# Pediatric Non-invasive Brain Stimulation Assessment

#### **Assessment of Non-invasive Brain Stimulation Adverse Effects**

A newly-developed assessment tool designed by pediatric neuroscientists and physicians allows practitioners of pediatric non-invasive brain stimulation to anticipate and address potential issues from adverse events. The assessment helps investigators assess and manage any adverse effects from non-invasive brain stimulation – and possibly helps prevent them from occurring in the first place. In addition, the tool provides critical information for managing seizures.

#### **Non-invasive Brain Stimulation Assessment**

The assessment is comprised of five documents:

- tDCS Risk Mitigation and TMS Risk Mitigation, used for both minor and serious adverse event management
- Participant Report of Symptoms, which assesses patient status
- Seizure Management Guidelines and Seizure Observation Record, which guide investigators during the event of seizure.

#### BENEFITS AND FEATURES OF PEDIATRIC NON-INVASIVE BRAIN STIMULATION ASSESSMENT:

- · Provides important training
- Enhances the child's experience
- May prevent some of the known adverse effects
- Guides staff in assessing and managing adverse effects
- Delivers critical information for managing seizures
- Introduces a valuable resource on the feasibility and safety of pediatric non-invasive brain stimulation clinical trials

**Phase of Development** - Pilot Scale Demonstration. License available for using assessment tool.

## Researchers

Bernadette Gillick, PhD, MSPT, PT

Assistant Professor, Department of Physical Medicine and Rehabilitation

External Link (www.med.umn.edu)

Alvaro Pascual-Leone

Timothy Feyma

Linda Krach

Gregg Meekins

Tonya Rich

# **Technology ID**

20160076

## Category

Express License
Life Sciences/Health IT
Software & IT/Health IT

## View online

