

## NUCLEAR MEDICINE ROTATION #4 (PGY-4 or 5)

Welcome. On the last day of the rotation (not the next day or the next week or the next month) please put copies of the following forms in a folder and deliver to the faculty office in Nuclear Medicine.

1. Documentation of radiopharmacy training received from Dr. Vivian Loveless.
2. Documentation of radioiodine therapies.
3. Case log for the month with both horizontal and vertical columns totaled.
4. Documentation of Nuclear Medicine Technology Training.

### GOALS

By the end of the fourth Nuclear Medicine Rotation, residents are expected to expand and cultivate skills and knowledge learned during previous training and to achieve the following objectives based on the six general competencies. The fourth year resident will demonstrate achieved objectives in year one, two, and three with expanded knowledge, more efficiency in performance of procedures, and additional knowledge in pathophysiology encompassing more complex disorders. The resident should exhibit an increasing level of responsibility and independency as he or she progresses throughout the year.

### COMPETENCE-BASED OBJECTIVES

#### Patient Care

1. Review the patient histories to determine the relevance of the study and consult with the technologist & radiologist to about the proper technique. When the technologists enter the room, try to answer their questions before the radiologist.
2. Observe the list of procedures performed by technologists as listed on the provided form. The form is on the Reference page of the Residency Website. This entire form should be completed once during your 4 months of Nuclear Radiology. The mornings in Nuclear Medicine are a much better time for this type of work because most of the day's studies are read in the late morning and afternoon.
3. Maintain case log of all studies in which you provide a preliminary report or dictate the final report. The case log is on the Reference page of the Residency Website.
4. While on the VA rotation, on Tuesday, Wednesday, & Thursday, spend the morning after conference from 10 am until lunch reading PET/CT with Dr. David Archie. After that, join Dr. Mohammed Moinuddin in his practice of general nuclear medicine.
5. Document radioiodine therapies on the provided form during the month. You will need documentation of 3 low-dose and 3 high-dose therapies. The form for this documentation is on the Reference page of the Residency Website.

#### Medical Knowledge

1. Review cases at MIR Nuclear Medicine Teaching File @ <http://gamma.wustl.edu/allunknown.html> This is a thorough review of Nuclear Radiology.
2. Attend Nuclear Pharmacy Lab with Dr. Vivian Loveless. Schedule this with her at the beginning of the block at a time convenient to her and the other residents on NM at MUH and the VA. Her office number is 448-6931 and her email is [vloveless@uthsc.edu](mailto:vloveless@uthsc.edu). Please coordinate so we only ask Dr. Loveless to do this once a month. Be sure only 4 residents (not more) attend this lab each month. Also, Dr. Loveless has a 9 question quiz she would like you to complete prior to attending her lab. This is found on the Reference page of the Residency Website.

#### Practice-Based Learning and Improvement

1. The resident should demonstrate evidence of independent reading and learning through the use of printed and electronic sources. In particular the resident should utilize Stat Dx & RSNA Physics Modules.
2. The resident should be competent in using the nuclear medicine PACS and instruct others in its use.

#### Interpersonal and Communication Skills

1. The resident should teach junior residents to communicate effectively results of studies to referring clinicians. For emergent studies, such communication should be documented in the dictation or preliminary note with the date, time, and name of doctor or nurse.
2. The resident should teach junior resident how to use the dictation templates created by the faculty.

**Professionalism**

1. Resident should utilize the ACR Appropriateness Criteria when recommending examinations and instruct others in its use.
2. Resident should dress appropriately at work, wearing a name badge at all times. A white coat should be worn by the resident in Nuclear Medicine when examining or counseling the patient.

**Systems-Based Practice**

1. Residents should dictate and correct their reports in a timely fashion to avoid delay in patient disposition.
2. Residents should attend the multidisciplinary conferences at each hospital. The Methodist Tumor Board occurs on some Wednesdays. At the VA on Thursday, attend the mid-day Tumor Board. Also at the VA on Fridays, attend the MTOC from 11:00-11:45 am before going to the Med Conference or the UT Systems Based Conference at noon.
3. Suggestions to improve methods and systems utilized in radiology should be made whenever appropriate.

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**Professionalism**

1. Residents should observe ethical principles when recommending further work-up for cases.
2. Promptness and availability at work are expected of every resident.
3. Residents should dress appropriately at work, wearing a name badge at all times.
4. Patient confidentiality should be observed at all times.
5. Nuclear Medicine technologists and other health workers should be treated with respect and part of the health care team.

**Systems-Based Practice**

1. Residents should dictate and correct their reports in a timely fashion to avoid delay in patient disposition.
2. Residents should assist in facilitating examinations whenever possible.
3. Resident should recognize the role that nuclear medicine plays in the management of patient's illness and make proper recommendations when needed.
4. Suggestions to improve methods and systems utilized in radiology should be made whenever appropriate.