

CURRICULUM VITAE

WILLIAM C. WALKER, M.D.

Updated 04/28/2008

PERSONAL INFORMATION

NAME: William C. Walker, M.D.

TITLE: Associate Professor, VCU Dept PM&R
Vice Chairman Clinical Care, VCU Dept PM&R
Medical Director, MCVH Rehabilitation & Research Center
Principal Investigator, Richmond DVBIC

OFFICE ADDRESS: VCU Department of Physical Medicine & Rehabilitation
MCV Station, Box 677
Richmond, VA 23298
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Rehabilitation Medicine Service
Hunter Holmes McGuire Veterans Medical Center
1201 Broad Rock Boulevard
Richmond, VA 23249
Phone: (804) 675-5117 Fax: (804) 675-5335
Email: wwalker5@va.gov

PROFESSIONAL SUMMARY:

Primary Departmental Program Area: Brain Injury Rehabilitation

Areas of expertise and interest: Brain injury, Concussion, Neuro-rehabilitation, Spasticity

EDUCATION:

➤ ***POST-GRADUATE:***

1988-91 Physical Medicine & Rehabilitation Residency, Medical College of VA at VA Commonwealth Univ., Richmond, VA

1987-8 Internal Medicine Internship at University of Virginia School of Medicine
Affiliated Programs at Roanoke and Salem, Virginia

➤ ***GRADUATE:***

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1983-7 M.D., Medical College of VA at VA Commonwealth Univ., Richmond, VA

➤ ***UNDERGRADUATE:***

1979-83 B.S. Chemical Engineering, University of Virginia, Charlottesville, VA

CERTIFICATION AND LICENSURE:

➤ ***LICENSURE:***

- Virginia State Medical License #0101-042674 (since 7/88)

➤ ***CERTIFICATION:***

- Diplomate, National Board of Medical Examiners (since 5/88)
- Diplomate, American Board of Physical Medicine & Rehabilitation (since 5/92), Cert. #3997
- Diplomate, American Board of Electrodiagnostic Medicine (10/96 – 10/06), Cert. #2184

➤ ***ACTIVE HOSPITAL APPOINTMENTS:***

- Medical College of Virginia Hospital, VCU Health Systems
- McGuire Veterans Administration Medical Center, Richmond VA

ACADEMIC APPOINTMENT HISTORY:

2000- Associate Professor (collateral), Physical Medicine & Rehabilitation Department, School of Medicine, Virginia Commonwealth University, Richmond, VA

1991-2000 Assistant Professor (collateral), Physical Medicine & Rehabilitation Department, School of Medicine, Virginia Commonwealth University, Richmond, VA

EMPLOYMENT HISTORY INCLUDING SIGNIFICANT WORK EXPERIENCE:

➤ ***1991- Present : DEPT OF PHYSICAL MEDICINE AND REHABILITATION, VIRGINIA COMMONWEALTH UNIVERSITY SCHOOL OF MEDICINE:***

1991- Attending Teaching Physician, VCU Dept PM&R
1992-2000 Medical Director & Attending Physician, Rehabilitation Hosp of Virginia
1995- Contract Staff Physician, Hunter Holmes McGuire VAMC
2000-6 Back-up Chief, PM&R Service, Hunter Holmes McGuire VAMC
2001- Vice Chairman, Clinical Services, VCU Dept PM&R

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SPECIAL AWARDS AND HONORS:

- 2006 Winner, Best Poster Presentation, Radfar-Baublitz LS, Pickett TC, **Walker WC**, Cifu DX. Objectively assessing balance deficits after TBI: The role of computerized posturography. Assoc Academic Physiatrists Annual Assembly, March 2006, Daytona Beach, FL.
- 2002 Runner-up, Best Poster Presentation, Brokaw JP, **Walker WC**, Cifu DX. Sitting and standing tolerance in chronic back pain patients: comparison between physician prediction and covert observation. Amer Acad Phys Med Rehab Annual Assembly, November 2002, Orlando, FL.
- 2000-1 Faculty Teaching Award, Dept of PM&R, MCV/VCU
- 2000-1 Chairman Initiative Award, Dept of PM&R, MCV/VCU
- 1994-5 Faculty Teaching Award, Department of Physical Medicine & Rehabilitation, MCV/VCU
- 1991 Top quartile, American Academy of PM&R Written Board Exam
- 1990 Selected VCU Dept PM&R Chief Resident, served March 1990- March 1991
- 1984 Recipient, American Cancer Society Summer Research Fellowship to investigate Hyperthermia with the Department of Radiation Oncology
- 1983 Undergraduate Cum Laude
- 1982 Tau Beta Pi, Engineering Honor Society
- 1981 Undergraduate Intermediate Honors

