The Cleveland Clinic Neurological Institute at Hillcrest Hospital is a multidisciplinary institute that combines medical and surgical specialists who treat adult and pediatric patients with neurological disorders. This state-of-the-art institute offers patients world-class neurological care that's closer to home, as well as the vast resources of Cleveland Clinic's main campus for the most complex neurological cases.

**Specialty services and procedures:**

**General Neurology**
Patients receive comprehensive evaluation, treatment and prevention services.

**Neurosurgery**
Our team of neurosurgeons provide expert diagnosis and treatment for a broad spectrum of spinal disorders including degenerative spine diseases, spinal fractures and lumbar spinal stenosis, trauma, brain tumors and peripheral nerve disorders.

**Cerebrovascular Center**
Offers expert diagnosis and medical and surgical treatment for all cerebrovascular conditions, such as stroke and brain aneurysms.

Advanced treatment options include the latest technology in endovascular coilings. Hillcrest Hospital is a Joint Commission-certified Primary Stroke Center and is equipped with a state-of-the-art, flat-panel-detector biplane angiography suite. This equipment allows for the performance of therapeutic neuroendovascular procedures and positions Hillcrest Hospital to be a leader in the management of acute ischemic stroke and complex cerebrovascular conditions.

**Multiple Sclerosis**
Experts from the Mellen Center for Multiple Sclerosis provide pharmaceutical therapies for patients with MS in the infusion center.

**Neuromuscular Services**
Diagnosing and treating neuromuscular diseases such as amyotrophic lateral sclerosis (ALS), peripheral nerve injury, myasthenia gravis and myopathies.

Specialists successfully strive to apply the latest technology to help patients optimize their quality of life and minimize their disability.

**Spine Surgery**
Our experts excel in the diagnosis and treatment of spinal disorders, including scoliosis, spinal stenosis, Chiari malformation and spinal tumors.

**Sleep Lab**
Cleveland Clinic Sleep Disorders Center offers overnight sleep studies at Hillcrest Hospital. Routine sleep studies for adult patients and adolescents over age 12, including PSG and positive airway pressure titrations, are performed in this 4-bed unit.

**Pediatric Neurology**
Our Pediatric Neurology team works closely with the pediatricians and pediatric specialists at Cleveland Clinic Children's Hospital, offering advanced medical care and rehabilitation services for acute illnesses and injuries, as well as chronic and disabling conditions.

**Pediatric Epilepsy Program**
The program offers excellent clinical management and state-of-the-art diagnostic and therapeutic techniques for the diagnostic evaluation and treatment for children with epilepsy.

**Headache**
Headache experts provide evaluation and treatment and have access to an infusion room to offer intravenous infusions specific for headaches.

**Rehabilitation**
Advanced rehabilitation care after surgery, illness or injury including stroke, spinal cord injury, traumatic brain injury, major illness, organ transplant, surgery or trauma.

Physiatrists, specializing in physical medicine and rehabilitation, work closely with physical and occupational therapists to manage each patient’s care. For inpatient rehabilitation, we partner with Cleveland Clinic Rehabilitation Hospital at Euclid Hospital to provide services to our patients.

**EMG and EEG Testing**
EMG and EEG testing read by board-certified neurologists, epileptologists and neuro-physiologists.

**TCD/Carotid Ultrasound Testing**
Ultrasound testing used to see inner-body tissues, blood flow and carotid ultrasound procedures.
Our Physicians

Stephen Samples, MD
Director, Center for Regional Neurosciences
Specialty Interests:
Acute care neurology, hospitalist medicine, headache, general neurology

Jeremy Amps, MD
Specialty Interests:
General neurosurgery, general and complex spinal surgery, spinal deformities, tumors of the brain and spine, cerebrovascular surgery

Toomas Anton, MD
Specialty Interests:
Complex spine, deformity of the spine, spinal instrumentation

Samuel Borsellino, MD
Specialty Interests:
Degenerative spine disease, complex spinal instrumentation, benign and malignant brain tumors, spine tumors, general neurosurgery

Michael D. Eppig, MD
Specialty Interests:
Spinal surgery; adult and pediatric scoliosis and other spinal deformities; disc herniations and stenosis of the cervical, thoracic and lumbar spine; complex spinal reconstruction and revision with instrumentation; spine and spinal cord injuries

Lara Feldman, DO
Specialty Interests:
Inpatient consultation liaison psychiatry and women's mental health

Joanna Fong, MD
Specialty Interests:
General neurology, sleep, epilepsy

Neil Friedman, MBChB
Specialty Interests:
Pediatric neuromuscular disease, pediatric stroke and cerebrovascular disease, neurocardiology, fetal and neonatal neurology

Gary Hsich, MD
Specialty Interests:
General pediatric neurology, genetic metabolic disorders, leukodystrophies, lysosomal storage disorders, headache

Aamir Hussain, MD
Specialty Interests:
General neurology, electromyography

Zulfiqar Hussain, MD
Specialty Interests:
Neuromuscular disease, electromyography, entrapment neuropathy, general neurology

Deepak Lachhwani, MBBS, MD
Specialty Interests:
Medical and surgical treatment of epilepsy in children and adolescents, Rasmussen Syndrome, tuberous sclerosis and other causes, outcome following epilepsy surgery, functional neuroimaging

Sudesha Mitra, MD
Specialty Interests:
Pediatric neurology, neuromuscular disorders

Shaye Moskowitz, MD, PhD
Specialty Interests:
Cerebrovascular and endovascular neurosurgery

Peter Rasmussen, MD, FAHA, FAANS
Specialty Interests:
Cerebrovascular and endovascular neurosurgery

Teresa Ruch, MD
Specialty Interests:
General neurosurgery, carpal tunnel, spinal stabilization, brain tumors

Patrick Schmitt, DO
Specialty Interests:
Inpatient rehabilitation, hospital patient care, quality management

Yana Shumyatcher, MD
Specialty Interests:
Intraarticular injections; botulinum injections for spasticity management and EMG; lower back and neck pain; carpal tunnel syndrome; arthritis; cervical radiculopathy; musculoskeletal pain; osteoarthritis; diabetic neuropathy; stroke; spinal stenosis; traumatic brain injury

Nimish Thakore, MD
Specialty Interests:
Neuromuscular disorders, ALS, electromyography, gait disorders, imbalance, stroke, idiopathic intracranial hypertension

Gabor Toth, MD
Specialty Interests:
Aneurysm coiling, AVM, carotid-cavernous fistula, intracranial stenosis/blockage, neuroimaging, stenting, stroke and cerebrovascular disease, TIA, carotid and vertebral artery stenosis/blockage, carotid and vertebral artery dissection/pseudo aneurysm

Simona Velicu, MD
Specialty Interests:
Neurohospitalist

Ari Wilkenfeld, MD
Specialty Interests:
Spasticity, dystonia, cervical dystonia tremor, Parkinson's disease, movement disorders

Joseph Zayat, MD
Specialty Interests:
General neurology, electromyography

Appointments: 216.636.5860