

The science and non-science behind muscle stiffness



Preeti Raghavan, M.D.

Associate Professor, Physical Medicine and Rehabilitation; Johns Hopkins University School of Medicine
Director, Center of Excellence in Stroke Treatment, Recovery and Rehabilitation; Sheikh Khalifa Stroke Institute

Many of us have experienced or will experience muscle stiffness in our lives. Sometimes it occurs due to lack of mobility and at other times due to overuse or trauma. Why does it occur? How can we understand it, measure it, and treat it? The seminar will discuss the hyaluronan hypothesis for muscle stiffness and current and future work to test it.

Biography: Preeti Raghavan, M.D., is an associate professor of physical medicine and rehabilitation and neurology at the Johns Hopkins University School of Medicine. She is the director of the Center of Excellence in Stroke Treatment, Recovery and Rehabilitation at the Sheikh Khalifa Stroke Institute. She uses innovative approaches to rehabilitation from stroke and other brain injuries, holding several patents for new technologies to support stroke recovery. She also serves as a vice chair for research in the Department of Physical Medicine and Rehabilitation. She completed a research fellowship in motor control and learning at Columbia University after a physical medicine and rehabilitation residency at Albert Einstein College of Medicine. She is director of the Motor Recovery Research Lab where she works with a multidisciplinary group of physicians, therapists and engineers. Her research interests include the recovery of arm and hand function after brain injury, understanding the mechanisms and treatment of muscle stiffness, improving access to cost-effective stroke rehabilitation and investigating how emotional regulation interacts with recovery.

Friday, September 6th @ 1:00 p.m.
Krasnow Institute, Room 229