MEMBERSHIP IN SCIENTIFIC OR PROFESSIONAL SOCIETIES:

- Past President & Active Member, Virginia Society of Physical Medicine and Rehabilitation
- Fellow, American Academy of Physical Medicine and Rehabilitation
- Fellow, Association of Academic Physiatrists
- Past Fellow, American Association of Electrodiagnostic Medicine
- Member, Medical Society of Virginia
- Member, Brain Injury Association of Virginia

SCIENTIFIC AND SCHOLARLY ACTIVITIES:

➤ **EXPERT SERVICES:**

- Facilitator, AAPM&R Study Guide, Traumatic Brain Injury section (2006-2008)
- Contributor (test questions) for AAPM&R Recertification Exam.
- Reviewer for Multiple Peer Reviewed Medical Journals including:
 - Archives of Physical Medicine & Rehabilitation

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- Neurorehabilitation
- American Journal of Physical Medicine & Rehabilitation
- Brain Injury
- Journal of Rehabilitation Research & Development
- Reviewer for Lippincott Williams & Wilkins: Othotics and Prosthetics textbook 2000-2001 (reviewed 6 chapters and appendix), Skeletal Muscle Structure and Function, Second Edition, 2001 (2 chapters).

➤ **GRANTS AND CONTRACT (ACTIVE):**

- 2007- Co-Investigator, 0.05 FTE, NIH R01 Award HD 052922-01A2, Dr Janet Niemeier (PI), First Steps Acute Neurobehavioral and Cognitive Intervention Program (FANCI) randomized control trial.
- 2004- Sub-investigator NIDDR TBI Model Systems at VCU, 0.06 FTE, H133A020516, Dr J Kreutzer (PI), (center grant has multiple domains including the investigation of outcomes after moderate and severe TBI).
- 2004- Principal Investigator, 0.02 FTE Hunter Holmes McGuire Medical Center Site (Multi-center DOD study), A Randomized Placebo-Controlled Trial of Citalopram for Anxiety Disorders Following Traumatic Brain Injury, approx \$60,000 per year award by Dept of Defense administered by Henry Jackson Foundation,.
- 2001- Principal Investigator, 0.30 FTE, Richmond Defense and Veterans Brain Injury Center (center project has multiple domains including the investigation of outcomes in military persons and veterans with TBI), \$300,000 to \$400,000 per year award by Dept of Defense administered by Henry Jackson Foundation.

➤ **GRANTS AND CONTRACTS (PAST):**

- 1998-1999 S.S.A. Disability Determination Methodology Grant, Physician Consultant to WESTAT/ARCI, \$10,000/year salary support
- 1991-3 Clinical Investigator, S.S.A. Contract for Pain Assessment Instrument Development project, P.I. Karen Rucker, MD, \$5,000/year salary support

EXTRAMURAL PRESENTATIONS

➤ **POSTER PRESENTATIONS:**

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WILLIAM C. WALKER, M.D.

Radfar-Baublitz LS, Pickett TC, **Walker WC**, Cifu DX. Objectively assessing balance deficits after TBI: The role of computerized posturography. Assoc Academic Physiatrists Annual Assembly, March 2006, Daytona Beach, FL.

Sureja RN, **Walker WC**, Silver T, Pickett T. Neuromotor impairment after severe TBI: A longitudinal, multicenter study. Amer Academy Phys Med Rehabil Annual Assembly, October 2005, Philadelphia, PA.

Seel RT, Pegg PO, Buenaver LF, **Walker WC**. Does patient effort in acute traumatic brain injury rehabilitation impact functional outcomes? Amer Acad Phys Med Rehabil, October 2005, Philadelphia, PA.

Enders LJ, **Walker WC**. Work-related low back injuries: An analysis of workers' compensation claims in Virginia. Amer Acad Phys Med Rehabil, October 2003, Chicago, IL.

