

Optimization of deep brain stimulation parameters in patients with medically refractory epilepsy

Status: Recruiting

Eligibility Criteria

Sex: Male or Female

Age Group: 18 years and over

This study is NOT accepting healthy 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:

Epilepsy, DBS, Deep Brain Stimulation

More Information

Description: The purpose of this research is to better understand how deep brain stimulation settings can affect the electrical activity in the brain and the frequency of seizures. There are a number of different ways in which the deep brain stimulation electrodes can be programmed to stimulate the brain. This research study uses the implanted battery in the chest to record electrical activity from the brain at different stimulation settings. We then use this electrical activity to determine stimulation settings that are "personalized" to your brain.

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IRB

Number: STUDY00011863

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