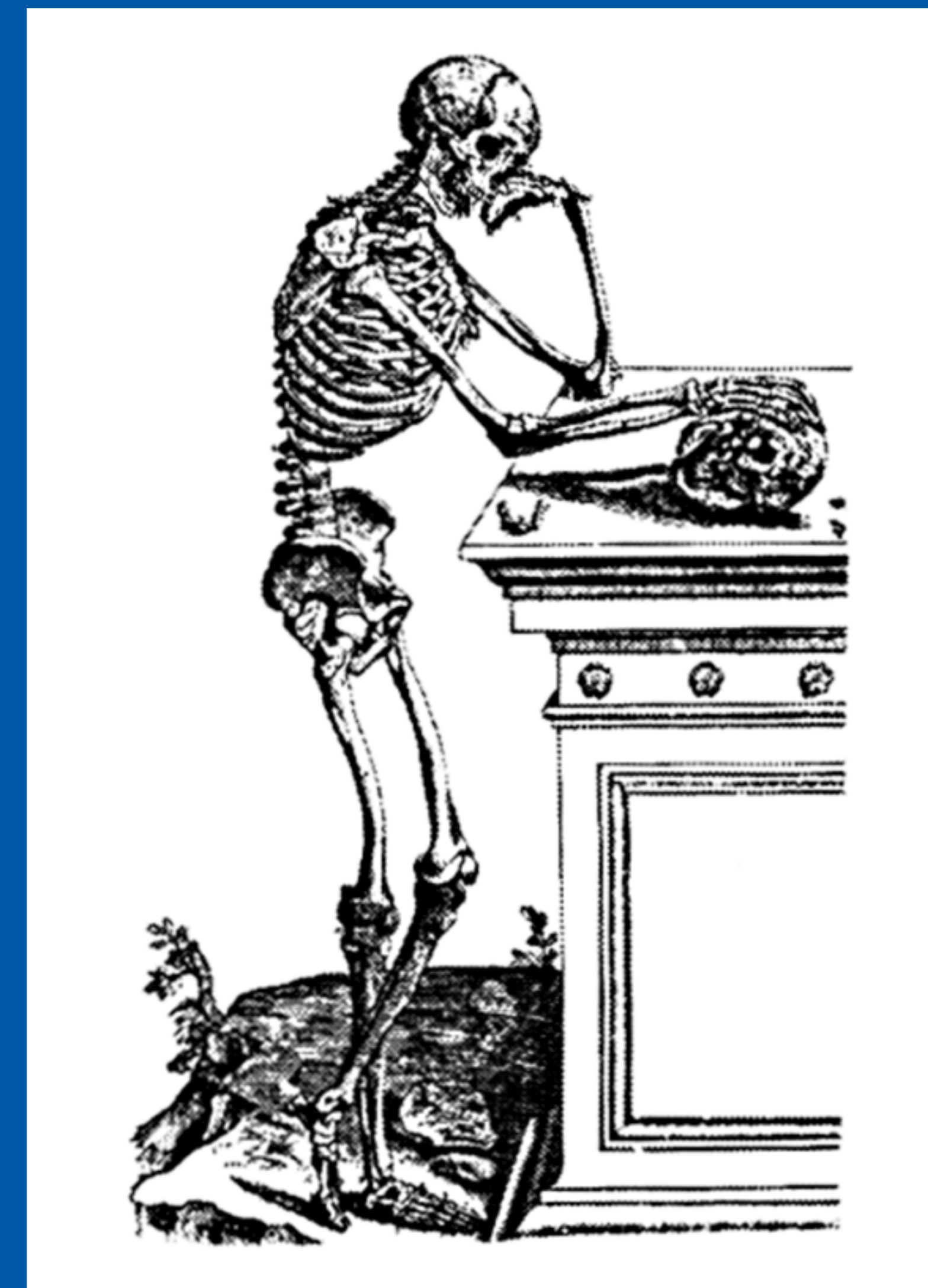


# 42nd Annual Meeting, Scottsdale, Arizona Society of Skeletal Radiology

March 10-13, 2019

## CASE OF THE DAY: SUNDAY

 #SSRBONE19COD1



**Andrew Erie, MD; John A Skinner, MD**  
Mayo Clinic, Rochester, MN

### HISTORY

- 52-year-old woman
- 5 years of worsening polyarthralgias
- Negative cyclic citrullinated peptide (CCP) antibody



### DIAGNOSIS

#### Multicentric Reticulohistiocytosis

- Rare, destructive arthritis that most often presents in adulthood
- Caused by deposition of multi-nucleated histiocytes within the skin and synovium, inciting an inflammatory response
- Distinguished from other erosive polyarthritides by:
  - Symmetric erosions with absence of periosteal bone formation
  - Interphalangeal joint predominance with no or mild osteoporosis
  - Erosions begin at joint margins, progress to articular surface
  - Soft tissue nodules without calcium deposition

