

## CURRICULUM VITAE

DATE: May 26, 2011

### NAME

Gerard E. Francisco, M.D.

### PRESENT TITLE(S)

**Chairman**, Department of Physical Medicine and Rehabilitation, University of Texas Health Science Center-Medical School, Houston

**Clinical Professor (Part-time)**, Department of Physical Medicine and Rehabilitation, University of Texas Health Science Center-Medical School, Houston

### ADDRESS

TIRR-Memorial Hermann, 1333 Moursund Street, Suite E-108 Houston, Texas 77030

### BIRTHDATE

October 3, 1964

### CITIZENSHIP

United States Citizen

### UNDERGRADUATE EDUCATION

**University of the Philippines, Bachelor of Science in Basic Medical Sciences**  
Pedro Gil Street, Malate, Manila, Philippines  
Awarded April 19, 1986

### GRADUATE EDUCATION

**University of the Philippines College of Medicine, Doctor of Medicine**  
College of Medicine-Philippine General Hospital  
Pedro Gil Street, Malate, Manila, Philippines  
Awarded April 30, 1989

### POSTGRADUATE TRAINING

**Baylor College of Medicine, Postdoctoral Fellowship, Brain Injury Rehabilitation**  
Department of Physical Medicine and Rehabilitation  
One Baylor Plaza, Houston, TX 77030  
June 30, 1994- June 30, 1995

**University of Medicine and Dentistry--New Jersey Medical School**  
**Chief Resident**, Department of Physical Medicine and Rehabilitation  
150 Bergen Street, University Heights, Newark, NJ 07013  
Program Director & Chairman - Joel A. DeLisa, M.D.  
July 1, 1993-June 30, 1994

**University of Medicine and Dentistry-New Jersey Medical School**

Resident, Department of Physical Medicine and Rehabilitation

150 Bergen Street, University Heights, Newark, NJ 07013

Program Director & Chairman - Joel A. DeLisa, M.D.

July 1, 1991-June 30, 1993

**Michael Reese Hospital and Medical Center**

Intern, Department of Medicine

2929 South Ellis Avenue, Chicago, IL 60616-3390

Program Director – William Chamberlin, M.D.

July 1, 1990 – June 30, 1991

ACADEMIC APPOINTMENTS

**Clinical Professor**

Department of Physical Medicine and Rehabilitation

University of Texas Health Science Center-Medical School, Houston

September, 2008-present

**Chairman**

Department of Physical Medicine and Rehabilitation

University of Texas Health Science Center-Medical School, Houston

June 2009-Present

**Adjunct Professor**

Department of Physical Medicine and Rehabilitation

Baylor College of Medicine, Houston

October 2008-present

**Interim Chairman**

Department of Physical Medicine and Rehabilitation

University of Texas Health Science Center-Medical School, Houston

July 2008-Present

**Vice Chairman**

Department of Physical Medicine and Rehabilitation

University of Texas Health Science Center-Medical School, Houston

July 1, 2006-present

**Fellowship Director, Brain Injury and Stroke Rehabilitation**

Department of Physical Medicine and Rehabilitation

University of Texas Health Science Center-Medical School, Houston

July 1, 1998-present

(Trainees: Jose Poblador, D.O., Patricia Hantsch, M.D., Denise Morales, M.D., Zoraya Parilla, M.D., Sunil Kothari, M.D., Payal Fadia, M.D., Eric Hartman, M.D., Darlene

Makulski, M.D., Stephanie Sneed, M.D., Jack B. Fu, M.D., Meilani Mapa, M.D., Natasha Eaddy, M.D.)

**Residency Program Director**

Department of Physical Medicine and Rehabilitation  
University of Texas Health Science Center-Medical School, Houston  
March 15, 2002-present

**Residency Program Director**

Physical Medicine and Rehabilitation Alliance  
Baylor College of Medicine and University of Texas Health Science Center  
Medical School, Houston  
July 1, 2002-June 30, 2007; March 12, 2008 - present

PREVIOUS FACULTY POSITIONS

**Assistant Residency Program Director**

Physical Medicine and Rehabilitation Alliance  
Baylor College of Medicine and University of Texas Health Science Center  
Medical School, Houston  
March 15, 2002- June 30, 2002

**Clinical Associate Professor (Part-time)**

Department of Physical Medicine and Rehabilitation  
University of Texas Health Science Center-Medical School, Houston  
September, 2002-2008

**Adjunct Associate Professor**

Department of Physical Medicine and Rehabilitation  
Baylor College of Medicine, Houston  
April, 2004-2008

**Clinical Assistant Professor (Part-time)**

Department of Physical Medicine and Rehabilitation  
University of Texas Health Science Center-Medical School, Houston  
January, 1997- August, 2002

**Adjunct Assistant Professor**

Department of Physical Medicine and Rehabilitation  
Baylor College of Medicine, Houston  
April, 1997-March, 2004

**Assistant Professor**

Department of Physical Medicine and Rehabilitation  
New Jersey Medical School, Newark  
January, 1996 – December 1996

**Clinical Instructor II**

Department of Physical Medicine and Rehabilitation  
New Jersey Medical School, Newark  
July 1, 1993 – June 30, 1994

HOSPITAL APPOINTMENTS

**Harris County Hospital District--Lyndon B. Johnson General Hospital**

5656 Kelley, Houston, TX 77026  
Chief of PM&R Service, Active Medical Staff effective June 25, 2009 - present

**TIRR-Memorial Hermann Hospital**

1333 Moursund Ave., Houston, TX 77030  
March 19, 1997 - present

**Hermann Hospital**

6411 Fannin, Houston, TX 77030  
March 19, 1997 - present

**Harris County Hospital District--Lyndon B. Johnson General Hospital**

5656 Kelley, Houston, TX 77026  
Consulting effective April 15, 1997

**The Methodist Hospital**

6565 Fannin Street, Houston, TX 77030  
Consulting effective December 12, 1997

**Kessler Institute for Rehabilitation**

240 Central Avenue, East Orange, NJ 07018  
Staff Physician, September, 1995 - December, 1996

OTHER EXPERIENCE /ADVANCED TRAINING

**TIRR-Memorial Hermann Hospital**

**Chief Medical Officer**

1333 Moursund Ave., Houston, TX 77030  
June 2009 - present

**TIRR-Memorial Hermann Hospital**

**Interim Chief Medical Officer**

1333 Moursund Ave., Houston, TX 77030  
July 2008 - present

**Medical Director, Project Victory (A clinical program to serve the needs of U.S. veterans of the Afghanistan and Iraq wars)**

TIRR (The Institute for Rehabilitation and Research) Foundation  
4605 Post Oak Place, Suite 222, Houston, TX 77027  
May 21, 2007 - present

**Associate Director for Research Services,  
Brain Injury and Stroke Program**  
TIRR-Memorial Hermann  
1333 Moursund Avenue, Houston, TX 77030  
July 1, 2006 - present

**Associate Director, Research Service**  
TIRR/Memorial Hermann  
1333 Moursund Avenue, Houston, TX 77030  
January 2003 - present

**Associate Director, Brain Injury and Stroke Program**  
TIRR/Memorial Hermann  
1333 Moursund Avenue, Houston, TX 77030  
January 1997 – present

**Director, Brain Injury Program**  
Kessler Institute for Rehabilitation  
240 Central Avenue, East Orange, NJ 07018  
September 1995 – December 1996

#### LICENSURE

Texas Board of Medical Examiners, January, 1997-present

#### CERTIFICATION

Diplomate, American Board of Physical Medicine and Rehabilitation  
Issued May 13, 1995 – present

Fellow, American Academy of Physical Medicine and Rehabilitation.  
1996- Present

Educational Commission for Foreign Medical Graduates (ECFMG).  
Issued January 4, 1991

#### PROFESSIONAL ORGANIZATIONS:

##### LOCAL

**Harris County Medical Society**

##### REGIONAL

**Texas Medical Association**

## NATIONAL

**Academy of Spinal Cord Injury Professionals, American Paraplegia Society, 2009-**

**American Medical Association, 2009-**

**American Board of Physical Medicine and Rehabilitation**

Member, Program Directors' Advisory Committee of the American Board of Physical Medicine and Rehabilitation Foundation  
August, 2005 to present

Item Writer and Examiner, American Board of Physical Medicine and Rehabilitation Certification Examination, 2004- present

**Association of Academic Physiatrists**

Board of Directors, 2010-present

Chair, Program Planning Committee, 2007-2009

Vice-Chair, Resident and Fellowship Program Directors Council, 2005-2007

Secretary, Resident and Fellowship Program Directors Council, 2005-2007

Member, Program Planning Committee, 1999-2007

Chair, Constitution and By-Laws Committee, 1995-1999

Chairperson, Residents' Council, 1994-1995

**American Academy of Physical Medicine and Rehabilitation**

Vice Chair (Neuro), Program Planning Committee, 2009-12

Member, Program Planning Committee, 2007-present

Education Liaison, Spasticity and Dystonia Special Interest Group, 2006-present

Member, Practice Guidelines Committee, 2001-2004

Member, Brain Injury Special Interest Group, 1995-present

Member, Stroke Special Interest Group, 2000-present

Member, Spasticity and Dystonia Special Interest Group, 2006-present

**American Physiatric Education Council**

Member –At-Large, 2008-present

**American Congress of Rehabilitation Medicine**

Member, Program Planning Committee, 2002-2006

Member, Brain Injury Special Interest Group, 2002-2006

**North American Brain Injury Association**

Member, 2008-present

**Brain Injury Association**

Member, National Program Planning Committee, 1998-2004

**National Brain Injury Research, Treatment and Training Foundation**

Member, Scientific Advisory Board, Columbia, Maryland, 2000-2002

#### INTERNATIONAL

##### **International Society of Physical and Rehabilitation Medicine**

Member, Education Committee, 2008-2010

#### HONORS AND AWARDS

**Alumnus of the Year**, Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry-New Jersey Medical School, Newark, NJ, presented June 11, 2008

**Dean's Teaching Excellence Award, 2007-2008**, University of Texas Health Sciences Center, Houston, presented May 22, 2008

**Physician of the Year, Nominee**, TIRR-Memorial Hermann Hospital, Houston, TX, 2010

**Physician of the Year, Nominee**, TIRR-Memorial Hermann Hospital, Houston, TX, 2008

**Physician of the Year, Nominee**, TIRR-Memorial Hermann Hospital, Houston, TX, 2007

##### **The Sidney and Elizabeth Licht Award for Excellence in Scientific Writing**

By the ACRM for the article: CB Ivanhoe, *GE Francisco*, JR McGuire, et al. Intrathecal Baclofen Management of Poststroke Spastic Hypertonia: Implications for Function and Quality of Life. Arch Phys Med Rehabil 2006; 87(11):1509-1515.

