PIONEERS IN ADVANCED DIAGNOSTIC IMAGING, SURGERY AND MEDICAL TREATMENTS FOR PATIENTS WITH EPILEPSY

The UCSF Epilepsy Center is the Bay Area’s premier level 4 epilepsy center, the highest possible rating from the National Association of Epilepsy Centers. Our experienced, multidisciplinary team members—which include neurologists and neurosurgeons, neuropsychologists, neuroradiologists, nutritionists, nurses and pharmacists—have all received specialized training in epilepsy and the problems that are associated with both acute and chronic manifestations of seizures. Our technology and extensive experience allow us to continue to lead the way in treatment innovations and to provide individualized medical, surgical and other treatment options for each patient.

PROGRAM FEATURES

- A 10-bed inpatient Seizure Monitoring Unit featuring state-of-the-art electroencephalography (EEG) technology to accelerate epilepsy diagnosis and treatment planning
- Surgical expertise that includes awake brain mapping during surgery, Gamma Knife radiosurgery, stereo-electroencephalography, high-density electrode grid technology, vagus nerve stimulation therapy, NeuroPace responsive neurostimulation (RNS System), deep brain stimulation (DBS), Visualase laser thermal ablation, and focal resection
- Biweekly multidisciplinary surgery conferences, where we discuss individual cases with all members of our epilepsy team, including epileptologists, neurosurgeons, neuropsychologists, advanced practice nurses, mental health providers and care coordination staff
- Multimodal imaging techniques that enable visualization of the sources of seizures, including detailed brain structure (MRI), electrical activity (EEG), magnetic field (MEG), metabolic activity (PET), and blood flow (SPECT); also, OPSCEA, a revolutionary computer animation technology that displays the spread patterns of seizure activity projected over a personalized 3D model of the brain

MORE →

INFORMATION / REFERRALS

- PHONE (415) 353-2437
- FAX (415) 353-2837
- ucsfhealth.org/epilepsy
Unique specialization in high-density electrode grids and placement of depth electrodes, providing unparalleled detail and insights for surgical planning

Sophisticated noninvasive brain mapping expertise, which enables our specialists to address the most complex cases and provide surgery for previously inoperable conditions

Research that has helped define the most modern approaches of therapy for patients, including treatment with new medications, surgical removal of the source of seizures, and the implantation of brain stimulation devices

CONDITIONS TREATED

- Brain inflammation
- Brain malformations
- Drug-resistant epilepsy
- Epileptic encephalopathy
- Focal epilepsy
- Generalized epilepsy
- Loss of awareness
- Seizures
- Status epilepticus
- Temporal lobe epilepsy

WHY REFER TO THE UCSF EPILEPSY CENTER?

- We are the only epilepsy center in the Bay Area with three certifications from the American Board of Registered EEG Technologists (EEG, ICU, LTM).
- We conduct research on medical imaging and both surgical and nonsurgical treatments for epilepsy, offering patients personalized treatment plans.
- Our specialists have an international reputation for pioneering advancements in diagnostic imaging, surgery and medical treatments that help improve the quality of life for the thousands of patients we care for each year.
- Our patients have access to multiple treatment options, including clinical trials of next-generation drugs, devices and surgical procedures.

WHO SHOULD BE REFERRED?

Patients who should be referred to the UCSF Epilepsy Center include those who have been:

- Diagnosed with epilepsy or seizures that limit quality of life
- Prescribed multiple medications in the past to control seizures

OUR TEAM

EPILEPSY NEUROLOGY
- Susannah Cornes, MD
- Paul Garcia, MD
- Manu Hegde, MD, PhD
- Heidi Kirsch, MS, MD
- Jon Kleen, MD, PhD
- Robert Knowlton, MD
- Daniel Lowenstein, MD
- Mercedes Paredes, MD, PhD
- Vikram Rao, MD, PhD
- Tina Shih, MD

NEUROPSYCHOLOGY
- Brandon Kopald, PsyD

NEUROPSYCHIATRY
- Vivek Datta, MD

NEUROSURGERY
- Edward Chang, MD

NURSE PRACTITIONERS
- Roxana Benavides, NP
- Sudha Lama, NP
- Maritza Lopez, NP

PHARMACIST
- Brian Alldredge, PharmD

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