NEUROSURGERY
Course Name and Number: Clinical Neurosurgery (ILH) NSURG 418.

Faculty:
Dr. Frank Culicchia
Dr. David Kline
Dr. Gabriel Tender
Dr. John Steck
Dr. Robert Dawson
Dr. Jason Wilson
Dr. Joseph Nadell
Dr. Lori McBride
Dr. O. Adetola Roberts
Dr. Clarence Green

Duration: 4 weeks
Availability: Any block
Number of Students: 2

Objectives: The objective of this elective is to provide further clinical exposure to Neurosurgery than is obtainable during the usual senior neuroscience course. Students should be able to recognize an acute neurosurgical emergency and become familiar with the management of:

1. Closed head injury
2. Spinal injuries and the management of the unstable spine
3. Cervical, thoracic and lumbar radiculopathy
4. Subarachnoid, subdural, epidural and intracerebral hemorrhage
5. Carotid occlusive disease and management of TIA’s
6. Primary and metastatic intracranial and spinal neoplasia

Means of Implementation:

This clinical clerkship allow students considering a residency in neurological surgery to assist faculty and residents in all aspects of the neurosurgery service, as well as interact with faculty from other departments who regularly work with the Department of Neurological Surgery. A clerkship is highly recommended for students interested in applying to the LSUHSC Department of Neurosurgery Residency training program. Students become an integral part of the Neurosurgery service, assisting members of the house staff and faculty. Activities include ward and ICU rounds, assisting in the OR, taking night call, and attending grand rounds and other teaching conferences. This rotation amounts to a “sub internship” in Neurosurgery and offers the motivated student an excellent opportunity to contribute to an active Neurosurgery service. The student will share in the work-up and care of patients at West Jefferson medical Center, University Medical Center and Children’s Hospital.

Method of Evaluation:

The student’s performance in executing clinical responsibilities will be evaluated by the full-time and part-time teaching staff, as well as input from the Neurosurgery residents. No formal written or oral examinations are given at the end of the clerkship. Students are encouraged to present during neurosurgery grand rounds at the end of their rotation.
Course Name and Number: Neurosurgical Research (ILH) NSURG 425

Faculty:
Dr. Ludmila Belayev

Duration: 4 weeks
Availability: Any block
Number of students: 1

Objectives:
This course offers an introduction to neurosurgical research conducted in the LSU neurosurgical laboratories.

Means of Implementation:
The student will participate directly in experiments involving animal models of the ischemic and hemorrhagic stroke and also traumatic brain injury (TBI). The student will also learn how to conduct different behavioral tests on animals after stroke and TBI.

Method of Evaluation:
Under evaluation, the student will be expected to review the literature concerning each project and participate in laboratory meetings. The opportunity will be provided for the student if he or she wishes to begin their own research project. In their evaluation, the student will be expected to demonstrate acceptable progress in grasping current research and formulating new and feasible ideas, and his or her progress will be evaluated by the research faculty and staff.