

Columbia University Program in Physical Therapy
2017 Scholarly Report

Peer Reviewed Publications

<p>Chiarello CM. Pregnancy Related Pelvic Girdle Pain and Diastasis Rectus Abdominis, J Woman's Health Phys Ther: 2017;41(1)): 3-9. doi: 10.1097/JWH.0000000000000068</p>
<p>Johnson, Michael R. Rehabilitation Following Surgery for Glenohumeral Instability: A Review Article. Sports Medicine and Arthroscopy Review, 2017; 25 (3).</p>
<p>Mortera, M.H., Kinirons, S.A., Simantov, J., & Klingbeil, H. Long term neurobehavioral symptoms and return to productivity in Operation Enduring Freedom/Operation Iraqi Freedom Veterans with and without traumatic brain injury. Archives of Physical Medicine and Rehabilitation. Epub ahead of print, January 11, 2017</p>
<p>Klepper, S, Krasinski D, Gilb M, Khalil, N. Comparing the efficacy of intensive unilateral and bimanual training in improving upper extremity function in children with unilateral cerebral palsy: a systematic review. 2017 Pediatric Physical Therapy. 29(4):288-306. doi10.1097/PEP.0000000000000438</p>
<p>Finkel, RS, Mercuri, E, Darras, BT, Connolly, AM, Kuntz, NL, Kirschner, J, Chiriboga, CA, Saito, K, Servais, L, Tizzano, E, Topaloglu, H, Tulinius, M, Montes, J, Glanzman, AM, Bishop K, Zhong, ZJ, Gheuens, S, Bennett, CF, Schneider, E, Farwell, W, and De Vivo, DC, for the ENDEAR Study Group* Nusinersen versus Sham Control in Infantile-Onset Spinal Muscular Atrophy. N Engl J Med 2017; 377:1723-1732 November 2, 2017 DOI: 10.1056/NEJMoa1702752.</p>
<p>Bishop KM, Montes J, Finkel RS. Motor Milestone Assessment of Infants with Spinal Muscular Atrophy Using the Hammersmith Infant Neurological Exam - Part 2: Experience from a Nusinersen Clinical Study. Muscle Nerve 2017: May 26. doi: 10.1002/mus.25705. [Epub ahead of print]. PMID: 28556387.</p>
<p>Ramsey D, Scoto M, Mayhew A, Main M, Mazzone M, Montes J, De Sanctis R, Dunaway Young S, Salazar R, Glanzman A, Pasternak A, Quigley J, Mirek E, Duong T, Gee R, Civitello M, Pane M, Pera MC, Bushby K, Day J, Darras BT, De Vivo DC, Finkel F, Mercuri E, Muntoni F. Revised Hammersmith Scale for Spinal Muscular Atrophy: A SMA Specific Clinical Outcome Assessment Tool. PLOS ONE. 17 Feb 21;12(2):e0172346. PMID: 28222119.</p>

