



DukeHealth

Advanced Neurosciences Care at Duke Health

Expertise for Your Most Complex Adult and Pediatric Neurological Conditions

Duke Health is recognized for its expertise in spine and neurosurgery, providing state-of-the-art, interdisciplinary care for conditions such as brain tumors, epilepsy, stroke, Parkinson disease, spinal tumors, spine trauma and deformity, and degenerative disc disease, using advanced technologies and minimally invasive techniques.

Areas of Clinical Expertise

Duke Neurosciences & Spine offers the latest advanced medical and surgical treatments for adult and pediatric patients, including deep brain stimulation, laser interstitial thermal therapy, awake brain surgery, stereotactic radiosurgery, and minimally invasive spine procedures, supported by leading innovations in epilepsy, movement disorders, and neurodiagnostic care.

Specialty programs include:

- Brain and Spine Tumor
- Cerebrovascular Diseases and Stroke
- Epilepsy
- Movement Disorders and Tremors
- Normal Pressure Hydrocephalus and Cerebrospinal Fluid Disorders
- Physiatry
- Pituitary Tumors
- Spine Trauma and Deformity
- Spine Tumors

Why Choose Duke Health?



Advanced neurosurgical technologies, including deep brain stimulation, laser interstitial thermal therapy, high-intensity focused ultrasound, stereotactic radiosurgery, and responsive neurostimulation



Leader in minimally invasive solutions to spine pathology, including endoscopic and awake spine surgery



Designated Level 4 Epilepsy Center by the National Association of Epilepsy Centers



One of the few centers in the U.S. with the expertise to diagnose and treat cerebrospinal fluid leaks



Program Spotlight

Advancing Hope Through Brain Tumor Research

The Preston Robert Tisch Brain Tumor Center is helping shape the future of neuro-oncology through groundbreaking research and innovation. Researchers helped develop multiple cancer immunotherapies, including a genetically engineered poliovirus, and were instrumental in advancing bevacizumab for brain tumor treatment. Ongoing research focuses on novel therapies that target aggressive and treatment-resistant tumors to improve outcomes for patients worldwide.



Scan to explore the Center's research, clinical trials, and therapeutic innovations.



DukeHealth

Welcoming Patients Worldwide

Durham, North Carolina, is a different kind of U.S. care destination. International patients find the city welcoming and easy to navigate, with convenient airport access and a mild climate.



Scan the QR code to refer a patient.

DukeHealth.org/International