

CURRICULUM VITAE

DATE: December 22, 2015

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

Full Professor (tenure track), 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

Distinguished Professor in Neuro-Engineering for Rehabilitation
Tecnologico de Monterrey, Monterrey, Mexico
June 8, 2015-present

Distinguished Teaching Professor
The University of Texas System
December 18, 2012 - present

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 16, 2009-Present

Adjunct Professor
Department of Physical Medicine and Rehabilitation
Baylor College of Medicine, Houston
October 2008-present

PREVIOUS FACULTY POSITIONS

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

July 1, 2008-Present

Vice Chairman

Department of Physical Medicine and Rehabilitation
University of Texas Health Science Center-Medical School, Houston
July 1, 2006-June 30, 2008

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-January 31, 2013
(Trainees: Jose Poblador, D.O., Patricia Hantsch, M.D., Denise Morales, M.D., Sunil Kothari, M.D., Zoraya Parilla, 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., Joe Urquidez, M.D., Elaine Magat, M.D., Judy L. Thomas, M.D., Ana Durand-Sanchez, M.D., Richard A. Huang, M.D., D'Andrea Anders, M.D., Gina P. Armstrong, M.D.; Ariel Savitz, 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–September 1, 2010

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

Director, NeuroRecovery Research Center

TIRR Memorial Hermann, Houston, TX
December, 2013 – present

Chief Medical Officer, June 16, 2009 - present

TIRR-Memorial Hermann Hospital

1333 Moursund Ave., Houston, TX 77030
Active Medical Staff, April 15, 1997 - present

Chief of PM&R, June 1, 2009 - present

Memorial Hermann Hospital

6411 Fannin, Houston, TX 77030
Active Medical Staff, March 19, 1997 - present

Chief of PM&R Service

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

5656 Kelley, Houston, TX 77026
Active Medical Staff effective June 25, 2009 – December 31, 2011

CHI St. Luke's Hospital

6720 Bertner Street, Houston, TX 77030
Consulting Staff, July, 2014 - present

The Methodist Hospital

6565 Fannin Street, Houston, TX 77030

Consulting Staff, December 12, 1997 - present

Kessler Institute for Rehabilitation

240 Central Avenue, East Orange, NJ 07018

Staff Physician, September, 1995 - December, 1996

OTHER EXPERIENCE /ADVANCED TRAINING

Director, NeuroRecovery Research Center

TIRR Memorial Hermann, Houston, TX

December, 2013 – present

Director, UTHealth PM&R Motor Recovery Lab at TIRR Memorial Hermann

1333 Moursund Ave., Houston, TX 77030

August 12, 2009 –present

TIRR-Memorial Hermann Hospital

Interim Chief Medical Officer

1333 Moursund Ave., Houston, TX 77030

July 1, 2008 – June 15, 2009

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 – November 30, 2010

Associate Director for Research Services,

Brain Injury and Stroke Program

TIRR-Memorial Hermann

1333 Moursund Avenue, Houston, TX 77030

July 1, 2006 – June 30, 2007

Associate Director, Brain Injury and Stroke Program-Research Service

TIRR/Memorial Hermann

1333 Moursund Avenue, Houston, TX 77030

January 2003 – June 1, 2009

Associate Director, Brain Injury and Stroke Program

TIRR/Memorial Hermann

1333 Moursund Avenue, Houston, TX 77030

January 1997 – January 12, 2004

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, Brain Injury Medicine, American Board of Physical Medicine and Rehabilitation; Certificate #1
Issued December 1, 2014 - present

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

American Board of Physical Medicine and Rehabilitation

Chair, Brain Injury Medicine Committee, August 1, 2013 - present

Board of Directors, July 1, 2012 -present

Member, Program Directors' Advisory Committee of the American
Board of Physical Medicine and Rehabilitation Foundation
August, 2005-February, 2012

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

Associate Member, Brain Injury Medicine Examination Committee, 2011-2013

Association of Academic Physiatrists

President – March 15, 2015 - present

President-Elect, September 1, 2013-March 15, 2015

Treasurer, September 1, 2011- August 31, 2013

Board of Trustees, September 1, 2010 – August 31, 2014
Chair, Program Planning Committee, 2007-2009
Chair, Resident and Fellowship Program Directors Council, 2007-2009
Vice-Chair, Resident and Fellowship Program Directors Council, 2006-2007
Secretary, Resident and Fellowship Program Directors Council, 2005-2006
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 (Neurorehabilitation), Program Planning Committee, 2009-11
Member, Program Planning Committee, 2007-2011
Member, Practice Guidelines Committee, 2001-2004
Member, Neuro Council, 2009-present
Education Liaison, Spasticity and Dystonia Special Interest Group, 2006-2009
Member, Brain Injury Special Interest Group, 1995-2009
Member, Stroke Special Interest Group, 2000-2009

American Congress of Rehabilitation Medicine, 2014 - present

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

American Medical Association, 2009-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

Philippine Academy of Rehabilitation Medicine (Honorary Fellow), 2014

World Federation of Neurorehabilitation, 2014

International Society of Physical and Rehabilitation Medicine

Chair, Education Committee, 2013-present

Member, Education Committee, 2008-2012

International Society for Restorative Neurology

Member, 2012-present

HONORS AND AWARDS

Distinguished Member, American Academy of Physical Medicine and Rehabilitation, 2015

Outstanding Alumnus, Baylor College of Medicine, Houston, TX, 2015

Honorary Fellow, Philippine Academy of Rehabilitation Medicine, 2014

Physician of the Year, TIRR-Memorial Hermann Hospital, Houston, TX, 2014

Outstanding Alumnus, University of the Philippines Medical Alumni Society, July 11, 2014.

Distinguished Teaching Professor and Member, The University of Texas System Academy of Health Science Educators, December 18, 2012

Distinguished Educator Professor and Member, Academy of Master Educators, University of Texas Health Science Center-Medical School at Houston, October 24, 2012

43rd Walter J. Zeiter Lecturer, American Academy of Physical Medicine and Rehabilitation, November 19, 2011

Best Doctors in America, US News and World Report, top 1% in specialty, 2011

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, 2011, 2010, 2008, 2007

The Sidney and Elizabeth Licht Award for Excellence in Scientific Writing

By the American Congress of Rehabilitation Medicine 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

Best Doctors in America (top 1% in the specialty), US News and World Report, 2012

Best Doctors in Houston, Houstonia Magazine, September, 2013, 2014

Texas Super Doctors 2012. December 2012. Published by Texas Monthly Magazine.