Peer Reviewed Publications (continued)
Mamuyac EM, Zanotto D, Rao AK , Agrawal SK, Lalwani AK. Gait disturbance in the elderly. Recent Advances in Otolaryngology- Head and Neck Surgery. 2017. In Press
Fritz NE, Rao AK , Kegelmeyer D, Kloos A, Busse M, Hartel L, Carrier J, Quinn L. Physical Therapy and Exercise Interventions in Huntington's Disease: A Mixed Methods Systematic Review. J Huntingtons Dis. 2017;6(3):217-235. doi: 10.3233/JHD-170260. PubMed PMID: 28968244.
Moskowitz CB, Rao AK . Making a measurable difference in advanced Huntington disease care. Handb Clin Neurol. 2017;144:183-196. doi:10.1016/B978-0-12-801893-4.00016-X. PubMed PMID: 28947117.
Kim GJ, Hinojosa J, Rao AK , Batavia M, O'Dell MW. Randomized Trial on the Effects of Attentional Focus on Motor Training of the Upper Extremity Using Robotics with Individuals after Chronic Stroke. Archives of Physical Medicine and Rehabilitation. 2017. 98(10); 1924-1931.
Busse M, Carrier J, Fritz N, Harden J, Hartel L, Kegelmeyer D, Kloos A, Quinn L, Rao AK . Physical Therapy and exercise interventions in Huntington's disease: A mixed methods systematic review protocol. JBI Database of Systematic Reviews and Implementation Reports. 2017. 15(7);1783-1799.
Wong CK, Wong CK Limb laterality recognition score: a reliable clinical measure related to phantom limb pain. Pain Medicine. Epub 2017 Aug 24. doi: 10.1093/pm/pnx179
Wong CK , Wong RJ. Standard and amputation-adjusted body mass index measures: comparison and relevance to functional measures, weight-related comorbidities, and dieting. American Journal of Physical Medicine Rehabilitation. Epub 2017 July 7. doi: 10.1097/PHM.0000000000000796. PMID: 28692486
Stern J, Wong CK , Yerovinkina M, Spindler SJ, See AS, Panjaki S, Loven SL, D'Andrea Jr. RF, Nowygrod R. A meta-analysis of long-term mortality and associated risk factors following lower extremity amputation. Annals of Vascular Surgery, 2017;42:322-327. doi: 10.1016/j.avsg.2016.12.015. PMID: 28389295
Wong CK , Levine WB, Deo K, Kesting RS, Mercer EA, Schram GA, Strang BL. Natural history of frozen shoulder: fact or fiction? A systematic review. Physiotherapy, 2017;103:40-47. doi: 10.1016/j.physio.2016.05.009. PMID: 27641499

Books and Book Chapters

Lennon S, Bassile CC. Guiding Principles in Neurological Rehabilitation. In Lennon S, Verheyden G, Ramdharry G (Eds): Physical Management for Neurological Conditions. 4th Ed., Elsevier Sciences UK (in press).
Lennon S, Bassile CC. Guiding Principles in Neurological Rehabilitation. In Lennon S, Verheyden G, Ramdharry G (Eds): Neurological Physiotherapy Pocketbook, 2nd Ed. Elsevier Sciences UK (in press).
Rao AK and Shah H. Gait failure. In R. Marshall and S. Mayer (Eds.). On Call Neurology. 4th Edition. Elsevier. St. Louis, MO. 2017. In Press.

Non-Peer Reviewed Publications

Chiarello CM. A new chapter. J Women's Health PhysTher,41(2):65. doi: 10.1097/JWH.0000000000000082
Chiarello CM. Moving forward. J Women's Health PhysTher,41(3):131. doi: 10.1097/JWH.0000000000000087
Montes J, Young S, Mazzone E, Main M, on behalf of the International Spinal Muscular Atrophy Consortium Clinical Evaluator Working Group. First international workshop on rehabilitation management and clinical outcome measures for spinal muscular atrophy. Neuromuscular Disorders. 2017 Jul 12. doi: 10.1016/j.nmd.2017.07.005. PMID: 28917631.
Rao AK. Home safety and fall prevention in Alzheimer's disease. Dominican Medical Association Magazine. 2017. Spring. P.11.
Wong CK. Frozen shoulder: fact or fiction? BodyinMind.org, June 28, 2017. http://www.bodyinmind.org/frozen-shoulder-fact-fiction/ , accessed 06/29/2017.