Walker WC, Reid C, White J, Head C. Worker compensation claims among Commonwealth of Virginia State Employees: Analysis of frequency, costs and demographics. Amer Acad Phys Med Rehab Annual Assembly, November 2002, Orlando, FL.

Brokaw JP, **Walker WC**, Cifu DX. Sitting and standing tolerance in chronic back pain patients: comparison between physician prediction and covert observation. Amer Acad Phys Med Rehab Annual Assembly, November 2002, Orlando, FL.

Brokaw JP, Gardner M, **Walker W**. Covert observation of sitting and standing tolerance in chronic pain patients. Accepted at Amer Acad Phys Med Rehab Annual Assembly, September 2001, NewOrleans, LA (conference cancelled due to terrorist acts).

Walker WC, Mujtba N, and Seel RT. Hypogonadism in brain injured males. Williamsburg Traumatic Brain Injury International Conference, June 2000, Williamsburg, VA.

Walker WC, Mujteba N, Seel RT, and Silver T. Prevalence of decreased testosterone in traumatic and atraumatic brain injury population. Amer Acad Phys Med Rehab Annual Assembly, October 2000, SanFrancisco, CA.

Walker WC, Cifu DX, Gardner M, Swartz ZT, and Twigg AR. Neutral wrist splinting in carpal tunnel syndrome: A comparison of night-only versus full-time wear instructions. Amer Acad Phys Med Rehabil Annual Assembly, 1999, Washington, DC.

Walker WC, Brunsvold KT, Keyser-Marcus LA, and Cifu DX. Interdisciplinary rehabilitation after total hip arthroplasty (THA) surgery: A comparison of revision and primary THA. Amer Acad Phys Med Rehabil Annual Assembly, 1999, Washington, DC.

Hedrick W, and **Walker WC**. Analysis of Demographic and Functional Sub-Acute Coma Recovery Data. Amer Acad Phys Med Rehabil, Annual Meeting, 1993; Miami, FL.

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Rucker KS, Conley S, Metzler H, **Walker WC**. Waddell's Criteria. Amer Acad Phys Med Rehab Annual Meeting, 1992, San Francisco, CA.

Rucker KS, Metzler H, Conley S, **Walker WC**. Measurement of Effort. Amer Acad Phys Med Rehab Annual Meeting, 1992, San Francisco, CA.

➤ *PAPER PRESENTATIONS:*

Chen T, **Walker WC**, Marwitz JH, et al: A multicenter study on the clinical utility of PTA duration in predicting global outcome after TBI. Amer Acad Phys Med Rehabil Annual Assembly, Sept 2007, Boston, MA.

Jones AM, **Walker WC**, Hess DW, Brooke MS,. Aneurysmal subarachnoid hemorrhage and traumatic brain injury: A comparison of rehabilitation outcomes. Amer Acad Phys Med Rehabil Annual Assembly, October 2005, Philadelphia, PA.

Leshner KM, Niemeier J, Marwitz J, Bushnik T, **Walker W**. Gender differences in executive functioning after traumatic brain injury. Amer Acad Phys Med Rehab Annual Assembly, October 2004, Phoenix, AZ.

Orr MR, **Walker WC**, Marwitz JH, Kreutzer J. Occupational categories and return to work after traumatic brain injury. Amer Acad Phys Med Rehab Annual Assembly, October 2003, Chicago, IL.

Walker WC, Seel RT, Warden D, Sigford B, Date E, Scott S. Headache after moderate and severe traumatic brain injury: multicenter analysis of relation to injury severity and neurobehavioral symptoms, Amer Acad Phys Med Rehab Annual Assembly, November 2002, Orlando, FL.

Gibellato M, **Walker WC**, Seel RT, Lee H, Cornis-Pop M. Donepezil in acute traumatic brain injury rehabilitation: a matched before-after trial. Amer Acad Phys Med Rehab Annual Assembly, November 2002, Orlando, FL.

Walker WC, Johns JS, and Keyser-Marcus LA. Electromyography induced pain: A comparison between the concentric and monopolar disposable needle electrode. Amer Acad Phys Med Rehab Annual Assembly, November 1999, Washington, DC.