**Distinguished Service Award**, Physical Medicine and Rehabilitation Alliance, Baylor College of Medicine and University of Texas Health Sciences Center, Houston, June 5, 2004

**Dean's Teaching Excellence Award, 2003-2004**, University of Texas Health Sciences Center, Houston, presented May 27, 2004

Elected to the **Best Doctors in America – 2010-11** by peers. Best Doctors, Inc., [www.bestdoctors.com](http://www.bestdoctors.com)

Elected to the **Best Doctors in America – 2007-2008** by peers. Best Doctors, Inc., [www.bestdoctors.com](http://www.bestdoctors.com)

**Listed in Castle Connelly's Best Doctors in America 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010**

**Listed in Best Doctors of Houston, H Magazine, 2006**

**R.E. Carter, Jr., MD Clinical Service Award**, Physical Medicine and Rehabilitation Alliance, Baylor College of Medicine and University of Texas Health Sciences Center, Houston, June 16, 2001

**Dean's Teaching Excellence Award, 2000-2001**, University of Texas Health Sciences Center, Houston, presented May 30, 2001

**Outstanding Teacher of the Year**, Physical Medicine and Rehabilitation Alliance, Baylor College of Medicine and University of Texas Health Sciences Center, Houston, June, 2000

**Best Poster Presentation**

*Outcome after vegetative state among individuals with acquired brain injury*  
Association of Academic Physiatrists Annual Meeting, February 1996, Las Vegas, Nevada

**New Jersey Society of Medicine Writing Competition Winner, 1993**

*Post Stroke Depression: an overview*

**Outstanding Intern in Rehabilitation Medicine; Outstanding Intern in Pediatrics, and Outstanding Intern in Internal Medicine**

University of Philippines College of Medicine Philippine General Hospital Medical Center, Manila, Philippines, 1989

EDITORIAL POSITIONS

**Member, Editorial Board**, Journal of Rehabilitation Medicine. Foundation for Rehabilitation Information. 2011

**Member, Editorial Board**, Textbook of Traumatic Brain Injury, Second Edition. Silver JM, McAllister TW, Yudofsky SC (eds), 2<sup>nd</sup> Edition, American Psychiatric Publishing, Inc. Association, Arlington, VA, 2011

**Member, Editorial Board**, Textbook of Traumatic Brain Injury, Silver JM, McAllister TW, Yudofsky SC (eds), 1<sup>st</sup> edition, American Psychiatric Association, Arlington, VA, 2004

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES

**Standing Appeals Panel for PM&R specialty**, (Board of Appeals Panel) Accreditation Council for Graduate Medical Education (ACGME), Chicago, IL, April, 2009 - 2010

**Grant Reviewer**, Kansas University Medical Center, December, 2005

**Grant Reviewer**, National Institute on Disability and Rehabilitation Research Washington D.C., July, 1996

**Reviewer**, Archives of Physical Medicine and Rehabilitation (official journal of the American Academy of Physical Medicine and Rehabilitation and American Congress of Rehabilitation Medicine)

**Reviewer**, Europa Medicophysica (official journal of the Italian Society of Physical and Rehabilitation Medicine)

**Reviewer**, Brain Injury (official journal of the International Brain Injury Association)

**Reviewer**, Stroke (official journal of the American Heart Association)

**Reviewer**, American Journal of Physical Medicine and Rehabilitation (official journal of the Association of Academic Physiatrists)

SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON HEALTH SCIENCE CENTER  
COMMITTEES

**Member, Graduate Medical Education Internal Review and Executive Committee**  
University of Texas Health Science Center, 2008 to present

**Member, Graduate Medical Education Committee**  
University of Texas Health Science Center, 2002 to present

SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON MEDICAL SCHOOL  
COMMITTEES

**Member, Committee on Committees**  
University of Texas Health Medical School, 2007 to present

**Member, Curriculum Committee**  
University of Texas Health Sciences Center-Medical School,  
September 1 2007 to August 31, 2010

**Vice-Chair, Alliance Executive Committee, Physical Medicine and Rehabilitation Alliance**  
Baylor College of Medicine - University of Texas Health Sciences Center, 2009- present

**Member, Recruitment Task Force, Physical Medicine and Rehabilitation Alliance**  
Baylor College of Medicine and University of Texas Health Sciences Center, 2000 - present

**Vice-Chair, Reinvention Task Force, Physical Medicine and Rehabilitation Alliance**  
Baylor College of Medicine and University of Texas Health Sciences Center-Medical School Houston, 2009 to present

**Member, Reinvention Task Force, Physical Medicine and Rehabilitation Alliance**  
Baylor College of Medicine and University of Texas Health Sciences Center-Medical School Houston, 2006 to present

**Chairperson, Graduate Medical Education Committee**  
Physical Medicine and Rehabilitation Alliance Baylor College of Medicine and  
The University of Texas

June, 2002 to present

**Member, Executive Committee**

Physical Medicine and Rehabilitation Alliance Baylor College of Medicine and  
The University of Texas  
June, 2002 to present

**Member, Graduate Medical Education Committee**

Physical Medicine and Rehabilitation Alliance Baylor College of Medicine and  
The University of Texas  
August, 2001 – June, 2002

**SERVICE ON UT-HMS AFFILIATED HOSPITAL COMMITTEES**

**Scientist, TIRR Research Council**

TIRR-Memorial Hermann Hospital  
1333 Moursund Avenue, Houston, TX 77030  
June 2008 – to present

**Chair, TIRR Research Advisory Council**

The Institute for Rehabilitation and Research  
1333 Moursund Avenue, Houston, TX 77030  
November, 2005 to March, 2007

**Chair, Environmental Safety and Infection Control Committee**

The Institute for Rehabilitation and Research  
1333 Moursund Avenue, Houston, TX 77030  
July 1997 to June, 2007

**Chair, Pharmacy & Therapeutics Committee**

The Institute for Rehabilitation and Research  
1333 Moursund Avenue, Houston, TX 77030  
July 1997 to June 2007

**Secretary, TIRR LifeBridge Medical Staff**

1333 Moursund Avenue, Houston, TX 77030  
October 1998 to June 2001

**Member, Board of Directors, TIRR FIRST**

TIRR SYSTEMS  
5100 Travis Street, Houston, TX 77002-9746  
October 1997 to 2001

**Member, Graduate Medical Education**

Department of Physical Medicine and Rehabilitation  
University of Medicine and Dentistry of New Jersey  
New Jersey Medical School

April 1993 to March 1994  
September 1995 to December 1996

**Member, Advocacy and Community Relations Committee**

Kessler Institute for Rehabilitation  
240 Central Avenue, East Orange, NJ 07018  
September 1995- December 1996

**Member, Institutional Review Board**

Kessler Institute for Rehabilitation  
240 Central Avenue, East Orange, NJ 07018  
September 1995 – December 1996

**SERVICE TO THE COMMUNITY: (NATIONAL & REGIONAL COMMITTEE ASSIGNMENTS)**

**Member**, ACGME Residency Review Committee for Physical Medicine and Rehabilitation (Accreditation Council for Graduate Medical Education) 2010-present

**National Spokesperson**, National Stroke Association, 2006-present

**Member**, Stroke Rehabilitation and Recovery Advisory Network, National Stroke Association, 2006-present

**SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

Jose Poblador, D.O.	1996-1997
Patricia Hantsch, M.D.	1997-1998
Zoraya Parilla, M.D.	1998-1999
Sunil Kothari, M.D.	1999-2000
Denise Morales, M.D.	2000-2001
Payal Fadia, M.D.	2002-2003
Eric Hartman, M.D.	2002-2004
Darlene Makulski, M.D.	2004-2005
Stephanie Sneed, M.D.	2004-2005
Jack B. Fu, M.D.	2007-2007
Meilani Mapa, M.D.	2007-2008
Natasha Eaddy, M.D.	2007-2008

**RESEARCH MENTORSHIPS**

Melani Mapa, M.D.  
Dr. Jack Fu, M.D.

**CURRENT TEACHING RESPONSIBILITIES**

**Fellowship Director, Brain Injury and Stroke Rehabilitation**  
Department of Physical Medicine and Rehabilitation  
University of Texas Health Science Center Medical School, Houston

July 1, 1998-present

**Residency Program Director**

Department of Physical Medicine and Rehabilitation  
University of Texas Health Science Center Medical School, Houston  
March 15, 2002-present

**Residency Program Director**

Physical Medicine and Rehabilitation Alliance  
Baylor College of Medicine - University of Texas Health Science Center Medical School,  
Houston  
July 1, 2002-June 30, 2007; March 12, 2008 - present

**CURRENT GRANT SUPPORT:**

**Reach to Grasp: Outfitting the RiceWrist with Grasp Sensing for Robotic Rehabilitation after SCI**

Site PI: \$7,000 - 01/01/2011 -12/31/2011

**Pre-clinical and clinical testing of FDA-approved compounds for the treatment of neuropathic pain following spinal cord injury.**

Site PI \$ 104,347 - 01/01/11 – 12/31/11

**Educational Grant for a Residency Rotation in Musculoskeletal and Interventional  
Physiatry - \$ 66,197.00**

**Allergan, Inc. – Grant ID 003592**

July 1, 2010 – June 30, 2011

**Robotic training of arm and hand movement after spinal cord injury  
- Mission Connect**

TIRR Foundation  
Principal Investigator - \$120,000  
2009-12

**Riluzole Study**

**- Mission Connect**

TIRR Foundation - \$75,000 Co-Investigator with Dr. Robert G. Grossman in the Texas  
Component of NACTN

**Traumatic Brain Injury Model Systems Grant**

National Institute for Disability and Rehabilitation Research (NIDRR)  
Co-investigator (5% Effort); Mark Sherer, PhD, Principal Investigator  
\$2,151,750.00, Competitive Renewal - Award #H133A70043, October 1, 2007-  
through September 30, 2012

**Functional Brain Reorganization in Stroke Recovery**

NIH Grant #:1P01NS046588-01A2

Co-investigator (5% Effort); Andrew C. Papanicolau, Principal Investigator  
December 1, 2004 – November 30, 2009

**Project Victory (A clinical program to serve the needs of Texas veterans of the Afghanistan and Iraq wars)**

\$3,000,000.00, California Community Foundation, Los Angeles, California  
Medical Director (20% effort)  
May 21, 2007- November 2010

**Educational Grant for a Residency Rotation in Musculoskeletal and Interventional  
Physiatry**

\$60,000.00, Allergan, Inc.  
10% Effort  
July 1, 2008 – June 30, 2009

**Robotic-assisted rehabilitation therapy for motor weakness after stroke**

Co-investigator (5% Effort); Corwin Boake, Principal Investigator  
\$150,000.00, TIRR Foundation  
July 1, 2007 – present

**A Three-Arm, Randomized Crossover Study Comparing the Innovative Neurotronics  
WalkAide™ System to Ankle-Foot Orthosis [AFO] for Walking Performance and  
Quality of Life of Adults with Hemiparesis and Foot-Drop from Cerebrovascular  
Accident (CVA)**

Principal Site Investigator  
\$31,112.00 (10% Effort), Innovative Neurotronics, Inc  
April 1, 2006 – March 31, 2009

**The Effect of Dynasplint on Range of Motion and Spasticity after Treatment with  
Botulinum Toxin A**

Principal Investigator  
\$37,126.00 (10% Effort), Dynasplint, Inc  
May 1, 2002 – June 30, 2008

**Long-term Outcome of Intrathecal Baclofen Therapy in Stroke-related Spasticity,**

Principal Investigator (10% Effort)  
\$61,386.00, Medtronic, Inc.  
January 1, 2005 – December 31, 2009

**Comparative Efficacy of Different Preparations of Botulinum Toxin-A (BOTOX) for  
Spasticity due to Acquired Brain Injuries**

Principal Investigator (10% Effort)  
\$196,000.00, Allergan, Inc  
January 2001-present

PAST GRANT SUPPORT:

**Long-term Efficacy of Repeated Botulinum Toxin-A Injections**

Principal Investigator (15% Effort)

\$31,894.00, Allergan, Inc

April 13, 2006 – April 12, 2008

**Anterior Pituitary Hormone Replacement in Traumatic Brain Injury**

Co-Investigator (5% Effort); Randy Urban, MD, Principal Investigator

Pfizer, Inc

2005-7

**Educational Grant for a Residency Rotation in Interventional Physiatry**

\$60,000.00, Allergan, Inc.

