

## Scholarly Activity 2019

### Current Research in Progress

1. **JFK Johnson Rehabilitation Institute Awarded Traumatic Brain Injury Model System (TBIMS)**  
Sponsored by the National Institute on Disability, Independent Living, and Rehabilitation Research, Administration for Community Living, US Department of Health and Human Services, research to meet the needs of individuals with traumatic brain injury. September 2017-2022 (5 year grant).
2. **Greenwald, Brian, MD**, Primary Investigator for Avanir AVP 786 Pharmaceutical Clinical Trial Grant, - Trial Ongoing, 2017-Present
3. **Bartone, Dana, Dibling, Janice, SLP, Cuccurullo, Sara, MD, Fleming, Talya, MD, Eckert, Anne, AuD, MBA, CCC/A**, JFK Medical Center IRB, “ Functional Outcomes of Speech Language Pathology Intervention Post-Stroke” 2018 - Present
4. **Bagay, Leslie, MD, Cuccurullo, Sara, MD** IRB Approved “PM&R Evaluation Project: Development of standardized rotation specific resident evaluation forms that incorporate the PM&R Milestones, 2018 - Present
5. **Rossi, Roger, DO**, Exercise and rTMS (repetitive transcranial magnetic stimulation) in Parkinson’s Disease-p20 study in collaboration with NYU Langone Medical Center and the Parkinson’s Disease and Movement Disorders Center, 2018 - Present
6. **Greiss, Christine, DO, Cuccurullo, Sara, MD, Fleming, Talya, MD**, JFK Medical Center IRB, Stroke Recovery Program – Changes in AMPAC Following SSRI Administration, 2018 - Present
7. **Joki, Jaclyn, MD, Cuccurullo, Sara, MD, Fleming, Talya, MD**, Rutgers IRB, Transcatheter Aortic Valve Replacement (TAVR) versus Minimally Invasive Aortic Valve Replacement (miniAVR) and their effects on cognition and function, 2018 - Present
8. **Joki, Jaclyn, MD, Cuccurullo, Sara, MD, Fleming, Talya, MD**, Rutgers IRB, Transitions of Care for Stroke Patients, 2018 - Present
9. **Cuccurullo, Sara, MD, Fleming, Talya, MD, Greiss, Christine, DO, Eckert Anne, Ph.D., Scarpati, Rosann, RN**, JFK IRB, Stroke Recovery Program Clinical Outcomes Trial, Mortality, Incidence of New Strokes and Readmissions and Functional Outcomes trial. Multi-Center Collaborative Initiative, JFK Johnson Rehabilitation Institute, Rutgers, Robert Wood Johnson Medical School, 2015 - Present
10. **Escaldi, Steven, DO**, Research Project with Rutgers Bioengineering Department in conjunction with JFK Johnson Spasticity Clinic, 2018 - Present
11. **Brown, David, DO**, Pediatric Guillain Barre EMG Series Study and Phrenic Nerve EMG Study Pre and Post EMG findings after Pacer Implant, 2015 - Present
12. **Bagay, Leslie, MD, Luke, Ofure, MD, Landolfi, Joseph, DO, Cuccurullo, Sara, MD, Fleming, Talya, MD, Porbeni, Charles, MD**, JFK IRB– Brain Tumor Rehabilitation Program utilizing Cardiovascular training, Malignant Glioma Outcomes Trial 2019

### Text Books

1. **Cuccurullo, Sara, MD**, Editor-in Chief, (2004) Physical Medicine and Rehabilitation( PM&R) Board Review, First Edition , 848 pages, Demos Publishing, N.Y., N.Y.
2. **Cuccurullo, Sara, MD**, Editor-in Chief, (2010) PM&R Board Review, Second Edition , Textbook 938 pages, Demos Publishing, N.Y., N.Y.
3. **Cuccurullo, Sara, MD**, Editor-in Chief, (2014) PM&R Board Review, Third Edition , 953 pages, Demos Publishing, N.Y., N.Y.
4. **Cuccurullo, Sara, MD**, Editor-in Chief, (2019) PM&R Board Review, Fourth Edition , 1001 pages, Demos Publishing, N.Y., N.Y.