➤ *AFFILIATED HOSPITAL GRAND ROUNDS/CME LECTURES:*

Greenville Memorial Hospital, Emporia, VA

Post-traumatic Headache 10/02

Low Back Pain 9/98

Blackstone Family Practice, Blackstone, VA

Low Back Pain 9/98, 5/99,9/99,

5/00, 9/00, 9/01, 3/02, 9/02

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Mary Washington Hospital, Fredericksburg, VA
Williamsburg Community Hospital, Williamsburg, VA
Southside Regional Med Ctr, Emporia, VA
McGuire VAMC, Richmond, VA

Low Back Pain 3/95, 1/99
Orthopedic Rehabilitation 10/94
Venous Thromboembolism 11/04
Pain after TBI 2/05

➤ ***REGIONAL/ NATIONAL LECTURES:***

The 2005 Williamsburg Conference on Rehabilitation of the adult and child with brain injury: Practical solutions to real world problems, “Assessing pain after Traumatic Brain Injury”, 6/10/05, Williamsburg, VA.

Virginia Commonwealth University Regional Electromyography/Nerve Conduction Study Basics Conference, Presenter, “The nuts & bolts of EMG/NCS evaluation” and NMJ disorders case presentation”, 4/05, Richmond, VA.

VAMC Grand Rounds, Presenter, “The assessment of pain after TBI”, Richmond VA (teleconferenced nationally), 02/05.

Course Director and Presenter, Virginia Commonwealth University Regional Electromyography/Nerve Conduction Study Basics Conference, 4/04, Richmond, VA.

International Orthotist and Prosthetist Association Conference, Presenter “Spasticity and Orthotic Management after Brain Injury”, 2/7/04, Williamsburg, VA.

AAPM&R 64th Annual Assembly, Workshop Faculty & Co-Presenter, Assessment of Cervicocephalic Pain Complaints, 10/03, Chicago, IL.

Course Director and Presenter, Virginia Commonwealth University Regional Electromyography/Nerve Conduction Study Basics Conference, 4/03, Richmond, VA.

Veteran’s Administration Annual Rehabilitation Symposium “New Directions in Rehabilitation Practices, Processes, and Research”, “Post-traumatic Headaches”, 6/11/02, Beverly Hills, CA.

Course Director and Presenter, Virginia Commonwealth University Regional Electromyography/Nerve Conduction Study Basics Conference, 4/02, Richmond, VA.

Panel Discussion, Virginia State Worker’s Compensation Conference “Looking Ahead to Tomorrow”, 11/01, Richmond, VA.

Course Director and Presenter, Virginia Commonwealth University Regional Electromyography/Nerve Conduction Study Basics Conference, 5/01, Richmond, VA.

Virginia Risk Control Institute, “Cumulative trauma disorders” 10/00, Richmond, VA.

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Course Director and Presenter, Virginia Commonwealth University Regional Electromyography/Nerve Conduction Study Basics Conference, 5/00, Richmond, VA.

Virginia Commonwealth University Regional Electromyography/Nerve Conduction Basics Conference, "Plan of attack" and "Carpal tunnel syndrome", 5/00, Richmond, VA.

Virginia=s 1st Annual Ergonomics Conference, Rest, exercise, and physical therapy for the prevention of injuries, 5/99, Richmond, VA.

Spinal Interventional Therapies & Injections Training Seminar, Lab Station Instructor, 10/98, Richmond, VA.

Subacute Rehabilitation Conference: Comparing apples to oranges. "Analysis of demographic and functional subacute rehabilitation data", 10/94, Richmond, VA.

AAPM&R 56th Annual Assembly, Geriatric Rehabilitation SIG Focus Session Faculty & Co-presenter, "Cane Enable: the good and evil of assistive devices", 10/94, Anaheim, CA.

AAPM&R 56th Annual Assembly, Focus Session Faculty, "Standardization of chronic pain assessment". 10/94, Anaheim, CA.

The Radiological assessment and treatment of Low Back Pain. The Virginia Society of Radiologic Technologists Annual Meeting, Richmond, Virginia, September, 1992.

Low Back Pain: Who to X-ray, How to Treat and When to Refer. Chronic Pain: Effective Office Treatment Strategies. 16th Annual Summer Retreat: Practical Issues in Primary Care Conference, Virginia Beach, Virginia, August, 1992.

