

Research Study Participants Invited

# Effects of Epidural and Transcutaneous Spinal Stimulation

## CONTACT

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## PURPOSE

You are invited to participate in our research to investigate the acute effects of epidural (invasive) and transcutaneous (non-invasive) spinal stimulation on neuromuscular responses after severe neurological injuries.

## THE BENEFIT TO MANKIND

The results from this study will help us to optimize methods to recover or enhance the ability to recover motor function after neurological injuries and diseases.

## ELIGIBILITY REQUIREMENTS

- Be between 21 and 59 years old
- 1 to 10 years post spinal cord injury
- Spinal cord injury: non-progressive SCI, between T2 and T10, ASIA A-C

## WHAT IS INVOLVED

- Transcutaneous (non-invasive) spinal stimulation
- Epidural (invasive) spinal stimulation: Lead electrodes will be implanted percutaneously in sterile conditions by a certified neurosurgeon, and removed after 7 days
- Six experiments up to 3 hours each during rest and attempts to contract leg muscles and stand (with assistance) without and in the presence of spinal stimulation

## COMPENSATION

- Up to \$60 for each session or \$100 if sessions involve epidural stimulation
- Valet Parking Reimbursement

