



**CURRICULUM VITAE**  
**MARISSA MCCARTHY, M.D., FAAPMR**

**625 E. TWIGGS ST., SUITE 103**  
**TAMPA, FL 33602**  
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**PROFESSIONAL SUMMARY:**

Physician currently serving as a consultant at Rehabilitation and Electrodiagnostics, P.A. Medical director of vocational rehabilitation at a leading polytrauma hospital in Tampa. Program director for Physical Medicine and Rehabilitation at the University of South Florida Residency Training Program. Non clinical practice focus is providing assistance, consultations and advising as an expert on medico-legal issues. Medical interests include traumatic brain injury, spinal cord injury and multiple catastrophic injuries. Practice Highlights for 2023 include:

- Direct Patient Care: 70%
- Medico Legal: 30%

**EDUCATION:**

Bachelor of Science in Biology, University of Miami, Coral Gables, FL,  
1998-2000

Medical School:

M.D., University of Miami Miller School of Medicine, Miami,  
Florida, 2000-2004

Internship: Internal Medicine

New York Medical College, St. Vincent's Catholic Medical Center,  
Staten Island Program, Staten Island, NY, 2004-2005

Residency: Physical Medicine & Rehabilitation

Baylor College of Medicine, Houston, TX 2005-2008

Acupuncture Training: Certification in Battlefield Acupuncture

Helms Medical Institute, Berkeley, CA, 2012

### **BOARD CERTIFICATIONS:**

- Diplomate, American Board of Physical Medicine and Rehabilitation 2009, recertified 2020-2029
- Sub-specialty certification, Brain Injury Medicine, 2014

### **MEDICAL LICENSURE:**

- Florida

### **PROFESSIONAL BACKGROUND:**

2020 - Present: Rehabilitation and Electrodiagnostics, PA, Tampa, A single specialty, group physician practice with three locations in Tampa, Florida.

2008 – present: James A. Haley VA, Tampa, FL

- Medical Director, Polytrauma/TBI, 2008-2016
- Medical Director, CARF Inpatient TBI, 2008-2016
- Medical Director, Vocational Rehabilitation, 2017-present

### **ACADEMIC APPOINTMENTS:**

University of South Florida, College of Medicine

- Graduate Medical Education Committee, 2008-present
- Graduation Committee, 2008-present
- Assistant Professor, Department of Neurology, 2009-2016
- Assistant Residency Director, 2012-2016
- Associate Professor, Department of Neurology, 2016-present
- Residency Program Directory, 2017-present
- Program Director, Physical Medicine and Rehabilitation Residency, 2017-present

### **CURRENT HOSPITAL AFFILIATIONS:**

2008 – Present: James A Haley Veteran's Hospital, Tampa, Florida

- Medical Director, Polytrauma/TBI, 2008-2016
- Medical Director, CARF Inpatient TBI, 2008-2016

- Medical Director, Vocational Rehabilitation, 2017-present

## **RESEARCH:**

### **National Scientific Participation (not funded)**

James A Haley TBI Model System Program of Research IRB  
PR 00000094 2009 – present, role co – PI

James A Haley Moderate to Severe Traumatic Brain Injury:  
VA Polytrauma Rehabilitation Center's Experience IRB  
PR00000095 – 2010 to present, role PI

#### **1. Professional societies; elected positions**

##### **A. Board exams, Credentialing:**

American Board of Physical Medicine and Rehabilitation  
Invited ABPMR oral examiner – 2015 to present

American Board of Physical Medicine and Rehabilitation  
Brain Injury Medicine  
Invited written examiner – 2015 to present

American Board of Physical Medicine and Rehabilitation  
Cert-Link  
Invited question writer – 2016 to present

American Board of Physical Medicine and Rehabilitation  
Invited clone question writer - 2017 to present

American Board of Physical Medicine and rehabilitation  
Invited standard setting ABPMR Part 1 Examination  
2018

##### **B. National organizations and committees:**

Association of Academic Physiatrists  
Member 2005 – 2008, 2018-2019

American Academy of Phys. Med. Rehab.  
Member 2005 - 2008

American Congress of Rehabilitation Medicine  
Attendee 2011

NIDRR and VA TBI Model System Disorder of  
Consciousness Special Interest Group and  
ACRM Brain Injury I-SIG Disorder of Consciousness  
Task Force

