

**The MetroHealth System**  
**Consent to Participate in a Research Study**

**Study title:** *Transcranial Direct Current Stimulation During Contralaterally Controlled Functional Electrical Stimulation for Upper Extremity Hemiplegia*

**Sponsor:** NIH

**Principal Investigator:** David Cunningham 216-957-3349

**Study Coordinator:** Amy Friedl 216-957-3581

**KEY STUDY INFORMATION**

You are being invited to take part in this research study because you have had a stroke more than 6 months ago and less than 2 years ago and continue to have poor hand function. Taking part in this study is voluntary. You do not have to participate in this study if you don't want to. You may also leave the study at any time. If you leave the study before it is finished, there will be no penalty to you, and you will not lose any benefits to which you are already entitled.

Please read this consent form carefully and take your time making a decision. Your study doctor or a member of the study staff will discuss this form with you. Please ask questions about anything that you do not clearly understand. You can ask as many questions as you want. We also encourage you to talk with your family and friends before you decide to take part in this study.

The following is a short summary of this research study to help you decide whether you would like to take part. More detailed information is included later in this document.

**Why is this study being done?**

After a stroke, it is very common to lose the ability to open the affected hand. Occupational and physical rehabilitation therapy (OT and PT) combined with non-invasive brain stimulation may help a person recover hand movement.

The purpose of this study is to compare 3 non-invasive brain stimulation protocols combined with therapy to see if they result in different amounts of recovery of hand movement after a stroke.

**What is involved in this study?**

If you choose to be in this study and you are eligible, you will participate in testing visits before, during and after treatment, and 12 weeks of treatment with an Occupational Therapist. All total, you will be in the research study for approximately 9½ to 10 months.

More detailed information can be found below in the section labeled "Information on the Research."