

# Optimizing Therapy in Epilepsy Using Seizure Forecasts Via EEG and Wearables

NCT07012148

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Mayo Clinic
Enrollment	12 participants

## Key Eligibility Criteria

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### Inclusion (16)

- Subjects enrolled in this study must have epilepsy involving the temporal lobe and will have undergone video-EEG monitoring within the past 3 years, and will have met the following criteria:
- Focal epilepsy, including complex partial, and secondarily generalized seizures, including:
  - disabling seizure (i.e. involving loss of awareness, motor control, speech, or other essential functions) counts at least 2 per month on average over the preceding 3 months, established by verbal history or caregiver report.
  - For 3 months prior to enrollment, subject's AED dosages have been stable (less than a 25% change in dosage) and subject has had at least two seizures per month, on average, with a seizure-free interval not to exceed 60 days. Seizures must be separated by a minimum of four hours not to be considered part of a cluster. A cluster, for the purpose of this criterion, shall be considered a single seizure.
- With the exception of epilepsy, subject must be medically and neurologically stable.

... and 11 more (see full listing online)

### Exclusion (14)

- For 3 months prior to enrollment, subject's AED dosages have not been stable (greater than 25% change in dosage), or subject has had more than 30 disabling seizures per month, on average, or more than 10 seizure days per month, on average.
- Subject needs to have magnetic resonance imaging during the study period.
- Subject has a substance abuse history (alcohol, prescription, or illicit medications) within the preceding two years.
- Subject participated in another drug or device trial within the preceding 30 days.
- Subject has been hospitalized for a psychiatric condition within the preceding two years or has had a history of psychosis within the preceding two years (excluding post-ictal psychosis).

... and 9 more (see full listing online)

## Locations (1 total)

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Mayo Clinic in Rochester, Rochester, Minnesota, United States

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<https://clinicaltrials.gov/study/NCT07012148>

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