**2. Invited lectures, presentations, research seminars: National,  
International Education Coordinator Retreat University of  
South Florida**

*American Congress of Rehabilitation Medicine 2010  
Acute rehabilitation of persons with disorders of  
consciousness: Outcomes from three multi-center  
studies – October 23 2010, Montreal Canada  
American Academy of Physiatry National Conference  
2010 Blast Injury – Mild TBI April 2010, Bonita Springs,  
Florida*

*Blast Injury National Conference 2010 Emerging  
Consciousness Program –December 2010 Tampa,  
Florida*

*3<sup>rd</sup> Annual TBI Interagency Conference 2011  
Acute rehabilitation of persons with disorders of  
consciousness: Outcomes from three multi-center  
studies – June 2011 Washington DC*

*Polytrauma System of Care Conference 2011  
Rehabilitating Combat Related Polytrauma in 2011: New  
Injuries, New Paradigms, San Antonio*

*Symposium presented at the American Congress of  
Rehabilitation Medicine Annual Meeting, Atlanta, GA.  
Nakase-Richardson, R. (Organizer), Horn, LJ,  
Greenwald, B, Himmler, M, McCarthy, M, Hammond, F,  
Yablon, SA. (2011, Oct). Part 2: Medical and behavioral  
complexity of persons with DOC.*

*American Academy of Physical Medicine and  
Rehabilitation Annual Conference Best Practices in  
Traumatic Brain Injury/Polytrauma Rehabilitation  
Orlando, FL November 2011.*

*Blast Injury National Conference 2012 Medical  
Comorbidities in Patients with moderate to severe head*

injury, Tampa FL

*Allergan Neurosciences* – Invited instructor to Allergan Training RITE Program 2010 (Tampa FL), 2019 (Atlanta GA)

*Allergan Neurosciences* – Atlanta GA, BOTOX® (onabotulinumtoxinA) for Upper Limb Spasticity Patients Speaker Training Meeting., Invited Faculty February 2012

*Merz Regional Consultants Meeting* Tampa, Florida March 2012 - invited consultant, *Advisory Board Meeting* 2019 Chicago, Illinois

*Ipsen Biopharmaceuticals Physician Advisory Board Meeting.* Miami, Florida. December 2012 – invited board member

*Allergan Neurosciences Paralyzed Veterans of America (PVA) meeting,* “Upper Limb Spasticity” Orlando, Florida August 2013 – invited speaker

*USSOCOM Care Coalition Conference* 2016 Conference Westin Harbor Island Hotel from 24-26 May 2016 expert member of PTSD and TBI panel

## **POSTER PRESENTATIONS:**

Manzi, S, McCarthy MR, Francisco, GE: *Computerized Tomography (CT)-Guided Injection of the Iliopsoas Muscle: Successful Outcomes in a Case Series. An Alternative Technique for the Intervention of Spastic Hypertonia.* Poster presented November 2008

McCarthy, M., & Massengale, J. (2012) *Brain Injury Co-morbidities: Focus on Intracranial Infection.* Poster presented at 2012 DVBICTBI Symposium, Tampa, FL, December 2012

Kent, R, McCarthy, M, Nakase-Richardson, R, Massengale, J, Cifu, D, Frontera, A. (2011). Case study of five patients with severe TBI's that underwent hyperbaric oxygen treatment. Poster presented at the 2011 American Congress of Rehabilitation Medicine Annual Meeting, Atlanta, Georgia, October 2011

Massengale J, Tran J, Schwartz T, Groer S, Scott S, McCarthy M, Nakase-Richardson R, Heinzl F. (2011). *Prevalence of Intracranial Infection Among a Consecutive Series of VHA Patients with Disorders of Consciousness*. Poster presented at Federal Interagency Conference on Traumatic Brain Injury, Washington, DC., June 2011

Gootam, PK, Kretzmer, TS, Daniels, BJ, McCarthy, M, Merritt, B., Anderson, WM, Nakase-Richardson, R. *Concordance of Actigraphy and Polysomnography Metrics in Patients with Traumatic Brain Injury: A Pilot Study*. Poster presented at Annual Academy of Sleep Medicine Meeting