July 2007 – June 2008

**Educational Grant for a Residency Rotation in Interventional Physiatry**

\$60,000, Allergan, Inc.

July 2006 – June 2007

**Educational Grant for a Residency Rotation in Interventional Physiatry**

\$60,000.00, Allergan, Inc.

July 2005 – June 2006

**Educational Grant for a Fellowship Training in Spasticity Management**

\$50,000.00, Allergan, Inc. and Medtronic, Inc.

July 2004 - June 2005

**Educational Grant for a Fellowship Training in Spasticity Management**

\$50,000.00, Allergan, Inc. and Medtronic, Inc.

July 2003- June 4

**Traumatic Brain Injury Model Systems Grant**

National Institute for Disability and Rehabilitation Research (NIDRR)

Co-investigator; Walter High, PhD, Principal Investigator

Associate Medical Director, January 1997 –December 2002

\$1,725,000.00, Competitive Renewal - Award #H133A70015, October 1, 1997 through September 30, 2002

**An Epidemiological Observational Study of the Incidence of Deep Vein Thrombosis (DVT) in 250 US Hospitals**

Principal Site Investigator

\$10,000, Pfizer

December 2001- April 2002

**Effects of Methylphenidate on Working Memory and Cerebral Glucose Metabolism**

**in Persons with Severe Traumatic Brain Injury.**

National Institute on Disability and Rehabilitation Research

Co-Investigator (5% Effort); Harvey S. Levin, PhD, Principal Investigator

\$966,000.00

December 1, 1998 – November 30, 2002

**Rehabilitation Research and Training Center on Rehabilitation Interventions in Traumatic Brain Injury**

National Institute for Disability and Rehabilitation Research (NIDRR)

Co-investigator (5% Effort); Walter High, PhD, Principal Investigator

Associate Medical Director, January 1997 – December 2002

\$3,250,000.00 - February 1, 1992 through January 31, 1999

**Methylphenidate treatment of working memory deficit in chronic survivors of traumatic brain injury: extrapolation from an experimental model**

Rubin Family Research Fund through the Brain Injury Association

Co-Investigator (5% Effort); Harvey Levin, PhD, Principal Investigator

1997-1999

PUBLICATIONS:

A. Abstracts

Yozbatiran N, Berliner J, O'Malley MK, Kadivar Z, Pehlivan AU, Boake C, Francisco GE. *Robotic training of forearm and wrist movements after spinal cord injury*. Accepted for presentation at The Annual Conference of the Academy of Spinal Cord Injury Professionals, 5-7 September 2011, Las Vegas Nevada

Yozbatiran N, Berliner J, O'Malley MK, Pehlivan AU, Kadivar Z, Boake C, Francisco GE. *Robotic training and clinical assessment of arm and wrist movements after spinal cord injury: two case reports*. Accepted for presentation at International Neurorehabilitation Symposium, June 27-July 1, 2011 Zurich/Switzerland

Yozbatiran N, Berliner J, Boake C, O'Malley MK, Kadivar Z, Francisco GE. *Robotic training and clinical assessment of forearm and wrist movements after incomplete spinal cord injury: a case report*. Accepted for presentation at The International Conference on Rehabilitation Robotics, June 27-July 1, 2011 Zurich/ Switzerland

Kadivar Z, Sullivan JL, Pehlivan AU, Francisco GE, Yozbatiran N. *Robotic training and kinematic analysis of arm and hand after incomplete spinal cord injury: a case study*. Accepted for presentation at The International Conference on Rehabilitation Robotics, June 27-July 1, 2011 Zurich/ Switzerland

Kadivar Z, Sullivan JL, Pehlivan AU, Francisco GE, Yozbatiran N. *Robotic training and kinematic analysis of arm and hand after incomplete spinal cord injury: a case study*. Accepted for

presentation at International Neurorehabilitation Symposium, June 27-July 1, 2011 Zurich/Switzerland

Berliner J, Yozbatiran N, Francisco GE, O'Malley M, Kadivar Z, Boake C. *Robotic training of forearm and wrist movements after spinal cord injury*. Accepted for presentation at International Conference on Spinal Cord Medicine and Rehabilitation. June 4-8, 2011 Washington, DC

Chang S-H, Zhou P, Francisco GE, Li S. *Re-evaluation of EMG-Force relations in post-stroke spastic muscles using intramuscular EMG recordings*. Mission Connect Annual Scientific Symposium, Abstract/Poster, Houston, TX, December 3, 2010.

Yozbatiran N, Francisco GE, O'Malley MK, Berliner J, Kadivar Z, Boake C. *Robotic training of forearm and wrist movements after spinal cord injury: A single case study*. Mission Connect Annual Scientific Symposium, Abstract 31. Houston TX, December 3, 2010

Sullivan J, Eng D, Kadivar Z, Paehlivan A, Yozbatiran N, Francisco GE, O'Malley M. *Validation of an alternative smoothness measure to quantify forearm and wrist movement after spinal cord injury*. Mission Connect Annual Scientific Symposium, Abstract 31. Houston TX, December 3, 2010

Chang S-H, Zhou P, Francisco GE, Li S. *Re-evaluation of EMG-force relations in post-stroke spasticity muscles using intramuscular EMG recordings*. Mission Connect Annual Scientific Symposium, Abstract 7. Houston TX, December 3, 2010

Yozbatiran N, O'Malley MK, Boake C, Fisher SR, Reistetter T, Francisco GE. *Augmentation of constraint-induced movement therapy with robotic training for upper-extremity function after stroke*. Poster presented at the Association of Academic Physiatrists conference, Bonita Springs, FL. American Journal of Physical Medicine and Rehabilitation 2010; 4 (suppl): S13.

Kim A, Boake C, Francisco GE. *Improvement in gait of persons with post-stroke spastic hemiplegia after Intrathecal Baclofen (ITB) therapy: a long-term follow-up study*. Poster presented at the American Academy of Physical Medicine and Rehabilitation Conference. Austin, Texas. PM&R 1 (9, supplement) S276-277 (abstract)

Francisco GE, Boake, C. *Optimizing the Efficiency of Intrathecal Baclofen (ITB) Screening Trial for Post-Stroke Spastic Hypertonia*. (Poster) **AAPMR Annual Assembly, October 22-25, 2009, Austin, Texas**

Francisco GE, Livingston L. *Outcome of indisc community based rehabilitation program for operation Iraqi freedom personnel*. PM&R, Vol 1, Issue 9, Suppl 1, Sept. 2009. 109-10.

Manzi, SM, Francisco GE, McCarthy MR. *Computerized tomography-guided injection of the Iliopsoas muscle: An alternative technique for the intervention of spastic hypertonia*. Successful outcomes in a case series. Arch Phys Med Rehabil 2008; 89 E79.

Francisco GE. *Can Intrathecal Baclofen Therapy Facilitate Post-Stroke Motor Recovery?* J Int

Rehab Med 2008;40: (Suppl)

McCarthy M, Manzi S, Rintala DH, Francisco GE: Poster Board 139: *Safety of botulinum toxin dosing in spinal cord-injured patients compared with stroke patients*. Am J Phys Med Rehabil 2008;87(6), 467

Francisco GE, Lai JM, Wilde MC, et al. *The effect of combined dynamic orthosis and botulinum toxin-A for upper limb spastic hypertonia management: a randomized, pilot trial*. Am J Phys Med Rehabil. 2008; 87(Supplement):S9

Francisco,G.E., Smith, J.K. *Efficacy and safety of repeated high-dose botulinum toxin therapy for poststroke spastic Hypertonia: Preliminary observations*. Poster 256. Arch Phys Med Rehabil. 2007; 88(9):E84

Francisco,G.E. *Rehabilitation access, utilization, and satisfaction of poststroke survivors*. Poster 318. Arch Phys Med Rehabil. 2007; 88(9):E104

Esquenazi A, Brashear A, Elovic E, Francisco G, Subramanian T, et al. *Implementation of a web-based tool for tracking the effect of chemodenervation agents on patients with upper motor neuron syndrome (UMNS): the Patient Registry Outcomes in Spasticity (PROS) Care Study*. Proceedings of the 4<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine, 2007, p. 77

Levin H, Boake, C, Dikmen S, Temkin N, Toyanskaya M, Francisco G. *Does Methylphenidate Enhance Cognition after Moderate to Severe TBI?* Am J Phys Med Rehabil 2007; 86:329-330 (abs)

Perez-Toro MR, Francisco GE. *Functional and Quality of Life Outcomes of Intrathecal Baclofen Therapy for Severe Post-Stroke Spastic Hypertonia*. Am J Phys Med Rehabil 2007; 86(4): S130 (abs)

Patel MA, Francisco GE, Garstang SV. *Can Allied Health Professionals Accurately Use a 360-degree Evaluation to Assess PM&R Resident Performance?* Am J Phys Med Rehabil 2007; 86(4):S139 (abs)

Garstang SV, Francisco GE. *Peer evaluation of professionalism: choosing which behaviors should be assessed*. Am J Phys Med Rehabil 2007; 86(4):S125 (abs)

Francisco GE. *Rehabilitation Access and Satisfaction Among Stroke Survivors: Results of a National Survey*. Stroke 2006;38:570 (abs)

Button JH, Bruel BM, Francisco GE. *Assessment of the Musculoskeletal Examination Skills of PM&R Residents: Residents as Evaluators, Teachers, and Standardized Models*. Arch Phys Med Rehabil 2006; 87:e21(abs)

Francisco GE. *Consensus Panel Recommendations for the Use of Intrathecal Baclofen Therapy for Post-Stroke Spastic hypertonia*. Stroke 2006;37 (abs)

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Francisco GE, Boake C. *Predicting long-term outcome of intrathecal baclofen therapy in post-stroke spastic hypertonia*. Neurorehabilitation and Neural Repair, 2006;20:147 (abs)

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Francisco GE. *How Common Is Spastic Hypertonia During Acute Stroke Rehabilitation?* Arch Phys Med Rehabil 2002;83:1644 (abs)

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Jayasooriya SM, Francisco GE, Healy W. *Early Experience with the Use of Botulinum Toxin type-B in the Treatment of Upper Limb Spastic Hypertonia*. Arch Phys Med Rehabil 2002;83:1677 (abs)

Francisco GE, Ivanhoe CB, Grissom SP, Tolotta M, Chin T. *Prospective Evaluation of the Efficacy and Safety of Intrathecal Baclofen therapy for Spastic Hypertonia Due to Stroke*. Arch Phys Med Rehabil 2001;82:1341(abs)

Francisco GE, Boake C. *Can Response to Intrathecal Baclofen (ITB) Trial Predict Long-term Outcome of Reduction of Hypertonia following ITB Pump Implantation?* Arch Phys Med Rehabil 2001;82:1335 (abs)

Hu, MM, Francisco GE, Ivanhoe CB. *The Efficacy of Early Use of Intrathecal Baclofen Therapy for Muscle Hypertonia Due to Acquired Brain Injury*. Arch Phys Med Rehabil 2001;82:1303 (abs)

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Francisco GE. *Improvement in comfortable walking speed (CWS) in post-stroke spastic hemiplegia following intrathecal baclofen (ITB) therapy*. Journal of Stroke and Cerebrovascular Diseases 2001; 10:195 (abs)

Francisco GE, Arcedo P. *Efficacy of Intrathecal Baclofen Therapy in Adults with Spastic Dystonia due to Cerebral Palsy*. Proceedings of the 1<sup>st</sup> International Society of Physical and Rehabilitation Medicine Congress, p 171, Monduzzi Editore

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Francisco GE. *Successful Treatment of Post-traumatic Hemiballismus with Intrathecal Baclofen Therapy*. Arch Phys Med Rehabil 81:1309, 2000

