

Restoring Motor and Sensory Hand Function in Tetraplegia Using a Neural Bypass System

NCT03680872

Status	RECRUITING
Phase	Not Applicable
Sponsor	Chad Bouton
Enrollment	7 participants

Key Eligibility Criteria

Inclusion (8)

- Males and females between 22 and 65 years of age
- Individuals with a stable cervical spinal cord injury that have International Standards for the Neurological Classification of SCI (ISNCSCI) motor scores for fingers of 0 - 2 (non-functional) and ISNCSCI sensory scores of 0 - 2 (not normal) on the palmar side
- Individuals at least one year from initial spinal cord injury
- Individuals that are considered English Proficient due to the study requirements to follow verbal commands during testing sessions
- Individuals that are able to comprehend the study goals and procedures, and are able to provide informed consent for participation.

... and 3 more (see full listing online)

Exclusion (32)

- Individuals participating in another research study that may affect the conduct or results of this study
- Individuals having or exhibiting any of the following:
- Medical contraindications for diffusion tensor imaging, functional magnetic resonance imaging, electromyography, computed tomography, cortical stimulation, or craniotomies/surgeries
- Prior difficulties or allergy to general anesthesia
- Active wound healing or skin breakdown issues

... and 27 more (see full listing online)

Locations (1 total)

Northwell Health's The Feinstein Institute for Medical Research, Manhasset, New York, United States