Conference Presentations

<p>Mavrommatakis Y, Panjaki S, See A, Bassile CC. Music Supported Therapy Enhances Upper Extremity Recovery of Function Following Stroke: A Systematic Review. Combined Sections Meeting APTA February 2018 New Orleans, LA. Poster Abstract Accepted.</p>
<p>Bassile CC, Pfeffer JA, Rao AK, et al. Predicting Post-Acute Hospitalization Discharge Destination in Stroke Population Using 6-clicks. Combined Sections Meeting APTA February 2018 New Orleans, LA. Poster Abstract Accepted.</p>
<p>Ahmed S, Wikfors K, Bassile CC. FAST Track Study for TKR: Factors Influencing Length of Stay and Discharge Destination. Department of Rehabilitation Medicine, Rehabilitation Research Day 2017, Poster Presentation. September 8, 2017.</p>
<p>Brough CM, Janisch J, Sabens V, Wong CK. Is Peer-to-Peer Teamwork an Answer to the Clinical Education Placement Shortage? Poster at New York-Presbyterian Weill Cornell Medical Center Rehabilitation Research Day 09/2017.</p>
<p>Abercrombie e, Schlein C, Tinter H, Proctor R, Visco C, Chiarello CM. A Comparison of Abdominal Muscle Thickness in Unloaded and Loaded Positions in Normal Adults. APTA</p>
<p>Fu, W. Using a structured and evidence-based approach to remediate clinical reasoning: a case study. Poster, Clinical Reasoning Symposium, APTA Education Section, Omaha, Neb. 07/2017.</p>
<p>Montes, J. Irving Center for Clinical and Translational Research, Columbia University Medical Center, Study Section Member, 2017-2020</p>
<p>Rao AK, and Marder KS. Influence of cognitive and motor dual tasks on gait in prodromal and manifest Huntington's disease. Poster presentation at International Huntington Study Group Meeting. Denver CO. November 2017.</p>
<p>Fritz NE, Rao AK, Kegelmeyer DA, Kloos AD, Busse M, Hartel L, Carrier J, Quinn L. Physical therapy and exercise interventions in Huntington's disease: a mixed methods systematic review. Poster presentation at International Huntington Study Group Meeting. Denver CO. November 2017.</p>
<p>Pociuncula F, Marder KS, Quinn L, Wasserman P, Rao AK. Sensory modulation of postural control in Huntington's Disease. Poster presentation at International Congress of Parkinson's Disease and Movement Disorders. Vanouver, CA. June 2017</p>

Conference Presentations (continued)
Mueller C, Stahl A, Zoeller A, Goldman S, Montes J, Young S, Abbruzzese LD, Rao AK . Gait and Functional Capacity in Children with Known Genetic Neurodevelopmental Disorders. Poster presentation, Combined Sections Meeting. APTA. February 2017.
Sliwinski, M. , Akselrad, G. AllaV, Buan V, Kammerlen E. The effect of a community exercise program on functional reach and quality of life in community dwelling individuals with spinal cord injuries. Poster presented at Scientific Meeting ASIA, Albuquerque, NM, 02/2017.
Sliwinski M , Axselrad G, Alla V, Buan V, Kaemmerlen E. The effect of a community exercise program on functional reach and quality of life in community dwelling individuals with spinal cord injuries. Poster presented at Combined Sections Meeting APTA San Antonio, TX, 02/2017.
Timmerberg JF , Said R, Salituro A, Hassebrock-Shanley L, Pleus M, Roach S, Lynch TS, Ahmad C. Hip Range of Motion in Adolescent Baseball Pitchers: A Comparison between Stance and Stride Leg as well as the Impact Patient Position has on Rotational Motion Assessed. Poster presented at CSM, APTA, 02/2017.
Timmerberg JF . Evolution of Hip Range of Motion in Adolescent Baseball Pitchers. Oral Presentation provided at New York Presbyterian Weill Cornell Medical Center Rehabilitation Research Day, September 2017.
Soper, S, Timmerberg JF , McCallum C, Erickson M. Clinical Education Summit Strategic Initiatives: Open Forum. Educational Session presented at the Educational Leadership Conference, Cleveland, Ohio, APTA, 10/2017.
Wong CK , Wong RJ. Standard and amputation-adjusted body mass index measures: comparison and relevance to functional measures, weight-related comorbidities, and dieting. Poster presented at Annual APTA NEXT conference, Boston 06/2017.
Wong CK , Wong CK. Left-right limb recognition ability in people with limb loss: a clinical measure for phantom limb pain. Poster presented at Annual APTA NEXT conference, Boston 06/2017. (Abstract Special Recognition award)
Wong CK , Chihuri S. Predicting fall-related injury among people with lower limb loss living in the community: external validation of a preliminary predictive model using a multistate population. Platform presented at International Society Prosthetics Orthotics World Congress, South Africa 05/2017.
Wong CK , Strang B, Schram G, Mercer E, Kesting RS, Deo K. A pragmatic inter-regional dependence approach to frozen shoulder: a case series. Poster presented at APTA CSM, San Antonio 02/2017.

