



California School of Podiatric Medicine

4th YEAR MEDICAL IMAGING GOALS AND OBJECTIVES

SAMUEL MERRITT COLLEGE

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Goal

To increase competency in radiographic interpretation, including, but not limited to the following imaging modalities: x-ray, CT, MRI, ultrasound, arteriography, MRA and scintigraphy.

Objectives

Interpret, review and discuss the following minimum number of diagnostic images:

- 100 foot and ankle radiographs
- 100 non-foot radiographs
- 50 chest x-rays
- 25 MRI's
- 20 abdominal CT's
- 20 arteriograms
- 20 bone scans, labeled leukocyte scans
- 20 musculoskeletal diagnostic ultrasound images

Write a minimum of 25 x-ray reports.

Be prepared to answer questions in an Objective Structured Clinical Examination (OSCE) on the following imaging topics:

- Radiographic anatomy of the foot and ankle
- The arthritides (OA, RA, Seronegatives, SLE, PSS)
- Crystal induced arthropathies, including chronic tophaceous gout
- Bone tumors
- Soft tissue tumors
- Fractures and dislocations of the foot and ankle, including classifications
- Charcot's arthropathy
- Tarsal coalitions
- Osteonecrosis
- Osteochondroses
- Pediatric radiography
- Osteoporosis
- Metabolic bone disease, including acromegaly, Paget's disease of bone
- Infection
- Cardiac and thoracic plain-film imaging