Best Doctors in America – 200; 2008; 2010; 2011; 2012; 2013 by peers. Best Doctors, Inc., www.bestdoctors.com

Listed in Castle Connelly's Best Doctors in America 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010; 2011; 2012; 2013

Listed in Castle Connelly's America's Top Doctors 2010; 2011; 2012; 2013

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

Francisco GE, Yablon SA, Silver B. *Outcome after vegetative state among individuals with acquired brain injury*. Association of Academic Physiatrists Annual Meeting, February 1996, Las Vegas, NV

Best Poster Presentation

Francisco GE, Boake C. *Depression after traumatic Brain Injury*. Association of Academic Physiatrists Annual Meeting, February 1996, Las Vegas, NV

New Jersey Society of Medicine Writing Competition Winner, 1993

Francisco, GE. *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

Section Editor (Stroke), Current Reviews in Physical Medicine and Rehabilitation, 2014-present

Associate Editor, Journal of Rehabilitation Medicine. September 1, 2011- present

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

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

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES

Member, Advisory Board of the National Center for Medical Rehabilitation Research, National Institutes of Health, October 1, 2013 - present

Grant Reviewer, Kansas University Medical Center, December, 2005

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

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, 2008-2010

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

SERVICE ON THE UNIVERSITY OF TEXAS-HOUSTON MEDICAL SCHOOL COMMITTEES

Member, Search Committee for Vice-Chairman of Orthopedics, University of Texas Health Medical School, 2011-2012

Member, Curriculum Committee

University of Texas Health Sciences Center-Medical School, September 1, 2007 – Aug 31, 2013

Member, Graduate Medical Education Committee

University of Texas Health Sciences Center-Medical School, September 1, 2007 – August 31, 2013

Member, Graduate Medical Education Committee Executive Committee

University of Texas Health Sciences Center-Medical School, September 1, 2009 – August 31, 2011

Member, Committee on Committees

University of Texas Health Medical School, 2007-2009

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

Chairperson, Graduate Medical Education Committee

Physical Medicine and Rehabilitation Alliance Baylor College of Medicine and The University of Texas
June, 2002 to 2010

Member, Executive Committee

Physical Medicine and Rehabilitation Alliance Baylor College of Medicine and The University of Texas
June, 2002 to July, 2015

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

Chair, Clinical Practice Committee for PM&R

MHMD, Memorial Hermann System

Houston, TX

November, 2012 - present

Scientist, TIRR Research Council

TIRR-Memorial Hermann Hospital

1333 Moursund Avenue, Houston, TX 77030

June, 2008 – present

Chair, TIRR Research Advisory Council

The Institute for Rehabilitation and Research

1333 Moursund Avenue, Houston, TX 77030

November, 2005-March, 2007

Chair, Environmental Safety and Infection Control Committee

The Institute for Rehabilitation and Research

1333 Moursund Avenue, Houston, TX 77030

July 1997 -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-June 2001

Member, Board of Directors, TIRR FIRST

TIRR SYSTEMS, 5100 Travis Street, Houston, TX 77002-9746

October 1997 -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, Advisory Board of the National Center for Medical Rehabilitation Research,
National Institutes of Health, October 1, 2013 - present

Reviewer, National Institutes of Health Rehabilitation Medicine Department Operational Review, Bethesda, MD, January 29030, 2013

Chair, ACGME (Accreditation Council for Graduate Medical Education) Residency Review Committee for Physical Medicine and Rehabilitation, 2014-2017

Chair-Elect, ACGME (Accreditation Council for Graduate Medical Education) Residency Review Committee for Physical Medicine and Rehabilitation, 2013-2014

Vice-Chair, ACGME (Accreditation Council for Graduate Medical Education) Residency Review Committee for Physical Medicine and Rehabilitation, 2012-2013

Chair, ACGME (Accreditation Council for Graduate Medical Education) Milestones Project for Brain Injury Medicine, 2013-2015

Member, ACGME (Accreditation Council for Graduate Medical Education) Milestones Project for Physical Medicine and Rehabilitation, 2011-2014

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

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)

Reviewer, Journal of Trauma

National Spokesperson, National Stroke Association, 2006-2008

Member, Stroke Rehabilitation and Recovery Advisory Network, National Stroke Association, 2006-2007

SPONSORSHIP OF POSTDOCTORAL FELLOWS:

Jose Poblador, D.O.	1996-1997
Karen Chua, MBBS (Singapore)	1997-1998
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.	2006-2007
Meilani Mapa, M.D.	2007-2008
Natasha Eaddy, M.D.	2007-2008
Joe Urquidez, M.D.	2009-2010
Elaine Magat, M.D.	2010-2011
Judy Thomas, M.D.	2010-2011
Ana Durand-Sanchez, M.D.	2010-2012
Richard A. Huang, M.D.	2011-2012
Gina P. Armstrong, M.D.	2011-2012
D'Andrea Anders, M.D.	2011-2012
Ariel Savitz, M.D.	2012-2013

SPONSORSHIP OF DOCTORAL CANDIDATE

Harshavardhan Agashe 2013-2014
(*Upper limb prosthetic control and rehabilitation using non-invasive brain-machine interfaces for grasping in healthy and clinical populations*; Department of Electrical and Computational Engineering, University of Houston)

RESEARCH MENTORSHIPS

Melani Mapa, M.D.	2006-2007
Jack Fu, M.D.	2007-2008
Ana Durand-Sanchez, M.D.	2010-2012
Richard A. Huang, M.D.	2011-2012
Gina P. Armstrong, M.D.	2011-2012
Zafer Keser, M.D.	2013-present

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-January 31, 2013

Associate Residency Program Director

Department of Physical Medicine and Rehabilitation
University of Texas Health Science Center Medical School, Houston
August 1, 2012 – June 30, 2013

Residency Program Director

Department of Physical Medicine and Rehabilitation
University of Texas Health Science Center Medical School, Houston
March 15, 2002-July 31, 2012

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 – September 1, 2010

CURRENT GRANT SUPPORT:

NRI-Brain Machine Interface Control of a Therapeutic Exoskeleton

NIH-National Institute of Neurological Disorders and Stroke
Grant Number: 1R01NS081854-01
Principal Investigators: Jose L. Contreras Vidal, Gerard E. Francisco and Marcy O'Malley
Total Award: \$318,213.00
Budget Period: 8/1/12- 6/30/2013
Project Period: 8/1/12- 6/30/2016

Center for Wearable Exoskeletons

Memorial Hermann Foundation
Principal Investigator: Gerard E. Francisco
Total Award: \$1,525,552.00
Budget Period: 1/1/2015-12/31/2019

A Randomized Pilot Study Assessing Vagus Nerve Stimulation (VNS) During Rehabilitation for Improved Upper Limb Motor Function after Stroke