Conference Presentations (continued)
Wong CK , D'Andrea R, Loven S, Panjaki S, See A, Spindler S, Yerovinkina M, Nowygrod R. The risk of subsequent amputation and mortality following an initial lower extremity amputation: a systematic review. Poster presented at APTA CSM, San Antonio 02/2017.
Brough C , Janisch J, Sabens V, Wong CK . Is Peer-to-Peer Teamwork an Answer to the Clinical Education Placement Shortage? Poster presented at CSM, APTA San Antonio 02/2017.

Published Abstracts

Glanzman A, Mazzone E, Young SD, Gee R, Rose K, Mayhew A, Yun C, Alexander K, Tennekoon G, Day J, Finkel R, Mercuri E, De Vivo DC, Bennett F, Bishop K, Montes J . Reliability of functional outcome measures in spinal muscular atrophy: Results from multi-centered, global, phase 3 clinical trials. Platform Presentation: 69th Annual American Academy of Neurology Meeting. Boston, MA, April, 2017.
Mueller C, Stahl A, Zoeller A, Goldman S, Montes J , Dunaway Young S, Daniels-Abbruzzese L , Rao AK . Gait Assessment in Children with Known Genetic Neurodevelopmental Disorders. Poster Presentation: APTA Combined Sections Meeting. February 15-18, 2017. San Antonio, TX.
Rao AK , and Marder KS. Influence of cognitive and motor dual tasks on gait in prodromal and manifest Huntington's disease. Neurotherapeutics. 2017. In Press.
Fritz NE, Rao AK , Kegelmeyer DA, Kloos AD, Busse M, Hartel L, Carrier J, Quinn L. Physical therapy and exercise interventions in Huntington's disease: a mixed methods systematic review. Neurotherapeutics. 2017. In Press.
Mueller C, Stahl A, Zoeller A, Goldman S, Montes J , Young S, Abbruzzese LD , Rao AK . Gait and Functional Capacity in Children with Known Genetic Neurodevelopmental Disorders. Combined Sections Meeting Abstracts. APTA. February 2017.
Wong CK , Chihuri S. Predicting fall-related injury among people with lower limb loss living in the community: external validation of a preliminary predictive model using a multistate population. International Society Prosthetics Orthotics 16th World Congress Abstract Book, 2017: 38-9. (Note: abstract listed above as a presentation)

Invited Publications

Montes J and Garber CE, Benefits of exercise therapy in Charcot-Marie-Tooth disease. The Lancet Child & Adolescent Health. July 26, 2017, epub ahead of print. [http://www.thelancet.com/journals/lanchi/article/PIIS2352-4642\(17\)30037-8/fulltext](http://www.thelancet.com/journals/lanchi/article/PIIS2352-4642(17)30037-8/fulltext)

Wong CK. Frozen shoulder: fact or fiction? BodyinMind.org, June 28, 2017. <http://www.bodyinmind.org/frozen-shoulder-fact-fiction/>, accessed 06/29/2017.
(Note: abstract listed above as a non-peer reviewed publication)

Invited Presentations

Brough C. Gaining That Extra Edge: What Can Running Analysis Do for You? The Science of Running: How to Optimize Performance and Stay Healthy. Columbia Doctors Sports Medicine, New York-Presbyterian Medical Center, Live Webinar, September 5, 2017.

