

Spinal Cord Injuries may result in lower-limb spasticity, affecting the ability to move the individual's ankle and foot. SCI induced spasticity can greatly hinder any present or potential motor tasks of the affected individual. The proposed study investigates the use of an innovative spasticity treatment device that is able to apply ankle stretching motions in a more controlled, precise, and safe manner, for both the patient and clinician. The overarching goal of this study is to determine if controlled use of this device significantly improves the ankle motion of SCI patients with lower-limb spasticity. In this pilot program, twenty selected patients will be enrolled in either a Control Group or the Experimental Group. These patients will be evaluated at the end of a 12 week treatment period to determine if the experimental device was effective in increasing ankle motion and improving functional outcomes.