

Focused Ultrasound for Drug-resistant Epilepsy

NCT06292494

Status	RECRUITING
Phase	Not Applicable
Sponsor	Taipei Veterans General Hospital, Taiwan
Enrollment	20 participants

Key Eligibility Criteria

Inclusion (9)

- Patients aged 20 and above.
- Localized refractory epilepsy (ineffective with maximum doses of two or more anti-seizure medications).
- Seizure frequency records for at least one month prior to the trial.
- Patients who have undergone a complete preoperative examination, including EEG, MRI, and positron emission tomography (PET).
- Capable of undergoing high-resolution computed tomography (CT scan), and SDR (Skull Density Ratio) ≤ 0.3 .

... and 4 more (see full listing online)

Exclusion (17)

- This product is not suitable for individuals with contraindications related to MRI, such as those with metallic implants, those unable to undergo MRI, severe claustrophobia, or those with adverse reactions to contrast agents.
- Individuals with implants in the brain or skull, such as shunts, electrodes, hard brain membrane patches, or electrode plates, that cannot be avoided along the expected path of brain ultrasound.
- Patients along the expected path of brain ultrasound who cannot avoid structures or sensitive tissues with energy absorption (e.g., previous brain shunt surgery sites, surgical metal clips, or any hard implants).
- Patients with extensive scabbing along the expected path of brain ultrasound.
- Patients who have used contrast agents (e.g., MRI, ultrasound) within the past 24 hours before treatment.

... and 12 more (see full listing online)

Locations (1 total)

Taipei Veterans General Hospital, Taipei, Taiwan