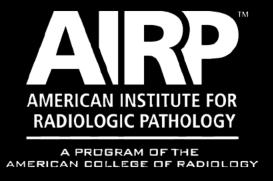
Best Cases of the AIRP

March-April, 2019



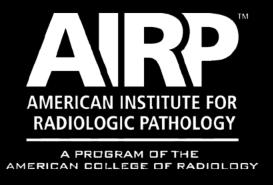
Gastrointestinal Best Case

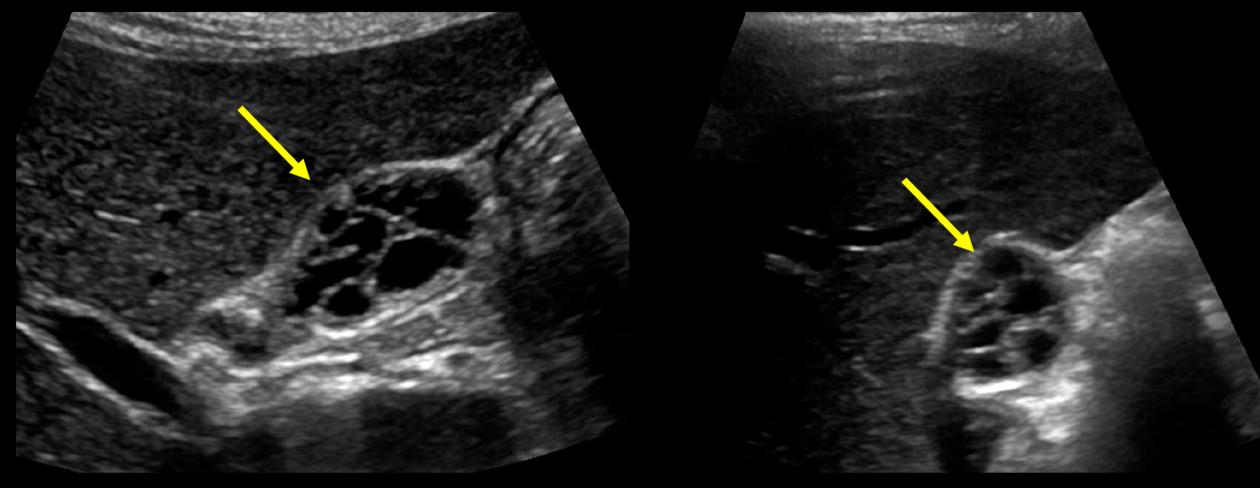


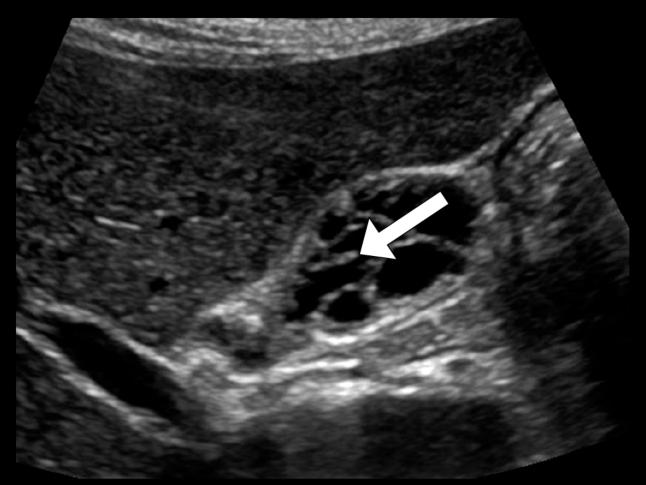


Clinical information

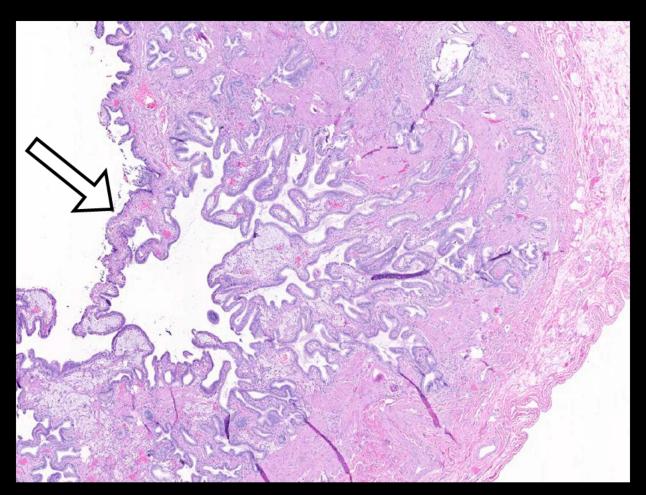
36 year old woman with progressively worsening right upper quadrant abdominal pain.