### Peer Reviewed Publications

1. **Thomas, Alphonsa, MD, Greenwald, Brian, MD**, *“Paroxysmal Sympathetic Hyperactivity and Clinical Considerations for Patients with Acquired Brain Injuries: A Narrative Review*, American Journal of PM&R, 98(1):65-72, January 2019
2. **Cicerone, KD. Goldin Y.**, Ganci K, Rosenbaum, A, Wethe J, Langenbahn, D, Malec JF, Bergquist TF, Kingsley, K, Nagele, D, Trexler, L, Fraas, M, Bogdanova, Y, Harley JP, *“Evidence-Based Cognitive Rehabilitation: Systematic Review of the Literature From 2009 Through 2014; Archives of PM&R in press 2019*
3. **Cuccurullo, Sara, MD, Fleming, Talya, MD**, Kostis, William, MD, Greiss, Christine, DO, Gizzi Martin, MD, Ph.D., Eckert, Anne, AuD, MBA, CCC/A, Ray, Arlen, PT, Scarpati, Rosann, RN, Cosgrove, Nora, RN, CCRC, Beavers, Traymon, BS, Cabrera, Javier, Ph.D., Sargsyan, Davit, MD, Kostis, John B., MD, D.Phil, *“Impact of a Stroke Recovery Program Integrating Modified Cardiac Rehabilitation on All-Cause Mortality, Cardiovascular Performance and Functional Performance*, American Journal of PM&R, November 2019, Volume 98, Issue 11
4. **Silver, Julie, MD, Cuccurullo, Sara, MD, Weiss, Lyn, MD, Visco, Christopher, MD, Oh-Park, Mooyeon, MD, Perret-Karimi, Danielle, MD, Frontera, Walter, MD, Ph.D, Fleming, Talya, MD, Bosques, Glendaliz, MD, Bhatnagar, Saurabha, MD, Ambrose, Anne Felicia, MD, Nguyen, Vu. MD**, *“The Vital Role of Professionalism in Physical Medicine and Rehabilitation* American Journal Of PM&R, In Press 2019
5. **Khanuja, Kavisha, BA, Joki, Jaclyn, MD, Bachmann, Gloria, MD, MMS, Cuccurullo, Sara, MD**, *Gait and Balance in the Aging Population: Fall Prevention Using Innovation and Technology* Maturitas, 2018, PMID:29563035
6. Silver, JK, MD, **Cuccurullo, Sara, MD**, Ambrose AF, MD, Bhatnagar, S, MD, Bosques, G, MD, **Fleming, Talya, MD**, Frontera, WR, MD, Karimi, DP, MD, Sowa, G, MD, Visco, C, MD, Weiss, L, MD, Knowlton, T, *Association of Academic Physiatrists Woman’s Task Force Report*, American Journal of PM&R, 2018, April 20, PMID: 29734233

### Abstracts/Poster Presentations

#### **Association of Academic Physiatrist National Meeting, San Juan, Puerto Rico, February 2019**

1. **Patel, Shrut, MD, Markos, Steven, MD, Thakral, Aakash, MD, Cuccurullo, Sara, MD, Fleming, Talya, MD, Greiss, Christine, MD**, *“Cardiovascular Interval Training Significantly Improves MET-minutes in Stroke Survivors”*,

2. **Chan, Stephanie, MD, Greenwald, Brian, MD**, “Testosterone Supplementation in a Male Patient with Disorder of Consciousness After Severe Traumatic Brain Injury (TBI): To Replace or not to Replace”,
3. **Chan, Stephanie, MD, Jafri, Iqbal, MD, Cuccurullo, Sara, MD**, “Effects of Comprehensive Cardiac Rehabilitation for a Young Patient with Peri-partum Cardiomyopathy Requiring a Left Ventricular Assist Device (LVAD)”,
4. **Patel, Shrut, MD, Malone, Richard, DO, Cuccurullo, Sara, MD**, “Cerebellar Cognitive Affective Syndrome presenting as Adjustment Disorder and Acute Stress Disorder in a Patient with Cerebellar Mass”,
5. **Thakral, Aakash, MD, Greenwald, Brian, MD, Thomas, Alphonsa, DO**, “Weathering the Storm After Severe Traumatic Brain Injury: A Case Report”,
6. **Wong, Joseph, MD, Thakral, Aakash, MD, Luke Ofure, MD, Brown, David, DO, Cuccurullo, Sara, MD**, “Rare Occurrence of Phrenic Neuropathy Diagnosed in a Pair of Siblings: A Case Report”,
7. **Gilbert, Ekuu, MD**, “The Effects of Neurological Assessment Competency Evaluation System on Resident Neurological Examination Skills”,