Microtransponder, Inc
Principal Investigator: Gerard E. Francisco
Total Award: \$388,628.00
Budget Period: 3/25/15-3/25/16

Pivotal Phase III, Prospective, Multi-Center, Double-blinded, Randomized, Sham-controlled Trial to Determine the Therapeutic Effects of Navigation Guided 1 Hz rTMS Administered to the Contralesional Hemisphere as Adjuvant to Task-Oriented Rehabilitation in Patients with Ischemic or Hemorrhagic Stroke

Nexstim, Inc

Principal Investigator: Gerard E. Francisco

Total Award: \$409,227.00

Budget Period: 4/4/14-3/31/16

Transcranial Direct Current Stimulation and Melodic Intonation Therapy combined with Dextroamphetamine in chronic stroke patients with non-fluent aphasia: Safety and Efficacy Phase

Mission Connect, A Project of TIRR Foundation

Principal Investigator: Gerard E. Francisco

Total Award: \$50,000.00

Budget Period: 3/1/15-8/31/15

Effects of Robotic-assisted Arm Training Alone and Combined with Transcranial Direct Current Stimulation after Traumatic Brain Injury: Robotic and Combination Phases

Mission Connect, A Project of TIRR Foundation

Principal Investigator: Gerard E. Francisco

Total Award: \$16,629.90

Budget Period: 3/1/15-2/28/16

ASPIRE: Adult Spasticity International Registry on BOTOX® Treatment

Allergan, Inc

Principal Investigator: Gerard E. Francisco

Total Award: \$100,638.00

Budget Period: 7/23/14-7/14/17

Prospective, double-blind, placebo-controlled, randomized, multi-center study with an open-label extension period to investigate the efficacy and safety of NT 201 in the treatment of post-stroke spasticity of the lower limb.

Merz, Inc

Principal Investigator: Gerard E. Francisco

Total Award: \$36,400.00

Budget Period: 8/1/14 -/31/16

Neuor-Myo Engineering Laboratory

Memorial Hermann Foundation

Principal Investigator: Gerard E. Francisco

Total Award: \$1,425,372.00

Budget Period: 1/1/2014-12/31/2018

A randomized, controlled, open-label, parallel-group, multicenter study to compare the effect of Intrathecal Baclofen Therapy (ITB Therapy) versus Best Medical Treatment (BMT) on severe spasticity in post-stroke patients after 6 months active treatment

Medtronic, Inc.

Gerard E. Francisco

Total Award: \$127,323.00

Budget Period: 09/01/2012 – 08/31/2015

Study to Assess the Safety of 3 mg/mL Gablofen® (baclofen injection) Delivered by Intrathecal Administration Using the SynchroMed® II Programmable Infusion System (CNS-GAB101US)

CNS Therapeutics, Inc.

Principal Investigator: Gerard E. Francisco

Total Award: \$120,919.00

Budget Period: 11/01/2012 – 10/31/2015

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

Mission Connect/TIRR Foundation

Principal Investigator: Gerard E. Francisco

Total Award \$ 104,347.00

Budget Period: 10/01/12 – 11/31/15

PAST GRANT SUPPORT:

Clinical application of high-density surface EMG

R24 HD050821-08(NIH/NICHD/NCMRR)

Subcontract with Rehabilitation Institute of Chicago

Sheng Li (PI); Gerard E. Francisco (Co-Investigator)

\$45,000 additional for year 2

Period: 07/01/2011 – 06/30/2013

A phase III, upper extremity, double blind, multicentre, prospective, double blind, randomised, placebo controlled study, assessing the efficacy and safety of Dysport intramuscular injections used for the treatment of upper limb spasticity in adult subjects with spastic hemiparesis due to stroke or traumatic brain injury.

Ipsen, Inc.

Gerard E. Francisco (PI)

Budget Period: 09/01/2013 – 08/31/2014

A phase III, upper extremity, open label, multicentre, prospective, open label extension study to assess the long term safety and efficacy of repeated treatment of

Dysport intramuscular injections used for the treatment of upper limb spasticity in adult subjects with spastic hemiparesis due to stroke or traumatic brain injury

Ipsen, Inc.

Gerard E. Francisco (PI)

Budget Period: 09/01/2013 – 08/31/2014

A phase III, multicentre, double blind, prospective, randomised, placebo controlled study, assessing the efficacy and safety of Dysport used for the treatment of lower limb spasticity in adult subjects with hemiparesis due to stroke or traumatic brain injury.

Ipsen, Inc.

Gerard E. Francisco (PI)

Budget Period: 09/01/2012 – 08/31/2013

A phase III, prospective, multicentre, open label, extension study, to assess the long term safety and efficacy of repeated treatment of Dysport intramuscular injection in the treatment of lower limb spasticity in adult subjects with spastic hemiparesis due to stroke or traumatic brain injury.

Ipsen, Inc.

Gerard E. Francisco (PI)

Budget Period: 09/01/2012 – 08/31/2013

Prospective, double-blind, placebo-controlled, randomized, multi-center study with an open-label Extension period to investigate the efficacy and safety of NT 201 in the treatment of post-stroke spasticity of the lower limb

Ipsen, Inc.

Gerard E. Francisco (PI)

Budget Period: 09/01/2012 – 08/31/2013

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

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

Mission Connect/TIRR Foundation

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

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

Allergan, Inc. – Grant ID 003592

PI, 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, 2009-11

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 Psychiatry

\$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 – June 30, 2009

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 2001-2005

Riluzole Study

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

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 1, 2003- June 30, 2004

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

Pehlivan AU, Sergi F, Erwin A, Yozbatiran N, Francisco GE O'Malley MK. *Design and Validation of the RiceWrist-S Exoskeleton for Robotic Rehabilitation After Incomplete Spinal Cord Injury*. Robotica (in press)

Blank A, O'Malley MK, Francisco G, Contreras-Vidal JA. *Pre-Clinical Framework for Neural Control of a Therapeutic Upper-Limb Exoskeleton* Contributed Paper. Online Submission number: 322; In: Proceedings of the 6th International IEEE EMBS Conference on Neural Engineering November 2013 in San Diego, California.

Ifejika-Jones NL, Peng H, Noser EA, Grotta JC and Francisco GE. *The use of hemicraniectomy of ventriculostomy as a predictor of stroke rehabilitation level of care*. In: Abstracts of Scientific Papers and Posters Presented at the Annual Meeting of the Association of Academic Physiatrists; Feb 28-March 3, 2012; Las Vegas, NV. American Journal of Physical Medicine, March 2012, Vol 91, Suppl 1, p A55. Poster Board 922.

