

<b>Fourth-Year Elective Title</b>		<b>Course Number</b>	<b>Location</b>
Subspecialty Subinternship in Neurosurgery		SURG 9286	RWJUH
<b>Elective Director</b>	<b>Elective Faculty</b>	<b>Elective Contact</b>	<b>Contact Info</b>
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<b>Blocks Available</b>	<b>Duration/Weeks</b>	<b>Hours per Week</b>	<b>Students</b>
All	Min: 4 Max: 4	Variable	Max: 2
<b>Lectures/Seminars</b>	<b>Outpatient</b>	<b>Inpatient</b>	<b>House Staff</b>
Yes	Yes (25%)	Yes	Yes
<b>Night Call</b>	<b>Weekends</b>	<b>Lab</b>	<b>Exam Required</b>
Yes	Yes	No	No

**This course does not satisfy the 4<sup>th</sup>-year sub-internship core requirement.**

### Overall Educational Goal of Elective:

The overall goals of the surgery sub-internship are for students to:

- ✓ Be the "first evaluator" of patient who presents to the surgical service for an elective or acute surgical problem or for traumatic injury
- ✓ Perform complete history and physical examinations on new admissions
- ✓ Independently establish a differential diagnosis
- ✓ Write admitting and daily patient diagnostic and therapeutic orders, under the supervision of a resident 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 and attending physician
- ✓ Develop clinical and procedural skills necessary to the management of the surgical patient including:
  - placement of ICP bolt
  - Placement of ventriculostomy
  - Placement of lumbar drain
  - IV/central lines/arterial lines
- ✓ Develop skills required for interdisciplinary patient care
- ✓ Participate in the education of junior medical students on the team

## Objectives:

- I. Patient care:
  - a. Be the “first evaluator” of patient who presents to the surgical service for an elective or acute surgical problem or for traumatic injury
  - b. Perform complete history and physical examinations on new admissions
  - c. Independently establish a differential diagnosis
  - d. Write admitting and daily patient diagnostic and therapeutic orders, under the supervision of a resident and/or attending physician
  - e. Evaluate patients on a daily basis on morning rounds, and serve as the principle care giver, under the direct supervision of a resident and attending physician
- II. Medical knowledge:
  - a. Demonstrate knowledge of pathology and pathophysiology of major organ systems that are seen in various surgical diseases or that can result from traumatic injury
  - b. Identify, assess and manage life-threatening surgical emergencies, including traumatic injury
  - c. Assess pain and recommend appropriate management strategies for ameliorate suffering
- III. Practice-based learning and improvement:
  - a. Demonstrate and ability to improve their knowledge, skills and attitudes as needed, based on directed feedback
  - b. Demonstrate evidence-cases decision making with regard to patient care
- IV. Interpersonal and communication skills:
  - a. Relate well to patients, staff, team and faculty
  - b. Develop communication strategies to address sensitive, technically complex or distressing situations with patients and their families
  - c. Recognize the principles of, and participate in, the obtaining of informed consent
- V. Professionalism:
  - a. Demonstrate appropriate behaviors, including respect, honest and acknowledgement of any deficiencies in knowledge or skills
  - b. Demonstrate sensitivity to patient’s culture, age, gender and disabilities
  - c. Demonstrate commitment to patient care and daily plan
- VI. Systems-based Practice:
  - a. Demonstrate and improve their understanding of the social, economic, and other influences on their patients’ health care and behaviors
  - b. Learn and follow relevant practice guidelines
  - c. Advocate for quality patient care
  - d. Participate in morbidity and mortality conference
  - e. Practice appropriate resource allocation

## Brief Description of Activities:

This is a four-week experience in which the student will have the opportunity, with supervision, to function as a junior resident on the surgical service and to participate in the pre-operative and post-operative care of a variety of neurosurgical patients as well as the assessment and management of the acutely injured patient. Student will assigned to one of several neurosurgical responsibilities, over a four-week experience. The student will spend time in:

- ✓ Managing floor/ER patients
- ✓ Operating room
- ✓ Clinic
- ✓ Neurocritical Care

- ✓ Neurointerventional Service
- ✓ Gamma Knife Suite

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, scheduled operations for their service, and call as assigned.

**Method of Student Evaluation:**

**Are there any prerequisites for this elective?** No  Yes ; please specify:

**Is this elective available to third year medical students as well?** No  Yes \*

\*For third year students, this will be limited to the final few blocks of the year, and only with permission from the Sub-I Director.