Curriculum Vitae

Rachel Reoli, PT, DPT, NCS, PhD

Assistant Professor, Department of Physical Therapy and Rehabilitation Science, University of Maryland School of Medicine

**Date** July 1st, 2024.

**Contact Information**

Business Address: Department of Physical Therapy and Rehabilitation Science

University of Maryland School of Medicine

100 Penn Street, AHRB, Suite 115

Baltimore, MD 21201

Business Phone Number: (410) 706-7165

Email: rreoli@som.umaryland.edu

**Education**

2002-2006 B.S., Neuroscience, B.S., Psychology, Allegheny College

2006-2008 Continuing Education, Montgomery College

2012-2015 DPT, The George Washington University

2017-2022 PhD, The University of Maryland School of Medicine- Thesis Advisors: Dr Amy Bastian and Dr Jill Whitall.

**Post Graduate Education and Training**

2015-2016 Residency, Neurologic Physical Therapy, Johns Hopkins Hospital and University of Delaware

**Certifications**

2010-present CPR & AED, American Heart Association

2012-2016 CITI Collaborative IRB Training Initiative, The George Washington University

2016 ABPT, Residency and Fellowship Education Credentialed Residency Graduate

2016-present APTA Credentialed Clinical Instructor

2016-present CITI Collaborative IRB Training Initiative, The Johns Hopkins Hospital

2016-2018 InStep, American Spinal Injury Association

2018-2012 Certified Dementia Practitioner, CDP

2017 American Board of Physical Therapy, Neurologic Certified Specialist

**Medical Licensures**

2015-2017 Inactive, Delaware

2015-2019 Inactive, Washington DC

2015-2019 Inactive, Virginia

2015-present Active, Maryland

**Employment History**

**Academic Appointments**

2017-2019 Physical Therapist II, The Johns Hopkins Hospital

2018-2019 Clinical Instructor, DPT, The Johns Hopkins Hospital

2019-2022 Neurology Team Coordinator, The Johns Hopkins Hospital

2022-2024 Clinical Resource Analyst, The Johns Hopkins Hospital

2022-2024 Assistant Professor, Physical Medicine, and Rehabilitation, JHU

2024-present Assistant Professor, Physical Therapy and Rehabilitation Sciences, UMB

**Professional Society Membership**

2012-2022: APTA Neuro Section Member

2012-2016: APTA DC Chapter

2012-present: American Physical Therapy Association

2012-present: APTA MD Chapter

**Honors And Awards**

2002-2006 Trustee’s Award Scholarship, Allegheny College

2006 Allegheny College Alden Scholar for High Academic Achievement, Allegheny College

2006 Guy Emerson Buckingham Scholar Award in Psychology, Allegheny College

2009 Distinguished Performance Award, Kelly Services, NIH

2013 Excellence Award, The George Washington University DPT Program

2014 Scholarship, Johns Hopkins Critical Care Rehabilitation Conference

2017 1st Place Award, Regional Fall Conference and Student Conclave Sponsored by MD & DC Chapters. How do you rehabilitate balance when vision, sensation and vestibular systems are impaired? A case study. Wood J & Reoli R

2017 1st Place Award, Johns Hopkins Clinical Research Expo. How do you rehabilitate balance when vision, sensation and vestibular systems are impaired? A case study. Wood J & Reoli R

2018 Professional Development Program, Tier III, JHH.

2019 Professional Development Program, Tier I, JHH

2024 Wadsworth Award, University of Maryland Physical Therapy and Rehabilitation Science Program

**Clinical Activities**

**Clinical Expertise**

Board certified neurologic physical therapist.

Clinical Resource Analyst. Clinical and research focus in the areas of neurology, pediatrics, inpatient rehabilitation, and psychiatric occupational therapy.