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Greenwald BD, Francisco GE: *Facial diplegia after frontal meningioma*. (abstract) Am J Phys Med Rehabil 76:168, 1997

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Francisco GE, Chae JC, Delisa JA: *Physiatry as a primary care specialty*. Am J of Phys Med Rehabil 74:186-192, 1995

Chawla H, Francisco GE, Chae JC, et al: *Efficacy of functional electrical stimulation in motor recovery of acute stroke patients*. Presented at the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation; Orlando FL, November 16-20, 1995

Harrison J, Yablon SA, Francisco GE: *Excessive weight gain following traumatic brain injury* (abstract). Presented at the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation; Orlando FL, November 16-20, 1995

Ivanhoe CB, Lai J, Francisco GE: *Successful treatment of post-traumatic bruxism with botulinum toxin A*. Presented at the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation; Orlando FL, November 16-20, 1995

Joshi A, Francisco GE, Yablon SA, et al: *Management of post-traumatic agitation with Propranolol*. Presented at the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation; Orlando FL, November 16-20, 1995

Lai J, Francisco GE, Strayer J: *Diversion colitis following spinal cord injury*. Presented at the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation; Orlando FL, November 16-20, 1995

Francisco GE, Ivanhoe CB: *Successful treatment of post-traumatic narcolepsy with methylphenidate*. Presented at the Spring Meeting of the Association of Academic Physiatrists;; Scottsdale AR/March 1995. Am J Phys Med Rehabil 72:177, 1995

Francisco GE, Kirshblum SC, Findley T, Daum M, et al: *Improving academic productivity through scientific presentations*. Presented at the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation. Miami FL, October 1994. Arch Phys Med Rehabil: 75:1038

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## B. Refereed Original Articles in Journals

Brainin M, Norrving B, Sunnerhagen KS, Goldstein LB, et al: *Poststroke chronic disease management: towards improved identification and interventions for poststroke spasticity-related complications*. International J of Stroke 6: 4-46, 2011.

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Francisco GE, Walker W, Bouffard M, Zasler N. *Pharmacological Management of Neurobehavioral Sequelae of Traumatic Brain Injury: A Survey of Current Psychiatric Practice*. Brain Inj 2007;21(10):1007-1014.

Francisco GE, Latorre J, Ivanhoe CB. *Intrathecal Baclofen Therapy for Spastic Hypertonia in Chronic Brain Injury*. Brain Inj 2007;21(3):335-338

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Francisco GE, Boake C. *Improvement in walking speed in poststroke spastic hemiplegia after intrathecal baclofen therapy: a preliminary study*. Arch Phys Med Rehabil 2003;84(8):1194-9

Coffey R, Edgar T, Francisco GE, et al. *Abrupt Withdrawal From Intrathecal Baclofen: Recognition and Management of a Potentially Life-Threatening Syndrome*. Arch Phys Med Rehabil 2002;83:735-741

Black K, Hanks R, Wood D, Zafonte R, Cullen N, Cifu D, Englander J, Francisco G. *Blunt Versus Penetrating Traumatic Brain Injury: Frequency and Factors Associated with Secondary Conditions and Complications* J Head Trauma Rehabil 2002;17:489-496

Foxx-Orenstein A, Kolakowsky-Hayner S, Marwitz JH, Cifu DX, Dunbar A, Yablon S, Englander J, Francisco G. *Fecal incontinence following acute brain injury: incidence, risk factors, and outcomes*. Arch Phys Med Rehabil 2003;84:231-237

Francisco GE, Boake C, Vaughn A. *Botulinum toxin-A in upper limb spasticity after acquired brain injury: a randomized trial comparing dilution techniques.* Am J Phys Med Rehabil 2002;81:355-363

Francisco GE. *Intrathecal Baclofen Therapy for stroke-related Spastic Hemiplegia.* Top Stroke Rehabil 2001;8:36-46

Francisco GE, Chae J, Chawla H, et al: *Electromyogram-triggered neuromuscular stimulation for improving the arm function of acute stroke survivors: a randomized pilot study.* Arch Phys Med Rehabil 79: 570-575, 1998

Lai JM, Chuang TY, Francisco GE, et al: *Diversion colitis: A cause of abdominal discomfort in spinal cord injury patients with colostomy.* Arch Phys Med Rehabil 78(6):670-671, 1997

Ivanhoe CB, Lai JM, Francisco GE: *Bruxism after brain injury: successful treatment with botulinum toxin-A.* Arch Phys Med Rehabil 78:1272-1273, November 1997

Bontke CF, Francisco GE, Hammond F: *Should we use etidronate disodium as prophylaxis for patients with brain injury at risk for heterotopic ossification?* J Head Trauma Rehabil 11(6):80-88, 1996

Francisco GE, Ivanhoe CB: *Successful treatment of post-traumatic narcolepsy with methylphenidate: a case report.* Am J Phys Med Rehabil 75:63-65, 1996

### C. Invited Articles (Reviews, Editorials, etc.) in Journals

Francisco GE. *Intrathecal Baclofen Therapy for Post-Stroke Spastic Hypertonia.* Proceedings of the 4<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine. 2007 Monduzi Editore (*in press*)

Invited Review. Francisco G.E. *Intrathecal Baclofen in the management of post-stroke Hypertonia: Current applications and future directions.* Acta Neurochir Suppl. 2007; 97(Pt): 219-226

Invited Review. Francisco G.E. *Botulinum Toxin for Post-Stroke Spasticity.* Ann Acad Med Singapore 2007: 36:22-30

Invited Review. Francisco GE. *Botulinum toxin: dosing and dilution.* Am J PM&R 83(10) Suppl; S30-S37, 2004

Invited Review. Francisco GE. *The role of intrathecal baclofen therapy in the upper motor neuron syndrome.* Europa Medicaphysica (official journal of the Italian Society of Physical Medicine and Rehabilitation) 2004 (June) ;40:131-143

Invited review. Francisco GE. *Pharmacologic management of lower limb spastic hypertonia in stroke: what is the evidence? Report of a consensus conference on the orthotic management of stroke patients*. Condie E. (ed). Copenhagen. pp.137-147, 2004.

Invited editorial, Francisco GE. *Can intrathecal baclofen therapy unleash functional recovery after stroke?* Stroke 2001;32:2108-9

Invited review, Francisco GE, Kothari S, Huls C. *GABA agonists and gabapentin for spastic hypertonia*. Phys Med Rehabil Clin N Amer 2001;12:875-888

Invited review, Ivanhoe CB, Tilton AH, Francisco GE. *Intrathecal baclofen therapy for spastic hypertonia*. Phys Med Rehabil Clin N Amer 2001;12:923-938

Invited review, Francisco GE, Ivanhoe CB: *Pharmacologic management of spasticity in adults with brain injury*. Phys Med and Rehabil Clin N Amer 8(4): 707-731, 1997

Francisco GE: *An overview of post-stroke depression*. New Jersey Medicine 90:686-689, 1993

#### D. Chapters

Francisco GE and McGuire JC. Management of Post-Stroke Spastic Hypertonia. *In* Stein J, Zorowitz R, Harvey R, et al (eds): *Stroke Recovery and Rehabilitation*. Demos Publishing, 2008

Francisco GE. Pharmacologic Management of Spastic Hypertonia. *In* High WM, et al (eds): *Rehabilitation for Traumatic Brain Injury*. Oxford University Press, 2005

Francisco GE, Kothari SS, Schiess M, Kaldis T: Parkinson's disease and other movement disorders. *In* DeLisa JA, et al (eds): *Rehabilitation Medicine: principles and practice*. 4<sup>th</sup> edition. Lippincott-Raven. 2004

Francisco G E: 34. (231-236) Botulinum Toxin and Phenol Neurolysis. *In* Tan FC, et al (eds): *EMG Secrets: Questions and Answers Reveal the Art and Science of Electromyography*, Hanley & Belfus, 2004

Boake C, Francisco GE, Ivanhoe CB, Kothari S. Principles of Brain Injury Rehabilitation. *In* Braddom R, et al (eds): W.B. Saunders, Philadelphia, 2000

Jain SS, Francisco GE: Parkinson's disease and other movement disorders. *In* DeLisa JA, et al (eds): *Rehabilitation Medicine: principles and practice*. 3<sup>rd</sup> edition. Lippincott-Raven. 1998

#### PRESENTATIONS/LECTURES

**Guest Lecturer.** Rusk Institute's Fourth Annual Spasticity Seminar and Injection Workshop: *Muscle overactivity in the upper motor neuron syndrome; Clinical Pearls: Enhancing outcomes of chemodenervation and peripheral neurolysis and Injection techniques in chemodenervation (hands-on activity using simulation models)*, NYU Langone Medical Center, New York, NY, December 5<sup>th</sup>, 2010

**Invited Speaker.** Special Symposium. *The recovery implications of motor skills, pain, and spasticity.* 7<sup>th</sup> World Stroke Congress 2010, Seoul, Korea. October 14, 2010.

**Invited Speaker.** Special Lecture. *Botulinum Toxin Type A Injections for Treatment of Spasticity Improves Quality of Life for Patients and Caregivers.* 6<sup>TH</sup> Botulinum Toxin Forum on Neuromuscular Diseases Program. Tokyo, Japan, September 9, 2010.

**Invited Speaker.** OT Topics, Quentin Mease Hospital Occupational Therapy Program “*Rethinking Spasticity: Implications on Assessment and Management*” Houston, Texas May 13, 2010.

**Invited Speaker.** Taipei, Taiwan 2010

**Invited Speaker.** Australia, 2010

**Advisory Panel Workshop.** *Global Stroke Community Advisory Panel – Global Expert Workshop.* Vienna, Austria. March 20, 2010.

**Advisory Panel.** *European Stroke Community Advisory Panel.* Zurich, Switzerland, January 29, 2010.

**Invited Speaker.** *ITB with a focus on Post-Stroke Spasticity in Ambulatory Patients.* Presentation at the meeting “Management of Spasticity with Intrathecal Baclofen. New Orleans, LA, January 13, 2010.

**Invited Speaker.** *Botulinum neurotoxin in managing movement disorders and spasticity forum.* Meeting sponsored by the Taiwan Movement Disorders Society. Taipei International Convention Center, Taipei, Taiwan, November 28, 2009.

**Invited Speaker.** *Muscle injection techniques for Chemodenervation,* Meeting sponsored by the Hong Kong Neurological Society, Kong Movement Disorders Society, and Hong Kong Rehabilitation Association. Shangrila Hotel, Hong Kong, China, November 27, 2009.

**Keynote speaker.** *Medical management of spasticity.* Weill-Cornell Medical College New York Presbyterian Hospital, New York, New York. November 5, 2009.

