Georgia Health Sciences
Epilepsy Center

Promoting Seizure-free Living in Children and Adults

Georgia Health Sciences
Neuroscience Center
Comprehensive Care in a Nationally Renowned Referral Center

If you have patients with seizure disorders, they need the specialized care provided by the Georgia Health Sciences Epilepsy Center.

Founded in 1981, the center was the first in Georgia and South Carolina designated a Level IV Epilepsy Center by the National Association of Epilepsy Centers, indicating the highest standard of comprehensive care.

The center offers:

- Pediatric and adult epileptologists, neurosurgeons and neuropsychologists
- A dedicated inpatient epilepsy monitoring unit for continuous evaluation of seizures
- Medical and dietary management of epilepsy
- A full range of epilepsy surgery options
- A comprehensive staff, including an epilepsy coordinator and a nurse educator
- Ongoing epilepsy research, including clinical trials of medications and devices

We are committed to ensuring that you have prompt access to our services, to providing your patients with superlative clinical care, and to keeping you informed through timely reports and communications based on your preferences.
There’s Strength in Our Numbers

With more than 35 years of experience, we have cared for thousands of patients and performed more epilepsy surgeries than any other center in the region. We have:

• Treated more than 2,260 patients over the last five years
• Performed in excess of 1,255 resective surgeries since our founding

At the Georgia Health Sciences Epilepsy Center, your patients will receive skilled and compassionate care provided by the region’s largest team of neurologists and neurosurgeons who staff the Georgia Health Sciences Neuroscience Center.

Fostering Positive Outcomes with Comprehensive Evaluations

To provide the best possible clinical outcomes, we evaluate patients with a full range of diagnostic technologies, including:

• Simultaneous 24/7 video and EEG monitoring
• 3-Tesla Magnetic Resonance Imaging (MRI)
• Positron Emission Tomography (PET)
- Neurocognitive testing
- Magnetoencephalography (MEG)
- Ictal SPECT (Single Photon Emission Computed Tomography) with SISCOM (Subtraction Ictal SPECT Co-registered to MRI) to localize the region of seizure onset
- Wada tests to determine which side of the brain controls language and memory
- Functional MRI and intra-operative brain mapping
- Electrocorticography to record the brain’s electrical activity during surgery

An Epilepsy Monitoring Unit for Diagnostic Accuracy

The center’s inpatient Epilepsy Monitoring Unit features six private rooms with simultaneous video, audio and EEG recordings of seizure activity 24/7.

The unit allows our physicians to continuously monitor seizure activity, enhancing their ability to:
- Distinguish epilepsy from other disorders
- Make an accurate diagnosis
- Localize the origin of seizures
- Determine the best treatment options

Coordinated Care through Epilepsy Team Conferences

Epilepsy is a complicated disease that requires comprehensive, coordinated and individualized care. Therefore, the Georgia Health Sciences Epilepsy Center conducts weekly epilepsy
team conferences. A team of epileptologists, neurologists, neurosurgeons, neuropsychologists and nurses meets each week to review and discuss results from complex cases to determine the best possible plan of care.

Medical and Dietary Solutions for Epilepsy

There are many good medications for epilepsy, each of which may work best for certain types of seizures and patients. In fact, most cases of epilepsy can be controlled with anti-epileptic medications. Many patients can eventually stop taking medication and live seizure-free.

Finding the right medication and dosage can be complex and is best accomplished by physicians who specialize in epilepsy. Our physicians have that experience. They will recommend medications based on the type of seizures, patient’s age and other medical conditions. They will also formulate alternate treatment plans for refractory cases.

Alternative Treatments

The Ketogenic Diet

Our physicians and dieticians may recommend the ketogenic diet, a high-fat, high-carbohydrate eating plan that helps control seizures in select patients. A registered dietician, who understands the fine points of this diet, will work with and educate your patients to help ensure compliance. We will monitor your patient’s progress with the diet, if requested.
Low Glycemic Index Diet
A low glycemic index diet may be recommended to treat seizures for adult patients. This diet is high in protein and low in carbohydrates. It is similar to diets used for diabetic patients.

