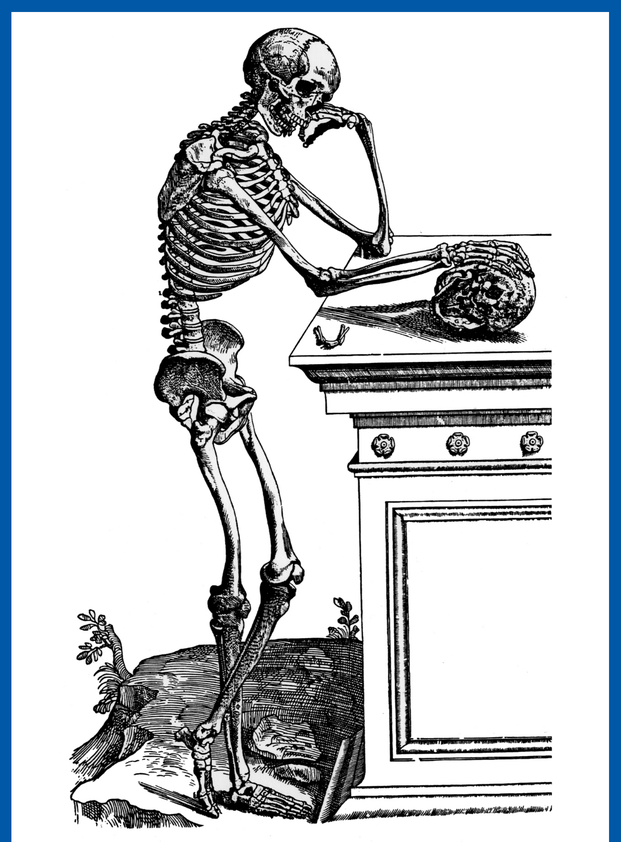
43rd Annual Meeting, Huntington Beach, California

Society of Skeletal Radiology

March 29 - April 1, 2020

CASE OF THE DAY: MONDAY

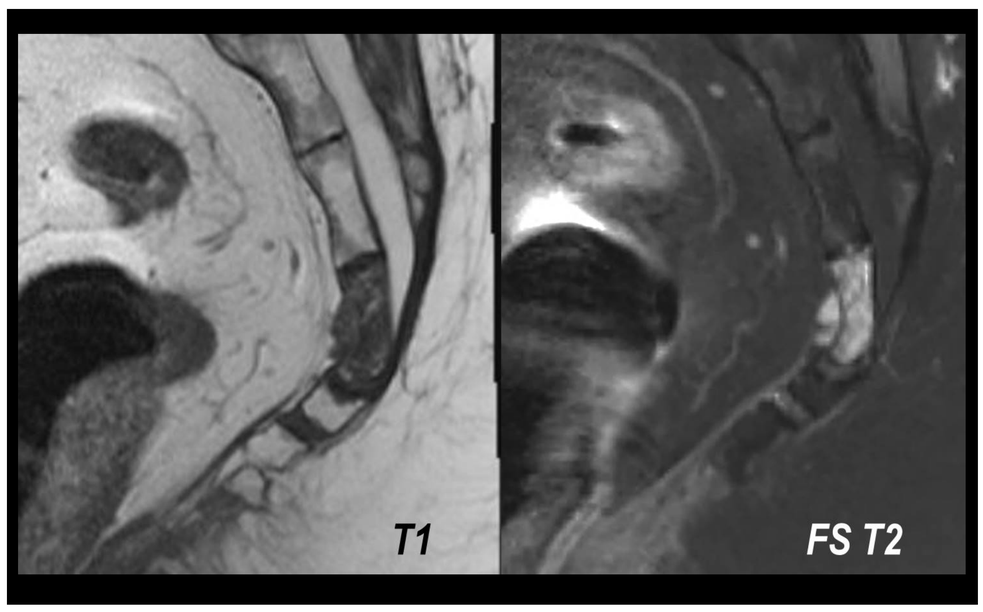
#SSRBONE20COD4



Tyler Burgner, MD; Mark Kransdorf, MD
Mayo Clinic, Phoenix, AZ

HISTORY

- 62-year-old woman
- Left THA 4 years prior
- Being evaluated for increasing left hip and buttock pain



DIAGNOSIS

Atypical Notochordal Cell Tumor

- By the current WHO classification, benign notochordal cell tumor (BNCT) and chordoma comprise the entire spectrum of notochordal-derived tumors.
- Atypical notochordal cell tumor (ANCT) is described in a report of 4 cases: Atypical Notochordal Cell Tumors: A Series of Notochordal-derived Tumors That Defy Current Classification Schemes. Carter JM, Wenger DE, Rose PS, Inwards CY. Am J Pathol 2017;41:39-48
- Radiologic or histiologic features of ANCT do not fit with classification as BNCT tumor or chordoma
  - 4 of 4 cases had characteristic histologic features of BNCT; however,
  - 3 of 4 cases had cortical permeation and soft tissue extension
  - 2 of 4 cases had focal myxoid change
- Currently there is insufficient data to establish the biological potential of this lesion