**Course Director,** “*New Insights into Chronic Central Nervous System Damage and Cytoprotective Strategies*” (Course Director, Faculty and PPC Coordinator) AAPMR Annual Assembly, October 23, 2009, Austin, Texas

**Course Director,** “*Blast-Related, Post-Traumatic Headache and Ophthalmologic Disorders: Diagnosis and Management*” (Course Director, Faculty and PPC Coordinator) AAPMR Annual Assembly, October 23, 2009, Austin, Texas

**Invited Speaker,** “*Functional Improvements in Ambulatory Stroke Patients*”, 5th World Congress of the International Society of Physical Medicine and Rehabilitation Medicine, (ISPRM), Istanbul, Turkey. June 13, 2009

**Invited Speaker,** “*L’Infiltrazione con tossina butolica e Baclofen intratecale: trattamenti sequenziali o concomitanti*” (*The treatment with botulinum toxin and Intrathecal Baclofen: sequential or concomitant treatment*), International Workshop, Centro Congressi IRCCS Fondazioni Santa Lucia, Rome, November 27-29, 2008

**Invited Speaker**, “*The Role of Spasticity Management in Post-stroke Disability.*” General Hospital Session, Institut Guttmann (Hospital de Neurorehabilitació, Institut Universitari) Barcelona, Spain. September 17, 2008

**Invited Speaker**, “*An American Model for a Neurorehabilitation Unit.*” IV Congreso de la Sociedad Española de Neurorehabilitación and the Regional Congress of the World Federation for Neurorehabilitation, Santiago de Compostela, Spain. September 18, 2008

**Invited Speaker**, “*Bombas de Baclofen en el ACVA*” (Baclofen Pumps for Severe Spasticity due to Stroke”) IV Congreso de la Sociedad Española de Neurorehabilitación and the Regional Congress of the World Federation for Neurorehabilitation, Santiago de Compostela, Spain. September 18, 2008

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**Invited Speaker**, *Chemodenervation Workshop*. 6<sup>th</sup> Post-Graduate Course of the Department of Neurosciences, University of the Philippines-Philippine General Hospital, Manila, Philippines, July 26, 2008

**Invited Speaker**, *Chemodenervation 2008: Clinical Pearls and Controversies*. Department of Rehabilitation Medicine, University of the Philippines-Philippine General Hospital, Manila, Philippines, July 25, 2008

**Invited Speaker**, *Neurorehabilitation of the Injured Brain: Focus on Neuropharmacology*. 6<sup>th</sup> Post-Graduate Course of the Department of Neurosciences, University of the Philippines-Philippine General Hospital, Manila, Philippines, July 25, 2008

**Invited Speaker**, *What’s New in Botulinum Toxin Therapy for Spasticity?* Department of Rehabilitation Medicine, Tan Tock Seng Hospital, Singapore, July 23, 2008

**Invited Speaker**, *The Role of Botulinum Toxins in the Management of Focal and Segmental Spasticity*. Physical Medicine and Rehabilitation Physicians of Thailand. Novotel Hotel, Bangkok, Thailand, July 21, 2008.

*Chemodenervation and Neuroplasticity*. Weekly Conference. The Institute for Rehabilitation and Research-Memorial Hermann. June 23, 2008.

**Invited Speaker**, *Spasticity Management: “The Latest and The Greatest.”* 2008 Annual Expo and Seminar. The Southeast Texas Chapter of The Association of Rehabilitation Nurses. Memorial Northwest Hospital. June 17, 2008.

**Invited Speaker**, *Botulinum Toxin Therapy for the Upper Motor Neuron Syndrome*, First Asian Oceania Congress in Physical and Rehabilitation Medicine, Nanjing, China, May 18, 2008

**Invited Speaker**, *Can Intrathecal Baclofen Therapy Influence Post-stroke Motor Recovery?* First Asian Oceania Congress in Physical and Rehabilitation Medicine, Nanjing, China, May 18, 2008

**Invited Speaker, Spasticity Management, 3<sup>rd</sup> Annual State of the Art in Physical Medicine and Rehabilitation, Department of Physical Medicine and Rehabilitation, University of North Carolina School of Medicine, May 2, 2008**

**Invited Speaker, Traumatic Brain Injury Rehabilitation, 3<sup>rd</sup> Annual State of the Art in Physical Medicine and Rehabilitation Department of Physical Medicine and Rehabilitation, University of North Carolina School of Medicine, May 2, 2008**

**Invited Speaker, A Closer Look at Spastic Hypertonia: What It Is and What It Is Not. Department of Physical Medicine and Rehabilitation, New York University, New York, New York, April 5, 2008**

**Invited Speaker, Botulinum Toxins for Spasticity Management. Department of Physical Medicine and Rehabilitation, New York University, New York, New York, April 5, 2008**

**Invited Speaker, Intrathecal Baclofen Therapy for Stroke: Clinical Pearls and Controversies. Symposium 2008: Advances in Stroke Rehabilitation - Innovations in Practice. Department of Rehabilitation Medicine, New York-Presbyterian Hospital, April 4, 2008**

**Invited Speaker, Intrathecal Baclofen therapy to Enhance Post-Stroke Motor Recovery. Third National Forum for Intrathecal Baclofen Therapy Services. Sponsored by The West Midlands Rehabilitation Centre, South Birmingham Primary Care Trust, National Health System, Crowne Plaza Hotel Birmingham (NEC), Birmingham, England, April 3, 2008**

**Invited Speaker, Intrathecal Baclofen Therapy for Stroke: Clinical Pearls and Controversies. Intrathecal Baclofen Therapy Meeting, Dublin, Ireland, April 2, 2008**

**Invited Discussant, Panel Discussion: Spasticity, Plasticity, Relearning. Annual Meeting of the Association of Academic Physiatrists, Anaheim, CA, February 23, 2008**

**Invited Speaker, Intrathecal Baclofen therapy to Enhance Post-Stroke Motor Recovery, Annual Meeting of the Taiwan Neurosurgical Society, Taipei, Taiwan, November 25, 2007**

**Invited Speaker, Spasticity Management: Optimizing Outcomes with Novel Technology, Forum of Intrathecal Drug Therapy, Taipei, Taiwan, November 24, 2007.**

**Invited Speaker, The Role of Intrathecal Baclofen therapy in Enhancing Post-stroke Motor Recovery. Grand Rounds. Rancho Los Amigos Medical Center, Downey, CA, November 15, 2007**

**Invited Speaker, The Role of ITB Therapy in Post-Stroke Motor Recovery. St. Luke's Hospital, Cedar Rapids, IA, November 15, 2007**

**Invited Speaker, Pharmacologic Management of Generalized or Multi-focal Spastic Hypertonia Carolinas Institute of Rehabilitation, Charlotte, NC, October 26, 2007**

**Invited Speaker, Intrathecal Baclofen Therapy: Post-Implantation Management, Carolinas Institute**

of Rehabilitation, Charlotte, NC, October 26, 2007

**Invited Speaker, *The Role of ITB Therapy in Post-Stroke Motor Recovery***, Walkergate Park centre for Neuro-rehabilitation and Neuro-psychiatry, Newcastle-upon-Tyne, England, October 15, 2007

**Invited Speaker, *The Role of ITB Therapy in Post-Stroke Motor Recovery***, Meeting of Stroke Association of the Midlands, Oxford, England, October 16, 2007

**Invited Speaker, *Functional Consequences of Brain Trauma***, UT-Houston Graduate School of Biomedical Sciences. The Neurobiology of Disease – GS140021 “Neurodegenerative Diseases” Course. Houston, Texas, September 11, 2007

**Invited Speaker, *Use of Intrathecal Baclofen in Patients with Upper Motor Neuron Injury and Disease***. Cornell and Columbia Medical Schools and Departmental OTs and PTs, New York, New York, August 24, 2007

**Invited Speaker, *Functional Consequences of Brain Trauma***, The Neurobiology of Disease: Neurodegenerative Disease Graduate Course. University of Texas Health Science Center-Houston, September 11, 2007

**Interviewing Skills**. PM&R Alliance, Baylor College of Medicine and University of Texas Resident Didactic Series, Jaworski Classroom, Baylor College of Medicine, Houston, TX, July 13, 2007

**Poster Presentation. *Botulinum toxin-A treatment of spastic hypertonia of the shoulder girdle muscles***. 4<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine. Seoul, Korea, June 12, 2007

**Keynote Speaker, *Spasticity Management***. 4<sup>th</sup> World Congress of the International Society of Physical and Rehabilitation Medicine, Seoul, Korea, June 11, 2007

**Keynote Speaker, *Intrathecal Baclofen therapy for the Management of Spastic Hypertonia and Related Motor Disorders***. 44<sup>th</sup> Annual Meeting of the Japanese Association of Rehabilitation Medicine, Kobe, Japan, June 8, 2007

***Contemporary Management of Post-stroke Spastic Hypertonia***. Neuroscience Research Retreat. Memorial Hermann Hospital, Houston, TX, May 22, 2007.

**Invited Speaker, *Traumatic Brain Injury Rehabilitation***, Department of Physical Medicine and Rehabilitation, Loma Linda University, Loma Linda, CA, April 27, 2007

**Invited Speaker, *Updates in Neuropharmacology***, Department of Physical Medicine and Rehabilitation, Loma Linda University, Loma Linda, CA, April 27, 2007

**Invited Speaker, *Botulinum Toxin Therapy for Spastic Hypertonia: Technical Considerations***, Department of Physical Medicine and Rehabilitation, Loma Linda University, Loma Linda, CA, April 27, 2007

***Invited Speaker, Intrathecal Baclofen Therapy for Ambulatory Stroke Patients***, Department of Physical Medicine and Rehabilitation, Loma Linda University, Loma Linda, CA, April 27, 2007

***Invited Speaker, Contemporary Management of Post-Stroke Spastic Hypertonia***. 4<sup>th</sup> Annual Utah Stroke Symposium. American Stroke Association. Radisson Hotel. Salt Lake City, March 31, 2007.

***Invited Speaker, Practical Applications of Botulinum Toxin Therapy in Physiatry***, Department of Physical Medicine and Rehabilitation, Rusk University-New York University Medical Center, New York, NY, March 10, 2007

***Invited Speaker, Botulinum Toxin Therapy for Spastic Hypertonia: Technical Considerations***. Department of Physical Medicine and Rehabilitation, Rusk University-New York University Medical Center, New York, NY, March 10, 2007

***Invited Speaker, Spasticity Hypertonia Assessment***, Department of Physical Medicine and Rehabilitation, Rusk University-New York University Medical Center, New York, NY, March 10, 2007

***Invited Speaker, Spasticity Management***, 2<sup>nd</sup> Annual State of the Art in Physical Medicine and Rehabilitation, Department of Physical Medicine and Rehabilitation, University of North Carolina School of Medicine, March 8, 2007

***Invited Speaker, Traumatic Brain Injury Rehabilitation***, 2<sup>nd</sup> Annual State of the Art in Physical Medicine and Rehabilitation Department of Physical Medicine and Rehabilitation, University of North Carolina School of Medicine, March 8, 2007

***Botulinum Toxin Therapy for Spastic Hypertonia: Current Concepts and Applications in Physiatric Practice***. Cardinal Glennon Hospital. St. Louis, MO, December 15, 2006

***Report of the Workgroup on Indications for Use of Botulinum Neurotoxin in the Upper Motor Neuron Syndrome***. International Conference on Neurotoxins. Fort Lauderdale, FL, December 1, 2006

***Managing Spasticity with Neurolytics: Blind, EMG or Ultrasound Guidance***. 67<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Honolulu, HI, November 12, 2006

***Botulinum toxin for Myofascial Pain***. PASSOR Meeting at the 67<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Honolulu, HI, November 11, 2006

***Spasticity and Dystonia for Adults: Nerve and Motor Point Blocks with Phenol and/or Botulinum Toxins***. 67<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Honolulu, HI, November 10, 2006

*Muscle Localization Techniques for Electromyography and Chemoneurolysis.* 67<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Honolulu, HI, November 9, 2006

*Updates in Neuropharmacology.* Rehabilitation Solutions XXII. Memorial Hermann-The Institute for Rehabilitation. Houston, TX. November 2, 2006.

