

NEURORADIOLOGY

Credit: All

Location: LAC+USC Medical Center,
Imaging Science Center & USC University Hospital

Revised: 4/1/07

Applications will be accepted beginning February 1st of Year III on a first-come, first-serve basis

PREREQUISITE: None

DURATION: 3-4 weeks

DATES OFFERED: All Year

Rotation scheduled: to begin any Monday

NUMBER OF STUDENTS: 6

VISITING STUDENTS: Yes

SUPERVISION:

80% Faculty

20% Residents

COURSE OBJECTIVES:

Students will be able to:

1. Identify the basic neuroanatomy.
2. Discuss disease processes of the brain and spine.
3. Describe basic concepts of neuroanatomy and neurophysiology and link them with imaging studies.
4. Understand the basic imaging and protocols of CT and MRI and describe the indication and contraindications based on patient symptoms and select the most appropriate study/studies.
5. Discuss the range and scope of diagnosis and management decisions made by neuroradiologists.
6. Discuss how to interpret imaging data and how to use it to arrive at an appropriate diagnosis.
7. Describe the relative cost of imaging studies.
8. Educate patients about contraindications related to MRI and to contrast materials used CT or MRI.
9. Respect patient privacy, particularly in relation to discussion of imaging findings.
10. Describe the working relationship between radiologists and clinicians and be able to interact effectively with radiologists.

DESCRIPTION:

At the beginning of the rotation, students will be assigned a specific attending to shadow everyday for the duration of the rotation. For residency interviews, please present a copy of the email interview confirmation along with an absence request form. You can make-up two additional absences by coming in during the weekend to work with our Neuroradiology attending at the county hospital, Room 3750A. If you miss more than five (5) days, you will NOT receive credit for the rotation. At the end of your rotation, you will be asked to prepare a report on a specific subject on the Neuroradiology anatomy assigned by one of our attendings. One-on-one with attending and residents during readout sessions daily at three of our facilities: LAC+USC, Medical Imaging Science Center, and at the USC University Hospital – basement of MRI. One journal review from a radiology journal will be required. Special interests in angiography may be arranged with the Division of Neuroradiology during their rotation

EVALUATION:

Students will be informed of expectations and methods of evaluation on the first day of their rotation and will be given a schedule which includes daily assignments, readouts, and conferences. Students will be evaluated on their performance by Dr. Chi-Shing Zee upon completion of the rotation. Students will receive feedback on their performance during daily one-on-one readout sessions with neuroradiology attendings.