Abercrombie E, Schleien C, **Chiarello CM**, Visco C, a comparison of abdominal muscle thickness in unloaded and loaded positions in normal adults. New York – Presbyterian/Columbia/Cornell Rehabilitation Research Day. September 8, 2017

Montes, J. Invited Speaker: Observations of Fatigue and Endurance in Spinal Muscular Atrophy. 21st Annual Cure SMA Researcher Meeting. Orlando, Florida, June 2017.

Rao AK. Physical activity, Falls and Home Safety in Alzheimer’s Disease. Invited Presentation at the Fifteenth Medical Symposium on Alzheimer’s Disease and Other Dementias. Dominican Medical Association of New York. April 2017.

Rao AK. Physical activity, Falls and Home Safety in Alzheimer’s Disease. Invited Presentation at the Allen Church of Greater New York. August 2017.

Rao AK. Physical activity, Falls and Home Safety in Alzheimer’s Disease. Invited presentation at symposium on Neurodegenerative Diseases: Collaborative Team Based Approaches to Alzheimer’s Treatment and Dementia Care. 1199 Health and Hospital Workers Union. August 2017.

Rao AK. Physical activity, Falls and Home Safety in Alzheimer’s Disease. Invited presentation to caregivers of Dementia patients at Parkchester Library, Bronx. August 2017.

Rao AK. Physical activity and exercise in Alzheimer’s Disease. Invited presentation to Rehabilitation therapists, New York Presbyterian Hospital. October 2017.

Invited Presentations (continued)
Stewart, M. Leveraging Physical Therapy Services to Improve Your Patient Outcomes: Discussion & Hands-On Workshop. Columbia University Medical School Mechanisms & Practice Seminar. Columbia University College of Physicians & Surgeons, New York, NY. April 4, 2017; September 25, 2017.

Committee Assignments-National

Fu, W. , American Physical Therapy Association Education Section Research Committee
Montes, J. 6/2015 – present. 218th ENMC International Workshop: Naarden, Netherlands. Revisiting the Consensus Statement of Care in SMA Physical Therapy and Rehabilitation, Working Group Co-Leader
Montes, J. Irving Center for Clinical and Translational Research, Columbia University Medical Center, Study Section Member, 2017-2020
Rao AK. Executive Committee Member. Health Professional Special Interest Group. International Parkinson and Movement Disorder Society.
Rao AK. Member, Task Force for Development Clinical Guidelines for Physical Therapy in Huntington’s disease. European Huntington Disease Network and Huntington Study Group.
Timmerberg JF. American Council of Academic Physical Therapy Chair Strategic Initiative Panel – Student Readiness.

Committee Assignments-State

Sliwinski, M. , House of Delegates, American Physical Therapy Association, New Jersey Delegate

Committee Assignments-Local

Sliwinski, M. , ICS Sci Advisory Committee
L. Stewart , Curriculum Committee, Rocky Mountain University of Health Professions, Provo, Utah

Honors or Awards

None

Manuscript Reviewer

C. Chiarello, JOSPT – 2 Reviews
C. Chiarello, Musculoskeletal Science and Practice – 2 reviews
C. Chiarello, PTJ – 1 Review
C. Chiarello, JWHPT – as Editor-in-Chief – Approximately 35 reviews
Johnson, MR. American Journal of Sports medicine, Journal of Orthopedic and Sports Physical Therapy
Montes, J. Ad hoc Reviewer, Muscle and Nerve Journal
Montes, J. Ad hoc Reviewer, Neuromuscular Disorders Journal
Montes, J. Ad hoc Reviewer, Lancet Neurology
Montes, J. Ad hoc Reviewer, Lancet Child and Adolescent Health
Montes, J. SMA Europe – AFM Telethon, Grant Reviewer
Rao AK. 2017: Neurorehabilitation and Neural Repair, Gait and Posture, Movement Disorders, Tremor and Other Hyperkinetic Movements, PLoS One
Timmerberg JF. Journal of Physical Therapy Education, International Journal of Sports Physical Therapy
Wong, CK Manuscript Reviewer/Editorial (2017 only)
Prosthetics Orthotics International (Associate Editor) x3
Injury Epidemiology x1
Physiotherapy Canada x1
Disability Rehabilitation x2
Archives of Physical Medicine Rehabilitation x2
American Journal of Physical Medicine and Rehabilitation x1
Journal of Physical Therapy Education x1
Journal of Prosthetics Orthotics x1

