

Aileen Chou

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- Education:** **University of Pittsburgh** Anticipated May 2023
Doctor of Philosophy, Rehabilitation Science
- Columbia University, College of Physicians & Surgeons** May 2014
Doctor of Physical Therapy, Advanced Orthopedic Track
- Stony Brook University** May 2006
Bachelor of Science in Psychology, China Studies Minor, Summa Cum Laude
- Publications:** Association Between Use of Rehabilitation in the Acute Care Hospital after Stroke and Hospital Readmission. *Archives of Physical Medicine and Rehabilitation*. In press.
- Variation in Acute Care Rehabilitation and 30-Day Hospital Readmission or Mortality in Adult Patients With Pneumonia. *JAMA Network Open*, 3(9), e2012979-e2012979.
- Systematic review of the effects of exercise on activities of daily living in people with Alzheimer's disease. *Am J Occup Ther*. 2014;68(1):50-6.
- Presentations:** Therapists' discharge recommendations and hospital readmissions in patients with Congestive Heart Failure. Platform presented at the Acute Care Section APTA CSM, Virtual (February, 2021)
- Use of Acute Care Therapy and Risk of Hospital Readmission for Patients with Pneumonia. Platform presented at the Health Policy & Administration APTA CSM, Denver, CO (February, 2020).
- Resolution of Dyspnea and Elevated Hemidiaphragm after Transcutaneous Electrical Stimulation and Manual Therapy in a Cervical Spinal Cord Injured Patient. Poster presented at the American Congress of Rehabilitation Medicine, Chicago, IL (November, 2016) and Neurology APTA CSM, San Antonio, TX (February, 2017).
- Do No Harm: Is High Intensity Exercise Beneficial for Treatment of Neuromyelitis Optica? Poster presented at the American Congress of Rehabilitation Medicine, Chicago, IL (November, 2016) and Neurology APTA CSM, San Antonio, TX (February, 2017).
- Physical Therapy for Common Musculoskeletal Complaints in the Sports Medicine Clinic: Part I and II. Presented at The Rusk Rehabilitation Initiative in Sports Medicine Education New York University, NY (November and December 2016).
- Systematic Review of the Effects of Exercise on Activities of Daily Living in People with Alzheimer's Disease. Poster presented at the Neurology APTA CSM, Las Vegas, NV (February, 2014).
- Role of cognition in balance confidence and falls in Essential Tremor patients. Presented at Research Day Columbia University, NY, NY (November, 2013).
- Towards a quantitative framework for sudden-insight problem solving and the feeling of 'Aha!'. Poster presented at Dynamical Neuroscience Symposium, Washington, DC (November, 2008).
- Others are good, but I'm better: Implicit self/other evaluations, goal-achievement confidence, and perceived invulnerability to risks. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, Memphis, TN (February, 2007)
- Motivation generated through action: Ignoring a stimulus facilitates avoidance-oriented responses to it. Paper presented at the 18th Annual Meeting of the American Psychological Society, New York, NY (May, 2006)
- A joint-target task as a measure of affective association. Senior honors thesis presented at the 5th Annual Meeting of Undergraduate Research and Creative Activity, Stony Brook, NY (April, 2006)
- Reviewer:** JAMA Open 2021-current
PM&R Journal 2018-current
Grants proposals for The Swartz Foundation for Computational Neuroscience 2006-2016
- Research Experience:** **University of Pittsburgh** Pittsburgh, PA
Research Assistant Jan 2019 to current
- Secondary data analysis on patient centered outcomes and health service use within acute and subacute care settings
 - Synthesized stakeholder input for pragmatic trials
 - Analyzed large national datasets with grant support from National Institute on Disability, Independent Living, and Rehabilitation Research
- The Swartz Foundation for Computational Neuroscience** Stony Brook, NY
Research/Administrative Assistant/Consultant May 2006 to 2016
- Main liaison to founder CEO of a Fortune 500 company and Chairman to senior scientists
 - Grant review from 11 centers

Clinical Experience: **UPMC Mercy** Pittsburgh, PA
Physical Therapist: Inpatient Rehabilitation and Acute Care Float
 Sept 2018 to Feb 2020

- Evaluate, treat, develop plan of care for patients on multiple specialty units: Brain Injury, Spinal Cord, Stroke, General Rehabilitation and Acute Care

Athletico Physical Therapy Chicago, IL
Physical Therapist: Outpatient Care
 Apr 2018 to July 2018

- Evaluate, treat, develop plan of care
- Various patient populations: return to sport, geriatric, neurological, post orthopedic surgery, pediatric
- Gait/Running and throwing analysis for athletes

Northwestern Memorial Hospital Chicago, IL
Physical Therapist: Medicine and Orthopedic- Acute Care
 Jun 2017 to Mar 2018

- Developing plan of care for medically complex patients
- Coordinating with interdisciplinary team members (MD, RN, SW, OT) to provide best patient experience
- Collaborating with MD resident education to improve workflow

NYU Hospital for Joint Disease New York, NY
Senior Physical Therapist: Inpatient Rehabilitation and Acute Care
 Jul 2014 to Jun 2017

- Co-investigator in IRB approved retrospective analysis: Stroke and Family Education
- Directed performance improvement projects on improving therapy tolerance in patients with total knee arthroplasties on post-operative day 0
- Mentored therapists in abstract submission and presentations at national conferences
- Presented at interdisciplinary meetings in Rehabilitation Medicine resident education
- Primary interdisciplinary team liaison for staff of 14 therapists
- Streamlining daily processes resulting in increased productivity
- Familiar with body support gait training devices (ZeroG, LiteGait), functional electrical stimulation devices (Bioness L300 Plus, MOTomed, RT300 FES ergometry) and balance training with Balance Master

Teaching Experience: **Neuromuscular Physical Therapy I-II**
Patient Management
 University of Pittsburgh, September 2018-Current
Management of the Adult with Neurological Conditions
 Columbia University, January 2016-May 2016
Clinical Case Management: Reflective Case Presentation and Peer Review
 Columbia University, December 2014 and 2015
Research I: Cochrane Systematic Review's RevMan 5 Tutorial
 Columbia University, December 2013

Awards & Memberships: 2021 – current AHA 2007: Society for Neuroscience
 2020 – Best Platform Presentation, Health Policy 2006: Phi Beta Kappa Academic Honor Society
 2011 – current: APTA, Neurology, HPA 2006: Fulbright Fellow Alternate
 2011-14: Columbia Merit Scholarship 2005: Hu & Seifman China Minor Scholarship

Technical Skills: Familiar with quantitative gait analysis (GAITRite, Mobility Lab accelerometer). Knowledgeable with statistical analysis programs: STATA, SPSS, SAS, R and computer programming: MATLAB, Inquisit. Proficient in EPIC and Cerner documentation system and website development (HTML, CSS).

Certifications: Neuro-Ifrah Treatment and Management of Adults with Hemiplegia from a Stroke or Brain Injury
 LSVT BIG for patients with Parkinson's Disease
 Credentialed Clinical Instructor Level I
 Certified Brain Injury Specialist - Academy of Certified Brain Injury Specialists

Languages: Fluent in Chinese: Mandarin & Cantonese
 Familiar with Medical Spanish