Li S, Chang S-H, Francisco GE, Verduzco-Gutierrez M. *Spasticity: Brainstem mechanisms and relation to stages of motor recovery after stroke*. In: Abstracts of Scientific Papers and Posters Presented at the Annual Meeting of the Association of Academic Physiatrists; Feb 28-March 3, 2012; Las Vegas, NV. American Journal of Physical Medicine, March 2012, Vol 91, Supp 1, p A76, Poster Board 933.

Francisco, GE. *Intrathecal baclofen therapy troubleshooting algorithm*. Presented at the North American Neuromodulation Society Meeting. December 8-10, 2011, Las Vegas, NV. (Available online in Neuromodulation, March 2012.)

Ashtekar A, Berliner J, Criswell L, Francisco GE. *Functional improvement in a person with tetraplegia after chemodenervation and motor restraining*. In: Abstracts from AAPM&R 72nd

Annual Assembly and Technical Exhibition, November 17-20, 2011, Orlando, FL PM&R, 2011, volume 3, issue 10 S1, p. S331, Poster 450.

Chang, S-S, Francisco GE, Verduzco-Gutierrez M, Zhou P, Rymer WZ, Li S. Voluntary force control in spastic-paretic biceps brachii muscles in stroke may be interfered by sustained involuntary motor unit discharges. Annual Neuroscience Meeting, Nov 12-16, 2011. Washington DC

Eng D, Kadivar Z, Sullivan J, Pehlivan U, O'Malley MK, Yozbatiran N, Francisco GE. *Spatial and Temporal Movement Characteristics after Robotic Training of Arm and Hand. A Case Study of a Person with Incomplete Spinal Cord Injury*. IEEE/RSJ International Conference on Intelligent Robots and Systems Schedule (IROS), September 25-30, 2011 San Francisco, CA

Esquenazi A, Brashear A, Elovic EP, Francisco GE, Lee S, Mayer NH, Yablon SA. *Patient registry of outcomes in spasticity care*. In PM&R The Journal of Injury, Function and Rehabilitation; September 2011. Volume 3, issue 10, S258. Poster 252.

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*. In Abstracts of Scientific Papers and Posters Presented at the Annual Conference of the Academy of Spinal Cord Injury Professionals (ASCIP). September, 2011, Las Vegas, NV. Poster 200

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*. International Neurorehabilitation Symposium (INRS), June 27-July 1, 2011 Zurich, Switzerland in IEEE International Conference on Rehabilitation Robotics: [proceedings], June 2011: 1-6

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*. *The International Conference on Rehabilitation Robotics (ICORR)*, June 27-July 1, 2011 Zurich, Switzerland, in IEEE International Conference on Rehabilitation Robotics: [proceedings], June 2011: 1-4

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*. The International Conference on Rehabilitation Robotics (ICORR), June 27-July 1, 2011 Zurich, Switzerland, in IEEE International Conference on Rehabilitation Robotics: [proceedings], June 2011: 1-6

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*. International Neurorehabilitation Symposium (INRS), June 27-July 1, 2011 Zurich, Switzerland, in IEEE International Conference on Rehabilitation Robotics: [proceedings], June 2011: 1-6

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

Li, S, Chang S-S, Francisco GE, Zhou P. *Re-evaluation of EMG-force relations using intramuscular EMG recordings in spastic-paretic biceps brachii muscles in chronic stroke*. AAP Annual Meeting (podium presentation), Phoenix, Arizona, April, 2011.

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. 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*. In Abstracts of Scientific Papers and Posters Presented at the Annual Meeting of the Association of Academic Physiatrists; April 6-10, 2010; Bonita Springs, FL. American Journal of Physical Medicine and Rehabilitation 2010; 4 (suppl): S13.

Li S, Francisco GE, Chang S-S. *Botulinum toxin Type "A" injection after stroke reduces finger flexor spasticity and improves voluntary grip release*. Annual Neuroscience Meeting, San Diego, CA, November, 2010.

Li, S, Francisco GE, Chang S-S. *Botulinum toxin Type A injection improves voluntary motor control after stroke: A case report*. In Abstracts of Scientific Papers and Posters Presented at the Annual Meeting of the AAPMR, Seattle, WA, November 2010; PM&R: The Journal of Injury, function and rehabilitation, 2010, 2 (Issue 9) S194. Poster 448.

Ifejika NL, Francisco GE, Grotta JC, Nusrat H. *Urinary tract infection is a negative predictor of poststroke disposition: Findings from the UTHSC Houston Stroke Registry*. In Abstracts PM&R: The Journal of Injury, function and rehabilitation, 2010, 2 (Issue 9) S9. Poster 445.

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*. In Abstracts of Scientific

papers and Posters Presented at the Annual Meeting of AAPM&R, 2010. Austin, Texas. PM&R 1 (9, supplement) S276-277 (abstract) PM&R: The Journal of Injury, function and rehabilitation September 2009, volume 1, issue 9 S276-S277. Poster 396.

Francisco GE, Boake, C. *Optimizing the Efficiency of Intrathecal Baclofen (ITB) Screening Trial for Post-Stroke Spasticity*. In abstracts from AAPM&R 70th Annual Assembly & Technical Exhibition, PM&R Vol 1, issue 9, Supplement, September 2009, p S238, Poster 309.

Francisco GE, Saulino MF, Yablon SA, Turner M. *Intrathecal Baclofen Therapy: An update*. In abstracts and posters. PM&R: September 2009. The journal of injury, function, and rehabilitation Volume 1, issue 9 852-858.

Francisco GE, Boake C. *Optimizing the efficiency of intrathecal baclofen (ITB) screening trial for post-stroke spasticity*. PM&R: the journal of injury, function and rehabilitation September 2009. 2 (Issue 9) S238. Poster 309.

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 4th 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)

Francisco GE. *Intrathecal baclofen therapy for Stroke: Consensus Panel Recommendations.* Neurorehabilitation and Neural Repair, 2006;20:52 (abs)

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)

Benny B, Francisco GE, Huls C, Reistetter T. *Ainticoagulation errors in a rehabilitation hospital.* Arch Phys Med Rehabil 2005;e29-e30.

Henry E, Francisco G, et al. *Phenol Neurolysis for Elbow Flexor Spasticity in Spinal Cord Injury.* The Journal of Spinal Cord Medicine, Spring 2003, Volume 26 Supplement 1, p.S40.