Social Media

Transforming the Journal of Women's Health Physical Therapy: Reflections from New Editor in Chief **Cynthia Chiarello** (Part I). Posted on June 27, 2017

Part 2 Posted on July 25, 2017

<http://www.womenshealthapta.org/blog/transforming-the-journal-of-womens-health-physical-therapy-reflections-from-new-editor-in-chief-cynthia-chiarello-part-1-2/>

Stewart, M. Interviewed for Bronx Media Lab at M.S. 244. Is your child's backpack too heavy? May 3, 2017. Accessed at <https://citylimits.org/2017/05/03/video-is-your-childs-backpack-too-heavy/>

Wong, C.K. Interviewed for and research reviewed in: Hand L. Stepping up: orthotic devices help patients boost physical activity levels. Lower Extremity Review, 5/1/2017. http://lermagazine.com/cover_story/stepping-up-orthotic-devices-help-patients-boost-physical-activity-levels, accessed on 06/18/17.

Grants and Contracts

Funded Grants

<p>Bassile CC. Irving Institute for Clinical and Translational Research - Pilot Grant Opportunity in Community Based Participatory Research: Identifying the barriers to mental health intervention in the homebound older adult. Community Partner - Deborah Katznelson MSW of YW/YMHA of Washington Heights. \$40,000 (10% effort) NIH: UL1TR000040 Co-Principal Investigator 12/31/2015-06/30/2017.</p>
<p>Montes J. National Institute of Child Health and Development (NICHD) 1K01HD84690-01A1, Evaluation of Oxidative Capacity and Exercise Tolerance in Ambulatory Patients with Spinal Muscular Atrophy. Role: Principal Investigator, \$650,670.00. 2016 – 2021.</p>
<p>Montes, J. Biogen MA Inc. Investigator Initiated Trial: Characterizing Gait and Fatigue Using Instrumented Footwear in Patients with Spinal Muscular Atrophy. \$356,791.97. Role: Principal Investigator. 2017 – 2019.</p>
<p>Montes, J. Irving Center for Clinical and Translational Research, Integrating Special Populations Award Factors underlying higher energy expenditure and weight loss in Huntington's disease. Role: Co-Investigator. \$1,600.00. 2017 – 2018.</p>
<p>Montes, J. Muscular Dystrophy Association, Conference Grant. Spinal Muscular Atrophy: Evaluation and Management for the Rehabilitation Specialist. \$10,000.00. Role: Principal Investigator. October 2017.</p>
<p>Rao AK. Factors underlying higher energy expenditure and weight loss in Huntington's disease. \$40,000 (9% effort). National Center for Advancing Translational Sciences (NIH) Pilot Award. Principal Investigator. 2017-18.</p>
<p>Rao AK. Center of Excellence in Alzheimer's Disease. \$2,193,335- 5% effort. New York State Department of Health. Co-Investigator. 2016-2020</p>
<p>Rao AK. A phase 2, Dose-Finding, Randomized, Parallel-Group, Double-Blind, Placebo-Controlled Study, Evaluating the safety and efficiency of Pridopidine 67.5 mg, 90mg, and 112.5mg twice-daily versus Placebo for symptomatic treatment in patients with Huntington's disease, \$23,000 per patient, Teva Pharmaceutical Products, Inc. Co-Investigator. 2014-2017</p>

