

Ana Vella Durand-Sanchez
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Education

- 10/2010 – Present Traumatic Brain Injury / Polytrauma Rehabilitation Fellowship
Michael E. DeBakey VAMC/ University of Texas Health Science
Center - Houston, TX.
Primary Mentors: Darlene Makulski, MD; Gerard Francisco, MD.
- 07/2007 - 06/2010 Physical Medicine and Rehabilitation Residency - Alliance of the
Baylor College of Medicine and the University of Texas Health
Science Center – Houston, Texas
- 07/2006 - 06/2007 Preliminary Surgery Internship - Montefiore Medical Center
Albert Einstein College of Medicine. New York, New York
- 09/1998 - 07/2004 Universidad de Guadalajara - Health Science Center
Medical Doctor Degree - Nov, 2004. Minor in Public Health.
Guadalajara, Mexico
- 01/1998 - 12/1998 Homeopathic Medicine
Association of Homeopathic Medicine of Guadalajara,
Guadalajara, Mexico

Research/ Publications

- 03/2011-present Collaboration in study: Cognitive Sequelae of Blast Injury In
Patients With Posttraumatic Stress Disorder (PTSD) and
Comorbid Traumatic Brain Injury And PTSD.
TBI Center of Excellence-Michael E. DeBakey VAMC, Houston, TX
Principal Investigator: Mary Newsome, PhD.
- 02/2011-03/2011 Cortical mechanisms for controlled finger force relaxation using
transcranial magnetic stimulation (TMS) – abstract submitted for
presentation in AAPMR 2011 meeting
Li, S; Durand-Sanchez, A.
UT/ TIRR Motor Recovery Lab, Houston, TX
- 10/2010-04/2011 Retrospective Review of Veterans Treated with
OnabotulinumtoxinA for Posttraumatic Headaches – abstract
presented in Grand Rounds in AAP meeting 2011
Makulski, D; Crawther, J; Durand-Sanchez, A; Tan, F.
- 10/2010 Neurovascular Complications after TBI. Kothari, S; Green, M;
Durand-Sanchez, A. *In* Manual of Traumatic Brain Injury
Management. Zollman, Demos Medical, 2011.
- 02/2010- present *Co-P.I. Neural Mechanisms of Respiratory-Motor Coupling*
The expected outcome from this study is to provide behavioral
and neurophysiological evidence that the influence of the

respiratory system during voluntary breathing on the motor system (e.g. finger muscles) is mediated by an intrinsic neural mechanism.
UT/ TIRR Motor Recovery Lab, Houston, TX
Principal Investigator: Sheng Li, MD, PhD. NIH Grant.

- 07-08/2008 Review of the literature on Sexuality after Stroke
Mentor: Gerard Francisco, MD
- 08-09/2005 Mount Sinai School of Medicine/ VAMC Bronx - PM&R
Collaboration in literature review on aging and disability *Mentor:*
Adrian Cristian, MD
- 08/2000 University of Guadalajara, Department of Clinical Epidemiology.
Collaboration on data collection and statistical analysis on
Tobacco and IUGR.
Mentor: Guillermo Alvarez, MD, MPH
- 02/2000 University of Guadalajara, Department of Clinical Epidemiology.
Collaboration on data collection and statistical analysis on:
Relationship between Frequent Ingestion of Alcohol and Clinical
Performance in Interns of the Antiguo Hospital Civil
Mentor: Guillermo Alvarez, MD, MPH
- 06/1999 Durand, A; Romero, J. *Glucagon*. Universidad de Guadalajara
independent press. 1999, Guadalajara, Mexico

Honors / Awards

- 07/2010 UT PM&R grant to attend “Intensive Course in Transcranial
Magnetic Stimulation”, Harvard Medical School.
- 06/2010 “Oliver R. Smith, MD” Resident Achievement Award
Physical Medicine and Rehabilitation Alliance of the Baylor
College of Medicine and the University of Texas Health Science
Center – Houston
- 03/2007 BCM/UT HSC PM&R Alliance recognition for high performance in
PM&R National Self Assessment Examination
- 07/2004 University Health Sciences Center Award for Student
Excellence, Universidad de Guadalajara
- 06/2003 Distinguished Intern Award, Regional General Hospital # 46 (Top
in class)
- 06/1997 General Bachelor Diploma with High Honors from the Monterrey
Institute of Technology and Higher Education -High School