Francisco GE. *Predicting Long term Outcome of Intrathecal Baclofen Therapy.* Proceedings of the 2nd International Society of Physical and Rehabilitation Medicine Congress, p 214, Monduzzi Editore

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

Sial KA, Malik A, Francisco GE. *Neurooptometric Findings During Acute Brain Injury Rehabilitation.* Arch Phys Med Rehabil 2002;83:1649-50 (abs)

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)

Foreman W, Francisco GE, Sanchez OA. *Efficacy and Safety of High Dose Botulinum toxin-A*. Arch Phys Med Rehabil 2001;82:1335 (abs)

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 1st International Society of Physical and Rehabilitation Medicine Congress, p 171, Monduzzi Editore

Francisco GE, Boake C, Ivanhoe CB. *Long-term efficacy of Intrathecal Baclofen Therapy (ITB) In Managing Spastic Hypertonia due to Acquired Brain Injury*. Proceedings of the 1st International Society of Physical and Rehabilitation Medicine Congress, p 171, Monduzzi Editore

Carranza A, Zidek KA, Francisco GE, Graves DA. *Effective dosing of intrathecal baclofen in spasticity associated with cerebral palsy and spinal cord injury*. (abstract) Arch Phys Med Rehabil 81:1297, 2000

Motaparathi M, Le T, Nguyen B, Francisco GE. *Etiology of fever in acute brain injury rehabilitation*. (abstract) Arch Phys Med Rehabil, 81:1267, 2000

Le T, Motaparathi M, Nguyen B, Francisco GE. *The incidence of abnormally increased tone during acute brain injury rehabilitation*. (abstract) Arch Phys Med Rehabil, 81:1267, 2000

Francisco GE. *Effects of Intrathecal Baclofen Therapy in Walking Speed of Individuals with Post-Stroke Hemiplegia*. (abstract) Arch Phys Med Rehabil 81:1295, 2000

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

Francisco GE, Boake C, Vaughn A. *Botulinum toxin-A in the management of upper extremity spasticity: a comparison of two commonly-used dilutions.* (abstract) *Mov Disord* (supplement) 15:S47 2000

Sisto, S. A., Redling, J.D., Francisco, G.E., Horton, J.A., Averill, A.A., Andrews, J.F., Engler, P.E., *The Impact of GaitAnalysis on the Application of BOTOX Treatment for Spasticity Management: A Case Study.* *Gait & Posture*, 5 (2), 167, 1997 (abs)

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

Francisco GE, Boake C: *Depression following closed head injury.* (abstract) *Am J Phys Med Rehabil* 75:160, 1996

Francisco GE, Yablon SA: *Outcome after vegetative state among patients with severe acquired brain injury.* (abstract) *Am J Phys Med Rehabil* 75:158, March/April 1996

Joshi A, Yablon SA, Francisco GE: *Thyroid function abnormalities in patients with severe traumatic brain injury.* (abstract) *Am J Phys Med Rehabil* 75:158, March/April 1996

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

Francisco GE, Chae JC, Delisa JA: *Physiatry as a primary care specialty*. Presented at the Spring Meeting of the Association of Academic Physiatrists; Albuquerque NM, January 1993

Vrablik R, Kirshblum SC, Francisco G: *Predictors of acute care transfer during stroke rehabilitation*. Arch Phys Med Rehabil 75:1062 (abstract)

B. Refereed Original Articles in Journals

Bortole M, Venkatakrishana A, Zhu F, Moreno JC, Francisco GE, Pons JL, Contreras-Vidal JL. The H2 Robotic Exoskeleton for Gait Rehabilitation After Stroke: Early Findings From a Clinical Study. Journal of Neural Engineering and Rehabilitation (in press)

Li S, Francisco GE. *New insights into the pathophysiology of post-stroke spasticity*. Front. Hum. Neurosci.9:192. doi: 10.3389/fnhum.2015.00192

Keser Z, Hasan KM, Mwangi BI, Kamali A, Ucisik-Keer FE, Riascos RF, Yozbatiran N, Francisco GE, Narayana PA. *Diffusion tensor imaging of the human cerebellar pathways and their interplay with cerebral macrostructure*. Front Neurosci 2015;9:41 doi:10.3389/fnana.2015.00041

Li S, Chang SH, Francisco GE, Verduzco-Gutierrez M (2014) *Acoustic startle reflex in chronic stroke survivors at different stages of motor recovery: a pilot study*- Grand Rounds, Top Stroke Rehabil 2014; 21(4):358-372.

He, Yongtian, Nathan K, Venkatakrishman A, Rovekamp R, Beck C, Ozdemir R, Francisco G, Contreras-Vidal J. *An Integrated Neuro-Robotic Interface for Stroke Rehabilitation Using the NASA X1 Powered Lower Limb Exoskeleton*. (2014) Session: Brain-Computer Interface III (Oral Presentation) **Accepted as Contributed Paper**. 36th Annual International. IEEE EMBS Conference. SessionSubmission #: 2146.

Bhagat N, French J, Venkatakrishman A, Yozbatiran N, Francisco G, O'Malley MK, Contreras-Vidal J. *Detecting Movement Intent from Scalp EEG in a Novel Upper Limb Robotic Rehabilitation System for Stroke*. (2014) Session: Neural Signal Processing I (Oral Presentation) **Accepted as Contributed Paper**. 36th Annual International. IEEE EMBS Conference. SessionSubmission #: 1048.

Pehlivan AU, Sergi F, Erwin A, Yozbatiran N, Francisco GE, O'Malley MK. *Design and validation of the RiceWrist-S exoskeleton for robotic Rehabilitation after incomplete spinal cord injury*. Robotica. Available on CJO 2014 doi: 10.1017/S00263574714001490.

Venkatakrishnan A, Francisco GE Contreras-Vidal JL, *Applications of Brain–Machine Interface Systems in Stroke Recovery and Rehabilitation*, Curr Phys Med Rehabil Rep (online at SpringerLink-e-ISSN 2167-4833) DOI 10.1007/s40141-014-0051-4

Chang SH, Francisco GE, Zhou P, Rymer WZ, Li S (2013) *Weakness, spasticity, force variability and spontaneous motor unit discharges of resting spastic-paretic biceps brachii in chronic stroke*. Muscle Nerve 2013 July; 48(1): 85–92; PMCID: PMC3691331

Everaert, D.G., Stein, R.B., Abrams, G.M., Dromerick, A.W., Francisco, G.E., Hafner, Brian J. Kufta, C.V. (2013). *Effect of a foot-drop stimulator and ankle-foot orthosis on walking performance after stroke: A multicenter randomized controlled trial*. Neurorehabilitation and Neural Repair, XX(X), 1-13, 1-13. doi: 10.1177/1545968313481278

Sunnerhagen KS, Francisco GE. *Enhancing patient-provider communication for long-term post-stroke spasticity management*. Acta Neurol Scand. 2013 Apr 18. doi: 10.1111/ane.12128. [Epub ahead of print] PubMed PMID: 23594079.