Funded Grants (continued)
Rao AK. A multinational, randomized, double-blind, placebo-controlled, parallel-group study to evaluate the efficacy and safety of laquinimod (0.5, 1.0, and 1.5 mg/day) as treatment in patients with Huntington's Disease. \$20,242 per patient. Teva Pharmaceutical Products, Inc. Co-Investigator. 2015-2018
Rao AK. A Phase 2, multi-center, randomized, double-blind, placebo controlled study in subjects with late prodromal and early manifest Huntington's disease (HD) to assess the safety, tolerability, pharmacokinetics, and efficacy of VX15/2503 Vaccinex, Inc. Co-Investigator. 2015-2018
Rao AK. A study to identify kinematic and force measures capturing impairment in musician's dystonia among string players and improvement with retraining therapy. \$26500 (5% effort). Dystonia Medical Research Foundation. Co-Investigator/Mentor. 2017-18.
Rao AK. Gait and Motor Symptoms in Healthy Asymptomatic Relatives of Patients with PD Who Are Carriers of Mutations in the LRRK2 Gene No salary support. Michael J. Fox Foundation. Co-investigator. 2016-2018.
Rao AK. Adaptive design, controlled study assessing resting state neuronal networks in pre-manifest/manifest HD gene expansion carriers using [18F] Fluorodeoxyglucose positron emission tomography (FDG PET) and arterial spin label magnetic resonance imaging (ASL MRI). \$21,000 (15% effort). Cure Huntington's Disease Initiative. Co-Investigator. 2015-2017

In Review Grant Activity

Rao AK. Effect of single event multi-level hemoneurolysis Botulinum toxin A and alcohol injections on energy expenditure and walking efficiency in Cerebral Palsy. 10% effort. Ipsen Biopharmaceuticals. Co-Investigator. 2018-2019
Rao AK. A Novel Wearable System for Vestibular Assessment, Monitoring, and Rehabilitation. 8% effort. Department of Defense Medical Research Program. Co-Investigator. 2018-2022

Non-funded Grants

Rao AK. Gait variability and energy expenditure in prodromal Huntington Disease, \$1,633,317, National Institute of Health. 2017-2020. Principal Investigator
Wong CK. Impact of physical therapy and personalized injury prevention education on balance and gait, physical activity, and secondary health deficits in people with lower limb loss. Requested support from Department of Defense, Orthotics & Prosthetics Outcomes Research Program, W81XWH-16-OPORP-OPORA, Level 3: \$1.6 million over 3 years. Role: Principal investigator. 2017-2020

Continuing Education Conducted

Brough, C. & Stewart, M. Continuing Education Course Co-Instructors, What's Your Color: Personalities, Learning Styles & Successful Clinical Education Outcomes. New York New Jersey Clinical Education Consortium, Leading The Way: Tools for Creating Successful Clinical Experiences. NYU Langone Medical Center. April 25, 2017.
Kinirons, S.A. Musculoskeletal Gross Anatomy Review. State University of New York, Stony Brook, School of Medicine, Physical Medicine and Rehabilitation Residency Program, Northport, NY. Spring 2017
Kinirons, S.A. Musculoskeletal Gross Anatomy Review. Columbia University, College of Physicians and Surgeons, Department of Rehabilitation and Regenerative Medicine, Residency Program in Physical Medicine and Rehabilitation, New York, NY. Fall 2017
Montes, J. Columbia University Medical Center, New York, NY. Spinal Muscular Atrophy: Evaluation and Management for the Rehabilitation Specialist. Co-Director. October 20-21, 2017.
Rao AK. Course Director. Huntington's Disease Caregiver Education Day. Education session for Huntington's Disease Society of America. Sponsored by HDSA and Teva Pharmaceuticals. Columbia University, New York. October 28, 2017