



ECAPS STUDY

Participant Information

PURPOSE OF STUDY

The purpose of this study is to better understand how spinal cord stimulation devices can ease chronic pain.

The current approach to spinal cord stimulation for pain relief is based on an assumption that the person is not moving around, which isn't usually the case in the real world. A different type of measurement, called the "evoked compound action potential" or ECAP, may give us a better way to measure pain relief for spinal cord stimulation when people are moving around as usual.

In this study, we want to see how well it works to measure ECAP during the externalization of your spinal cord stimulation to see if this would work well for patients in the future.



SCHEDULING YOUR STUDY VISITS

You will need to set aside approximately **8 hours** for this study. This estimate does not include finding parking so that you can arrive at the lab on time.

You will be contacted by a member of the study team about scheduling and we will send you reminders of upcoming visits.



COMMUNICATION WITH THE STUDY TEAM

We will ask you to take a communication preferences survey so that we know the best way to stay in touch. You will receive automated emails with links to take the surveys at home. We will contact you via your preferred method to remind you to about the surveys, and so you can share any questions or concerns with us.

CONTACT US



hdlab@umn.edu
hermandarrowlab.com

STUDY INVESTIGATORS

Dr. David Darrow
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STUDY COORDINATOR

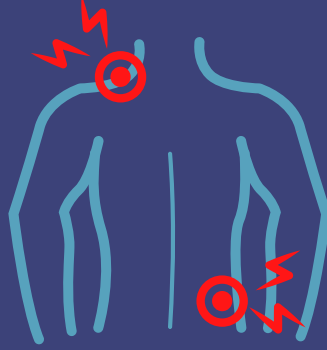
Jeanie Pebbles
612-946-1424
pebb1002@umn.edu



STUDY LAB ADDRESS

420 Delaware St SE
Room: Mayo A470
Minneapolis, MN 55455

STUDY TIMELINE

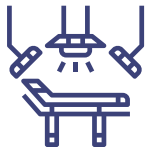


This study takes place at the
Clinical Research Unit at
the University of
Minnesota, in the Phillips-
Wangensteen Building.



VISIT 1

- **Screening at clinic (10 min)**
- **Consent/Enrollment visit (50 min)**
Consent form, collect demographics and health history, complete questionnaires, get your sleep tracking watch



VISIT 2

- **OR Visit**
Undergo scheduled externalization procedure
- **Research activities (25 min)**
EMG measurement, complete questionnaires



VISIT 3

- **Externalized Visit #1 (2 hours)**
Physical exam, EMG, EEG, EKG, spinal simulation, play computer games, complete questionnaires



VISIT 4

- **Externalized Visit #2 (2 hours)**
Physical exam, EMG, EEG, EKG, spinal simulation, play computer games, complete questionnaires



VISIT 5

- **Externalized Visit #3 (2 hours)**
Physical exam, EMG, EEG, EKG, spinal simulation, play computer games, complete questionnaires
- **Participation in study complete!**



Address:
Floor 1, Suite 1-302
516 Delaware Street SE
Minneapolis, MN 55455

Parking

The clinic will validate parking for the Delaware Street patient and visitor ramp, Also known as Fairview Patient & Visitor Ramp.

Address:
659 Delaware Street SE
Minneapolis, MN 55455

**If you have any questions please do not
hesitate to email, call or text.**

hermandarrowlab.com

COMPENSATION

You will be compensated up to \$350 for your participation using a prepaid debit card.

- \$50 for the OR
- \$100 each for the 3 follow-up visits

