnostic Technicians, Toronto. October 11, 2002.
- 2002 "Neurologic mechanisms and falls: the role of ankle power." In Course 106: Muscle power, mobility and aging: the cutting edge between sports medicine and geriatrics. American Academy of Physical Medicine and Rehabilitation, Orlando, FL. November 21, 2002.
- 2002 "Malignant effects of bedrest." In Course 132: The evaluation and management of the ICU patient. American Academy of Physical Medicine and Rehabilitation, Orlando, FL. November 22, 2002.
- 2002 "Double crush syndromes: do they exist?" In Course 169: Advanced concepts in the evaluation of focal upper extremity compression neuropathies. American Academy of Physical Medicine and Rehabilitation, Orlando, FL. November 23, 2002
- 2002 "Ulnar neuropathy at the elbow." In Course 169: Advanced concepts in the evaluation of focal upper extremity compression neuropathies. American Academy of Physical Medicine and Rehabilitation, Orlando, FL
- 2003 "Peripheral neuropathy and balance: How vigilant is the sheepdog?" American Geriatric Society/Hartford Foundation sponsored Visiting Professor Lecturer to University of Colorado, Department of Physical Medicine and Rehabilitation, Denver, CO. June 18, 2003.
- 2003 "Diabetic neuropathy: Functional impairment and rehabilitation." American Association of Electrodiagnostic Medicine, San Francisco, CA. September 19, 2003
- 2003 "Functional limitations associated with diabetic neuropathy." American Academy of Physical Medicine and Rehabilitation, Chicago, IL. October 10, 2003.
- 2005 "The use of the computer to enhance research productivity" Association of Academic Physiatrists, Tucson, AZ. February 24, 2005

- 2005 “Mid-career research autobiography” Association of Academic Physiatrists, Tucson AZ. February 26, 2005
- 2005 “Peripheral neuropathy and balance: How vigilant is the sheepdog?” Presented at “Evidence-based strategies for patients falls and wandering” University of South Florida, Tampa, FL. May 11, 2005
- 2006 “Peripheral neuropathy and falls.” Presented at “Transforming fall prevention practices” University of South Florida, Tampa, FL. April 25, 2006.
- 2006 - Gait analysis. American Association of Neuromuscular and Electrodiagnostic Medicine, Washington, DC, October 11, 2006 and Phoenix, AZ, October 17, 2007.
- 2006 “The road less traveled: the clinical importance, biomechanics and diagnostic potential of gait on an irregular surface.” American Academy of Physical Medicine and Rehabilitation, Honolulu, Hawaii. November 11, 2006.
- 2007 “Infectious sources of radiculopathy.” Presented at American Academy of Physical Medicine and Rehabilitation, Boston, MA. September, 30, 2007.
- 2007 “The sluggish sheepdog and the incredible shrinking foot: understanding and managing neuropathic gait.” American Association of Neuromuscular and Electrodiagnostic Medicine Plenary Program, Phoenix, AZ. October 19, 2007.
- 2007 “Unipedal balance, neuropathy and frontal plane ankle proprioceptive thresholds.” American Association of Neuromuscular and Electrodiagnostic Medicine Best Abstract Presentation, Phoenix, AZ. October 20, 2007
- 2008 “My most important paper: lessons to be learned.” Association of Academic Physiatrists, Anaheim, CA. February 19, 2008.
- 2008 “Differentiating between lumbosacral plexopathy and radiculopathy.” American Association of Neuromuscular and Electrodiagnostic Medicine, Providence, RI. September 17, 2008. (am Workshop)
- 2008 “The evaluation of gait in neuromuscular disease.” American Association of Neuromuscular and Electrodiagnostic Medicine, Providence, RI. September 17, 2008. (pm Workshop)
- 2008 “Understanding and managing neuropathic gait.” American Association of Neuromuscular and Electrodiagnostic Medicine, Providence, RI. September 19, 2008. (Neuromuscular Update Session)

## Mentoring

- 1990-91 Third year medical student, Christopher Ching
- 1994 Physical Medicine and Rehabilitation resident physician, Valerie Vullo, M.D.
- 1995-96 Third year medical student, Thomas Chung
- 1996 Summer fellowship, then first year medical student, Denise Dealva
- 1997 Physical Medicine and Rehabilitation resident physician, Alan Ross, M.D.
- 1998 Musculoskeletal Fellow, Glenn Forman, M.D.
- 1998 Summer fellowship, first year medical student, Steven Vela
- 1998 Undergraduate student, Dave Sandman
- 1999 Physical Medicine and Rehabilitation resident physician, Donald Green, M.D.
- 2000 Department of Biomedical Engineering, Ph.D. Candidate, Sibylle Thies, M.S.  
PhD awarded September, 2004.
- 2004 Department of Biomedical Engineering PhD Candidate, JaeBum Son, M.S.  
PhD awarded June, 2006.
- 2005 Physical Medicine and Rehabilitation Faculty Member, James T. Eckner, M.D.