*Practical Assessment of Spastic Hypertonia.* PM&R Alliance, Baylor College of Medicine and University of Texas Resident Didactic Series, Memorial Hermann-The Institute for Rehabilitation and Research, Houston, TX , October 27, 2006

***Invited Speaker.*** *Maximizing Motor Recovery after Stroke.* St. Louis PM&R Society, St. Louis, MO, October 30, 2006

*Practical Assessment of Spastic Hypertonia.* Memorial Hermann-The Institute for Rehabilitation and Research Outpatient Therapy Services, Houston, TX, October 26, 2006

*Managing Ambulatory Stroke Patients with Intrathecal Baclofen Therapy.* Weekly Case Conference, Memorial Hermann-The Institute for Rehabilitation and Research Houston, TX, October 23, 2006

***Keynote Speaker.*** *Updates in Neuropharmacology.* 6<sup>th</sup> Congress of the Mediterranean Society of PRM and Congress of the Portuguese Society of PRM. Vilamoura, Portugal, October 21, 2006

***Invited Speaker,*** *Efficacy of Intrathecal Baclofen Therapy: Patient Selection,* Chang-Gung Hospital, Kaoshiung, Taiwan, September 30, 2006

***Invited Speaker,*** *Intrathecal Baclofen Therapy for Spasticity Resulting from Stroke and Spinal Cord Injury,* Veterans General Hospital, Taipei, Taiwan, September 29, 2006

***Invited Speaker,*** *Efficacy of Intrathecal Baclofen Therapy: Patient Selection,* Taipei City Hospital, Taipei, Taiwan, September 28, 2006

***Invited Speaker,*** *Intrathecal Baclofen Therapy for Spasticity Resulting from Stroke and Spinal Cord Injury,* Chang-Gung Hospital, Taipei, Taiwan, September 28, 2006

***Invited Speaker.*** *Intrathecal Baclofen Therapy.* Our Lady of Lourdes Rehabilitation Hospital, Wichita, KS, September 25, 2006

***Invited Speaker,*** *The Role of Intrathecal Baclofen Therapy in Maximizing Post-stroke Motor Recovery.* Grand Rounds, Department of PM&R, Louisiana State University, Touro Hospital, New Orleans, LA, September 22, 2006

*Stroke Motor Recovery and Rehabilitation.* PM&R Alliance, Baylor College of Medicine and University of Texas Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX , September 1, 2006

**Invited Speaker.** *Practical Rehabilitation to Maximize Functional Recovery in Stroke.* Brooklyn Stroke Symposium 2006. American Heart Association, Brooklyn Marriott Brooklyn Bridge, NY, April 28, 2006

*Pain in the Brain?* Weekly Conference, The Institute for Rehabilitation and Research, Houston, TX. April 17, 2006

*Traumatic Brain Injury: Pharmacologic Principles.* Lecture series for Neuropsychology Post-doctoral Students, University of Houston, April 3, 2006

**Invited Speaker.** *Stroke Rehabilitation: Imagine the Possibilities!*. “Stroke Survivor Conference: Surviving Stroke: The Journey Together”. Sponsored by the University of Texas School of Nursing Center on Aging. United Way of Texas Gulf Coast. Houston, TX, April 1, 2006

**Invited Speaker.** *Intrathecal Baclofen Therapy: Troubleshooting Complications.* Craig Hospital, Denver, CO. March 15, 2006

**Course Director.** *Residency Education: Issues in 2006 and Beyond.* Annual Meeting of the Association of Academic Physiatrists. Daytona Beach, FL, March 2-4, 2006

**Poster Presentation,** *Intrathecal Baclofen (ITB) Therapy for Post-Stroke Spastic Hypertonia: Recommendations of a Consensus Panel.* International Stroke Conference, American Stroke Association, Kissimmee, FL, February 15, 2006

**Poster Presentation,** *Predicting long-term reduction in stroke-related spasticity after intrathecal baclofen therapy.* World Congress of Neurorehabilitation, Hong Kong, China, February 14, 2006

**Oral Paper Presentation,** *Intrathecal Baclofen (ITB) Therapy for Post-Stroke Spastic Hypertonia: Recommendations of a Consensus Panel.* World Congress of Neurorehabilitation, Hong Kong, China, February 14, 2006

**Invited Speaker,** *Grand Rounds. The Use Botulinum Toxin Therapy in Spasticity and Pain.* Department of Physical Medicine and Rehabilitation, University of Texas-Southwestern, Dallas, TX, January 6, 2006.

**Invited Speaker.** *Applications of Botulinum Toxin Therapy in Physiatric Practice.* Dallas-Forth Worth PM&R Society, Dallas, TX, December 15, 2005.

*Changing Health Care Reimbursement: Opportunities for the Present and the Future for Spasticity Programs.* 66<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Philadelphia, PA, October 28, 2005

*Muscle Localization for Electromyography and Chemodenervation Workshop.* 66<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Philadelphia, PA, October 28, 2005

*Pain in the Brain?* 66<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Philadelphia, PA, October 28, 2005

*Cortical Reorganization: Clinical and Physiologic Correlates.* 66<sup>th</sup> Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Philadelphia, PA, October 27, 2005

**Invited Speaker, Grand Rounds.** *Intrathecal Baclofen for Post-stroke Spastic Hypertonia.* Department of Neurology, Sticht Center, Wake Forest University, Winston-Salem, NC, October 11, 2005

*Concussion in Sports.* PM&R Alliance, Baylor College of Medicine and University of Texas Weekly Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, August 31, 2005

*How To Conduct Yourself Before, During, and After an Interview.* PM&R Alliance, Baylor College of Medicine and University of Texas Weekly Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, July 29, 2005

*Course Director. Botulinum Toxin in Contemporary Neurologic and Psychiatric Practice.* Physical Medicine and Rehabilitation Alliance of the Baylor College of Medicine and University of Texas. Marriott Medical Center, Houston, TX, June 18, 2005

**Invited Speaker.** *Results of the U.S. Multi-Center Study on the Use of Intrathecal Baclofen for Stroke.* Forum for ITB Management of Post-Stroke Spasticity, Bolzano, Italy, May 24, 2005

**Invited Speaker.** *Intrathecal Baclofen in Ambulatory Stroke Patients.* Forum for ITB Management of Post-Stroke Spasticity, Bolzano, Italy, May 23, 2005

**Invited Speaker.** *Treatment Options for Spasticity.* An Interdisciplinary Approach to Neurotrauma Care. Contemporary Forums. Seattle, WA, May 11, 2005

**Invited Speaker.** *Spasticity: Understanding the Scope of the Problem and Assessment.* An Interdisciplinary Approach to Neurotrauma Care. Contemporary Forums. Seattle, WA, May 11, 2005

**Invited Speaker,** *The Role of Botulinum Toxin in Post-stroke Spasticity, Evaluation and Treatment of the Patient with Post-stroke Spasticity: 2<sup>nd</sup> Annual Spasticity Symposium.* The Movement Disorders Society of Southwest Florida Foundation, Inc. Sarasota, FL, April 23, 2005

**Invited Speaker.** *Grand Rounds. Treatment Options for Spasticity.* Department of Physical Medicine and Rehabilitation, University of Kansas Medical Center, April 22, 2005

**Invited Speaker.** *Spasticity: Understanding the Scope of the Problem.* Kansas Physical Medicine and Rehabilitation Society, April 21, 2005

**Poster Presentation.** Francisco GE, Aggarwal P, Boake, C. Efficacy of botulinum toxin-A treatment of spastic hypertonia of forearm pronators: pronator teres vs quadratus. Presented at the 3<sup>rd</sup> Congress of the International Society of Physical and Rehabilitation Medicine. Sao Paolo, Brazil, April 13, 2005.

*Aphasias.* 38th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, TX, April 6, 2005

*Brain injury rehabilitation: general concepts and medical complications.* 38th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, TX, April 6, 2005

*Stroke Rehabilitation.* Department of Assistive and Rehabilitative Services Meeting. Marriott Medical Center, Houston. January 24, 2005.

**Invited Speaker.** *PT/OT Grand Rounds. Chemodenervation in spasticity management: optimizing therapeutic outcomes.* Sponsored by the University of Kansas School of Medicine. Wyndham Greenspoint Hotel, Houston, TX, November 13, 2004.

*Management of Spastic Hypertonia in Stroke.* PM&R Alliance, Baylor College of Medicine and University of Texas Weekly Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, October 29, 2004.

*Motor Impairments in Stroke.* PM&R Alliance, Baylor College of Medicine and University of Texas Weekly Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, October 15, 2004.

**Invited Speaker,** *Contemporary Management of Spasticity in Persons with Spinal Cord Injuries.* Spinal Cord Injury Insights: Backbones and Barriers Conference. Cox Convention Center, Oklahoma City, OK, October 1, 2004.

**Invited Speaker,** *Grand Rounds. Botulinum toxin, the first ten years: Lessons Learned and Opportunities for Advancement.* Department of Physical Medicine and Rehabilitation, Charlotte Institute of Rehabilitation. Charlotte, NC, Sept 3, 2004.

**Invited Speaker,** *Grand Rounds. Botulinum toxin, the first ten years: Lessons Learned and Opportunities for Advancement.* Department of Physical Medicine and Rehabilitation, Baylor Institute for Rehabilitation. Dallas, TX, Aug 10, 2004.

*Stroke Rehabilitation.* Resident Lecture Series. Department of Neurology, Baylor College of Medicine, Houston, TX, June 25, 2004

Francisco GE, Atchison TA, Yablon SA, Hammond FM, Englander J. *Medical Complications and Associated Injuries of Traumatic Brain Injury.* Accepted for presentation at the 8<sup>th</sup> Congress of the European Federation of Rehabilitation Research, Ljubljana, Slovenia, June 13-17, 2004

*Stroke Rehabilitation: Imagine the Possibilities.* Southeast Texas Chapter of the Association of Rehabilitation Nurses. TIRR Hospital, Houston, TX, April 27, 2004

*Focal Chemodenervation Techniques.*” Focal Chemodenervation for Muscle Overactivity Including Spasticity in the Upper Motoneuron Syndrome” Regional Training Workshop. Neurotoxin Institute, Dallas, TX, April 24, 2004

**Invited Speaker,** *Spasticity Management,* Central States PM&R Society, St. Louis, MO, April 3, 2004

**Invited Speaker,** *Update in the Management of Spasticity and the Role of Botulinum Toxin A.* The Movement Disorders Society of Southwest Florida Foundation, Inc. Sarasota, FL, March 27, 2004

*Aphasias.* 38th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 24, 2004

*Brain injury rehabilitation: general concepts and medical complications.* 38th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 24, 2004

**Invited Speaker,** “*The Management of Spasticity in Traumatic Brain Injury.*” *Espasticitat a Rehabilitació* (Spasticity and Rehabilitation), Reunió anual de la Societat Catalana de Rehabilitació I Medicina Física (Annual Meeting of the Catalan Society of Physical Medicine and Rehabilitation), Vall d’Hebron Hospital Traumatologia i Rehabilitació, Barcelona, Spain, March 12, 2004.

**Course Director,** *Contemporary Management of the Upper Motor Neuron Syndrome: Linking Evidence to Clinical Practice.* Annual Assembly of the Association of Academic Physiatrist, Albuquerque, New Mexico, February 26-28, 2004

**Invited Opening Keynote Speaker,** *Brain Injury Association of Colorado,* “The Impact of Medical Complications and associated Injuries of Traumatic Brain Injury: Recent Findings and Implications,” Vail, CO, October 2, 2003

**Invited Speaker,** *Imagine the Possibilities: Stroke Rehabilitation.* The New Age of Neuroscience: “Parkinson’s Epilepsy Stroke and Neuropsychology”: Conference for PCP and Health Care Professionals, November 7-8, 2003, Clearwater, FL.