Sunnerhagen KS, Olver J, Francisco GE. *Assessing and treating functional impairment in poststroke spasticity*. Neurology 2013; 80; S35.

Francisco GE, Tan HY, Green M. *Do Botulinum Toxins Have a Role in the Management of Neuropathic Pain? A Focused Review*. Am J PM&R 2012; 91:899-909

Francisco GE, McGuire, JR. *Poststroke Spasticity Management*, Stroke 2012; 43:3132-3136
Ifejika-Jones NL, Francisco G, Jones W. *Cerebrovascular Disorders Part 1: (Disease/Disorder, Principles of Assessment)*. PM&R knowledge NOW. July 30, 2012. Available at: <http://now.aapmr.org/cns/disorders-brain/pages/cerebrovascular-disorders-part-1.aspx#Gaps>.

Esquenazi A, Mayer N, Lee S, Brashear A, Elovic E, Francisco GE, Yablon S. *PROS Study Group: Patient Registry of Outcomes in Spasticity Care (CME Article)*. Am J Phys Med Rehabil 2012; 91:00-00.

Chang SH, Francisco GE, Li S *Botulinum Toxin injection improved voluntary motor control in selected patients with post-stroke spasticity*. Neural Regeneration Research 2012; 7:1436-1439.

Yozbatiran N, Berliner J, O'Malley MK, Pehlivan AU, Kadivar Z, Boake C, Francisco GE: *Robotic training and clinical assessment of upper extremity movements after spinal cord injury: A single case report*. Journal of Rehabilitation Medicine: Official Journal of the UEMS European Board of Physical Medicine and Rehabilitation Medicine. 2012; 44: 186-8.

Ifejika-Jones NL, Harun N, Peng H, Noser EA, Grotta JC, Francisco GE: *The Interaction of aspiration pneumonia with demographic and cerebrovascular disease risk factors is predictive of discharge level of care in the acute stroke patient*. Am J Phys Med Rehabil 91: 141-147, 2012

Brainin M, Norrving B, Sunnerhagen KS, Goldstein LB, Cramer SC, Donnan GA, Duncan PW, Francisco G, Good D, Graham G, Kissela BM, Older J, Ward A, Wissel J, Zorowitz R. *Poststroke*

chronic disease management: towards improved identification and interventions for poststroke spasticity-related complications. International Journal of Stroke 8; 42-46, 2011

Eng, D.P.; Kadivar, Z.; Sullivan, J.L.; Pehlivan, A.U.; O'Malley, M.K.; Francisco, G.E.; Yozbatiran, N. *Spatial and temporal movement characteristics after robotic training of arm and hand: A case study of a person with incomplete spinal cord injury.* 2011 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 1711-1716, Sept. 2011.

Brauer J, Cooper Hay C, Francisco G. *A Retrospective Investigation of Occupational Therapy Services Received Following a Traumatic Brain Injury.* Occupational Therapy in Health Care 25(2-3):119-130, 2011.

Francisco GE, Saulino MF, Yablon SA, Turner M: *Intrathecal Baclofen Therapy: An Update.* PMR 1;852-858, 2009

Lai JM, Francisco GE, Willis FB: *Dynamic splinting after treatment with Botulinum Toxin Type-A: a randomized controlled pilot study.* Adv Ther 26(2): 241-248, 2009

Button JH, Bruel BM, Francisco GE. *Assessment of the Musculoskeletal Examination Skills: Psychiatry Residents as Evaluators and Models.* Am J Phys Med Rehabil 2007; 86:926-34

Francisco GE, Walker W, Bouffard M, Zasler N. *Pharmacological Management of Neuro-behavioral 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

Ivanhoe CB, Francisco GE, McGuire JC. *Intrathecal Baclofen (ITB) Management of Post-Stroke Spastic Hypertonia Following Stroke: Implications for Function and Quality of Life.* Arch Phys Med Rehabil 2006;87:1509-1515

Francisco GE, Yablon SA, Schiess MC, et al. *Consensus Panel Guidelines on the Use of Intrathecal Baclofen (ITB) Therapy for Post-Stroke Spastic Hypertonia.* Top Stroke Rehabil. 2006;13:74-85

Francisco GE. *Successful Treatment of Post-traumatic Hemiballismus with Intrathecal Baclofen Therapy.* Am J Phys Med Rehabil. Am J Phys Med Rehabil 2006;85:779-782.

Francisco GE, Hu MM, Boake C, Ivanhoe CB. *Intrathecal baclofen in acute brain injury.* Brain Inj 2005;19(5):359-364.

Breir J, Castillo E, Boake C, Billingsley R, Maher L, Francisco G, Papanicolau A. *Spatiotemporal patterns of language-specific brain activity in patients with chronic aphasia after stroke using magnetoencephalography.* Neuroimage 2004;24(3):1308-1316

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

Francisco GE, Chae JC, DeLisa JA. *Physiatry as a primary care specialty.* Am J Phys Med Rehabil, 74(3):186-92, 1995

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

Keser Z, Yozbatiran N, Francisco, GE: Letter to the Editor: A Note on the mapping and quantification of the human brain corticospinal tract. Eur J Radiol (2014)
<http://dx.doi.org/10.1016/j.ejrad.2014.05022>

Francisco GE. *The 43rd Walter J. Zeiter Lecture: The Pursuit of Excellence in Physiatriic Education and Practice*. PM R 4(10):711-718

Invited Commentary, Kirschner KL, Francisco GE, Josehart CE, Euliarte MA, Neely KJ, Kelly M. *Ethical challenges of caring for VIPs in the rehabilitation setting: Part II: Walking the Tightrope in Managing the Care of High-Profile Patients*. PM R 4(10):773-777, 2012

Invited Review. Francisco GE, Saulino MF, Yablon SA, Turner M. *Intrathecal baclofen therapy: an update*. PM R 2009;1:852-8.

Invited Review. Francisco GE. *Intrathecal Baclofen Therapy for Post-Stroke Spastic Hypertonia*. Proceedings of the 4th World Congress of the International Society of Physical and Rehabilitation Medicine. 2007 Monduzi Editore

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

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

D. Chapters

Francisco GE, Li S. Spasticity. Braddom's Physical Medicine and Rehabilitation. In Cifu DX, (ed): Elsevier, New York, 2015

Francisco GE and McGuire JC . *Physiology and Management of Spasticity after Stroke*. In Stein J, Harvey RL, Winsten CJ, Zorowitz RD, and Wittenberg GF (eds): Stroke Recovery and Rehabilitation 2nd Edition. Demos Publishing, 2015.

