

Short-term Implanted Electrodes Following Regenerative Peripheral Nerve Surgery for Improving Prosthetic Limb Control Signals

NCT03260400

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Michigan
Enrollment	10 participants

Key Eligibility Criteria

Inclusion (7)

- Participants must be 22 years of age or older.
- Participants must have previously undergone an upper limb amputation proximal to the wrist.
- For participants without existing RPNI grafts (at the time of enrollment), the residual limb must have sufficient soft tissue quality to support performance of the RPNI operative procedure. Participants sustaining severe crushing or avulsion injuries with substantial superficial and deep scarring may not be appropriate candidates for inclusion in the study.
- Participants must be in good health and American Society of Anesthesiologists (ASA) Class I or II (low surgical risk).
- Participants must have reliable transportation.

... and 2 more (see full listing online)

Exclusion (11)

- Participants may not be suffering from any severe pain syndrome including complex regional pain syndrome or severe phantom pain. All of these conditions would suggest pathological activity of the nerve and would exclude the participant from participation.
- Participants must not be suffering from any untreated mental health disorders and if they have any DSM-5 diagnoses, they must receive approval to participate from their mental health professional.
- Participants must not have any medical conditions that, in the opinion of the Principal Investigator, would place them at high risk for a surgical procedure including recent myocardial infarction, cerebrovascular accidents, deep venous thrombosis, pulmonary embolus, uncontrolled diabetes, or end stage renal disease.
- Participants must not have used tobacco for at least one month prior to enrollment in the study.
- Participants must agree to not use tobacco for the duration of the study.

... and 6 more (see full listing online)

Locations (1 total)

University of Michigan, Ann Arbor, Michigan, United States