Techniques Available

- Intraoperative 3T MRI and CT
- Image-guided surgery
- Full range of advanced microscopic and endoscopic techniques
- Advanced imaging including 3T and 7T MRI, PET, SPECT, MEG, angiography, neurointerventional techniques
- Proton Beam and Photon Radiotherapy
- Advanced Pediatric Neuro-Intensive Care in our PICU and Pediatric Neuroscience Outpatient and Inpatient programs
- Close collaboration with Spaulding Rehabilitation Hospital

Special Clinics and Multidisciplinary Teams

- Head Shapes Clinic (for positional molding or other head shape questions)
- Youth Sports Concussion Clinic
- Craniofacial Clinic
- Brain and Spinal Tumor and Proton team
- Pediatric Epilepsy team
- Pediatric Trauma team

Contact Information

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William Butler, M.D.
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Brittany Stockley- Assistant

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Please feel free to call with any questions or concerns we are always available to help!

MGH Pediatric Neurosurgery

The Pediatric Neurosurgery group at MassGeneral for Children provides comprehensive care for pediatric patients needing all types of neurosurgical evaluation and treatment. We are committed to rapid access and availability, excellence in evaluation and surgical care, a family-centered approach, and clear communication with referring providers.
OUR TEAM:

Ann-Christine (Tina) Duhaime, MD
William Butler, MD
Sharon Haire, RN, MSN, PNP, Elizabeth Shannon, RN, PhD, PNP, Brittany Stockley, Jennifer Collier, and nearly twenty MGH Neurosurgery Residents provide 24 hour coverage for pediatric patients needing neurosurgery care.

CONDITIONS TREATED BY OUR GROUP INCLUDE:

- Brain and spinal cord tumors
- Congenital anomalies of the brain, including Chiari malformation, brain cysts, Dandy-Walker syndrome, encephaloceles, dermal sinus tracts, meningoceles
- Congenital spine problems including tethered spinal cord, myelomeningocele, syringomyelia, dermal sinus tracts, diastomatomyelia
- Skull lesions including dermoid cysts, skull tumors, fibrous dysplasia, skull defects
- Functional Neurosurgery including complex pediatric epilepsy (focal resection, temporal lobectomy, corpus callosotomy, hemispheric disconnection, vagus nerve stimulator placement), spasticity procedures including selective dorsal rhizotomy, and Deep Brain Stimulation for movement and selected behavioral disorders
- Craniofacial surgery for craniosynostosis, acquired and congenital cranial deformities, skull base surgery
- Acute head and spinal cord injury
- Hydrocephalus and brain cysts
- Vascular problems including arteriovenous malformation, cavernous malformation, aneurysms, intracranial hemorrhage, and moyamoya disease