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. 4th 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. 3rd edition. Lippincott-Raven. 1998

PRESENTATIONS/LECTURES

Invited Speaker, *Upper Limb Spasticity*, VA Caribbean Healthcare System, San Juan, Puerto Rico, April 25, 2015

Invited Speaker, *Botulinum toxin and intrathecal baclofen: concurrent or sequential therapies?*, 15th Annual North American Neuromodulation Society Meeting, December 9, 2014, Las Vegas, NV

Invited Speaker, *Innovative Approaches to Augment Traditional Rehabilitation, Transition to Residency Course*, Emerging Technologies in Stroke Rehabilitation, University of Texas Health Science Center Medical School, Houston, TX, March 18, 2014,

Invited Speaker, Grand Rounds, Department of Physical Medicine and Rehabilitation, Mt. Sinai Medical Center, New York, NY, March 18, 2014

Invited Speaker, *Clinical Competency Assessment for Residents*, Chairs Council Program, Annual Meeting of the Association of Academic Physiatrists, Nashville, TN, February 26, 2014

Invited Speaker, *The Roles and Responsibilities of a PM&R Residency Program Director*, Program for Academic Leadership, Annual Meeting of the Association of Academic Physiatrists, Nashville, TN, February 28, 2014

Invited Speaker, *Patient-Centered Medical Home for Persons with Disabilities*, Annual Meeting of the Association of Academic Physiatrists, Nashville, TN, February 28, 2014

Invited Speaker, Challenges in Predicting Outcome in Traumatic Brain Injury, 40th Annual Convention of the Philippine Academy of Rehabilitation Medicine, Alabang, Muntinlupa, Philippines, February 2014,

Invited Speaker, *Spastic Arm Dysfunction Management with Botulinum Toxins*, 40th Annual Convention of the Philippine Academy of Rehabilitation Medicine, Alabang, Muntinlupa, Philippines, February 2014

Invited Speaker, *Unusual Blocks for Adult Spasticity Management*, 40th Annual Convention of the Philippine Academy of Rehabilitation Medicine, Alabang, Muntinlupa, Philippines, February 2014

Invited Speaker, *Core Competencies in PM&R Residency*, 40th Annual Convention of the Philippine Academy of Rehabilitation Medicine, Alabang, Muntinlupa, Philippines February 2014

Visiting Lectureship. *Innovative Application of Emerging Technologies to Augment Post-stroke Motor Recovery.* Department of Physical Medicine and Rehabilitation, University of Colorado Anschutz Campus, Denver, CO, January 15, 2014.

Invited Speaker. *Optimizing Spasticity Management.* First Stroke-Cerebrovascular Accident-Apoplexy Conference, Physical Medicine, Rehabilitation & Sports Medicine Department, University of Puerto Rico School of Medicine, San Juan, PR, December 6, 2013.

Invited Speaker. *Innovative Therapies and Emerging Technologies in Stroke Rehabilitation.* First Stroke-Cerebrovascular Accident-Apoplexy Conference, Physical Medicine, Rehabilitation & Sports Medicine Department, University of Puerto Rico School of Medicine, San Juan, PR, December 6, 2013.

Poster presentation. Francisco GE, Yozbatiran N, O'Malley MK, Boake C, Berliner J, Pehlivan AU, Fitle K, Artz E. *Robotic-assisted training of arm and hand movements after spinal cord injury.* Mission Connect, Annual Scientific Symposium, Houston TX, December 6, 2013.

Poster presentation. Erwin A, Sergi F, Chawda V, Yozbatiran N, Francisco GE, O'Malley MK. *Measuring Grip Forces During Robotic Therapy Using the RiceWrist-Grip Force Sensing Handle.* Mission Connect, Annual Scientific Symposium, Houston TX, December 6, 2013.

Poster presentation. Pehlivan AU, Erwin A, Sergi F, O'Malley MK, Yozbatiran N, Francisco GE. *A Single Subject Case Study with RiceWrist-S.* Mission Connect Annual Scientific Symposium. Houston, TX, December 6, 2013.

Poster presentation. Blank A, O'Malley MK, Francisco GE, Contreras-Vidal J. *Pre-Clinical Framework for Neural Control of a Therapeutic Upper-Limb Exoskeleton* Contributed Paper. Submission number: 322; 6th International IEEE EMBS Conference on Neural Engineering November 2013 in San Diego, California.

Invited Speaker. *Spasticity management in persons with traumatic brain injuries.* 7th World Congress of the International Society of Physical and Rehabilitation Medicine, Beijing, China, June 19, 2013

Member, Executive Committee. *2013 International Workshop on Clinical Brain Neural-Machine Interface Systems*, Houston Texas, February 24-27, 2013.

Spasticity. Physical Medicine and Rehabilitation Alliance of the Baylor College of Medicine and the University of Texas at Houston Resident Didactic Series, TIRR Memorial Hermann, Houston, TX, February 7, 2012.

Invited Speaker. *A rationale and practical approach to spasticity assessment and management.* Taiwan 3E's Spasticity Management Workshop: enabling techniques, enhancing outcomes and enabling patients. Taiwan Academy of Physical Medicine and Rehabilitation. Kaohsiung Medical University Hospital, Kaohsiung, Taiwan, December 10, 2012.

Invited Speaker. *A rationale and practical approach to spasticity assessment and management.* Spasticity Management Workshop: enabling techniques, enhancing outcomes and enabling patients. Taiwan Academy of Physical Medicine and Rehabilitation. Chi-Mei Hospital, Tainan, Taiwan, December 10, 2012.

Invited Speaker. *A rationale and practical approach to spasticity assessment and management.* Spasticity Management Workshop: enabling techniques, enhancing outcomes and enabling patients. Taiwan Academy of Physical Medicine and Rehabilitation. Taipei Medical University Hospital, Taipei, Taiwan, December 9, 2012.

Invited Speaker. *A rationale and practical approach to spasticity assessment and management.* Spasticity Management Workshop: enabling techniques, enhancing outcomes and enabling patients. Taiwan Academy of Physical Medicine and Rehabilitation. Chang-hua Christian Hospital, Taichung, Taiwan, December 8, 2012.

Course Director. *Advances in Neurorehabilitation.* TIRR Memorial Hermann, Houston, TX. October 25, 2012.

Invited Speaker. Robotic Applications in the Geriatric Population. University of Houston Department of Mechanical and Computational Engineering, Houston, TX, October 17, 2012.

