BACKGROUND
Peripheral nerve injuries (PNIs) are trauma-induced injuries of peripheral nerves, typically from the crushing of a nerve, which present symptoms ranging from pain to loss of motor and sensory function.

Peripheral nerve injuries:

- $150 B
- 20 M
- > $10,000

In annual healthcare costs (nerve repair)
Americans suffering from PNIs
Per treatment

OUR PRODUCT
Our product allows surgeons to evaluate the extent of damage and determine next steps for treatment. The product includes a handle, electrodes, and a fastening mechanism to secure the device in place for the duration of the nerve conduction study.

PRODUCT BENEFITS

Improved Accuracy: Our product utilizes a silicone-coated design that minimizes interaction with surrounding tissues and a securement mechanism that increases contact with the injured nerve.

Decreased Decision-making Time: Our product decreases signal artifacts by increasing nerve-electrode contact and minimizing lifting, producing clear signals for evaluation of nerve damage.

Easy to Use: Our product has a simple securement mechanism that can be quickly attached and detached from the injured nerve.

TESTING SETUP

Contact us at nrieman1@jh.edu