

FOURTH YEAR ELECTIVE TITLE NEUROSURGERY		COURSE NUMBER SURG 9080	LOCATION ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL
ELECTIVE DIRECTOR Shabbar Danish, MD	ELECTIVE FACULTY Anil Nanda, MD Shabbar Danish, MD Gaurav Gupta, MD Simon Hanft, MD Hai Sun, MD Stephen Johnson, MD	ELECTIVE CONTACT Shabbar Danish RWJMS Neurosurgery Plum 5 th Floor Sherry Macwhinney	CONTACT PHONE/FAX/EMAIL PH. 732-235-6333 macwhisk@rutgers.edu
BLOCKS AVAILABLE ALL	DURATION/WEEKS MIN 2; MAX 4	HOURS PER WEEK VARIABLE	STUDENTS MAX 1
LECTURES/SEMINARS YES	OUTPATIENT YES (80%)	INPATIENT YES	HOUSESTAFF YES
NIGHT CALL NO	WEEKENDS NO	LAB OPTIONAL	EXAM REQUIRED NO

**** PRIOR WRITTEN APPROVAL FROM MS. JONI MARANO IS REQUIRED FOR STUDENTS TO TAKE THIS ELECTIVE ****

OVERALL EDUCATIONAL GOAL OF ELECTIVE

The overall goals of the Neurosurgery elective for students are:

- Be the "first evaluator" of patient who presents to the Neurosurgical service for an elective or acute surgical problem
- Perform complete history and physical examinations on new Admissions to the Neurosurgery service
- Independently establish a differential diagnosis
- Write admitting and daily patient diagnostic and therapeutic orders, under the supervision of a resident, physician assistant and/or attending physician
- Evaluate patients on a daily basis on morning rounds, and serve as the principle care giver, under the direct supervision of a resident, physician assistant and attending physician
- Develop clinical and procedural skills necessary to the management of the Neurosurgery patient
- Develop skills required for interdisciplinary patient care

This elective is designed to give the student an opportunity to work closely with the attending Neurosurgeons and Neurosurgery residents, giving perioperative or non-operative care to patients who require Neurosurgery. That goal is accomplished through a one-to-one relationship with a Neurosurgeon, who will assign selected patients for work-up, topics for study, and attendance at specific operations. This will allow the student to better understand his/her responsibilities in the residency years. Literature review and preparation for conference will help improve students understanding of Neurosurgery.

OBJECTIVES

Patient Care

To learn a thorough history and physical exam and develop and execute patient care plans appropriate for a Neurosurgery patient. When indicated, students should pre-round on their patients, anticipate care needs, present patients on round and discuss patient progress or complications. They should be involved in all aspects of ongoing care for these patients.

Medical Knowledge

To identify common Neurosurgery problems necessitating surgical intervention. The students should review their operating room cases preoperatively and know the relevant anatomy.

Practice-based Learning and Improvement

Investigation and evaluation of their own patient care. Recognize and apply evidence-based medicine and strive for improvements in patient care. One should critique personal practice outcomes and demonstrate recognition of the importance of lifelong learning in surgical practice.

Interpersonal and Communication Skills

Develop effective information exchange with patients, their families and other health care professionals. This includes counseling and educating patients and families and effectively documenting practice activities.

Professionalism

Maintaining high standards of ethical behavior and demonstrate sensitivity to age, gender, and culture of patients and other health care professionals.

System-based Practice

Understand how care for the surgical patient affects other health care professionals, the health care organization, and the larger society and how these elements of the system affect their own practice.

BRIEF DESCRIPTION OF ACTIVITIES

This is a two- to four-week experience in which the student will have the opportunity, with supervision, to function as an intern on the Neurosurgery service and to participate in the pre-operative and post-operative care of the Neurosurgery Service patients. Students will function as a member of a team and will be expected to participate in daily morning and evening rounds (including weekends), office hours as scheduled operations for their service and call as assigned. Typical service schedules will be available on the first day of the rotation.

METHOD OF STUDENT EVALUATION

Faculty and Residents will assess student performance in the competency areas described above. No written tests are required.

ARE THERE ANY PREREQUISITES FOR THIS ELECTIVE? Yes, Surgery Clerkship

IS THIS ELECTIVE AVAILABLE TO THIRD YEAR MEDICAL STUDENTS AS WELL? Yes