

# MSK INTERN ROTATION

## Musculoskeletal Radiology Rotation I

**Medical Knowledge Based Objectives:** At the end of the rotation the resident should know:

1. Basic bone physiology and fundamental differences in the radiographic findings in trauma, arthritis, neoplasm and metabolic bone disease.
2. Basic principles of examination of musculoskeletal diseases.
3. Indications for plain radiography, computed tomography, MRI, US and bone scan.

**Technical Skills and Patient Care:** At the end of the rotation the resident should be able to:

1. Identify, with a high level of accuracy, most types of fractures.
2. Recognize the commonly used radiographic projections in musculoskeletal radiology.
3. Review musculoskeletal radiographs in a systematic fashion.
4. Identify normal musculoskeletal anatomy and common normal variants.

**Decision Making/Value Judgment Skills (System-based practice, medical knowledge, practice-based learning and improvement):** At the end of the rotation the resident should be able to:

1. Determine whether additional exams in CT, MR, US, or nuclear imaging are indicated.
2. Determine the approximate age of a fracture.
3. Differentiate major disease processes including trauma, arthritis, neoplasm and metabolic disease.

### Reading List:

- Helms C.: Fundamentals of skeletal radiology. 2nd ed.
  - Manaster BJ: Requisites of Musculoskeletal imaging, 3rd ed. (read some of this during first rotation, being with trauma)