

# CURRICULUM VITA

- NAME:** Rehab Eid Aljuhni
- EDUCATION:** 2020 - 2023  
Ph.D., Rehabilitation Sciences, University of Illinois at Chicago, Chicago, Illinois, United States  
Thesis: The effect of repetitive peripheral magnetic stimulation on cortical excitability and motor performance.  
2018 – 2020  
MSc., Rehabilitation Sciences, University of Illinois at Chicago, Chicago, Illinois, United States  
Project: The effect of genetic polymorphism on walking speed and ankle motor control post stroke.  
2008 – 2013  
BSc., Physical Therapy, King Saud University, Riyadh, Saudi Arabia.
- POSITIONS AND EMPLOYMENT** 2024- Present  
Assistant Professor at Al Majma'ah University.  
2020- 2023  
Lab coordinator, Brain Plasticity Lab, University of Illinois at Chicago, United states  
2020- 2021  
Teaching Assistant: PT 629 Science in Practice.  
2019- 2023  
Teaching Assistant: Al-Majma'ah University.  
2019- 2020  
Information services and research department personnel, Library of health sciences at University of Illinois at Chicago, United states.
- CLINICAL EXPERIENCE:** 2013 - 2015  
Physical Therapist at the National Guard Hospital and King Fahad Medical City, Riyadh, Saudi Arabia
- ABSTRACTS:** Aljuhni, R, Hyosok, L & Madhavan, S (2022). Validity of wearable inertial sensors for measurement of walking speed assessment in adults post stroke.

**PUBLICATIONS:** Aljuhni, R, Rosenberg, A, Baynard, T & Madhavan,S (2021). Repeatability and reproducibility of Transcranial doppler ultrasound (TCD) measurement in stroke: A systematic review.

Aljuhni, R., Cleland, B. T., Roth, S., & Madhavan, S. (2020). Genetic polymorphisms for BDNF, COMT, and APOE do not affect gait or ankle motor control in chronic stroke: A preliminary cross-sectional study. *Topics in stroke rehabilitation*, 28(1), 72–80.

Aljuhni, R., Kumar, S., Sawa, C. & Madhavan, S (In progress) Temporal modulation of corticomotor excitability by repetitive peripheral magnetic stimulation (rPMS). A study on the healthy tibialis anterior muscle.

Aljuhni, R., Sawa C., Kumar S., & Madhavan, S (In progress) The effect of sensory-based priming technique using repetitive peripheral magnetic stimulation (rPMS) on motor skill performance in individuals with stroke.

**CONTINUING EDUCATION:** Attended Neurorehabilitation 2022 conference- Harvard Medical School, Boston, United States

Participated in the American Congress of Rehabilitation Medicine Conference -2022- Chicago, United states.

Attended- Society for Neuroscience, Annual meeting -2021- Chicago, United States.

Attended a seminar titled: Innovating Cerebrovascular Assessments: Impact of Exercise, Environment and Technology- 2019- Chicago- United States

Attended a seminar titled: Robotics to Restore and Retrain Human Movements -2018- Chicago, United States

Participated in a workshop titled: Specialized techniques for measuring sensory integration course, University of Southern California in collaboration with National Guard hospital- Saudi Arabia- 2015

**HONORS:** 2018 – 2020

Recipient of the King Abdullah Scholarship (10<sup>th</sup> Phase), Saudi Arabia.

2020 - Present

Recipient of Al-Majma'ah University Scholarship, Saudi Arabia.