



University Hospitals Neurological Institute
 11100 Euclid Avenue
 Mail Stop HAN-5042
 Cleveland, Ohio 44106
www.UHhospitals.org/neuro
 216-844-2724 or 866-UH4-CARE

University Hospitals Neurological Institute

University Hospitals Neurological Institute is Northeast Ohio's first designated institute for the comprehensive care of patients with diseases affecting the nervous system. It has fifteen Centers of Excellence that bring together some of the country's foremost experts in neurology, neurosurgery, neuroradiology, neuro-oncology, neuro-ophthalmology, neurotology, neuropathology, neuropsychology and related specialties. Under the direction of Warren Selman, MD and Anthony Furlan, MD, and Associate Directors Robert Ronis, MD, MPH, and Robert Tarr, MD, the Neurological Institute at University Hospitals offers the latest in innovative technology for the diagnosis and treatment of all neurological conditions and diseases.

Medical experts devise appropriate combinations of clinical skills and advanced technologies to better provide individualized care for pediatric, adult, and elderly patients. The Institute's team is committed to expanding and integrating translational research into clinical practice and offers patients direct and rapid access to leading-edge treatment alternatives.

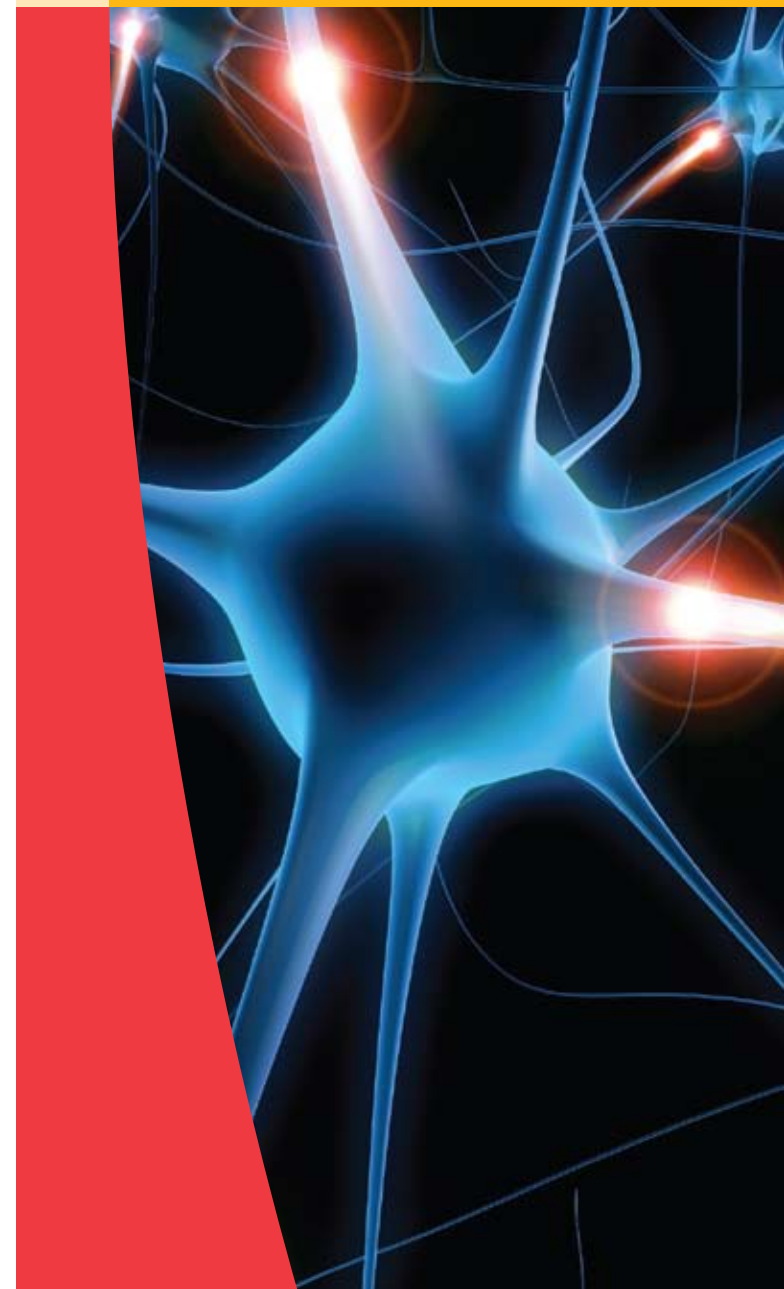


Warren R. Selman, MD
Chairman, Department of Neurological Surgery
 Director, The Neurological Institute
 University Hospitals Case Medical Center
 The Harvey Huntington Brown Jr. Professor and Chair,
 Department of Neurological Surgery
 Case Western Reserve University School of Medicine



