

# Department of Neurosurgery

Website: <http://www.neurosurgery.wustl.edu>

## Courses

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### Clerkship Opportunities

Students may elect to obtain their neurology clerkship experience on the neurosurgery service, or they can choose neurosurgery as part of the surgical specialty rotations. Third-year students participate with the residents and attendings on hospital rounds, evaluate patients in the neurosurgery outpatient department and participate in the neurosurgical operating room. The main objectives of the rotation include: 1) the evaluation of comatose or head-injured patients; 2) clinical presentation, diagnostic work-up and treatment of cervical and lumbar disc disease; and 3) evaluation and treatment of patients with hemorrhagic and ischemic stroke.

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#### **NEURSUR 8101 Neurosurgery (Clinical Elective)**

This course is a prerequisite for the Neurosurgery Advanced Clinical Rotation (ACR). Contact the Course Director for additional information. Credit 4 units.

Typical periods offered: Medicine Year

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#### **NEURSUR 9100 Neurosurgery Advanced Clinical Rotation (ACR)**

The goal of our four-week Advanced Clinical Rotation is to provide an overview of neurological surgery for medical students planning to apply for neurosurgery residency in the next year. The ACR takes place on the campus of Washington University School of Medicine, and at nationally ranked Barnes-Jewish Hospital and St. Louis Children's Hospital. **Enrolled students must first complete the neurosurgery elective** and will choose one of our neurosurgical services to spend four weeks on for the ACR: pediatric neurosurgery, spinal neurosurgery, functional/vascular neurosurgery, or neurosurgical oncology/skull-base surgery. The team on each service consists of multiple faculty who are pioneers in their field, one chief resident, one senior-level resident, and one junior-level resident. During the ACR, the medical student will: participate in patient work-ups, pre-, intra- and postoperative care, and diagnostic procedures; scrub in cases with senior level and chief residents and assist with neurosurgical procedures and observe the more critical portions of these procedures; learn how to perform basic neurosurgical procedures such as lumbar punctures, ICP monitor placement, and ventricular drain placement; spend at least one day in an outpatient neurosurgery office setting; take overnight call; and spend a week on the pediatric service at St. Louis Children's Hospital. They are also encouraged to participate in Grand Rounds, Neurosurgery Resident Curriculum conference, and Journal Club with the neurosurgery residents.

Credit 4 units.

Typical periods offered: Medicine Year

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