Continuing Education Courses

- 04/2011 Non-epileptic Stress Attacks. Epilepsy monitoring unit; Neurophysiology
Department. Michael E. DeBakey VAMC. Houston, TX
- 04/2011 AAP 2011 Annual Meeting. Phoenix, AZ

03/2011 45th Comprehensive Review Course in PM&R, BCM/UT HSC-H Houston, TX

03/2011 Traumatic Brain Injury/Polytrauma conference. Michael E. DeBakey VAMC. Houston, TX

02/2011 Electromyography Workshop: Cervical Dystonia and Upper Limb Spasticity. Houston, TX

10/2010 Neuropsychology in Brain Injury, Review & Updates- Weekly Conference Director: Nicholas Pastorek, PhD. Michael E. DeBakey VAMC - Houston

07/2010 Intensive Course in Transcranial Magnetic Stimulation Director: A. Pascual-Leone, MD. Harvard Medical School, Boston, MA

06/2010 Root Cause Analysis Session. The Institute for Rehabilitation and Research. Houston, TX

05/2010 Clinician-Patient Communication to Enhance Health Outcomes-Workshop The Institute for Healthcare Communication. Houston, TX

04/2010 Orthotics workshop, Houston, TX

04/2010 44th Comprehensive Review Course in PM&R, Houston, TX

02/2010 EMG workshop by Dr. Faye Tan and Oscar Sanchez, Houston, TX

02/2010 Biomedical Researcher and Key Personnel Course by CITI -online

10/2009 70th AAPM&R Annual Assembly, Austin, TX

10/20-21/09 Advanced Assessment and Management Skills for Spasticity, Dystonia and Related Motor Disorders: An Interactive, Hands-On Workshop
Director: Dr. Gerard Francisco, Austin TX

10/23/09 State-of-the-Art Treatment of Cervical Dystonia and Thoracic Outlet Syndrome with Chemodeneration and Ultrasound Guidance -Workshop. 70th AAPM&R Annual Assembly, Austin, TX

10/22/09 Improving Function and Quality of Life in Stroke Survivors with Spasticity: A Hands-On Segmental Neuromyotherapy Approach -Workshop. 70th AAPM&R Annual Assembly, Austin, TX

05/2009 Prosthetics workshop, Houston, TX

03/2009 Orthotics workshop, Houston, TX

02/2009 Management of neck dystonia / EMG workshop. Houston, TX

02/2009 Musculoskeletal ultrasound, Houston, TX

07/2008 Chemodeneration workshop, Quentin Mease Hosp. Houston, TX

06/2008 Prosthetics and Orthotics workshop, Houston, TX

03/2008 Research Course by Dr. Angelle Sander, Houston, TX

02/2008 EMG workshop by Dr. Faye Tan & Dr. John Harrell, Houston, TX

02/2008 Treatment of Muscle Dystonias, QMH, Houston, TX

12/2007 Prosthetics and Orthotics workshop, Dynamic, Houston, TX

05/2007 Treatment of patients with advanced GI and hepatic diseases

03/2006 Advances in Rehabilitation Congress, Gdl, Mx. - 20 CEU hours

02/2006 International Medical Advances Congress; Physical medicine and health module. Gdl, Mx. 18 CEU hours

06/2005 7th Annual PM&R Scientific Day, UTSW Medical Center, Dallas, Texas - 3 CEU hours

04/2005 International Congress, Western PM&R Society, Puerto Vallarta, Mexico - 30 CEU hours

10/2002 Congress for Pre-graduate Medical Interns, Gdl - 40 CEU hours

06/2000 25th World Congress of Internal Medicine, Cancun, Mexico

Certification/Licensure

11/29/05 ECFMG certificate – valid indefinitely

04/2010 ACLS re-certification
04/2010 BLS re-certification

Professional Societies

2009-present Brain Injury Association of America
2007-present American Academy of Physical Medicine & Rehabilitation
2007-present Association of Academic Physiatrists
2007-present Harris County Medical Society
1999-2004 Medical Association, Jalisco, Mexico

Examinations

08/2010 ABPMR Part I – passed
2009 USMLE Step 3 – passed
2005 USMLE Step 2 Clinical Knowledge - passed
2005 USMLE Step 2 Clinical Skills - passed
2005 USMLE Step 1 - passed