## **Bibliography**

### **Peer-Reviewed Journals and Publications**

1. **Richardson JK**, Hirsch CS: Sudden, unexpected death due to pineal apoplexy. *Am J Forensic Med and Pathol* 1986;7(1),64-68.
2. **Richardson JK**: Rocker-soled shoes and walking distance in patients with calf claudication. *Arch Phys Med Rehabil* 1991;72(7),554-558.
3. **Richardson JK**: Psychotic behavior after right hemispheric cerebrovascular accident: a case report. *Arch Phys Med Rehabil* 1992;73(4),381-384.
4. **Richardson JK**, Ching C, Hurvitz EA: The relationship between electromyographically documented peripheral neuropathy and falls. *J Am Geriatrics Society* 1992;40(10), 1008-1012.\*
5. **Richardson JK**, Evans JE, Warner JH: Information effect on the perception of pain during electromyography. *Arch Phys Med Rehabil* 1994;75(6),671-675.
6. **Richardson JK**, Hurvitz EA: Peripheral neuropathy: a true risk factor for falls. *J of Gerontology: Med Sci* 1995;50A(4):M211-M215.
7. Van den Bosch CG, Gilsing MG, Lee SG, **Richardson JK**, Ashton-Miller JA: Peripheral neuropathy effect on ankle inversion and eversion detection thresholds. *Arch Phys Med Rehabil* 1995;76(9):850-56.
8. Ashton-Miller JA, Yeh MW, **Richardson JK**, Galloway T: A cane reduces loss of balance in patients with peripheral neuropathy: results from a challenging unipedal balance test. *Arch Phys Med Rehabil* 1996;77(5):446-452.
9. Vullo V, **Richardson JK**, Hurvitz EA: Hip, knee and foot pain during pregnancy and the postpartum period. *Journal of Family Practice* 1996;43(1):63-68.
10. **Richardson JK**, Ashton-Miller JA, Lee SG, Jacob K: Moderate peripheral neuropathy impairs weight transfer and unipedal balance in the elderly. *Arch Phys Med Rehabil* 1996;77(11):1152-1156.
11. **Richardson JK**, Chung T, Schultz JS, Hurvitz EA: A familial predisposition toward lumbar disc injury. *Spine* 1997;22(13):1487-1493.†
12. **Richardson JK**, Forman G, Riley B: An electrophysiologic exploration of the double crush hypothesis. *Muscle & Nerve* 1999;22:71-77.

\*Selected for review in Journal Watch 1992;10(10):77. (**Richardson JK**; et al. Peripheral neuropathy can cause falls in the elderly.)

†Selected for "Point of View" editorial comment. (Miller MG, *Spine* 1997;22(13):1494.)

13. Hurvitz EA, **Richardson JK**, Werner RA, Ruhl A, Dixon M: Unipedal stance testing as an indicator of fall risk among older outpatients. *Arch Phys Med Rehabil* 2000;81(5):587-91.
14. **Richardson JK**, Ross AM, Riley B, Rhodes R: Halo vest effect on balance. *Arch Phys Med Rehabil* 2000;81:255-57.
15. Hurvitz EA, **Richardson JK**, Werner RA: Unipedal stance testing in the assessment of peripheral neuropathy. *Arch Phys Med Rehabil* 2001;82(2):198-204.
16. **Richardson JK**, Sandman D, Vela S: A focused exercise regimen improves clinical measures of balance in patients with peripheral neuropathy. *Arch Phys Med Rehabil* 2001;82(2):205-9.
17. **Richardson JK**, Green DF, Jamieson SC, Valentin FC: Gender, body mass index and age as risk factors for ulnar mononeuropathy at the elbow. *Muscle & Nerve* 2001;24:551-54.
18. Gutierrez LM, Helber MB, Dealva D, Ashton-Miller JA, **Richardson JK**: Mild diabetic neuropathy affects ankle motor function. *Clin Biomech* 2001;16(6):522-28.
19. Rowdon GA, **Richardson JK**, Hoffman P, Zaffer M, Barill E: Chronic anterior compartment syndrome and deep peroneal nerve function. *Clin J Sports Med* 2001;11(4):229-33.
20. **Richardson JK**: The clinical identification of peripheral neuropathy among older persons. *Arch Phys Med Rehabil* 2002;83(11):1553-8.
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1. **Richardson JK**, Tang C, Nwaguw C, Nnodim J. Varying initial stance width influences clinical unipedal stance time.
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