During each aspect of my career, I have made it my priority to contribute to science and education. I initially pursued my interest in benchwork neuroscience at the National Institutes of Health (NIH). While at NIH, a friend suffered a spinal cord injury. Through her rehabilitation, I witnessed the role physical therapy plays in recovery. This motivated me to pursue my Physical Therapy Doctorate, a career that translates research into clinical practice. I continued my education by obtaining a Neurologic Specialty and a PhD in Rehabilitation Science. As a core faculty member, I am now able to share my clinical skills to impact a broader audience.

**Scope of Clinical Practice:**

2017-2019 Inpatient Rehabilitation

~180 patients per year

Physical Therapist II

100% FTE

2019-2022 Acute Care Neurology

~100 patients per year

100% FTE (50% administration, 50% clinical care)

2022-2024 Clinical Resource Analyst

~75 patients per year

100% FTE (25% patient care, 75% QI/research)

**Development of Clinical Programs:**

2018-2022: Sheikh Khalifa Stroke Institute, planning committee, creator and presenter of educational content.

2021: Jeddah Park Rehabilitation Institute, planning committee, presented inpatient rehabilitation model.

2022-2024: Pediatric Delivery of Care Development, creator and implementor, JHH

2022-2024: In-Room Independence Scale, JHH Inpatient Rehabilitation Facility

2022-2024: Metric Development for the JHH Quality Improvement Team: ACS, CIIRP, psychologic occupational therapy, pediatrics

**Administrative Service**

**Institutional Service**

2017-2024 JHH Neurologic Residency Mentor

2019-2022 Interviewer, JHH PM&R Interview Committee

2022-2024 Research Help Member, JHH PM&R

2022-2024 Quality Improvement Member, in-patient rehabilitation, JHH PM&R

2022-2024 Quality Improvement Member, psychiatric OT & pediatrics, JHH PM&R

2024-present Curriculum Creation Committee, UMB

2024-present UMSOM Faculty Senate, UMB

**Local and National Service**

**National Service**

2012-present Member, American Physical Therapy Association

2023-present Article Reviewer, F1000 Research (1x/year)

2024-present Article Reviewer, Journal of Gerontology (1x/year)

**Local Service**

2012: Nation’s Triathlon to Benefit the Leukemia & Lymphoma Society, Washington DC.

2012: Best Buddies Challenge Washington Monument 5k, Washington DC.

2012: Commitment to the Community Day: Kid’s Against Hunger & Operation Smile, Washington DC.

2013: DC Falls Coalition Prevention Day, Congress Heights, Washington DC.

2013: Capitol Hill United Church Food Drive, Washington DC.

2013: Challenger’s Baseball, Arlington VA.

2013: PAHO World Health Day 3k Walk for Hypertension Awareness, Washington DC.

2013: Cherry Blossom 10 miler, Washington DC.

2014: GWU Multiple Sclerosis PT Study, Washington DC.

2014: The Jackson Clinics 5k, Springfield VA.

2014: Cherry Blossom 10 miler, Washington DC.

2015: World Stroke Day Community Outreach, Baltimore MD.

2015: Columbia Turkey Chase, Columbia MD.

2015: Cherry Blossom 10 miler, Washington DC.

2016: Cherry Blossom 10 miler, Washington DC.

2017: Hackerman House Dinner, Johns Hopkins Hospital, Baltimore MD.

2017: Cherry Blossom 10 miler, Washington DC.

2018: Cherry Blossom 10 miler, Washington DC.

2023: Filbert Street Garden Volunteer, Baltimore MD.

2023: Brain Injury Awareness, Scarecrow Run, Sykesville MD.

2023: AOTA, Therapy Recruiter, Baltimore MD.

2018-present: APTA Continuing Education Committee, Baltimore MD.

**Teaching Service**

**Undergraduate Student Teaching**

2004-2006: Teaching Assistant, Laboratory of Neurophysiology, Allegheny College, 25 undergraduate students, 6 contact hours/week.

