The multidisciplinary Cleveland Clinic Neurological Institute combines all physicians and other healthcare providers in neurology, neurosurgery, neuroradiology, the behavioral sciences and nursing who treat adult and pediatric patients with neurological disorders. The Neurological Institute offers a disease-specific, patient-focused approach to care. Our unique, fully integrated model is beneficial to our current standard of care, allows us to measure quality and outcomes on a continual basis, and enhances our ability to conduct research.

U.S. News & World Report’s “America’s Best Hospitals” survey has consistently ranked our Neurology and Neurosurgery programs among the top 10 in the nation and best in Ohio. Our Psychiatry program also is ranked best in Ohio. Among our areas of focus:

BRAIN TUMOR AND NEURO-Oncology CENTER
The Brain Tumor and Neuro-Oncology Center is recognized as a national leader in the diagnosis, research and treatment of primary and metastatic tumors of the brain, spine and nerves, and their effects on the nervous system. The Center collaborates with the Taussig Cancer Institute to provide innovative solutions for these complex problems utilizing the latest technology. More than 3,000 patients with brain and spine tumors and other related conditions are treated and more than 800 surgical procedures for brain tumors are performed annually. The latest diagnostic and treatment modalities — including intraoperative MRI, stereotactic neurosurgery, Gamma Knife, Novalis, convention-enhanced delivery and blood-brain barrier disruption — provide patients with the most advanced care possible. Our Translational Therapeutics Program is further accelerating the process of bring novel therapeutic agents from the laboratory to the patient, while maintaining the highest standards of both efficacy and safety.

CENTER FOR HEADACHE AND PAIN
The Center for Headache and Pain is dedicated to the diagnosis and management of headache disorders, facial pain syndromes and associated disorders. The Center commonly treats patients with both primary headaches (migraines with and without auras, tension-type headaches, cluster headaches and other less commonly seen headaches) and secondary headaches (cervicogenic and post-traumatic headaches, medication-induced chronic headaches, and headaches associated with inflammatory conditions). For chronic headache disorders in adults, the Center offers a three-week intensive outpatient program called IMATCH (Interdisciplinary Method for the Assessment and Treatment of Chronic Headache). The program includes comprehensive treatment by specialists in neurology, psychology and physical therapy. The Center for Headache and Pain sees more than 7,000 headache patients a year in the outpatient clinic and offers a specialized infusion service to provide urgent, outpatient care to Center patients who would otherwise need to visit an emergency room.

CENTER FOR NEUROIMAGING
The Center for Neuroimaging staff is expert in structural and functional imaging of the central nervous system for the diagnosis of neurological lesions, injury and metabolic disease. Center members, highly skilled in MRI, CT, myelography, diagnostic cerebral/spinal angiography, interventional neuro-radiology and transcranial Doppler, also subspecialize in specific disease entities, such as epilepsy and cerebrovascular disease, ensuring accurate, indepth and relevant interpretations.

CENTER FOR NEUROLOGICAL RESTORATION
Setting the standard in medical and surgical therapies for neuroscience, the Center for Neurological Restoration is a leader in providing innovative treatments for movement disorders (Parkinson disease, essential tremor, dystonia), chronic pain, obsessive-compulsive disorder, depression and other intractable neurological disorders. The Center has pioneered deep brain stimulation surgery (brain pacemakers), and has now implanted more than 1,000 brain pacemakers.

CENTER FOR PEDIATRIC NEUROLOGY AND NEUROSURGERY
Cleveland Clinic pediatric neuroscience specialists see more than 10,000 children each year for an array of neurological disorders. Together, our team offers state-of-the-art care for a wide range of pediatric neurological conditions, including brain malformations,
cerebral palsy and spasticity, headache, hydrocephalus, metabolic and mitochondrial disease, white matter disease, Tourette syndrome and other movement disorders, neuromuscular disease and muscular dystrophy, fetal and neonatal neurological problems, brain and spinal cord tumors, and neurological complications of cardiac disease, stroke and epilepsy. Comprehensive, advanced neurosurgical services, including neuroendoscopy, are provided to children with neurological conditions and adults with congenital disorders.

