



Duke Pediatric Neurosurgery Program

Rapid access and short wait times



Comprehensive care for children with neurologic conditions



Level 1 Children's Surgery Center

Overview

Neurological conditions that require surgery can be life-altering for children and their families. Our pediatric neurosurgeons are nationally recognized for their expertise in diagnosing and treating the full spectrum of complex neurological disorders in infants, children, and adolescents. Using advanced techniques such as intraoperative MRI, laser therapy for epilepsy, neuroendoscopy to minimize shunt use, and state-of-the-art neuromonitoring, we strive to make each procedure as precise and safe as possible.

Our experienced team offers the full spectrum of care for patients who need surgery for neurological conditions, including, but not limited to:

- Arachnoid cysts
- Arteriovenous malformations
- Brachial plexus birth palsy injury
- Brain aneurysms
- Brain tumors and spinal cord tumors
- Cavernoma
- Cerebral palsy and related conditions
- Chiari malformation
- Congenital malformations of the brain and spine
- Craniosynostosis
- Hydrocephalus
- Moyamoya disease
- Neural tube defects (open and closed)
- Neurofibromatosis
- Skull base tumors
- Spasticity
- Spina bifida
- Surgical epilepsy
- Tethered spinal cord
- Vein of Galen malformation (VOGM)

Why Refer to Duke

- Specialists with a wide range of expertise in pediatric neurosurgical subspecialties including vascular, spina bifida, epilepsy, spasticity, peripheral nerve, tumor, Chiari, and hydrocephalus
- Access to innovative clinical trials and cutting-edge treatment options
- Level 1 Children's Surgery Center
- Child life specialists, care coordinators, and multidisciplinary support
- Telemedicine appointments available for appropriate patients

Locations

Duke Children's Hospital and Health Center

2301 Erwin Rd
Durham, NC 27710

Lenox Baker Children's Hospital

3000 Erwin Rd
Durham, NC 27705

Duke Children's Specialty Services of Greensboro

1126 N Church St, Suite 203
Greensboro, NC 27401

Duke Health Lake Norman Hospital

171 Fairview Rd
Mooresville, NC 28117

To refer a patient, log in to [Duke MedLink](#) or call 919-684-5013.

For neurological evaluation, call our children's specialty line at 919-668-4000.