**Post-Graduate Teaching**

Doctor of Physical Therapy Teaching

2015: Neuroscience, DPT students, 3 contact hours/week/semester, 2 semesters

2016: Grand Rounds, DPT students, 3 contact hours.

2017-2020: Research Seminar, DPT students, 1 contact hour/semester, 6 semesters.

2019: Cerebellar Lecture, Fall 2019. NM2 DPT students, 2 contact hours.

2019: Foot and Ankle, MSK DPT students, 2 contact hours.

2019: Hip, MSK DPT students, 3 contact hours.

2020: Cerebellar Exam, NM1 DPT students, 3 contact hours.

2021: Pediatric Traumatic Brain Injury. NM2 DPT students, 2 contact hours.

2021: Vestibular Exam, NM1 DPT students, three contact hours.

2024: Neuromuscular 2, 45 contact hours.

Medical Resident Teaching

2023: Guest Lecturer, Motor Learning, 2nd year medical students, 1-2 contact hours/year

Resident and Fellow Teaching

Neurologic Physical Therapy Residents: 1 year rotation, 3 hours/week/year contact time.

2017: Meredith Drake, DPT NCS, Level II JHH Outpatient DPT.

2017: Jonathan Wood, DPT NCS, PhD Candidate at University of Delaware.

2018: Rachael Arabian, DPT NCS, Vestibular DPT, Advent Health Celebration.

2018: Julia Falkenklous, DPT NCS, Level II Acute Care JHH Stroke DPT.

2019: Nicole Biltz, DPT NCS, Assistant Professor, Western U Northwest.

2019: Megan Ziegler DPT NCS, DPT University of Delaware.

2020: Marielle Handley DPT NCS, DPT, New York.

2020: Casey Houlihan DPT NCS, DPT Marquette University PT Clinic.

2021: Coco Vigilar DPT, NCS, DPT, University of Southern California.

2022: Chris Fulcher DPT, University of Florida.

2023: Mariah Callas DPT, current JHH resident.

Other Post-Graduate Teaching

2014: Community Outreach: Senior Fitness Model, 50 Physical and Occupational Therapists, 1 contact hour, Bayview JHH.

2014: Persistent Pain, 10 Physical Therapists, 1 contact hour, Jackson Clinics.

2016: Early Mobility After Stroke, 20 Physical and Occupational Therapists, 1 contact hour, ACS, JHH.

2016: DPT Clinical Instructor, 2 graduate students, 6 hours/week. University of Delaware, STAR Campus, Newark DE

2017: Stroke Competency for Multi-Disciplinary Teams, 50 CIIRP staff, 2 contact hours, JHH.

2017: ARAT Competency, 20 Physical and Occupational Therapists, 1 contact hour, JHH.

2017: Lessons in Interdisciplinary Communication, Daniels Class, University of Notre Dame, 50 students, 3 hours/year.

2017-2018: DPT Clinical Instructor, 1 graduate student, 8 hours/day, 12 weeks. JHH

2018: JHH, Persistent Pain, 20 Physical Therapists and Occupational Therapists, 1 contact hour, JHH.

2023: Pediatric Coma Stimulation, Virtually Lead, APTA of MD, 2 contact hours.

##### Grant Support

###### Active Grants:

###### NA

**Completed Grants:**

NA

**Publications**

**Peer-reviewed journal articles**

1. Lenker H & **Reoli R.** Rehabilitation frequency for pediatric patients with burns: a

scoping review. *Accepted Clinical Pediatrics 2024.*

2. **Reoli R,** Wilkins E, Klag J, Hoyer E, Lavezza A. How safe is your patient to mobilize:

the John Hopkins Hospital In-room Independence Scale (IRIS). Am J Phys Med Rehabil. 2024. DOI: 10.1097/PHM.0000000000002407.

3. **Reoli R**, Therrien A, Millar J, Hill N, Varghese R, Roemmich R, Whitall J, Bastian A,

Keller J. The Scale for Assessment and Rating of Ataxia is reliable and valid for in the

telehealth setting for patients with cerebellar ataxia.PTJ.2024. 104(3).

