

Combined Nerve and Tendon Transfer for the Restoration of Hand Function in Individuals With Tetraplegia

NCT04276181

Status RECRUITING
Sponsor Göteborg University
Enrollment 94 participants

Key Eligibility Criteria

Inclusion (5)

- Subjects must be between 15-55 years of age
- Subjects must be diagnosed with a spinal cord injury AIS level C5 to C7
- Time after injury < 12 months
- The strength of the muscle supplied by the donor nerve (supinator) must be graded e 4 according to Medical Research Council (MRC)
- The strength of musculus brachioradialis and wrist extensors must be graded e 4 according to MRC (to be used in grip reconstruction)

Exclusion (5)

- Finger extensor strength < MRC 1
- Evidence of lower motor neuron injury in muscles supplied by the donor nerve
- Subjects must not have any current serious or unstable illness that could interfere with the study
- Medically unstable to undergo surgery as determined by physician
- Spasticity in the forearm or hand graded > 1 according to Modified Ashworth Scale

Locations (1 total)

Center for Advanced Reconstruction of Extremities, Sahlgrenska University Hospital/Möndal, Möndal, Sweden