Bentley JA, Nakase-Richardson R, McCarthy M, Anderson WM. (2011). *Examining the Concordance Between Actigraphy and Polysomnography in Monitoring Sleep Among Acute Traumatic Brain Injury Patients: A Case Series*. Paper presented at the Rehabilitation Psychology Annual Conference

Holcomb E, Schwartz DJ, McCarthy M, Geck R, Garafano J, Modarres M, Barnett S, Schwaiger E, Nakase-Richardson R. *Incidence of Sleep Apnea in Consecutive Traumatic Brain Injury Admissions at a Veterans Affairs Polytrauma Rehabilitation Center*. Poster Presented at the 2015 Associated Professional Sleep Societies (American Academy of Sleep Medicine and Sleep Research Society) Annual Meeting in Seattle, WA, June 2015

Joel Kamper, Ph.D., Risa Nakase-Richardson, Ph.D., Dan Schwartz, M.D., Marissa McCarthy, M.D., Tracy Kretzmer, Ph.D., Jeff Garafano, M.S., Robert Geck, M.D., William M. Anderson, M.D. *The Validity of Actigraphy as a Sleep Correlate in the TBI Population*. Student-led oral presentation at the 2015 International Neuropsychological Society Annual Conference, Denver, Colorado, February 2015

Corey Reeves M.D., Marissa R. McCarthy, MD, Faiza Humayun, M.D. *Cognitive and Physical Recovery Status Post Severe Anoxic Brain Injury*. Association of Academic Psychiatrists. Annual Meeting, March 2015.

Marissa R. McCarthy, MD, *Cognitive and Physical Recovery After Cranioplasty in a Patient with Syndrome of the Trepined*. American Congress of Rehabilitation Medicine. Annual Meeting, October 2015.

Marissa R. McCarthy, MD, *Eccrine gland chemodenervation for hyperhidrosis management of an amputees residual limb.*

- AAP, Puerto Rico, February 2019
- American Academy of Orthotists and prosthetics, Orlando FL, March 2019
- AAPMR, San Antonio, TX, November 2019

## **LECTURES/WORKSHOPS/SEMINARS:**

International:

*American Congress of Rehabilitation Medicine Annual Meeting 2010, Montreal, Canada - Nakase-Richardson R, Giacino J., McCarthy M., Yablon SA., Whyte J., Seidner A., Kelly J.P. Acute rehabilitation of persons with disorders of consciousness: Outcomes from three multi-center studies.*

National:

*American Academy of Physiatry National Conference 2010  
Blast Injury – Mild TBI April 8<sup>th</sup> 2010, Bonita Springs Florida*

*Blast Injury National Conference 2010 - Emerging  
Consciousness Program –December 2010 Tampa, Florida*

*3<sup>rd</sup> Annual TBI Interagency Conference 2011 - Acute  
rehabilitation of persons with disorders of consciousness:  
Outcomes from three multi-center studies – June 2011  
Washington DC*

*Symposium presented at the American Congress of  
Rehabilitation Medicine Annual Meeting, Atlanta, GA. Nakase-  
Richardson, R. (Organizer), Horn, LJ, Greenwald, B, Himmler,  
M, McCarthy, M, Hammond, F, Yablon, SA. (2011, Oct). Part  
2: Medical and behavioral complexity of persons with DOC.*

*Kretzmer, TS, Daniels, BJ, Gootam, PK, McCarthy, M, Merritt,  
B, Anderson, WM., Nakase-Richardson, R. Concordance of  
actigraphy with overnight polysomnography: a pilot study.  
Accepted to the American Congress of Rehabilitation Medicine  
Annual Meeting 2011.*

*Daniels, B, Nakase-Richardson, R, Kretzmer, T, Gootam, P,  
McCarthy, M, Anderson, WM, Zeitzer, J. Do epoch and  
sensitivity settings alter polysomnography and actigraphy*

agreement among medically complex TBI patients accepted to American Congress of Rehabilitation Medicine Annual Meeting 2011

