

Brain Tumor and Neuro-Oncology Center

CENTER/INSTITUTE	University Hospitals Seidman Cancer Center
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APPOINTMENT LINE	Please call 216-844-6054, option 3. For hospital transfers, please call 216-844-1111.

Conditions Treated

- Primary brain tumors
 - Glioblastoma multiforme (GBM) , astrocytoma, oligodendroglioma, ependymoma, hemangioblastoma, meningioma, schwannoma, pituitary adenoma, medulloblastoma, pilocytic astrocytoma, ganglioglioma, pleomorphic xanthrocytoma (PXA)
- Pineal neoplasms
- Skull base tumors (chordoma, chondrosarcoma)
- Metastatic brain tumors
- Leptomeningeal metastasis
- Spine tumors (primary and metastatic)
- Peripheral nerves tumors
- Neurofibromatosis
- Radiation necrosis of the brain

Therapies

- Image-guided (stereotactic) surgery
- Skull base surgery
- Minimally invasive techniques (keyhole surgery)
- Laser interstitial thermotherapy (LITT) and stereotactic laser ablation (SLA)
- Stereotactic radiosurgery: Gamma Knife® radiosurgery for brain tumors
- Proton therapy
- Convection enhanced delivery
- Chemotherapy
- Radiotherapy
- Immunotherapy
- Stem cell therapies
- Cell-based therapies
- Gene therapy
- Antiangiogenic therapy
- Hyperbaric oxygen for radiation necrosis

Distinguishing Features

- Part of NCI-designated Case Comprehensive Cancer Center
- Multidisciplinary consultation with disease-specific tumor boards
- Personalized therapies incorporating genetic and genomic analysis and genomic tumor board
- National leadership in clinical trials: Adult Brain Tumor Consortium (ABTC) and NRG
- 3T intraoperative MRI (iMRI) and Surgical Theater Rehearsal Platform for patient-specific surgical rehearsal
- Advanced imaging including MRI, MRA, PET-MRI and MR fingerprinting
- Genetic risk assessment to guide preventive strategies in cancer-prone families
- Validated nomograms for patient-specific prognosis
- Supportive and Integrative Oncology and Adolescent and Young Adult (AYA) cancer programs

About UH Cleveland Medical Center

At the core of University Hospitals' \$4 billion health system is UH Cleveland Medical Center, ranked among America's best hospitals by U.S. News & World Report. UH Cleveland Medical Center is home to some of the most prestigious clinical and research programs in the nation, including cancer, pediatrics, women's health, orthopedics, radiology, neuroscience, cardiology and cardiovascular surgery, digestive health, transplantation and genetics. Its main campus includes UH Rainbow Babies & Children's Hospital, ranked among the top children's hospitals in the nation; UH MacDonald Women's Hospital, Ohio's only hospital for women; and UH Seidman Cancer Center, part of the NCI-designated Case Comprehensive Cancer Center at Case Western Reserve University.