

Low Intensity Focused Ultrasound Epilepsy: A Pilot Trial

NCT03868293

Status	RECRUITING
Phase	Not Applicable
Sponsor	Brigham and Women's Hospital
Enrollment	10 participants

Key Eligibility Criteria

Inclusion (4)

- Subjects at least eighteen (18) years of age
- Subjects with drug-resistant temporal lobe epilepsy whose seizures involve altered awareness (ie failed at least two trials of antiepileptic drugs for seizures), as determined by one of the BWH epilepsy neurologists based on clinical seizure semiology and/or EEG findings.
- Subjects who experience at least 1-2 seizures per month on average, are aware of or have reliable caregivers who are aware of when seizures occur and can reliably log seizure frequency
- Subjects who have the cognitive ability to read and understand the consent form, describe any potential symptoms experienced during or after treatments.

Exclusion (12)

- Subjects with a cognitive or psychiatric disorder that limits the ability to give informed consent or are unable to cooperate with testing
- Subjects with dementia or other progressive degenerative disease, delirium or active psychosis
- Subjects with ferromagnetic materials in the head
- Subjects with severe cardiac disease, increased intracranial pressure, or a Transcutaneous Electrical Nerve Stimulation (TENS) unit
- Subjects who have primary generalized epilepsy or non-epileptic seizures
- ... and 7 more (see full listing online)

Locations (1 total)

Brigham and women's Hospital, Boston, Massachusetts, United States