*American Academy of Physical Medicine and Rehabilitation Annual Conference - Best Practices in Traumatic Brain Injury/Polytrauma Rehabilitation Orlando, FL November 2011.*

*Blast Injury National Conference 2012 Medical Co-morbidities in Patients with moderate to severe head injury*

*Allergan Neurosciences – Tampa, FL – Invited instructor to Allergan Training RITE Cadaver Program 2010, 2016, 2019*

*Allergan Neurosciences – Atlanta GA, BOTOX® (onabotulinumtoxinA) for Upper Limb Spasticity Patients Speaker Training Meeting., Invited Faculty February 2012*

*Ipsen Biopharmaceuticals Physician Advisory Board Meeting. Miami, Florida. December 2012 – invited board member*

*Allergan Neurosciences Paralyzed Veterans of America (PVA) meeting, "Upper Limb Spasticity" Orlando, Florida August 2013 – invited speaker*

Soble J., Nakase-Richardson R., Schwartz DJ, Modarres M., McCarthy M, Barnett S. Is Sleep Apnea a modifiable mechanism underlying prolonged PTA duration in acute TBI patients? Oral paper presented at the 2014 (February) International Neuropsychological Society Annual Conference, Seattle, WA.

Nakase-Richardson R., Schwartz DJ., McCarthy M., Modarres M., Zeitzer J., Anderson WM., Midkiff M. Implementation of Objective Sleep Monitoring During Acute Neurorehabilitation: Feasibility and Clinical Findings. Oral paper presented at the 2014 (February) International Brain Injury Association Bi-Annual Conference, San Francisco, CA.

Holcomb E, Schwartz DJ, McCarthy M, Geck R, Garafano J, Modarres M, Barnett S, Schwaiger E, Nakase-Richardson R. Incidence of Sleep Apnea in Consecutive Traumatic Brain Injury Admissions at a Veterans Affairs Polytrauma Rehabilitation Center. Oral Presentation at the 2015 *Southern Sleep Society Annual Meeting* in New Orleans, LA.



## **PUBLICATIONS:**

Tran J, Hammond F, Dams-O'Connor K, Tang X, Eapen B, McCarthy M, Nakase-Richardson R. Rehospitalization in the First Year following Veteran and Service Member TBI: A VA TBI Model Systems Study. *Journal of Head Trauma and Rehabilitation* July/Aug 2017

Holcomb EM, Schwartz DJ, McCarthy M, Thomas B, Barnett SD, Nakase-Richardson R. Incidence, characterization, and predictors of sleep apnea in consecutive brain injury rehabilitation admissions. *J Head Trauma Rehabil.* 2016; 31(2): 82-100. doi: 10.1097/HTR.0000000000000230 PMID: 26959663

Nakase-Richardson R, McNamee S, Howe LLS, Massengale J, Peterson M, Barnett SD, Harris O, McCarthy M, Tran J, Scott S, Cifu DX. Descriptive characteristics and rehabilitation outcomes in active duty military personal and veterans with disorders of consciousness with combat and non-combat-related brain injury. *Arch of Phys Med Rehab.* 2013; 94(10): 1861-1869

Nakase-Richardson R., Schwartz DJ., *McCarthy M.*, Kretzmer T., Soble J., McGarity, S., Modarres M., Scott S., Vanderploeg R., Anderson WM. Feasibility of Polysomnography Objective Sleep Assessment in the Acute Moderate to Severe Traumatic Brain Injury Patient. American Congress of Rehabilitation Medicine Annual Conference. Arch Phys Med Rehabil 94 (10), e43.

Nakase-Richardson R, Whyte J, Giacino JT, Pavawalla S, Barnett ST, Yablon SA, Sherer M, Kalmar K, Hammond F, Greenwald B, Horn LJ, Seel RT, *McCarthy M*, Tran J, Walker W. Longitudinal outcome of patients with disordered consciousness in the NIDRR TBI Model Systems Programs. Journal of Neurotrauma, 2012; 29(1):59-65

Silva, M.A., Nakase-Richardson, R., Critchfield, E., Kieffer, K, & *McCarthy, M.* Syndrome of Trepine Presentation in a Minimally Responsive Patient: In search of Measures Sensitive to Neurologic Decline. Poster presentation at the 2012 National Academy of Neuropsychology Annual Conference. Arch Clin Neuropsychology 2012 Sep;27(6): 628.

