



# Optimization of deep brain stimulation parameters in patients with medically

## refractory epilepsy

Status: Recruiting

# **Eligibility Criteria**

Age: 18 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

### Inclusion Criteria:

People who have medically refractory epilepsy with a deep brain stimulator in place

#### **Exclusion Criteria:**

People who have dementia of sufficient severity to impair their ability to make healthcare related decisions for themselves

# Conditions & Interventions

Conditions: Brain & Nervous System Keywords: DBS, Deep Brain Stimulation, Epilepsy

## More Information

**Description:** This study will develop a platform for stimulation setting optimization based on power spectral density (PSD) measures. Randomized, controlled trials have demonstrated that stimulation of the anterior nucleus of the thalamus (ANT) suppresses seizures. The central hypothesis tested here will be that PSD measured in the ANT will correlate with seizure frequency and stimulation settings that suppress broadband activity will result in lower seizure rates. **Contact(s):** Robert McGovern - rmcgover@umn.edu

Principal Investigator: Robert McGovern, MD IRB Number: STUDY00011863 System ID: 32882

Thank you for choosing StudyFinder. Please visit http://studyfinderstaging.umn.edu to find a Study which is right for you and contact sfinder@umn.edu if you have questions or need assistance.