Improving Physical Function via Assistive Devices. Systems Review of Geriatric Medicine CME conference, Williamsburg, 1992.

TEACHING, ADVISING AND MENTORING:

➤ *GENERAL:*

- Primary preceptor for at least one VCU Dept PM&R resident-in-training since joined faculty in 1991. Currently serving as primary preceptor for one full-time resident on brain injury rehabilitation rotation, preceptor for VA EMG resident during one half day per week, preceptor for two outpatient residents during two half-days per week.
- Faculty advisor for multiple VCU Dept PM&R residents.
- Two time recipient of PM&R faculty teacher of the year award (chosen by residents).

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- Mentored multiple residents in research projects including leading over 10 residents, students, or fellows to first author on paper or poster presentation, and leading 2 residents to first authorship on peer reviewed journal publications (one enclosed).
- Provide weekly clinical exposure and teaching on inpatient rehabilitation to VCU Undergraduate students in Biomedical Engineering.
- Supervise VCU School of Medicine medical students
- Active member of VCU Dept PM&R Education Committee since joining PM&R faculty.
- Organizes and directs VCU Dept PM&R quarterly Morbidity and Mortality conference.
- Authored two subject competency evaluations (study guide learning objectives) for VCU Dept PM&R Resident training.
- Authored VCU Dept of PM&R clinical care guidelines and self directed web-based learning module for Venous Thromboembolism prophylaxis and DVT treatment.
- Continually provide one-on-one interactive didactic talks with residents (and students when assigned) on Brain Injury Rehab (weekly) and VAMC EMG rotations (twice monthly).
- See lecture-hall and large group lectures listed below.

➤ ***FORMAL RESIDENT DIDACTIC LECTURES/ VCU GRAND ROUNDS*/
INTERDEPARTMENTAL LECTURES** (1991 -):***

- Orthopedic and Joint Replacement Rehabilitation (2007)
- Post-traumatic amnesia as a memento of TBI; what PTA is and means for patients (2007*)
- Headache after TBI: observations and challenges (2006**)
- Update on Venous Thromboembolism Prophylaxis & Treatment (2006, 2003)
- Neuromuscular Disease
- Deep Venous Thrombosis Guidelines Update (2006)
- Pharmacological Management after Brain Injury (2005)
- Muscle Pain & Cramps (Orthopedics Dept 2005**)
- Assessing Pain after TBI (2005*)
- Electrodiagnosis Plan of Attack (2004)
- Common errors (Pitfalls) in Electrodiagnosis (2004, 2007)
- Gait Aids (2004)
- Therapeutic Exercise (Orthopedics Dept 2003, 2005**)
- Independent Medical Exams (2003)
- Radiculopathy: evaluation and treatment (2006, 2003, 1999, 1996, 1993)
- Brain Injury Jeopardy (2002, 2004, 2005)
- Brain Injury Outcomes/Prognosis (2006**, 2002)
- Spasticity (2002, 2005)
- Medical Rehabilitation Documentation (2002)
- Cardiac Rehabilitation (2002)
- Brain Anatomy/Stroke Syndromes (2002)
- Electrostimulation (2001)
- Shoe and Foot Orthotics (2001,2004, 2007)

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- Arthritis Rehabilitation (2001)
- Needle electromyography: waveforms and technique (2001)
- Fibromyalgia and Myofascial Pain (2000, 1997, 1994, 1991)
- Update on Cardio-Pulmonary Rehabilitation (2000*)
- Non-operative Treatment of Low Back Pain (2003, 2000, 1997*, 1994** Neurosurgery, 1991)
- Coma/Low Level TBI Management (2006**, 1997, 1994*)
- Neuromuscular Rehabilitation (2000, 1998*)
- Electrodiagnosis of Lumbar Radiculopathy (1998, 1995)
- Electrodiagnosis of Cervical Radiculopathy (1997, 1994)
- Instrumentation in Electrodiagnostics (1995, 1992)
- General approach to musculoskeletal and soft tissue disorders (1993)
- Clinical spine biomechanics (1996, 1993)
- Lower Extremity Prosthetics (2000** Orthopedics, 1999** Orthopedics, 1997, 1994)
- Functional Anatomy of the Lumbar Spine (1992)
- Evaluating Disability and Impairment (1998, 1995, 1994** Rheumatology)
- Cardiovascular/Respiratory Management after Spinal Cord Injury (1999, 1993, 1990*)
- Update on Sciatica (1994*)
- Subacute Rehabilitation (1993*)
- Electrodiagnostic approach to foot drop (1994)
- Electrotherapy: A shocking experience (1999*, 2001)
- Energy costs for locomotion (1998)
- Vascular Rehabilitation (1998)
- Therapeutic Exercise (1999, 2004)