Kent R, *McCarthy M*, Nakase-Richardson R, Massengale J, Cifu D, Frontera A: Case study of five patients with severe TBI that underwent Hyperbaric Oxygen Treatment. Arch Phys Med Rehabil 2011;92(10):1726)

Kent, Robert, Risa Richardson, *Marissa Mccarthy*, David Cifu, Alfred Frontera, and Jill Massengale. "Use of Hyperbaric Oxygen Treatment in Chronic Severe Traumatic Brain Injury." Physical Medicine and Rehabilitation 3.10 (2011): 178-179.

Kent R., *McCarthy, M. R.*, & Scott, S. (2012). Poster 47 An Athlete with a Right Subdural Hematoma with Ipsilateral Hemiparesis Secondary to Kernohan's Notch Phenomenon: A Case Report. PM&R, 4(10), S205.

Tracy S. Kretzmer, Risa Nakase-Richardson, Praveen K. Gootam, *Marissa McCarthy*, Bryan Merritt, William M. Anderson. Poster 125 Sleep Diagnoses among A TBI Cohort Referred for Polysomnography During Inpatient Rehabilitation. Archives of Physical Medicine and Rehabilitation 1 October 2011 (volume 92 issue 10 Pages 1727-1728 DOI: 10.1016/j.apmr.2011.07.151)

Nakase-Richardson, R, Giacino JT, Whyte J, Pavawalla, S, Barnett, S, Yablon, SA, *McCarthy, M.*, Tran, J., Sherer, M, Kalmar, K, Hammond, B, Greenwald, B, Horn, L, Carlisle, M, Seel, R, Walker, W. Prospective characterization of the natural history of recovery from severe TBI. Journal of the International Neuropsychological Society, 17(S1), 230

*McCarthy MR*, Manzi S, Nouri K: Poster Board 352: Bariatrics and the Role of the Rehabilitation Specialist – Opportunity or Duty? Am J Phys Med Rehabil 2008; 87(suppl):S53

*McCarthy MR*, Manzi S, Rintala DH, Francisco GE, Chiou Tan F: Poster Board 139: Safety of Botulinum Toxin Type A Dosing in Patients with Spinal Cord Injury or Stroke. Erratum: Am J Phys Med Rehabil 2008;87:456

M.L. Sipski; MD; C. Alexander; PhD; O. Gomez-Marin; MSc; PhD; *M. Grossbard*; BS; R. Rosen; PhD. Effects of Vibratory Stimulation on Sexual Response in Women with Spinal Cord Injury Journal of Rehabilitation Research and Development.

September/October 2005;Volume 42, Number 5 Pages 609-616.

## **BOOKS:**

Book chapters written:

McCarthy M, Feliu A, Nakase-Richardson R. Polytrauma System of Care. *Encyclopedia of Clinical Neuropsychology*; Springer. [https://doi.org/10.1007/978-3-319-56782-2\\_9237-1](https://doi.org/10.1007/978-3-319-56782-2_9237-1)

Essentials of Physical Medicine and Rehabilitation: Chapter 145 Polytrauma Rehabilitation, 3<sup>rd</sup> edition, pages 769-774. Author *Marissa McCarthy MD*.

Essentials of Physical Medicine and Rehabilitation: Chapter 113 Temporomandibular Joint Dysfunction, 3<sup>rd</sup> edition, pages 567-571. Author *Marissa McCarthy MD*.

Principles of Rehabilitation Medicine. Chapter 90: Rehabilitation of the Polytrauma Patient, Copyright 2019. Author *Marissa McCarthy MD*

Other works communicating research results to scientific colleagues:

Peer reviewed Case Reports:  
Comparative Analysis of Cervical Spine Management in a Subset of Severe Traumatic Brain Injury Cases Using Computer Simulation PONE-D-10-06263R1  
PME-RES-May-09-128 entitled "A New Muscle Pain Detection Device to Diagnose Muscles as a Source of Back and/or Neck Pain" for Pain Medicine. PONE-D-10-06263

**LANGUAGES:** Fluent: Spanish and English