Lectures /Presentations

12/2010 Introduction to TMS and tDCS
ECU PM&R Department – Greenville NC
06/2010 Updates on the Pathophysiology of Dystonia
PM&R Alliance of BCM and UTHSC- Houston
04/2010 Brain Connections in Dystonia
Texas Childrens Hospital, Houston, TX
10/2009 Introduction to TBI & Posterior Fossa Syndrome
PM&R Alliance of BCM and UTHSC- Houston
09/2009 Transcranial Magnetic Brain Stimulation: an overview
PM&R Alliance of BCM and UTHSC- Houston
06/2009 Audiologic Changes in Patients with Blast-Related Brain Injury
VAMC PM&R department, Houston, TX
04/2009 Cardiac Rehabilitation: inpatient vs. outpatient program
Journal Club, PM&R Alliance of BCM and UTHSC- Houston
03/2009 Rehabilitation of Patients with Posterior Fossa Syndrome
Texas Childrens Hospital, Houston, TX
03/2009 Cardiac Rehabilitation: inpatient vs. outpatient program
Journal Club, PM&R Alliance of BCM and UTHSC- Houston
09/2008 Musculoskeletal ACES Instructor: Educated and tested junior residents
about key components of the musculoskeletal exam
08/2008 William H. Donovan Critical Review of the literature: Sexuality after Stroke
PM&R Alliance of BCM and UTHSC-Houston
08/2008 Understanding and living with Neurogenic Bowel
PM&R Department, Quentin Mease Hospital, Houston, TX.
07/2008 Neck pain Physiology and Management. Grand rounds of the Family
Medicine department, VAMC - Houston
11/2007 Charcot Foot- Etiology and Rehabilitation
PM&R Department, Memorial Hermann Hosp. Houston, TX
09/2007 Knee Anatomy and Injuries. Peer reviewed oral presentation
PM&R Alliance of BCM and UTHSC- Houston

Work / Volunteer Clinical Experience

- 11/2005- 05/2006 Children's Orthopedics & Rehabilitation Ctr.(CORI)
Participating in the care of patients with acquired and congenital musculoskeletal pathologies; cerebral palsy; high risk infants. Guadalajara, Mexico.
- 08/2005 Mount Sinai School of Medicine - PM&R Department
Observer under Drs. Howard Choi and Adrian Cristian
- 07/2005 PM&R Alliance of BCM and UTHSC- Houston
Observer under Dr. Cindy Ivanhoe
- 06/2005 UT Southwestern Medical Center - PM&R Department
Observer under Drs. Susan Garstang and Samuel Bierner
- 02/2005 - 05/2005 CIRIAC -Rehabilitation Ctr. for patients with Cerebral Palsy.
Volunteer: General medicine Health care for CIRIAC's patients.
- 08/2004 - 02/2005 Assisted with surgeries by Dr. F. García, CV surgeon; Dr. F. Sanchez, Urologist; Dr. B. Barragan, Gynecologist; and Dr. E. Quintero, Maxillofacial surgeon, in various private hospitals in Guadalajara, and Tepatitlan, Mexico.
- 08/2003 - 07/2004 Universidad de Guadalajara - Red Cross ER, IP, OP and contingency teams. A year's social service is mandatory for full Mexican medical licensure: this position was reserved for honors graduates.
- 07/2002 - 06/2003 Universidad de Guadalajara – IMSS Regional Hospital #46 National Social Security Inst. (IMSS). Internship year (required to obtain an MD degree). Month-long rotations in all basic areas of Medicine, including Neurology (at Creteil University, Paris, France); Physical Medicine and Rehabilitation (at the Telethon Children's Rehabilitation Center -first clerk accepted to work in the pilot rotations program).
- 01/2002 - 07/2002 Screened and educated residents of underserved areas of Guadalajara on the importance of health care.
- 03/2000 - 08/2000 Menchaca Hospital, Guadalajara - Observer in ICU

Other Volunteer Activities

- 2009 - present St. Vincent de Paul Society – humanitarian support for low income population in Houston, TX
- 07/2004 - 05/2006 Teacher - Private courses in biology, physics and Mathematics; Guadalajara, MX
- 06/1997 - 09/1997 Don Bosco Youth Svcs., Sonora, Mexico
Worked with low-income population providing community education/ preventive health and rehabilitation programs for substance abusers.

Hobbies & Interests

Traveling, Music (playing instruments and singing), Reading about world cultures.

Language Fluency (Other than English)

Spanish - Native language.

French - Fluent, including medical terminology. Highest French Education Ministry certificate for French language, Life Sciences specialty.

German - Basic level.