**CENTER FOR SPINE HEALTH**

The Cleveland Clinic Center for Spine Health brings together the expertise of specialists in neurosurgery, orthopaedic surgery and medical spine care, integrating the functions of research, clinical practice and education with the goals of improving patient care, developing unique technologies and subspecializations, and promoting the cross-fertilization of ideas among staff. The Center for Spine Health offers comprehensive diagnosis and treatment for all types of spine problems. Our physicians work closely with physical therapists and occupational therapists to develop a complete individualized treatment plan for each patient.

**CEREBROVASCULAR CENTER**

Achieving excellent outcome statistics, the Cerebrovascular Center offers expert diagnosis and medical, endovascular and surgical management of stroke, cerebral aneurysms, brain and spinal vascular malformations, carotid stenosis and intracranial atherosclerosis. The Center is a Joint Commission-certified Primary Stroke Center and has one of the highest stroke-related patient volumes in North America, with more than 3,200 patient visits annually. The Neuroendovascular Research Laboratory focuses on cerebrovascular treatment, imaging research, blood-brain barrier function and cerebral hemorrhage management.

**EPILEPSY CENTER**

State-of-the-art diagnostic capabilities, extensive medical and surgical clinical treatment programs and an active research focus that has yielded important basic and clinical science contributions have made the Cleveland Clinic Epilepsy Center a place of national and international prominence for the management and investigation of epilepsy. The Epilepsy Center brings together a coordinated, multidisciplinary team offering a comprehensive range of skills and knowledge in adult and pediatric epilepsy.

**MELLEN CENTER FOR MULTIPLE SCLEROSIS TREATMENT AND RESEARCH**

The Mellen Center staff provides comprehensive care, advanced treatment, education and experimental therapies, and conducts translational research. Patients are evaluated by a multidisciplinary team that makes individualized treatment recommendations, including enrollment in clinical research protocols.

**NEUROMUSCULAR CENTER**

The Neuromuscular Center treats patients and conducts research in the areas of nerve and muscle disease, including amyotrophic lateral sclerosis (ALS) and related disorders, peripheral neuropathy, myasthenia gravis and myopathies. The Center’s electromyography (EMG) laboratory is one of the largest in the state of Ohio and has a worldwide reputation for its excellence and reliability. The Center includes a highly specialized autonomic laboratory that offers cardiovascular autonomic and tilt table tests, the quantitative sudomotor axon reflex test (QSART), the quantitative sensory test (QST), the sympathetic skin response test (SSRT), the infrared dynamic pupillometry test, and the thermoregulatory sweat test. The Center’s Cutaneous Nerve Laboratory provides the following services: muscle, nerve and skin biopsies; histopathological preparation of skin specimens; and pathological interpretation of skin biopsies for the diagnosis of small fiber peripheral neuropathy.

**PSYCHIATRY AND PSYCHOLOGY**

The psychiatry and psychology department provides a full spectrum of mental health and chemical dependence services to all age groups. Our staff, including psychiatrists, psychologists, clinical nurse specialists, social workers, counselors and therapists, is expert in the clinical evaluation and treatment of patients.

**SLEEP DISORDERS CENTER**

The Cleveland Clinic Sleep Disorders Center is a multispecialty comprehensive program dedicated to the diagnosis and treatment of sleep disorders in children and adults. Accredited by the American Academy of Sleep Medicine, the center is comprised of specialists in sleep medicine, adult and pediatric neurology, pulmonary medicine, psychiatry, psychology, otolaryngology and dentistry. The center has five locations for patients’ convenience and comfort.

Cleveland Clinic offers expert diagnostic and treatment options for all neurological conditions affecting children and adults, including:

- Alzheimer’s disease
- ALS (Amyotrophic Lateral Sclerosis)
- Aneurysms
- Arteriovenous Malformations (AVMs)
- Back and Neck Disorders
- Brain Tumors
- Cerebral Palsy
- Congenital Disorders
- Craniofacial Disorders
- Epilepsy
- Headache
- Hydrocephalus
- Metastatic Tumors
- Movement Disorders
- Neonatal Disorders
- Neurofibromatosis
- Parkinson’s Disease
- Peripheral Neuropathies
- Pituitary Disorders
- Psychiatric Disorders
- Skull Base Disorders
- Sleep Disorders
- Stroke