➤ *SCHOOL OF MEDICINE CORE CURRICULUM LECTURES (M3):*

- Physical Exam of Neck and Back (Hands on symposium) (2000, 2001, 2002, 2003, 2004, 2005, 2007)
- Rehabilitation of the Amputee (1995)
- Orthotics and Prosthetics (1992, 1993, 1994)
- Musculoskeletal PM & R Review (1992)
- Occupational Medicine (1992, 1993)

SERVICE ACTIVITIES

➤ *CLINICAL SERVICE:*

MCVH outpatient clinics: During first year on faculty North Hospital PM&R clinic was my primary setting for outpatient physical medicine and electromyography, but eventually discontinued due to rising demands of RHV and start-up of Stony Point clinic. Beginning in

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2002 I took over weekly brain injury rehab clinic. In 2005 I initiated expansion of brain injury clinic with an additional half-day of “concussion care” evaluation and treatment to provide access and continuum for a previously underserved segment of milder traumatic brain injury.

MCVH inpatient rehabilitation: Began serving as attending physician for 14 bed N2 Brain Injury Rehabilitation unit (and medical director of MCVH Rehabilitation & Research Center) starting in 2002 and continue to serve in this capacity.

VCU at Stony Point clinics: For several years I was our lead PM&R faculty at Stony Point Sport and Spine center where I did physical medicine and electromyography. This was discontinued when I assumed role of Brain Injury attending at MCVH.

Other outpatient clinics: At various times during my tenure I have pitched in with holding clinics at sites deemed necessary by Dept of PM&R including: Sheltering Arms Hospital both main campus and St. Mary’s campus sites, Rehabilitation Hospital of Virginia, and Health South Parham campus.

Rehab Hosp of Virginia (RHV): Less than one year after finishing residency and joining PM&R faculty I assumed role sole attending physician (and medical director) for new 40 bed rehabilitation hospital in Richmond’s near west end through contract with VCU Dept PM&R. Less than two years after start-up RHV census reached full capacity and a second attending was added to share the clinical load. I continued to provide coverage of twenty beds and performed consultation for admission evaluations at multiple nearby hospitals including St Mary’s, Henrico Doctors, Stuart Circle, Retreat, and Richmond Memorial Hospitals. I also directed the day rehabilitation program, clinically evaluating and managing the patients in this program. I continued to serve in this capacity until our department decided to relinquish the contract in 2000.

Complex Care Program: For over 13 years I served as lead PM&R physician (and rehabilitation director) of a 12-bed complex subacute rehabilitation unit located formally at Metropolitan Hospital, later at Stuart Circle Hospital, and now at Retreat Hospital. This consisted of twice per week rounding, team conferencing, and close collaboration with the medical director and consulting physicians. I just relinquished these duties last year due to the expansion of MCVH Brain injury clinic.

McGuire VAMC: Throughout my faculty tenure I have provided clinical services at McGuire VAMC for electromyography lab and continue to be the attending physician for one half day per week. From 2000 through 2002 (between RHV and MCVH inpatient responsibilities) I also provided inpatient rehabilitation attending services.

➤ *SERVICE TO PROFESSION:*

2004-06 Facilitator, Study Guide Committee (Brain Injury Update), American Academy
Phys Med Rehabil: selected unpaid position requiring multiple in-person meetings

