

# Neurosurgery



## Services

**T**he members of the Division of Neurosurgery at the University of Texas Medical Branch at Galveston are committed to excellence in the care of the neurosurgical patients in an optimal and safe environment characterized by the highest ethical standards. We offer a full range of services to our patients in an attempt to meet their healthcare needs. The division prides itself on the incorporation of new technologies into the surgical care of patients, resulting in better outcomes, a safer environment, and improved quality of life for our patients.

The list below is a partial outline of some of the services we offer.

### **Cranial**

#### **Neurovascular**

- Cerebral aneurysm
- Subarachnoid hemorrhage
- Arteriovenous malformation
- Intracerebral hemorrhage

#### **Adult hydrocephalus**

- Normal pressure hydrocephalus
- Communicating hydrocephalus

- Obstructive hydrocephalus
- Ventricular shunts

### **Tumor**

- Glial tumors
- Meningiomas
- Skull base tumors
- Pituitary tumors and disorders
- Metastatic disease

### **Stereotactic/Functional**

- Brain biopsy
- Stereotactic radiosurgery
- Deep brain stimulation
- Vagal nerve stimulation

### **Spine**

- Degenerative spine disease
- Cervical and lumbar stenosis
- Neurogenic claudication
- Cervical, thoracic, and lumbar herniated disc
- Syringomyelia
- Spine and spinal cord tumors
- Chiari malformation
- Spinal instability

### **Pain**

- Pain pumps
- Dorsal column stimulation
- Cortical stimulation

### **Pediatric**

- Craniofacial reconstruction (in conjunction with the Division of Plastic Surgery)
- Congenital abnormalities
- Hydrocephalus
- Chiari malformation
- Pediatric brain tumors

### **Peripheral Nerve**

- Carpal tunnel syndrome
- Ulnar nerve entrapment
- Piriformis syndrome

# Surgeons



**Haring J.W. Nauta, M.D., Ph.D.**  
Professor; Chief of Neurosurgery



**Joel T. Patterson, M.D.**  
Assistant Professor



**Aaron Mohanty, M.D.**  
Assistant Professor

**Location:**

The neurosurgery clinic is located on the 6th floor of the University Hospital Clinics building on the UTMB campus.

**Contact Information:**

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