**Course Director and Speaker,** *Spasticity Assessment Workshop,* Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Chicago, IL, October 11, 2003

**Invited Speaker,** *Pharmacologic Management for Spasticity of the Lower Limb.* *International Society for Prosthetics and Orthotics,* “*Orthotics Management of Stroke Patients*”, Conference Centre Avegoor, Ellecom, the Netherlands. September 21-26, 2003

**Invited Speaker**, Farmaci a somministrazione intratecale: indicazioni e limiti (*Intrathecal Baclofen Therapy: indications and limitations*) Sindrome del Motoneurone Superiore: Spasticita e Correlati Disordini Del Movimiento. A Manzoni Hospital, Lecco, Italy, June 5-7, 2003

**Course Director**. *Spasticity Workshop*. 5<sup>th</sup> World Congress of the International Brain Injury Association, Stockholm, Sweden, May 23, 2003

**Invited Speaker**, *Intrathecal Baclofen Therapy in Brain Injury*. 5<sup>th</sup> World Congress of the International Brain Injury Association, Stockholm, Sweden, May 23, 2003

**Invited Speaker**, *Botulinum Toxin: Dosing and Dilution*. Spasticity Conference, Drake Rehabilitation Center, Cincinnati, OH, April 19, 2003

*Aphasias*. 37th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 20, 2003

*Brain injury rehabilitation: general concepts and medical complications*. 37th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 20, 2003

*Clinical Assessment of Spastic Hypertonia*, PM&R Alliance, Baylor College of Medicine and University of Texas. Weekly Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, January 3, 2003

**Course Director**, *Distinguished Lectureship Series*, PM&R Alliance, Baylor College of Medicine and University of Texas. Electrophysiology Workshop. Jun Kimura, M.D., Guest Speaker. TIRR, Houston, TX, December 7, 2002

*Neuropharmacology of Chronic Symptoms of Brain Injuries*. PM&R Alliance, Baylor College of Medicine and University of Texas Weekly Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, December 6, 2002

**Oral Paper Presentation**, “How Common Is Spastic Hypertonia During Acute Stroke Rehabilitation?” Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, November 23, 2002, Orlando, FL

**Course Director**, “Practical Assessment of Spastic Hypertonia: A Hands-On Workshop”. Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, November 22, 2002, Orlando, FL

**Keynote Speaker**, Pharmacologic Management of Spasticity, *Advances in Neurorehabilitation: Brain Injury and Spinal Cord Injury*. Mount Sinai Rehabilitation Center, Mount Sinai School of Medicine, November 16, 2002, New York, NY

*Spastic Hypertonia Management in Stroke: What is the Evidence?.* PM&R Alliance, Baylor College of Medicine and University of Texas Weekly Resident Didactic Series, The Institute for Rehabilitation and Research, Houston, TX, November 8, 2002

*Research Roundtable: Botulinum Toxin.* 74<sup>th</sup> meeting of the American Congress of Rehabilitation Medicine, pre-symposium, October 4, 2002, Philadelphia, PA

*Stroke Rehabilitation: Recent Findings.* 74<sup>th</sup> meeting of the American Congress of Rehabilitation Medicine, pre-symposium, October 3, 2002, Philadelphia, PA

*Therapeutic Advances in the Management of Stroke-related Spastic Hypertonia.* American Stroke Association meeting. Portland, OR, September 16, 2002, Philadelphia, PA

**Invited Speaker,** *Neuropharmacology,* Congress of the Colombian Society of Physical Medicine and Rehabilitation, Cartagena, Colombia, S.A., August 15, 2002

**Invited Speaker,** *Advances in the Management of Spastic Hypertonia,* Conceptos en el tratamiento de las secuelas cognitivas, afectivas, y comportamentales del trauma craneo encefálico. XXI Congreso Nacional de Medicina Física y Rehabilitación (Congress of the Colombian Society of Physical Medicine and Rehabilitation), Cartagena, Colombia, S.A., August 17, 2002

**Invited Speaker,** *Advances in the Management of Spastic Hypertonia,* XXI Congreso Nacional de Medicina Física y Rehabilitación (Congress of the Colombian Society of Physical Medicine and Rehabilitation), Cartagena, Colombia, S.A., August 17, 2002

**Invited Speaker,** *Intrathecal Baclofen Therapy for Cerebral Origin Spasticity, II Congreso de la Sociedad Española de Neurorehabilitación* (Second Congress of the Spanish Society of Neurorehabilitation), Barcelona, Spain, June 19, 2002

**Invited Speaker,** *New Techniques for Spasticity Management in Stroke,* Southern Society of Physical Medicine and Rehabilitation Annual Meeting, Atlanta, GA, May 25, 2002

**Invited Speaker,** *Recent Innovations in Spasticity Management.* American Stroke Association, Pittsburgh, PA, May 21, 2002

**Invited Speaker,** *New Approaches to the Management of Spastic Hypertonia.* United Cerebral Palsy Association, Dallas, TX, May 15, 2002

**Invited Speaker,** *Chemodenervation for Focal Spastic Hypertonia Management.* Austin Neurological Society Meeting, Austin, TX, April 15, 2002

**Invited Speaker,** *Longitudinal Effects of Intrathecal Baclofen on the Quality of Life and Function of Stroke Survivors with Spastic Hypertonia,* Third World Congress of Neurorehabilitation, Venice, Italy, April 4, 2002

*Aphasias*. 36th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 20, 2002

*Brain injury rehabilitation: general concepts and medical complications*. 36th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 20, 2002

**Invited Speaker**, Practical Approach to the Management of Spasticity, Institute for Continuing Healthcare Education, Scottsdale, AZ, February 8 and 9, 2002

**Invited Speaker**, Intrathecal Baclofen for Spastic Hypertonia, HealthSouth Rehabilitation Hospital, Las Vegas, February 2, 2002

*Introduction to Neuropharmacology*. Physical Therapy Department, Texas Women's University, Houston, December 10, 2001

*Neuropharmacology Topics*. Rehab Solutions Course, sponsored by The Institute for Rehabilitation and Research, Marriott Medical Center, Houston, Oct 26, 2001

*Chemodenervation for Spasticity Management*. Grand Rounds, Department of PM&R, University of Arkansas, Little Rock, Sept 21, 2001

**Invited Speaker**, *Intrathecal Baclofen therapy for Stroke*, Third Meeting of the North American Stroke Association, San Diego, CA, August 17, 2001

**Course Director**, *Spasticity Management Workshop*, Brain Injury Association Meeting, Atlanta, GA, July 28, 2001

**Course Director**, *Advancements in Spasticity Management*. First Meeting of the International Society of Physical and Rehabilitation Medicine. Amsterdam, The Netherlands, July 13, 2001

*New Advances in Therapies*. National Stroke Association. Houston, TX, June 18, 2001

*Drug Update: Spasticity*. The Institute for Rehabilitation and Research, May 21, 2001

**Course Director**, *Advancements in Spasticity Treatment Workshop*. Third World Congress of the International Brain Injury Association, May 4, 2001, Turin, Italy

*Chemodenervation in the Management of Spasticity: Injection Technique and Practice Management*. Institute for Continuing Healthcare Education, Atlanta, GA, March 31, 2001

*Management of Spasticity*. Kelsey-Seybold Medical Staff, Houston, March 28, 2001

*Management of Focal Spasticity: Focus on Botulinum toxins*. Physical Therapy Department, Hermann Hospital, Houston, March 23, 2001

*Brain injury rehabilitation: general concepts and medical complications.* 35th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 14, 2001

*Acute ITB Withdrawal,* Medical Staff Conference, The Institute for Rehabilitation and Research, Houston, TX, March 12, 2001

*Chemodenervation in the Management of Spasticity: Injection Technique and Practice Management.* Institute for Continuing Healthcare Education, Dallas, TX, March 10, 2001

**Invited speaker,** *Advances in the management of cerebral and spinal origin spasticity.* Providence Portland Medical Center. Portland, Oregon, February 23, 2001

**Invited speaker,** *Intrathecal baclofen therapy for severe spasticity.* Amarillo Neuroscience Society, Amarillo, Texas, February 20, 2001

*Chemodenervation in the Management of Spasticity: Injection Technique and Practice Management.* Institute for Continuing Healthcare Education, San Francisco, CA, February 17, 2001

*Advances in the Management of Focal Spasticity and Abnormal Muscle Activity.* Rehab Solutions Meeting. The Institute for Rehabilitation and Research. Houston, TX, Feb 1, 2001

**Invited speaker,** Grand Rounds, *Complementary Approach to the Management of Spasticity.* Department of Physical Medicine and Rehabilitation. Santa Clara Valley Medical Center, San Jose, CA. January 18, 2001

**Invited Speaker,** Grand Rounds. *Botulinum Toxin Therapy for Spasticity: Beyond the Basics.* Department of Physical Medicine and Rehabilitation, Baylor College of Medicine, University of Texas Health Sciences Center, January 12, 2001

*Neuropharmacology.* Resident Lecture Series. Department of Physical Medicine and Rehabilitation, Baylor College of Medicine, University of Texas Health Sciences Center, December 15, 2000

Invited speaker, *Traumatic Brain Injury: A Physiatrist's Perspective.* American Psychosomatic Medicine Meeting. Palm Springs, CA, November 18, 2000

*Botulinum Toxin Therapy for Spasticity.* National Stroke Association Meeting. Houston, TX, November 9, 2000

Invited speaker, *Emerging Therapies for Pain Management and Spasticity.* Healthsouth Rehabilitation Hospital of Midland/Odessa, October 28, 2000

Invited speaker, *Management of Spasticity: Therapeutic Advances in the New Century.* HealthPartners Institute for Medical Education and Regions Hospital Rehabilitation Institute. St. Paul, MN, October 19, 2000

Invited speaker, *The Management of Focal Spasticity: Clinical Trends and Challenges*. Colorado Neurological Institute Lectureship Series, Swedish Medical Center, Englewood, CO, August 30, 2000

*Ritalin revisited: Does it really work in brain injury rehabilitation?* Texas Brain Injury Association, 18<sup>th</sup> Annual Conference, Austin, TX, August 26, 2000

*Management of Spasticity and Abnormally Increased Tone*. Mesa Lutheran Hospital, Phoenix, AZ, August 18, 2000

Course Director, *Does Constraint-Induced Therapy Work in Brain Injury?* Brain Injury Association, 19<sup>th</sup> Annual Symposium, Chicago, July 29 – August 1, 2000

Course Director, *Spasticity Management in the New Century*. Brain Injury Association, 19<sup>th</sup> Annual Symposium, Chicago, July 29 – August 1, 2000

*Update on the Management of Spasticity and Muscle Overactivity*, Avera-St Luke's Hospital, Aberdeen, SD, July 10, 2000

*Botulinum Toxin Therapy: Clinical Trends and Challenges*. Southern PM&R Society Meeting, Biloxi, MS, June 24, 2000

*Practical Assessment of Spasticity*. Spasticity Management Course, Kaiser Permanente, Vallejo, CA, June 3, 2000

*Botulinum Toxin Therapy: Clinical Trends and Challenges*. Spasticity Management Course, Kaiser Permanente, Vallejo, CA, June 3, 2000

*The Management of Focal Spasticity: Current Trends and Future Directions* Grand Rounds, Departments of Neurology and Physical Medicine and Rehabilitation, University of Illinois, Chicago, April 13, 2000

Course Director, *An Integrated Approach to the Management of Spasticity of Cerebral Origin*, Martha Jefferson Hospital-John Jane Brain Injury Center, Charlottesville, VA, March 17-18, 2000

*Brain injury rehabilitation: general concepts and medical complications*. 34th Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine. Houston, March 6, 2000

