

Neurostimulation for Respiratory Function After Spinal Cord Injury

NCT05756894

Status	RECRUITING
Phase	Not Applicable
Sponsor	Shirley Ryan AbilityLab
Enrollment	10 participants

Key Eligibility Criteria

Inclusion (5)

- Male and females between ages 18-85 years
- SCI at least 6 months post-injury
- Spinal Cord injury at C1-C5
- Demonstrate respiratory deficit following spinal cord injury as following: (1) Individuals using mechanical ventilation, and (2) individuals with pulmonary function testing (PFT) deficits corresponding to having a vital capacity (VC) \leq 80% (predicted)
- Must have a family member or caregiver who is trained and willing to operate the mechanical ventilator during study visits.

Exclusion (14)

- Any illness or condition that based on the research team's assessment, will compromise with the participant's ability to comply with the protocol, patient safety, or the validity of the data collected during this study.
- Any debilitating disease prior to the SCI that caused exercise intolerance.
- Individuals entirely dependent on the support of a diaphragmatic pacer (24 hours per day).
- Premorbid, ongoing major depression or psychosis, altered cognitive status.
- History of head injury or stroke
- ... and 9 more (see full listing online)

Locations (1 total)

Shirley Ryan Ability Lab, Chicago, Illinois, United States