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- in Chicago, extensive editing, and frequent electronic and phone communications with collaborators and group participants. These study guide products are a key method of educating the national and international AAPM&R membership.
- 2002-05 Committee for VAMC Web-based Mild TBI Education for primary care providers: Participated in Veteran's Health Initiative study guide development for self-instructional CME course on Traumatic Brain Injury. This required in-person meetings with national collaborators, extensive literature review, writing and editing, and frequent electronic and phone communications. This course became required educational activity for all VAMC health care providers.
- 1998-2005 National Veterans Administration Brain Injury Task Force Working Group: participated in monthly conference calls regarding the needs and program planning for TBI rehabilitation within the Veterans Health Care system.
- 1999-2001 Member, Study Guide Committee (Cardiac, Pulmonary and Cancer Rehabilitation Update), American Academy of Physical Medicine and Rehabilitation: required multiple in-person meetings in Chicago, extensive literature review, writing and editing, and frequent electronic and phone communications with collaborators and group participants. These study guide products are a key method of educating the national and international AAPM&R membership.
- 1997-2006 Training Program Liaison, American Academy of Electrodiagnostic Medicine: interfaced with AAEM on residency and fellow emg training issues. Organized and proctored annual self-assessment training examination including a review session for our residents, fellows, and attendings.

➤ ***SERVICE TO COMMUNITY:***

- 2000 VCU/MCV MiniMed School presenter, Low Back Pain Rehabilitation (A Public Service Information/Awareness Series)
- 2000 WWBT Channel 12 live call-in on myofascial pain
- 1995 WRVA Richmond Medical Matters Radio Program on Severe Brain Injury
- 1994 RHV Stroke Support Program (Public Forum)
- 1993 MCV Ten Minutes in Medicine Television Program on Chronic Pain
- 1992 Arthritis Foundation: Arthritis Answers Day (Public Forum)

➤ ***SERVICE TO VCU SCHOOL OF MEDICINE:***

- 2005 Promotion Committee Member, Michelle Meade, PhD
- 2003 Promotion Committee Member, Janet Niemeier, PhD
- 2003- Member, VCU Hospital Interdisciplinary Care Committee
- 2003- Member, Medical Staff Health Committee: Regular and ad-hoc meetings related to attending and resident physician impairment at VCU Health Systems.
- 2002- Medical Director, Rehabilitation and Research Center: Medical directorship of 41 bed inpatient interdisciplinary (physician, nursing, speech pathology/therapy, physical therapy, occupational therapy, therapeutic recreation, nutritionist, and social work) rehabilitation unit. Responsibilities include monitoring and leading

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- clinical effectiveness, clinical efficiency, regulatory compliance, staff recruitment, staff retention, staff development, communication link to all attendings, housestaff, and consulting services who work with the unit, performance improvement, quality control, business development, budget development, professionalism, and attending staff coverage scheduling.
- 2002- Director, Brain Injury Services, Rehabilitation & Research Center: Primary attending on all admissions to unit, participate in all team and family conferences, monitor and lead interdisciplinary clinical rehabilitation program planning.
- 1991-1994 Member, MCV/VCU School of Medicine - 4 Year Subject Matter Committee Musculoskeletal/Dermatology: Provided lecture content material, test questions, and organized didactic lectures given by various members of Dept PM&R.
- 1990-1991 Member, VCU Health System Neuroscience Patient Care Committee

➤ ***SERVICE TO VCU DEPT PHYSICAL MEDICINE & REHABILITATION***

- 1990- Member, Education Committee
- 1991-2000 Assistant Director of Outpatient Services
- 1996- Member, Alumni Committee
- 1997-01 Chairman, Cost Containment Committee
- 1997- Co-officer, Billing Compliance
- 1998-04 Director, Electrodiagnostic Services
- 1999-01 Director, Outpatient and Industrial Medicine Services
- 2001-6 Supervisor Residency Program at McGuire VAMC Site
- 2001- Officer, Documentation Guidelines
- 2001- Vice Chairman, Clinical Services

➤ ***SERVICE TO AFFILIATED INSTITUTIONS:***

HUNTER McGUIRE VETERANS ADMINISTRATION HOSPITAL

- 2004-6 Program Director, Neuroscience Specialty Fellowship
- 2000-6 Director, Brain Injury Interdisciplinary Rehabilitation Program (BIIRP)
- 2000- Site Director & Principal Investigator, Defense and Veterans Brain Injury Center
- 2000-6 Quality Improvement Committee, Rehabilitation Medicine Service
- 2000-6 Supervisor Residency Program at McGuire VAMC Site
- 2000-6 Back-up Chief, PM&R Service
- 1995- Contract Staff Physician

REHABILITATION HOSPITAL OF VIRGINIA:

