Neurorehabilitation and Robotics is a multi-disciplinary rehabilitation out-patient clinic at the Indiana University Health Neuroscience Center. Neurorehabilitation and Robotics promotes recovery for patients with various neurological injuries or disorders throughout the lifespan. Staffed with Physical Therapists, Occupational Therapists, Speech Therapists, and a biomechanist, the clinic combines traditional rehabilitation techniques with advanced technology, including motion analysis, to improve functional outcomes for patients.

The advanced technology available within Neurorehabilitation and Robotics includes: the Hocoma Lokomat, Reha G-EO, Aretech Zero-G, InMotion Shoulder-Elbow and Wrist Robots, an Anklebot, Neurocom and several others. This equipment capitalizes on the philosophies of motor learning and neuro plasticity, where increased repetition and intensity can lead to enhanced functional outcomes in the neurological population. Motion Analysis and Gait Assessment are used to quantify the gains found through the various pieces of advanced technology in both clinical treatment and research.

Presenters:

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