**Association of American Medical Colleges National Meeting, Phoenix, Arizona, November 9, 2019**

8. Silver, Julie, MD, **Cuccurullo, Sara, MD**, Ambrose, Anne Felicia, MD, Bhatnagar, Saurabha, MD, Boques, Glendaliz, MD, **Fleming, Talya, MD**, Frontera, Walter, MD, Ph.D, Perret Karmi, Danielle, MD, Oh-Park, Mooyeon, MD, Sowa, Gwendolyn, MD, Ph.D., Visco, Christopher, MD, Weiss, Lyn, Knowlton, Tiffany, JD, MBA. “Association of Academic Physiologists Women’s Task Force Report” Association of American Medical Colleges National Meeting, Phoenix, Arizona, November 9, 2019

**American Academy of PM&R, San Antonio, Texas, November 2019**

9. **Markos, Steven, MD, Thakral, Aakash, MD, Cuccurullo, Sara, MD, Lin, Lei, MD**, “Reducing Post-Operative Pain and Opioid Consumption through Evidence-based Medicine: An Educational Quality Improvement Project”
10. **Salazar, Thomas, MD, Chan, Stephanie, MD, Greiss, Christine, DO, Cuccurullo, Sara, MD**, “Meningitis after Transsphenoidal Resection of a Pituitary Macroadenoma: A Case Report”,
11. **Liu, Eric, MD, Patel, Shrut, MD, Malone, Richard, DO, Cuccurullo, Sara, MD**, “The Use of IVG and Plasmapheresis in a Patient with Central Pontine Myelinolysis: A Case Report”
12. **Gayed, Mina, MD, Greenwald, Brian, MD**, “Specially Tailored Treatment in a Disorder of Consciousness Post Fourth Ventricle Tumor Resection: A Case Report” and “The Rare Diagnosis of Akinetic Mutism and Its Difficulty in Detection: A Case Report”.
13. **Salazar, Tomas, MD, Ella D’Amico, MD, Beverly Hon, MD**, “An Idiopathic Syringomyelia in a 59 Year Old Man Presenting with Lower Extremity Symptoms; A Case Report.
14. **Salazar, Tomas, MD, Liu, Eric, MD, Valdez, German, MS, Hon, Beverly, MD, Escaldi, Steven, DO**, “Focal Toxin Injection During Inpatient Rehabilitation Facilitated Successful Transition to a Community Setting in a Spinal Cord Injury Patient: A Case Report”.
15. **Salazar, Tomas, MD, Liu, Eric, MD, Lin, Lei, MD**, “The Positive Impact of Residency Program Sponsored Social Events on Resident Wellness”

## Book Chapters

1. **Zorowitz, Richard, MD, Baerga, Edgardo, MD, Cuccurullo, Sara, MD, Fleming, Talya, MD, Chan, Stephanie, MD**, *Stroke*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 1 -49
2. **Elovic, Elie, MD, Baerga, Edgardo, MD, Cuccurullo, Sara, MD, Greiss, Christine, DO, Thomas, Alphonsa, MD, Levine, Jaime, DO, Malone, Richard, DO**, *Traumatic Brain Injury*, PM&R Board Review, Fourth Edition Demos Medical Publishing, NY, NY, 2019 pp. 55 – 96
3. **Nucatola, Thomas, MD, Freeman, Eric, MD, Bagay, Leslie, MD, Doss, Anthony, MD, Brown, David, DO**, *Rheumatology*, PM&R Board Review, Fourth Edition Demos Medical Publishing, NY, NY, 2019, pp. 101 – 145
4. **Brown, David, DO, Freeman, Eric, DO, Cuccurullo, Sara, MD, Parikh, Sagar, MD, Delavaux, Laurent, MD, Maitin, Ian, MD, MBA**, *Musculoskeletal Medicine, Upper Extremities*, PM&R Board Review, Fourth Edition Demos Medical Publishing, NY, NY 2019, pp. 149 - 206
5. **Brown, David, DO, Freeman, Eric, DO, Cuccurullo, Sara, MD, Parikh, Sagar, MD, Maitin, Ian, MD, MBA**, *Musculoskeletal Medicine, Lower Extremities*, PM&R Board Review, Fourth Edition Demos Medical Publishing, NY, NY, 2019, pp. 206 – 275
6. **Freeman, Ted, DO, Freeman, Eric, DO**, *Spine Rehabilitation*, PM&R Board Review, Medical Publishing, NY, NY, 2019, pp. 275 – 330
7. **Freeman, Ted, DO, Johnson, Ernest, MD, Freeman, DO, Brown, David, DO, Lin, Lei, MD, Ph.D.**, *Electrodiagnostic Medicine and Clinical Neuromuscular Physiology*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 331 – 456
8. **Uustal, Heikki, MD, Baerga, Edgardo, MD, Joki, Jaclyn, MD, Bagay, Leslie, MD, Markos, Steven, MD**, *Prosthetics and Orthotics*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 457 – 534
9. **Kirshblum, Steven ,MD, Donovan, Jayne, MD, Nieves, Jeremiah, MD, Gonzalez, Priscila, MD, Cuccurullo, Sara, MD, Luciano, Lisa, DO**, *Spinal Cord Injuries*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 535 – 611
10. **Strax, Thomas, MD, Grabois, Martin, MD, Gonzalez, Priscila, MD, Escaldi, Steven, DO, Takyi, Selorm, MD, Cuccurullo, Sara, MD**, *Physical Modalities, Therapeutic Exercise, Extended Bedrest, and Aging Effects*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 613 – 648
11. **Gonzalez, Priscila, MD, Melillo, Nicholas, MD, MacBruce, Daphne Karen, MD, Cuccurullo, Sara, MD**, *Pulmonary Rehabilitation*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 649 – 674
12. **Jafri, Iqbal, MD, Cuccurullo, Sara, MD, Fleming, Talya, MD, Wong, Joseph, MD**, *Cardiac Rehabilitation*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019 pp. 674 -701
13. **Gonzalez, Priscila, MD, Bagay, Leslie, MD, Luke, Ofure, MD, Dunn, Anna Maria, MD, Schuman, Richard, MD**, *Cancer Rehabilitation*, PM&R Review, Fourth Edition, Demos Publishing, NY, NY, pp. 701 - 727
14. **Rossi, Roger, DO, Alexander, Michael, MD, Eckert, Kathryn, DO, Cuccurullo, Sara, MD**, *Pediatric Rehabilitation*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 729 – 820