- 1996-2000 President, Medical Executive Committee, The Rehabilitation Hospital of Virginia: In charge of overall organizational structure of entire attending and consulting physician staff, medical staff bylaws, credentialing, and regulatory compliance.
- 1992-1996 Member, Medical Executive Committee, The Rehabilitation Hospital of Virginia

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- 1992-1994 Medical Director, The Rehabilitation Hospital of Virginia: Medical directorship of 41 bed inpatient interdisciplinary (physician, nursing, speech pathology/therapy, physical therapy, occupational therapy, therapeutic recreation, nutritionist, and social work) rehabilitation unit. Responsibilities include monitoring and leading clinical effectiveness, clinical efficiency, regulatory compliance, staff recruitment, staff retention, staff development, communication link to all attendings, housestaff, and consulting services who work with the unit, performance improvement, quality control, business development, budget development, professionalism, and attending staff coverage scheduling.
- 1992-2000 Multiple major committees at the Rehabilitation Hospital of Virginia including Admissions, Quality Improvement, Program Evaluation, Infection Control, Program Development, Utilization Review.
- 1992-2000 Director of Stroke Program, The Rehabilitation Hospital of Virginia
- 1995-2000 Director of Orthopedic Rehabilitation, The Rehabilitation Hospital of Virginia

➤ ***SERVICE TO OTHER COMMUNITY HOSPITALS:***

- 2003-2006 Director PM&R, Complex Care Unit, Retreat Hospital (Coma management and subacute rehabilitation): Participated in weekly team and family conferences, provided staff education, provided program development and quality improvement feedback, participated in program marketing.
- 1992-1996 Medical Director and Co-Director, American Rehabilitation Centers Inc., Specialty Care Unit (Coma management and subacute rehabilitation, see above)
- 1994-1995 Member, Quality Improvement Committee, Stuart Circle Hospital: reviewed, analyzed, and made recommendations on select morbidity/mortality cases.
- 1992-2000 Consulting PM&R privileges at multiple hospitals including St Mary's, Henrico Doctors.

PUBLICATIONS:

➤ ***PAPERS PUBLISHED IN PEER REVIEWED JOURNALS:***

Walker, WC, Pickett T. Motor impairment after severe traumatic brain injury: a longitudinal multicenter study. *J Rehabil Res Devel* 2007;44:975-82.

Pickett TC, Radfar-Baublitz LS, McDonald SD, **Walker WC**, Cifu DX. Objectively assessing balance deficits after TBI: Role of computerized posturography. *J Rehabil Res Devel* 2007;44:983-90.

Francisco GE, **Walker WC**, Zasler ND, Bouffard MH: Pharmacological management of neurobehavioral sequelae of traumatic brain injury: A survey of current physiatric practice. *Brain Injury* 2007;21:1007-14.

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Niemeier JP, Marwitz JH, Leshner K, **Walker WC**, Bushnik T. Gender differences in executive function following traumatic brain injury. *Neuropsychol Rehabil* 2007;17:293-313.

Walker WC, Marwitz JH, Kreutzer JS, Hart T, Novack T: Occupational categories and return to work after traumatic brain injury: a multi-center study. *Arch Phys Med Rehabil* 2006;87:1576-82.

Lew HL, Lin PH, Fuh JL, Wang SJ, Clark DJ, **Walker WC**. Characteristics and treatment of headache after traumatic brain injury: a focused review. *Amer J Phys Med Rehabil* 2006;85:619-27.

Walker WC, Seel RT, Curtiss G, Warden D. Headache after moderate and severe traumatic brain injury: a longitudinal analysis. *Arch Phys Med Rehabil* 2005;86:1793-1800.

Walker WC, Seel R, Gibellato M, Lew H, Cornis-Pop M, Jena T, Silver T. The effects of Donepezil on traumatic brain injury acute rehabilitation outcomes. *Brain Injury* 2004;18:739-750.

Brokaw JP, **Walker WC**, Cifu DX, Gardner M. Sitting & Standing Tolerance in Chronic Back Pain Patients: Comparison between Physician Prediction & Covert Observation. *Arch Phys Med Rehabil* 2004;85:837-9.

Walker WC. Pain pathoetiology after TBI: neural and non-neural mechanisms. *J Head Trauma Rehabil* 2004;19:72-81.

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