Invited Lecturer, *Robotics in Rehabilitation*, Department of Electrical and Computer Engineering, University of Houston, October 18, 2012

Invited Lecturer, *A Practical and Rational Approach to the Management of Spasticity*, Fifth Annual Spasticity Seminar and Injection Workshop, NYU Rusk Institute, New York, NY, October 6, 2012

Invited Lecturer, *The Use of Ultrasound Guidance in Chemodenervation*, Fifth Annual Spasticity Seminar and Injection Workshop, NYU Rusk Institute, New York, NY, October 6, 2012

Keynote Speaker, The Research-Practice Gap in Intrathecal Baclofen Therapy. Neuromodulation Summit, September 28, 2012.

Invited Lecturer. Rehabilitation of Traumatic Brain Injury. *Continuing Medical Education for UPMASA. Perspectives in Psychiatry and Neurology*. Grand Hyatt New York, NY July 5-6, 2012.

Invited Lecturer, *Recovery, Rehabilitation, Restoration, Reintegration*. Susan M. Glasscock School of Continuing Studies, Rice University, Houston, TX, March 12, 2012

Invited Lecturer, *Robots, Stimulators, and Technology: The Art and Science of Rehabilitation Medicine*, Transition to Residency Series, University of Texas Health Science Center Medical School, Houston, TX, March 9, 2012

Plenary Speaker, 43rd Walter J. Zeiter Lecture, *The Pursuit for Excellence in Physiatric Education and Practice*, American Academy of Physical Medicine and Rehabilitation Annual Assembly, Orlando, FL November 19, 2011

Course Director, “Neuromodulation,” American Academy of Physical Medicine and Rehabilitation Annual Assembly, November 18, 2011

Course Director, “Advances in Neuroprosthesis,” American Academy of Physical Medicine and Rehabilitation Annual Assembly, November 18, 2011

Course Director, “Neuroendocrine Abnormalities in Traumatic Brain Injury,” American Academy of Physical Medicine and Rehabilitation Annual Assembly, November 17, 2011

Keynote Speaker, *Research-Practice Gap in the Management of the Upper Motor Neuron Syndrome*, University of Miami Miller School of Medicine Department of Physical Medicine and Rehabilitation Research Day, Miami, FL, June 17, 2011

Invited Speaker, *Core Competencies*, 6th World Congress of the International Society of Physical and Rehabilitation Medicine, San Juan, Puerto Rico, June 14, 2011

Course Director, *Spasticity Workshop*, 6th World Congress of the International Society of Physical and Rehabilitation Medicine, San Juan, Puerto Rico, June 12, 2011

Invited Speaker, *Strategies to Optimize the Outcomes of Spasticity Management*. Grand Rounds. Department of Physical Medicine and Rehabilitation, Mt. Sinai School of Medicine, New York, NY, May 3, 2011

Keynote Speaker, *Optimising Patient Care for the Post Stroke Spasticity (PSS) Patients*, Regional Spasticity Education Conference, Society of Rehabilitation Medicine of Singapore, April 1-2, 2011

Guest Lecturer. *Robots, Stimulators, and Technology: The Art and Science of Rehabilitation Medicine*, Transition to Residency Series, University of Texas Health Science Center Medical School, Houston, TX, March 16, 2011

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 5th, 2010

Keynote Speaker. *Stroke Rehabilitation*. Annual Meeting of the Philippine-American Physiatry Association, Seattle, WA, November 17, 2010

Course Director, *Spasticity Course*, American Academy of Physical Medicine and Rehabilitation Annual Assembly, Seattle, WA, November 15-16, 2010

Invited Speaker. Special Symposium. *The recovery implications of motor skills, pain, and spasticity*. 7th 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*. 6TH Botulinum Toxin Forum on Neuromuscular Diseases Program. Tokyo, Japan, September 9, 2010.

Invited Speaker. OT Topics, Quentin Mease Hospital Occupational Therapy Program *"Re-thinking Spasticity: Implications on Assessment and Management"* Houston, Texas May 13, 2010.

Invited Speaker. *Botulinum toxin and intrathecal baclofen: concurrent or sequential therapies?*, 2nd Asia-Oceania Conference of Physical and Rehabilitation Medicine, Taipei, Taiwan, May 1, 2010

Invited Speaker. *Post-stroke Spasticity System of Care: A Model for Longitudinal, Coordinated, and Comprehensive Rehabilitation Management*, 2nd Asia-Oceania Conference of Physical and Rehabilitation Medicine, Taipei, Taiwan, May 1, 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, *Spasticity Course,* American Academy of Physical Medicine and Rehabilitation Annual Assembly, October 19-20, 2009, Austin, Texas

Course Director, *“Blast-Related, Post-Traumatic Headache and Ophthalmologic Disorders: Diagnosis and Management”* (Course Director, Faculty and PPC Coordinator) American Academy of Physical Medicine and Rehabilitation 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) American Academy of Physical Medicine and Rehabilitation 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

Invited Speaker, *Chemodenervation Workshop.* 6th 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.* 6th 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, 3rd 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, 3rd 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*. 4th World Congress of the International Society of Physical and Rehabilitation Medicine. Seoul, Korea, June 12, 2007

Keynote Speaker, *Spasticity Management*. 4th 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*. 44th 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*. 4th 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, 2nd 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, 2nd 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. 67th 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 67th 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. 67th Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Honolulu, HI, November 10, 2006

Muscle Localization Techniques for Electromyography and Chemoneurolysis. 67th 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. 6th 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. 66th Annual Assembly of the American Academy of Physical Medicine and Rehabilitation, Philadelphia, PA, October 28, 2005

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

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

Cortical Reorganization: Clinical and Physiologic Correlates. 66th 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 Physiatric 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: 2nd 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 3rd Congress of the International Society of Physical and Rehabilitation Medicine. Sao Paulo, 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 8th 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 Physiatrists, 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: Spasticità e Correlati Disordini Del Movimento*. A Manzoni Hospital, Lecco, Italy, June 5-7, 2003

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

Invited Speaker, *Intrathecal Baclofen Therapy in Brain Injury*. 5th 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. 74th meeting of the American Congress of Rehabilitation Medicine, pre-symposium, October 4, 2002, Philadelphia, PA

Stroke Rehabilitation: Recent Findings. 74th 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 Neurorrehabilitación* (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, 18th 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, 19th Annual Symposium, Chicago, July 29 – August 1, 2000

Course Director, *Spasticity Management in the New Century*. Brain Injury Association, 19th 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. 8th 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. 31st Comprehensive Review Course in Physical Medicine and Rehabilitation, Baylor College of Medicine, Houston TX, March 18, 1997

Brain injury rehabilitation--Medical Complications. 31st 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