

The Utilization Effects of Powered Wearable Orthotics in Improving Upper Extremity Function and ADL in Persons With SCI

NCT06349434

Status	RECRUITING
Phase	Not Applicable
Sponsor	Kessler Foundation
Enrollment	60 participants

Key Eligibility Criteria

Inclusion (11)

- Be between ages 18-80
 - Be able to activate certain muscles in my arm and forearm on my own a sufficient amount as measured by EMG amplitude. This will be determined by the study OT/PT.
 - Be diagnosed with spinal cord injury (SCI) with level C1-C8 and ASIA Impairment Scale (AIS) C or D, as determined by study staff. If I have not had an exam to determine my injury level and impairment scale recently, I may participate in an examination of my sensation and strength in my arms, legs, trunk and rectum as was done in the hospital soon after my injury.
 - Be at least 1-year post injury
 - Have sufficient ability to move my shoulder (active shoulder flexion of 30 degrees and active shoulder abduction 20 degrees), as determined by study staff
- ... and 6 more (see full listing online)

Exclusion (10)

- Be younger than 18 years old or older than 80
 - Have excessive pain in my arm, wrist, or hand that limits providing rehabilitation
 - Have excessive spasticity in my elbow or wrist, as determined by study staff
 - Be participating in any experimental rehabilitation or drug studies
 - Have history of nervous system disorder other than SCI
- ... and 5 more (see full listing online)

Locations (1 total)

Kessler Foundation, West Orange, New Jersey, United States