

INDIVIDUALS WITH AND WITHOUT SPINAL CORD INJURY ARE NEEDED TO PARTICIPATE IN RESEARCH

The purpose of this study is to **investigate the safety and effectiveness of an individualized noninvasive spinal stimulation technique**. The goal is to learn how to better strengthen connections between the brain and spinal cord after spinal cord injury. Eligible participants will receive electrical stimulation over the neck and spinal areas known to control hand and wrist movements. Multiple aspects of nerve transmission and muscle response will be measured.

There are seven visits in total, including an initial evaluation and clinical assessment session, at least one-week apart. Each visit will last roughly 4 hours or less. We plan to enroll 20 participants with spinal cord injury and 20 volunteers without disability over a two-year period. Please note, there is *no expectation of long-term benefit from this study*.

ENROLLMENT IS OPEN TO VETERANS AND NON-VETERANS

- **ARE YOU** between 18 and 75 years of age?
- **DO YOU** have a cervical spinal cord injury (SCI) of more than 12 months with some finger, wrist and/or elbow movement, **OR ARE YOU** a volunteer without disability?
- **ARE YOU** willing / able to attend four laboratory sessions at the Bronx James J. Peters VA Medical Center (JJPVAMC)?

Please note, for your safety, we will screen for multiple factors that might increase risk of participating, such as seizures, heart disease, implanted electrical devices, pregnancy, and others. These may exclude you from participating.

For further information please contact the Principal Investigator or research coordinator listed below, weekdays between 8:00 am and 3:00 pm. Please quote the protocol number (19-57) when reaching out.

Principal Investigator
Dr. Noam Harel
noam.harel@va.gov
718-584-9000 ext 1742

Research Coordinator
Ms. Kyla Holbrook
kyla.holbrook@va.gov
718-584-9000 ext 5824

JJPVAMC Institutional Review Board approved protocol: HAR-19-57 [MIRB 01907]

Principal Investigator: Noam Harel, MD, PhD

Supported by the New York State Department of Health.

Compensation will be provided.