

Orthopedic Surgery Clinical Elective

Learner group

4th-year radiology residents with planned musculoskeletal imaging and intervention fellowships, or those with a focused interest in musculoskeletal imaging and intervention

Anticipated numbers

0-2 per year

Length of elective

2 weeks

Clinical contact person (who will arrange schedule)

Penny Atherton (Penny.A.Atherton@hitchcock.org)

Note: this person should be contacted as soon as the block schedule is made, and at least one month prior to the elective

Learning Objectives

1. Explain what interpretive information referring orthopedists are looking for on common exams: e.g., CTs of fractures, preop and postop shoulder, knee, wrist, and ankle MRIs.
2. Consolidate knowledge of the musculoskeletal anatomy commonly seen on imaging studies (especially shoulder/hip/knee MRIs) by watching shoulder/hip/knee arthroscopic surgeries.
3. Identify what can be easily seen during arthroscopic surgeries and what are arthroscopic "blind spots" (i.e., areas especially important to pay attention to on imaging, since the orthopedist might not be able to see them otherwise).
4. Correlate imaging findings of common pathology (e.g., labral tears, meniscal tears) with the arthroscopic appearances of these entities.
5. Correlate imaging findings with resultant surgical decision-making: e.g., which imaging features of a fracture / ligament injury / meniscal tear determine what surgical or non-surgical management option is chosen.
6. Interpret the specialized language used by referring orthopedists: names of different hardware, etc

Area	Days	Potential faculty
Arthroplasty clinic	2	Bell, Jevsevar, Moschetti, Orem, Sparks
Spine clinic	2	Abdu, McGuire, Pearson
Sports clinic	2	Ames, Carr, Karlson

Upper extremity clinic	2	Bell, Warhold
Pediatric clinic	2	
Trauma clinic	2	Coe, Dwyer, Gitajn
OR (knee/hip/shoulder arthroscopy cases)	2	Ames, Bell, Carr, Sparks