With the incidence of primary brain cancer increasing across the nation, Spectrum Health’s comprehensive Brain & Spine Tumor Center improves the quality and efficiency of care available in West Michigan and allows patients to remain closer to home, family and community support systems.

We offer highly specialized, interdisciplinary care for adult patients diagnosed with primary and metastatic tumors of the brain and spine.

Our team provides the most advanced and innovative treatment options, including new, emerging and experimental therapies, using a coordinated, expedited and patient-centric care model.

The Brain & Spine Tumor Center is located in Grand Rapids. We offer neurosurgery outpatient clinic locations in Fremont, Greenville, Holland and Reed City.
Nurse Navigation
A dedicated neuro-oncology nurse navigator coordinates care and services, provides education and support, and guides your patient and his or her family through the entire treatment process.

Behavioral Oncology/Supportive Care Medicine
Screening, support, counseling and behavioral medication management services are integrated into your patient’s treatment plan to help minimize the impact of emotional, psychological and psychosocial distress that can accompany a brain tumor diagnosis.

Advanced Technologies and Techniques

- 3 Tesla MRI
- Functional MRI (fMRI)
- MRI spectroscopy (MRSpect)
- 3-D neuroimaging (NeuroQuant®)

Surgery

- Awake craniotomy with brain mapping for eloquent area tumors
- Intraoperative neurophysiological monitoring
- Intraoperative MRI (iMRI)
- Laser thermocoagulation
- Microsurgical techniques
- MRI-guided laser technology (VisuAlase)
- Neuroendoscopy for skull base tumors
- Spinal reconstruction for destructive tumors
- Surgical imaging system (O-Arm®)
- Surgical navigation system (StealthStation®)

Radiation therapy

- Image guided radiation therapy (IGRT)
- Intensity modulated radiation therapy (IMRT)
- Stereotactic body radiation therapy (SBRT)
- Stereotactic radiosurgery system (Novalis Tx®)

Chemotherapy

- See Neuro-Oncology, next page

Tumor Treating Fields (TTF) therapy