Radiographic Approach to Arthritis
Stephanie Bernard, MD

Objective:

1. Learn to systematically assess the radiographs for features of arthropathies.
2. Be able to differentiate the arthropathies based on erosions, productive changes and distributions.
3. Learn the mass-like arthropathies and how to differentiate them.

Video lectures:

Part I: Radiographic approach to arthritis
https://www.youtube.com/watch?v=VE9CE8pANuE

Content:

1. Imaging features that differentiate the arthropathies
    a. Erosions, productive changes
        i. Purely productive arthropathies – OA
        ii. Purely erosive arthropathy – RA
        iii. Erosive and productive arthropathy – Spondyloarthropathy / EOA
    b. Distribution of erosive disease
        i. Monoarticular – Infection diagnosis of exclusion
        ii. Polyarticular
            1. Proximal sparing the DIPs – RA>>Psoriatic
            2. DIP involvement – Psoriatic >>>>>>>>>>>RA
            3. Periarticular – Gout

2. Soft tissue features providing clues about the arthropathies
    a. Soft tissue loss - Scleroderma
    b. Soft tissue swelling - Inflammatory
    c. Lumpy bumpy deposition diseases – Gout

3. Special considerations
    a. OA in an atypical distribution: CPPD arthropathy; Hemochromatosis
    b. Mass-like arthropathies
        i. Synovial chondromatosis
        ii. PVNS / synovial giant cell tumor