Anthony J. Furlan, MD
Chairman, Department of Neurology
 Co-Director, The Neurological Institute
 University Hospitals Case Medical Center
 Gilbert W. Humphrey Professor and Chair,
 Department of Neurology
 Case Western Reserve University School of Medicine

**The Region's Premier Center
 for Neurosciences Care**



Health System Approach

In addition to Case Medical Center, University Hospitals Neurological Institute brings the expertise of our specialists close to you in a number of locations across our system:

Medical Centers

UH Bedford Medical Center
 44 Blaine Avenue, Bedford, Ohio 44146
 440-735-2802

UH Geauga Medical Center
 13207 Ravenna Road, Chardon, Ohio 44024
 440-285-6000

UH Richmond Medical Center
 27100 Chardon Road, Richmond Heights, Ohio 44143
 440-585-6137

Health Centers

UH Chagrin Highlands Health Center
 3909 Orange Place, Orange Village, Ohio 44122

UH Landerbrook Health Center
 5850 Landerbrook Drive, Mayfield Heights, Ohio 44124

UH Twinsburg Health Center
 8819 Commons Boulevard, Twinsburg, Ohio 44087

UH Westlake Health Center
 960 Clague Road, Westlake, Ohio 44145

University Suburban Health Center
 1611 South Green Road, South Euclid, Ohio 44121

For more information on our locations or to make an appointment with a specialist, please call or visit us online: 216-844-2724 or 866-UH4-CARE

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We treat many neurological diseases including:

- Cancers and tumors of the nervous system including spinal tumors, brain tumors, acoustic neuromas, and pituitary tumors. Our highly skilled specialists work hand-in-hand with the respected experts at University Hospitals' renowned Ireland Cancer Center.
- Stroke and other cerebrovascular disorders (of the brain and blood vessels) such as aneurysms and arteriovenous malformations
- Movement disorders, such as Parkinson's disease, Tourette syndrome and essential tremor
- Epilepsy and seizure disorders in children and adults
- Spinal disorders, including spinal injuries and complex spine disease
- Neuromuscular disorders including multiple sclerosis, myasthenia gravis, ALS (Lou Gehrig's disease), trigeminal neuralgia and autonomic disorders
- Disorders related to memory and aging, including Alzheimer's disease and adult ADD (attention deficit disorder)
- Children's neurological problems, including brain tumors, autism, neurodevelopmental disease and ADHD (attention deficit hyperactivity disorder). We work closely with our nationally recognized colleagues at University Hospitals Rainbow Babies & Children's Hospital.

Our fifteen Centers of Excellence bring together some of the country's foremost experts in:

- Neurosurgery
- Neuropsychiatry
- Neuro-oncology
- Neurotology
- Neuropathology
- Neurology
- Neuroradiology
- Neuro-ophthalmology
- Neuropsychology and related specialties

Centers of Excellence

Brain Tumor and Neuro-Oncology Center
Epilepsy Center
General Neurology Center
Memory and Cognition Center
Minimally Invasive Neurosurgery Center
Movement Disorders Center
Neurocritical Care Center
Neuromuscular Center
Neuropsychiatry Center
Neuroscience Nursing Practice Center
Neurological Outcomes Center
Rainbow Neurological Center
Spinal Neurosurgery Center
Stroke and Cerebrovascular Center
Translational Neurosciences Center

Our pioneering treatments include:

Minimally invasive neurosurgery – Stereotactic radiosurgery is a revolutionary technology that precisely locates and treats tumors without the need for an incision. Using the very latest equipment — the Gamma Knife and CyberKnife® — our internationally recognized physicians are able to provide safe and effective therapy for a broad range of tumors and vascular malformations once considered untreatable.

Deep brain stimulation (DBS) – A procedure used to treat disabling neurological symptoms that can't be controlled well with medications. It is used most often for Parkinson's disease and essential tremor. We are the first in North America to offer this treatment to patients with Tourette syndrome.

Superior new therapies for epilepsy – Our researchers have developed and refined numerous effective therapies for epilepsy that allow a high percentage of patients to become seizure free. The National Association of Epilepsy Centers has given our center its highest rating (Level IV).

Neurological Institute epilepsy experts train other neurosurgeons around the world to make the most advanced surgical techniques available globally.

Minimally invasive spine surgery – Our team specializes in minimally invasive spine surgery that results in less discomfort, shorter recovery times and improved results for our patients.

Diaphragmatic stimulation and pacing – A promising new treatment for respiratory failure in people with ALS. Our nationally known team pioneered this implantable device, which was used to successfully treat the late actor, Christopher Reeve.

Endovascular treatment for stroke and aneurysms – Provides a less invasive form of treatment for blood vessel disorders that may lower risk and shorten recovery times.

