

Recruitment Advertisement

Testing the efficacy of garment-embedded electrodes for functional electrical stimulation: training of individuals with upper-limb paralysis.

We are looking for individuals with spinal cord injury who are interested in participating in a study to receive electrical stimulation through electrodes integrated in a tight shirt. Electrical current will be sent through the skin to make paralyzed muscles contract. The goal of the study is to test and improve the usability, safety and efficacy of a new type of electrodes to improve motor recovery after spinal cord injury.

The study includes 40 sessions, 1 hour long. While wearing a tight shirt containing stimulation electrodes, you will be asked to perform a motor task (such as reaching, grasping and lifting a bottle) repetitively. Your physical abilities (strength and function) will be evaluated at the beginning and at the end of the study.

You are eligible for the study if you:

- had a spinal cord injury more than 6 months ago;
- have at least one arm paralyzed in a way that you cannot eat, drink and groom with it;
- are 18 years or older and fluent in English;
- have no severe depression or psychiatric disease;
- don't have implanted electronic devices.

Session location: Lyndhurst Centre, 520 Sutherland Drive, Toronto.

If you are interested in finding out more about this study, please contact:

Bastien Moineau 416-597-3422 ext 6213
E-mail: bastien.moineau@uhn.ca

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