Improving Lives through Epilepsy Surgery
Epilepsy surgery can dramatically improve the quality of life for patients whose seizures cannot be controlled with medications.

Yet, thousands of patients who could benefit from epilepsy surgery are not offered this option because they are unaware of the surgery or lack access to a surgeon with the skills and experience to perform these sophisticated procedures.

The Georgia Health Sciences Medical Center has been performing epilepsy surgeries for more than 50 years, helping patients throughout the region lead healthier, fuller lives. We are one of the few treatment centers in the Southeast offering a full range of epilepsy surgeries for both children and adults.
Surgeries are performed in a state-of-the-art operating suite and include:

- Temporal lobe resection
- Resection of extra-temporal seizure foci
- Corpus callosotomy
- Hemispherectomy
- Vagus nerve stimulator implantation
- Stereotactic and open implantation of recording electrodes

Most patients who have epilepsy surgery see a significant reduction in seizures, and many cease seizure activity entirely.

**Specialized Medical and Surgical Expertise**

Your patients will receive the focused attention of a team of highly experienced physicians, surgeons and neuropsychologists, including:
Cole A. Giller, MD, PhD, MBA
Neurosurgeon
Director, Functional and Stereotactic Neurosurgery
Professor, Department of Neurosurgery

Anthony Murro, MD
Neurologist and Adult Epileptologist
Director, Neurodiagnostic Lab
Professor, Department of Neurology

Yong Park, MD
Neurologist and Pediatric Epileptologist
Director, Epilepsy Monitoring Unit
Professor, Departments of Neurology and Pediatrics

Sabina Miranda, DO
Neurologist and Adult Epileptologist
Assistant Professor, Department of Neurology

Suzanne Strickland, MD
Neurologist and Pediatric Epileptologist
Assistant Professor, Departments of Neurology and Pediatrics

Morris J. Cohen, EdD
Neuropsychologist
Professor, Departments of Neurology, Pediatrics and Psychiatry

Gregory P. Lee, PhD
Neuropsychologist
Professor, Departments of Neurology and Neurosurgery
About Georgia Health Sciences Neuroscience Center of Excellence

Our Epilepsy Center is part of the Georgia Health Sciences Neuroscience Center of Excellence, home to the region’s largest team of skilled neurologists and neurosurgeons, many of whom are nationally and internationally renowned. These specialists diagnose and treat even the most complex neurological disorders in adults and children.

In addition to adult and pediatric epilepsy programs, the center operates the following:

- Nationally renowned spine center
- Accredited stroke program
- Amyotrophic Lateral Sclerosis (ALS) program
- Movement Disorders/Parkinson’s Center of Excellence
- Brain tumor programs for adults and children
- Multiple Sclerosis Center
- Gamma Knife® Center

As part of Georgia Health Sciences University, the center’s physicians/scientists conduct groundbreaking research and train the next generation of neurologists and neurosurgeons.
Adult and pediatric clinic hours:
Monday - Friday, 8 a.m. to 3:30 p.m.

**Adult Clinic**
Georgia Health Sciences Medical Office Building  
1447 Harper Street  
Augusta, GA 30912

**Pediatric Clinic**
Georgia Health Sciences Children's Medical Center  
1446 Harper Street  
Augusta, GA 30912

For more information and directions, visit georgiahealth.org/epilepsy.

About Georgia Health Sciences

As the clinical delivery system for Georgia Health Sciences University, Georgia Health Sciences is Georgia’s only academic health center.

It operates Georgia Health Sciences Medical Center and Georgia Health Sciences Children's Medical Center, and staffs the largest, most diverse team of adult and pediatric physicians in the area. To learn more, visit georgiahealth.org.

*To refer a patient or for more information, call 706-721-4626 or e-mail epilepsy@georgiahealth.edu.*