4. Walsh B, Spence T, Mack B, **Reoli R.** Identifying meaningful goals in inpatient

psychiatric care: patient perspectives through the Canadian Occupational Performance

Measure. Occupational Therapy in Mental Health, DOI: [10.1080/0164212X.2023.2285315](https://doi.org/10.1080/0164212X.2023.2285315)

5. **Reoli R**, Therrien A, Cherry-Allen K, Keller J, Millar J & Bastian A. Is the Dynamic

Gait Index a useful outcome to measure balance and ambulation in patient with cerebellar

ataxia? Gait Posture. 2021, 89:200-205.

6. **Reoli R**, Cherry-Allen K, Therrien A, Keller J, Leech K, Leddy Whitt A & Bastian A.

Can the ARAT be used to measure arm function in people with cerebellar ataxia?

Physical Therapy. 2021. Feb 4, 101(2).

7. Matsumoto N, Eldridge M, Saunders R, **Reoli R**, Gothard K & Richard B. Mild

perceptual categorization deficits follow bilateral removal of anterior inferior temporal

cortex in rhesus monkeys. J Neurosci. 2016. Jan 6;36(1):43-53.

8. Jonely H, Brismee JM, Desai M & **Reoli R**. Sacroiliac joint dysfunction in a 35-year-old

nulliparous female: a multimodal and multidisciplinary approach to management. J Man

Manip Ther. 2015. Feb;23(1):20-6.

**Submitted or In-Revision Peer-reviewed journal articles**

1. **Reoli R**, Therrien A, Millar J, Hill N, Varghese R, Roemmich R, Whitall J, Bastian A,

Keller J. The Berg Balance Scale is reliable and valid in the telehealth setting for patients

with Parkinson’s disease. *Under Review 2024.*

2. Kumble S & **Reoli R**. Decompressive craniectomy helmet outcomes: a scoping review.

*Under Review 2024.*

3. Karagiorgos E & **Reoli R**. Beyond the desk: enriched SLP cognitive training program: a

novel approach to neurovascular rehabilitation. *Under Review 2024.*

4. Spence T, Roemmich R, **Reoli R,** Lehmann S. The effectiveness of occupational therapy

in a geriatric psychiatry day hospital. *Under Review 2024.*

*5.* Myer, A., Lenker H., & **Reoli, R**. The optimum frequency for physical therapy intervention in pediatric patients undergoing bone marrow transplantation in the acute care setting: a systematic review. *Under Review 2024.*

**Non-peer reviewed journal articles**

NA

**Book Chapters**

NA

**Major Invited Speeches** (number entire section continuously, through each subsection)

Local

1. **Reoli, R.** How Reliable are Our Physical Therapy Outcome Measures? Kennedy Krieger Motion Analysis Laboratory, 2019.Research Seminar.
2. **Reoli, R.** Johns Hopkins Hospital Residency Graduation, Keynote Speaker. 2024.
3. **Reoli, R.** Neurorehabilitation and the Role of high Intensity Gait Training. UMSOM Continuing Education Programing. 2024. *Accepted.*

National

1. **Reoli, R.,** Lenker, H., Lavezza A., Sarah M. APTA Combined Sections Meeting. Educational Session. February 2024.
2. **Reoli, R.,** Marchese, T., APTA Combined Sections Meeting. Educational Session. February 2025. *Accepted.*

International

1. **Reoli, R.,** Johns Hopkins Hospital: Sheikh Khalifa Stroke Institute, Motor Control; Hemiplegia; Ataxia, Virtual, 2021.

2. **Reoli, R.,** Sheikh Khalifa Stroke Institute, 2nd Annual Recovery After Stroke Conference, Inpatient Rehabilitation Gaming Technology, Virtual, 2022.

**Proffered Communications**

**National**

NA