

## **NEURORADIOLOGY**

### **Department of Radiology**

## **SCOPE OF PRACTICE**

### **PGY-6**

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- Develop understanding of neuro-anatomy, basic physiology and disease processes of the central nervous system (CNS), spine and head & neck (paranasal sinuses, orbits, skull base, temporal bone and neck).
- Become knowledgeable early in the year as to which imaging study to perform for the workup of patients with symptoms of CNS, spine and H&N disease and knowledgeable regarding specific parameters of the scan protocols. Protocol most of the requested imaging studies.
- Organize studies for interpretation daily, help radiology residents on neuroradiology rotation, review the studies with the neuroradiology attending physician, and dictate the exams.
- Develop skills in accurately interpreting CT, MRI, myelographic and angiographic exams in neuroradiology.
- With supervision, develop skills at performing myelography, epidural and other spinal injections, and cerebral angiography. Toward the end of the first year, may perform spinal angiography, vertebroplasty and other advanced spinal procedures with supervision and assistance. May also have opportunities to participate in endovascular interventional procedures.
- With supervision, develop skills for performing biopsies of the vertebral bodies, intervertebral discs, paraspinal regions and neck using fluoroscopic or CT guidance.
- Provide appropriate moderate sedation to the patients undergoing invasive procedures.
- Provide consultation with referring physicians needing to review neuroradiologic studies.
- Participate in teaching the radiology residents on the neuroradiology rotation as well as by giving 1-2 lectures. Participate in teaching the medical students as well as residents and fellows from other departments while on neuroradiology rotation.

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- Participate in departmental and interdepartmental conferences, including presenting at interdepartmental conferences.
- For those individuals electing to do a second year of neuroradiology fellowship, this year will be a time of refinement of interpretative and technical skills learned during the first year and deepening of his or her knowledge base in this subspecialty of radiology. The second year fellow will function more independently, shouldering more responsibility for the daily running of the neuroradiology section and teaching and assisting the first year fellow and resident(s) on the service. He/she may have opportunities to participate in functional imaging of the brain and advanced interventional neuroradiology procedures.