Comprehensive Epilepsy Program

- Region’s largest multidisciplinary care team
  - 7 board-certified neurologists with fellowship training in epilepsy
  - 3 neurosurgeons who specialize in epilepsy surgery
  - 7 fellowship-trained neuropsychologists
  - Board-certified, fellowship-trained neuroradiologists

- First Seizure Clinic
  - Only dedicated clinic in West Michigan offering rapid follow up evaluation of patients initially seen in emergency room for first-time seizure
  - Patients have MRI and EEG followed by a comprehensive neurological evaluation by a fellowship-trained epileptologist
  - Most urgent epilepsy referral patients are seen within two business days
  - Adult epilepsy program with 8-bed epilepsy monitoring unit (EMU) at Butterworth Hospital
  - Pediatric epilepsy program with 6-bed EMU at Helen DeVos Children’s Hospital

- Comprehensive diagnostic capabilities
  - Video EEG (inpatient and outpatient)
  - Functional cortical mapping
  - Evoked potential studies
  - Intraoperative electrocorticography
  - Intracarotid amobarbital procedure (Wada testing)
  - PET, SPECT, ictal SPECT, MRI and functional MRI

- Full range of surgical procedures
  - Cerebrocortical functional mapping
  - Complex subdural/deep electrode recording
  - Corpus callosotomy
  - Hemispherotomy
  - Laser-mediated thalamic or界al
  - Responsive stimulus inhibition of epileptogenicity
  - Temporal and extratemporal resection
  - Vagus nerve stimulation

- Neurodiagnostic Services
  - Over 50 EEG technicians, largest team in West Michigan
  - Outpatient EEG satellites at Big Rapids, Fremont, Greenville, Ludington and Zeeland
  - Inpatient EEG and continuous EEG capabilities at Spectrum Health Butterworth and Blodgett Hospitals

- Only program in West Michigan offering NeuroPace®, an implantable neurostimulation device, to prevent seizures

- Coordination of support and other services
  - Rehabilitation, including physical, occupational and speech therapy
  - Counseling services for epilepsy patients suffering from psychiatric comorbidities; only counselor in West Michigan dedicated to caring for patients with psychogenic non-epileptic seizures (PNES)
  - Genetic counseling
  - Ketogenic diet
  - Investigational drug and device trials
  - Alternative/complementary medicine

- Management of epilepsy in special populations
  - Elderly
  - Children
  - Pregnant women
  - Developmentally disabled

Epilepsy Referral Guide

Referrals and Consultations
616.267.7600
Referral Form
spectrumhealth.org/neuromd
More Information
shmg.org/epilepsy

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Spectrum Health’s comprehensive epilepsy program is West Michigan’s first Level 4 epilepsy center designated by the National Association of Epilepsy Centers (NAEC).

As a Level 4 epilepsy center, we offer the professional expertise and facilities to provide the highest level of medical and surgical evaluation and treatment for patients with complex forms of epilepsy, including those with uncontrolled seizures (i.e., intractable or refractory epilepsy).

Our epileptologists and epilepsy neurosurgeons are among the most experienced in the field. These specialists are pushing the forefront of epilepsy care through research, furthering the world’s understanding of this condition and the best ways to treat it.

We offer outpatient clinics in Fremont and Grand Rapids.
Despite trying one or more regimens of anticonvulsant medication(s), approximately 33 percent of epilepsy patients continue to have seizures which negatively affect quality of life, morbidity and mortality. For these patients, further evaluation, including admission to an epilepsy monitoring unit, is necessary in order to determine the most effective treatment option.