15. **Liang, Jing, MD, Lee, Joseph, MD, Parikh, Sagar, MD, Delavaux, Laurent, MD, Weiss, Kyle, DO, Demesmin, Didier, MD**, *Pain Medicine*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 821 – 851
16. **Elovic, Elie, MD, Baerga, Edgardo, MD, Escaldi, Steven, DO, Lin, Matthew, MD**, *Associated Topics in Physical Medicine and Rehabilitation, Spasticity*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 853 - 866,
17. **Elovic, Elie, MD, Baerga, Edgardo, MD, Rossi, Roger, DO, Esterov, Dmitry, MD**, *Movement Disorders*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 866 – 876
18. **Kirshblum, Steven, MD, Luciano, Lisa, DO, Shea, Mary, T., MA, OTR, ATP, Hon, Beverly, MD**, *Wheelchairs*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 877-895
19. **Hoffer Barbara, DO, Cuccurullo, Sara, MD, Urs, Krishna, MD, Schoenlank, Casey, MD, Thakral, Aakash, MD**, *Osteoporosis*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 895 – 909
20. **Young, Alan, DO, Patel, Shrut, MD, Quevedo, Jonathan, MD**, *Rehabilitation of Burn Injuries*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019 pp. 909 – 921
21. **Lee, Joseph, MD, Kalmar, Kathy, Ph.D., Holland, Bart, Ph.D., Platt, Heather, MD**, *Biostatistics*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019, pp. 921 – 925
22. **Tennison, Jegy, MD, Patel, Tejal, MD**, *Basic Principles of Clinical Ethics*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY 2019, pp. 925 – 928
23. **Rosenblum, David, MD**, *Associated Topics in Physical Medicine and Rehabilitation, Multiple Sclerosis*, PM&R Board Review, Fourth Edition, Demos Publishing, NY, NY, 2019, pp. 928 – 938
24. **Van, Dien, Craig, MD, Parikh, Sagar, MD**, *Musculoskeletal Ultrasound*, PM&R Board Review, Fourth Edition, Demos Medical Publishing, NY, NY, 2019 pp. 938 - 948

