

# Efficacy of Personalized Transcranial Direct Current Electrical Stimulation (tDCS) in Drug-resistant Epileptic

NCT06334952

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<b>Status</b>	RECRUITING
<b>Phase</b>	Not Applicable
<b>Sponsor</b>	Assistance Publique Hopitaux De Marseille
<b>Enrollment</b>	60 participants

## Key Eligibility Criteria

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### Inclusion (13)

- Patient, parents or legal representative who have given written informed consent;
  - Age: e 9 years;
  - Patients with drug-resistant focal epilepsy with no evolutive brain lesion and no surgical indication or with a previous surgical failure, refusing surgery or with a planned surgery compatible with the total duration of this study;
  - SEEG previously performed before inclusion with an adequate definition of the epileptogenic zone with all data required (pre-SEEG MRI, CT-scan or MRI with electrodes during SEEG and SEEG files) for personalization ;
  - Patient having a pre-SEEG 3D-T1 MRI and CT-scan with electrodes during SEEG available; This MRI can be done specifically for this trial or might be reused from EPINOV or NEURO7T trial)
- ... and 8 more (see full listing online)

### Exclusion (11)

- Patients with seizures of generalized onset in the last 12 months;
  - Patient with multifocal epileptogenic zones, bilateral epileptogenic zone, or poorly defined epileptogenic zone. The epileptogenic network should not be restricted to the orbito frontal cortex or cingulate cortex;
  - Patients with psychogenic nonepileptic seizures;
  - Patient presenting a contraindication to MRI 3T (patient having a pacemaker, metallic foreign bodies, non-removably implanted electronic medical devices, claustrophobia, inability to remain in supine position, vagus nerve stimulator even when switched off is a contraindication for MRI 3T. EPINOV or NEURO 7T trial patients, who have accepted for their data to be reused, can be included even while wearing a VNS device) ;
  - Substance use abuse that may include alcohol , opioids (heroin, fentanyl) stimulants (Cocaine, methamphetamine) , hallucinogens (LSD, psilocybin (magic mushrooms), MDMA (Ecstasy))
- ... and 6 more (see full listing online)

## Locations (7 total)

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Service de Neurophysiologie Clinique de l'Enfant et de L'Adulte, Pôle de Neurosciences Cliniques, Bordeaux, France  
Département Neurologie Fonctionnelle et Epilepsie, Hôpital neurologique - Hospices Civils de Lyon, Bron, France  
Service de Neurophysiologie clinique - Hôpital Roger Salengro, CHU Lille, Lille, France

... and 4 more locations

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<https://clinicaltrials.gov/study/NCT06334952>

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