

CONGRATULATIONS NATHAN MAKOWSKI, PhD RECEIVES NIH GRANT AWARD



Nathan Makowski, PhD, was awarded the Clinical and Translational Science Collaborative (CTSC) KL2 award to investigate the feasibility of combining multi-channel FES and baclofen therapy in enhancing the mobility of chronic stroke survivors.

The training program is designed to address the need to enhance the training of individuals interested in clinical research. The program includes training to conduct team-based, multidisciplinary, patient-oriented clinical research.

Post-stroke hemiparesis impairs gait, increasing fall risk, and decreasing independence and ability to participate in the community. Dr. Makowski's research integrated into the training will investigate the feasibility of combining multi-joint FES and baclofen therapy in enhancing the mobility of chronic stroke survivors. The goal is to have baclofen therapy reduce spasticity while FES dynamically activates muscles during the gait cycle. The research will evaluate the individual interventions as well as their combined effects.

The CTSC is funded by the NIH National Center for Advancing Translational Sciences (NCATS).

About the FES Center

The Cleveland FES Center is a consortium of the Louis Stokes Cleveland VA Medical Center, MetroHealth Medical Center, Case Western Reserve University, and University Hospitals. With their support, researchers, engineers and clinicians collaborate together to develop innovative solutions that improve the quality of life of individuals with neurological or other muscular skeletal impairments. Through the use of neurostimulation and neuromodulation research and applications, the Cleveland FES Center leads the translation of this technology into clinical deployment.