

# FAST FACTS



Carilion Clinic Neurosurgery includes fellowship-trained neurosurgeons and specialists who work collaboratively to diagnose and treat patients of all ages. As pioneers of research, we offer state-of-the-art technology and expertise in treating brain tumors, spinal disorders, neurosurgical cancers, movement disorders, endovascular issues and other complex neurological conditions.

## Our Mission

Improve the health of the communities we serve.

## Our Goal

The Department of Neurosurgery is committed to outstanding patient care and improved community health.

## Our Locations

- » Surgical locations at Carilion Roanoke Memorial Hospital, Carilion Franklin Memorial Hospital and Carilion New River Valley Medical Center
- » The Institute for Orthopaedics and Neurosciences
- » Satellite clinics in Giles, Hillsville, Martinsville, Blacksburg and Wytheville

## Our Values



## Our Team

**9**  
Neurosurgeons

**4**  
Nurse Practitioners

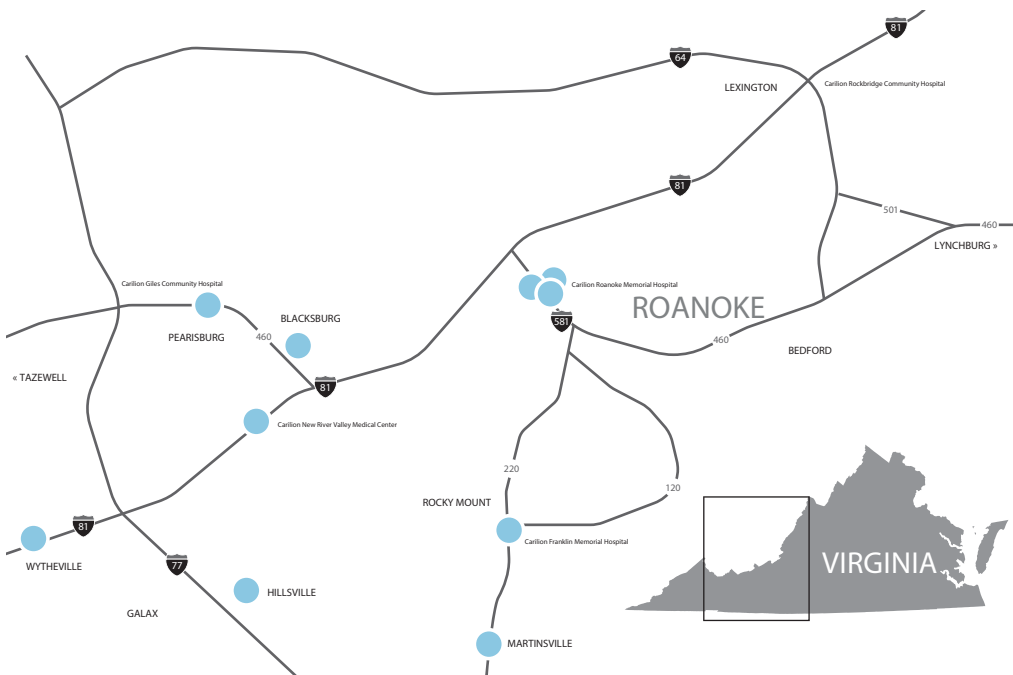
**6**  
Physician Assistants

**7**  
Residents

**45**  
Nurses and Support Staff

**1**  
Research Director

**6**  
Affiliate Faculty from The Virginia Tech Carilion School of Medicine and Fralin Biomedical Research Institute at VTC



## Specialties

- » Tumors
  - Neurosurgical Oncology
  - Skull Base Neurosurgery
- » Pituitary
- » Cerebrovascular Neurosurgery
- » Functional Neurosurgery
- » Spine Neurosurgery
- » Pediatric Neurosurgery
- » Hydrocephalus
- » Neurotrauma

## Experience

- » Team of fellowship-trained neurosurgeons in one of the largest neurosurgery practices in the region
- » Faculty instruction and 7-year residency program at VTC School of Medicine
- » 1,800 clinic visits per month and over 2,400 brain and spine surgeries each year
- » More than 3,000 patient inquiries per month
- » Over 450 new patient referrals per month, serving patients from more than 15 states across the U.S.
- » Top regional destination in outpatient treatment for degenerative spine and disc injury and spinal fracture/dislocation
- » Advanced robotic technology to treat epilepsy, essential tremors and Parkinson's disease, behavioral disorders, brain tumors and pituitary gland tumors

## Research

- » More than 30 active research projects and multiple industry-sponsored clinical trials
- » Developed a repository of donated specimens to be used in research studies to identify new treatment targets for neurosurgical-related conditions and improve patient outcomes
- » Multiple funded grants, including two from the Carilion Research Acceleration Program

## Highlights

### First in Virginia to provide:

- » Deep Brain Stimulation for epilepsy
- » Vagal Nerve Stimulator for treatment-resistant depression and stroke rehabilitation

### First in the region to provide:

- » Focused Ultrasound, an incisionless treatment for essential tremor and tremor-dominant Parkinson's disease
- » Advanced Thrombectomy-Capable Stroke Center at Carilion Roanoke Memorial Hospital
- » Prestigious Level 4 Epilepsy Center designation at Carilion Roanoke Memorial Hospital
- » Ranked "High Performing" for stroke at Carilion Roanoke Memorial Hospital by *U.S. News & World Report*



The Joint Commission



American Heart Association  
American Stroke Association

CERTIFICATION

Meets standards for  
Thrombectomy-Capable  
Stroke Centers



LEVEL 4 EPILEPSY CENTER



STROKE