#### **National Presentations:**

1. **Cuccurullo, Sara, MD**, Association of Academic Physiatrists National Meeting, Women in Academic Medicine, *Task Force Data Update Presentation, Resident Contract Negotiation, Women in Academic Physiatry Workshop Lecture, Women in Academic Physiatry- Salary Negotiation Lecture* San Juan, Puerto Rico, February 20 and 21, 2019
2. **Cuccurullo, Sara, MD**, Association of Academic Physiatrists National Meeting, Board of Trustees Meeting, Part I and II *Women in Academic Physiatry Update, GME Now and in the Future Steering Committee Update* San Juan, Puerto Rico, February 22, 2019
3. **Greenwald, Brian, MD**, Grand Rounds Lecture, *“Chronic Traumatic Encephalopathy” Autonomic Dysfunction after TBI*, *“Agitation after Traumatic Brain Injury”*, Burke Rehabilitation Hospital, White Plains, NY, March 6, 2019
4. **Uustal, Heikki, MD**, Annual Review Course in PM&R- *“Normal and Abnormal Gait”, “Prosthetic Gait Deviations”, “Lower Limb and Spinal Orthotics”, “Lower Limb Amputation and Prosthetics”, “Upper Limb Prosthetics, and Orthotics”*, Kessler Institute of Rehabilitation, Livingston, NJ, March 28, 2019

5. **Uustal Heikki, MD**, NYU PM&R Review Course, “Normal Gait”, Lower Limb Prosthetics”, “Pathological Gait”, “Upper Limb Prosthetics”, Orthotics”, NYU Medical Center, New York, NY, March 18, 2019
6. **Uustal, Heikki, MD** Biomedical Engineering Program, Rutgers University, “Overview of Prosthetics and Orthotics”, Edison, NJ, March 4, 2019
7. **Cuccurullo, Sara, MD**, Mt. Sinai Medical Center, Grand Rounds Lecture “Investigating a Comprehensive Outpatient Stroke Recovery Program Utilizing Cardiovascular Conditioning”, New York, NY, April 2019
8. **Cuccurullo, Sara, MD**, Association of Academic Physiatrists, Board of Directors Meeting, Women in Academic Physiatry Update Washington, DC, September 25-27, 2019
9. **Cuccurullo, Sara, MD**, Association of Academic Physiatrists, Board of Directors Meeting, GME Now and in the Future Steering Committee Update Washington, DC, September 25-27, 2019
10. Silver, Julie, MD, **Cuccurullo, Sara, MD**, Ambrose, Anne Felicia, MD, Bhatnagar, Saurabha, MD, Boques, Glendaliz, MD, **Fleming, Talya, MD**, Frontera, Walter, MD, Ph.D, Perret Karmi, Danielle, MD, Oh-Park, Mooyeon, MD, Sowa, Gwendolyn, MD, Ph.D., Visco, Christopher, MD, Weiss, Lyn, Knowlton, Tiffany, JD, MBA. “Association of Academic Physiatrists Women’s Task Force Report” Association of American Medical Colleges National Meeting, Phoenix, Arizona, November 9, 2019
11. **Cuccurullo, Sara, MD, Fleming, Talya, MD**, Stroke Recovery – An Innovative Model for Health Care Delivery; The JFK Johnson Stroke Heart Trials, Center of Medicare and Medicaid Innovation Center, Baltimore, MD, December 17, 2019

### International

1. **Cuccurullo, Sara, MD, Fleming, Talya, MD** presented at the International Society of PM&R Medicine (ISPRM) 2019 World Congress, in Kobe, Japan  
*Innovations of Care in Rehabilitation of Medically Complex Patients –Impact of a Stroke Recovery Program*

### Awards

1. **Cuccurullo, Sara, MD**, the **Association of Academic Physiatrist, 2018 Outstanding Service Award**, San Juan, Puerto Rico, February 2019
2. **Cuccurullo, Sara, MD**, Association of Physicians of Pakistani Descent of North America (APPNA), Leader in Healthcare Award, April 2019, Fords, NJ
3. **Cicerone, Keith, Ph.D**, Silvio O. Conte Award for Public Awareness and Education, Brain Injury Alliance of New Jersey, Edison, NJ, May 14, 2019
4. **Cuccurullo, Sara, MD**, ROI – NJ Influencers in Healthcare-Leading a State of the Art Program in Stroke Rehabilitation at Johnson Rehabilitation Institute
5. **Cuccurullo, Sara, MD**, Elected Key Note Speaker Award, Medical College of Wisconsin, May 2019
6. **Cuccurullo, Sara, MD**, American Association of PM&R Distinguished Member Award, for providing invaluable service in the specialty of PM&R through participation in PM&R related organizations other than the academy, November 2019
7. **Uustal, Heikki, MD, Rossi, Roger, DO, Jafri, Iqbal, MD** Received the Rutgers-Robert Wood Johnson Volunteer Faculty Award, New Brunswick, NJ, June, 2019

8. **Brown, David, DO**, “Teacher of Year Award”, June 2019
9. **Greiss, Christine, DO**, “Kathy Wong Award” for the physician who exhibits extreme compassion and care to patients and their families, June, 2019