



DIAGNOSTIC IMAGING and NUCLEAR MEDICINE

Goals: The goal of the Diagnostic Imaging and Nuclear Medicine content is to provide learning opportunities that will enable students to develop the knowledge, skills, and necessary to:

1. Identify the indications for specific imaging tests ordered in primary care.
2. Use imaging services efficiently and appropriately.
3. Comprehend reports provided by radiologists.
4. Identify those images read in primary care.

Objectives: Upon completion of this experience, the student will demonstrate the ability to:

1. Summarize, especially for the radiologist, the patient's pertinent history and physical findings.
2. Determine the urgency of the patient's need for radiologic imaging.
3. Write clear orders for the indicated test.
4. Plan the preparation of the patient for the examination ordered.
5. Avoid ordering more than or less than the optimal test.
6. Define specific terms used in reports.
7. Respond to the reports so as to maximally benefit the patient.
8. Read plain x-rays of the chest and abdomen.
9. Diagnose fractures on plain x-ray views.
14. Identify on those films evidence of osteoarthritis, osteolytic, or osteoblastic lesions.
15. Define in osteopathic clinical skills that allow an osteopathic physician to determine the need for or rule out the need for further diagnostic testing including but not limited to:
 - a. Palpation.
 - b. Visualization / inspection.
 - c. Passive and active range of motion and/or resistance.
 - d. Accomplished neuromusculoskeletal exam
16. Demonstrate proficiency in performing the following techniques and procedures:
 - a. Recognizing indications and preparing for procedures, including: nuclear imaging, CAT Scan, and MRI.
 - b. Reading plain films of chest, abdomen, and extremities.
 - c. Recognizing fractures on x-ray.