*Maximizing Outcome of spasticity management*, Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Washington, D.C., November 13, 1999

*Movement Disorders after brain injury*, Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Washington, D.C., November 13, 1999

*Intrathecal baclofen therapy for cerebral origin spasticity*, Dayton Neurological Society, November 3, 1999, Dayton, Ohio

*Spasticity Management*, Annual Meeting of the Texas Physical Therapy Association, Houston, TX, September 19, 1999

*Intrathecal Baclofen Therapy*, Spasticity Management Workshop, JFK-Johnson Rehab Hospital, Edison, NJ, September 17-18, 1999

*Grand Rounds: Management of Spasticity of Cerebral Origin*, Department of Neurology, University of Texas, Houston, August 20, 1999

*Botulinum Toxin in the Management of Spasticity of Cerebral Origin*, McAllen Medical Center, McAllen, TX, June 26, 1999

Course Director, Lewis Levitt, M.D. Memorial Lectureship, Baylor College of Medicine, Houston, June 25, 1999

Course Director, *An Integrated Approach to the Management of Spasticity of Cerebral Origin*, Third World Congress of the International Brain Injury Association, Quebec City, Quebec, June 12, 1999

*Practical Management of Spasticity*. Annual Meeting of the Southern PM&R Society. Biloxi, Mississippi, May 29, 1999

*Spasticity Management*. National Stroke Association conference for physical therapists. Houston, May 21, 1999

*Spasticity Management: A Hands-on Workshop for Physicians*. Baylor College of Medicine Department of Physical Medicine and Rehabilitation. Houston, Texas, April 24, 1999

*Brain Injury Rehabilitation: General Concepts*. Thirty-third Comprehensive Review Course in Physical Medicine and Rehabilitation. Baylor College of Medicine, Houston, TX. March 15, 1999

*Brain Injury Rehabilitation: Medical Complications*. Thirty-third Comprehensive Review Course in Physical Medicine and Rehabilitation. Baylor College of Medicine, Houston, TX. March 15, 1999

*Principles of Stroke Rehabilitation. Disease and Lifestyle: The Texas Medical Center Approach*. Veracruz, Mexico, February 29, 1999

*Managing Severe Spasticity: A Multidisciplinary Approach*. Kansas City. Sponsored by Medtronic Neurological, Kansas City, Missouri, March 12-13, 1999

*The role of intrathecal baclofen therapy in spasticity management*. Department of Physical Medicine and Rehabilitation, University of Texas, San Antonio, February 8, 1999

*Spasticity management and movement disorders: a multidisciplinary approach. New strategies for neuromuscular spasticity.* East Texas Medical Center Rehabilitation Center. Tyler, TX, February 4, 1999

*Spasticity management and movement disorders: a multidisciplinary approach. Outcome study case presentations.* East Texas Medical Center Rehabilitation Center. Tyler, TX/ February 4, 1999

*Innovations in spasticity management following brain injury.* La segunda conferencia anual: "Perspectivas del Texas medical center para 1999". International Advisory Council-Texas Medical Center. Mexico D.F., February 2, 1999

*Botox injection training workshop.* 17th Annual National Symposium of the Brain Injury Association.. New Orleans, LA, October 31,1998

*Baclofen workshop: expanded considerations in the treatment of cerebral origin spasticity with intrathecal baclofen therapy.* Brain injury association 17th annual national symposium. New Orleans, LA, October 31, 1998

Keynote address: *Diagnosis and assessment of traumatic brain injury* The 10th annual brain injury conference of the Brain Injury Association of Arkansas. Little Rock, AK/ October 22, 1998

*Spasticity management.* Texas Riviera Association of Case Managers (TRACM). Corpus Christi, TX, October 16, 1998

*The role of botulinum toxin and intrathecal baclofen in spasticity management. New treatment options for spasticity management (a program for patients and caregivers).* Sponsored by NMSS Lone Star Chapter, Houston Arboretum & Nature Center. Houston, TX, September 29, 1998

*Spasticity management--injection therapy; nerve blocks, botox. Managing severe spasticity: a multidisciplinary approach.* Sponsored by Medtronic Neurological, Pittsburgh, PA, September 25-26, 1998

*Cerebral origin spasticity--brain injury. Managing severe spasticity: a multidisciplinary approach.* Sponsored by Medtronic Neurological Pittsburgh, PA, September 25-26, 1998

*ITB screening trial. Managing severe spasticity: a multidisciplinary approach.* Sponsored by Medtronic Neurological Pittsburgh, PA, September 25-26, 1998

*Update on the management of spasticity.* Grand Rounds, University of Texas Southwestern Medical Center, Department of Physical Medicine and Rehabilitation. Dallas, TX September 11, 1998

*Oral Medications, Neurolytic Procedures and Chemodenervation (An Integrated Approach to Spasticity Management).* Baylor College of Medicine--Department of Physical Medicine and Rehabilitation, and The Institute for Rehabilitation and Research. Houston, TX, June 27, 1998

*Neuropharmacology.* Baylor College of Medicine/ University of Texas Physical Medicine and Rehabilitation Resident Lecture Houston, TX, June 11, 1998

*Brain injury medications: highlighting the possibilities.* The Institute for Rehabilitation and Research, Department of Nursing. Houston, TX, April 9, 1998

*Grand Rounds. Recent advances in spasticity management for brain injured patients.* Kessler Institute for Rehabilitation, University of Medicine and Dentistry-New Jersey Medical School. Lyons, NJ, April 3, 1998

*Neuropharmacology.* Baylor College of Medicine/University of Texas Physical Medicine and Rehabilitation Resident Lecture. Houston, TX, March 31, 1998

*The management of spasticity in adults with acquired brain injury.* Baylor College of Medicine/ University of Texas Physical Medicine and Rehabilitation. Houston, TX, March 25, 1998

*Brain injury rehabilitation: general concepts and medical complications.* 32nd Comprehensive Review Course in Physical Medicine and Rehabilitation/ Baylor College of Medicine. Houston, TX, March 18, 1998

*Spasticity management.* The Institute for Rehabilitation and Research/ TIRR Systems. Houston, TX, March 5, 1998

*Recent advances in the management of spasticity in individuals with brain injury.* Wilson N. Jones Regional Health System. Sherman, TX, February 20, 1998

*Ritalin revisited: does it work after a brain injury?* Baylor College of Medicine Grand Rounds. Houston, TX, January 23, 1998

*Movement disorders following brain injury.* American Academy of Physical Medicine and Rehabilitation Annual Assembly. Atlanta, GA, November 16, 1997

*The use of botulinum toxin-A in brain injury-related spasticity.* Dallas/Fort Worth Metroplex Physical Medicine and Rehabilitation Society Meeting, Dallas TX, October 22, 1997

*Management of spasticity after traumatic brain injury.* 8<sup>th</sup> World Congress of the International Rehabilitation Medicine Association (IRMA), Kyoto, Japan, September 2, 1997

*Depression following traumatic brain injury.* Sponsored by Wyeth-Ayerst Laboratories, Inc., Houston, TX, August 7, 1997

*Spasticity management with botulinum toxin.* Advanced Techniques in Spasticity Management, Columbia Hospital at Medical City Dallas, Dallas, TX, May 10, 1997

*Brain injury rehabilitation--General concepts.* 31<sup>st</sup> Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston TX, March 18, 1997

*Brain injury rehabilitation--Medical Complications.* 31<sup>st</sup> Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine; Houston TX, March 18, 1997

*The role of botulinum toxin in spasticity.* Grand Rounds, Beth Israel Medical Center; New York, NY, December 10, 1996

*New treatment approach to spasticity of cerebral origin.* Department of Physical Medicine and Rehabilitation, Montefiore Medical Center; Bronx, NY, November 21, 1996

*Altered states of consciousness.* Department of Physical Medicine and Rehabilitation, UMD New Jersey Medical School, Kessler Institute for Rehabilitation; West Orange NJ, November 27, 1996

*Innovative treatment techniques for spasticity.* Department of Physical Medicine and Rehabilitation, Montefiore Medical Center, Albert Einstein College of Medicine; Bronx NY, November 21, 1996

*General principles of brain injury rehabilitation: epidemiology and outcome.* Department of Physical Medicine and Rehabilitation, UMD New Jersey Medical School, Kessler Institute for Rehabilitation; West Orange, NJ, November 13, 1996

*Neuropathology of traumatic brain injury.* Department of Physical Medicine and Rehabilitation, UMD New Jersey Medical School, Kessler Institute for Rehabilitation; West Orange NJ, November 13, 1996

*Medical rehabilitation following traumatic brain injury.* Department of Physical Medicine and Rehabilitation, UMD New Jersey Medical School, Kessler Institute for Rehabilitation; West Orange NJ, November 13, 1996

*Principles of neuropharmacology in brain injury rehabilitation.* Department of Physical Medicine and Rehabilitation, UMD New Jersey Medical School, Kessler Institute for Rehabilitation; West Orange NJ, November 13, 1996

*Depression following traumatic brain injury.* Presented at the Annual Assembly of the Brain Injury Association; Dallas TX, November 5, 1996

*Comprehensive management of spasticity.* Presented at the Annual Assembly of the Brain Injury Association; Dallas TX, November 5, 1996

*Course Director, Pharmacologic management of spasticity: recent advances in spasticity management.* Kessler Institute for Rehabilitation; West Orange NJ, October 26, 1996

*Psychopharmacology in brain injury rehabilitation: critical issues in working with individuals with traumatic brain injury.* Conference--International Center for the Disabled; West Orange, NJ, October 24, 1996

*Spasticity: current concepts and interventions.* Medtronic Regional Meeting; Philadelphia, PA, August 21, 1996

*Botulinum toxin in spasticity management.* Department of Physical Medicine and Rehabilitation, Albert Einstein College of Medicine, Montefiore Medical Center; Bronx, NY, July 29, 1996

*Introduction to research: research for non-researchers.* Department of Physical Medicine and Rehabilitation, UMD New Jersey Medical School, Kessler Institute for Rehabilitation; West Orange, NJ, July 10, 1996

*Grand Rounds. Brain Injury Rehabilitation,* Department of Neurosurgery, University of Medicine and Dentistry, New Jersey Medical School; Newark, NJ, June 18, 1996

*Course Director, Innovations in spasticity management.* Kessler Institute for Rehabilitation; East Orange, NJ, June 15, 1996

*Recent innovations in spasticity management.* Kessler Institute for Rehabilitation; West Orange, NJ, May 23, 1996

*Use of botulinum toxin in spasticity management.* Department of Physical Medicine and Rehabilitation, North Shore Hospital at Glen Cove; Long Island, NY, March 21, 1996

*Recent trends in the management of post-traumatic epilepsy. Grand Rounds,* Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry, New Jersey Medical School; Newark NJ/December 1, 1995

*Rehabilitation of individuals with brain injury.* Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry, New Jersey Medical School; Newark, NJ, October 11, 1995

*Pharmacologic intervention in brain injury.* Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry, New Jersey Medical School; Newark, NJ, October 11, 1995

*Medical complications of traumatic brain injury.* Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry, New Jersey Medical School; Newark, NJ, October 11, 1995

*Post-traumatic epilepsy.* Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry, New Jersey Medical School; Newark, NJ, October 4, 1995

*Rehabilitation and outcome following brain injury.* Resident Didactic Series. Department of Physical Medicine and Rehabilitation, University of Medicine and Dentistry, New Jersey Medical School; Newark, NJ, September 20, 1995

*Depression following traumatic brain injury.* Department of Physical Medicine and Rehabilitation,  
Baylor College of Medicine; Houston, TX, June 30, 1995