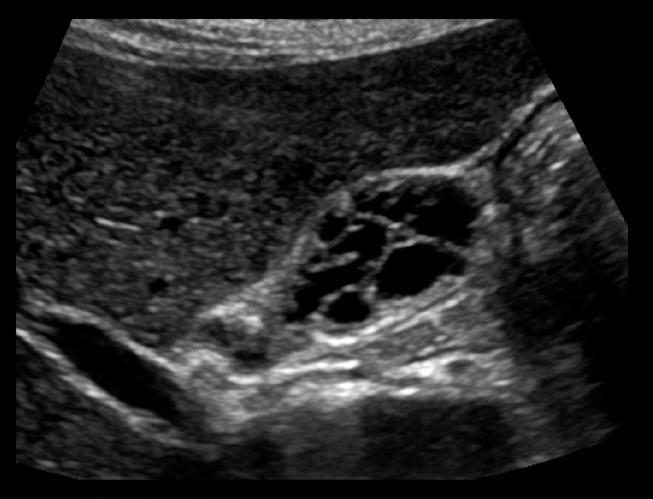




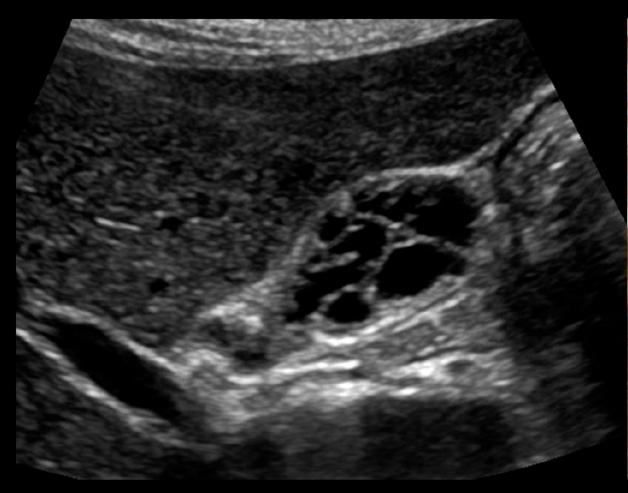
















Robinson, D.W., Oliphant, M. & Dyer, R.B. Abdom Radiol (2019) 44: 1627

Honeycomb Gallbladder **David Robinson** Wake Forest University School of Medicine Winston-Salem, NC

AMERICAN INSTITUTE FOR RADIOLOGIC PATHOLOGY

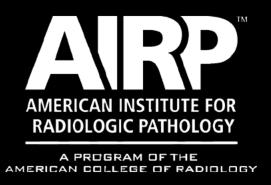
Neuroradiology Best Case

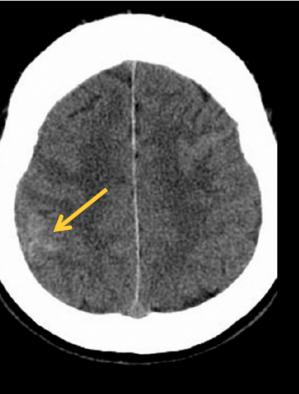




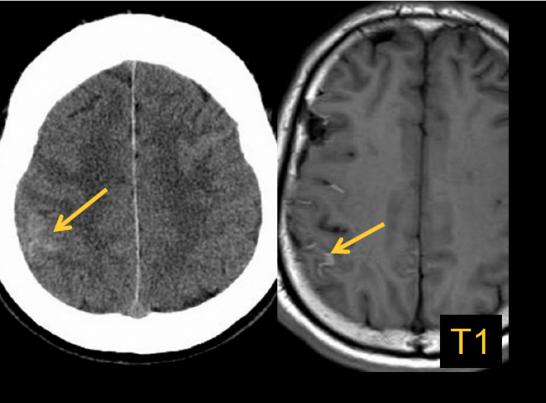
Clinical information

55-year-old man with 2 days of headaches and arm paresthesias and 25 weight loss in prior 2 months. Slight left leg weakness and decreased sensation in C6 distribution.

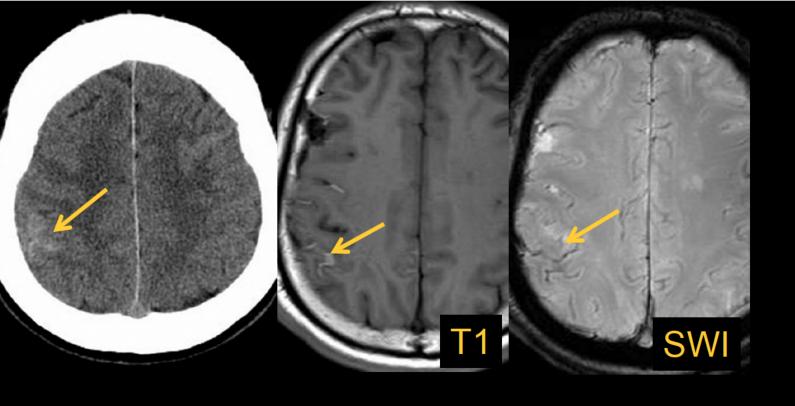




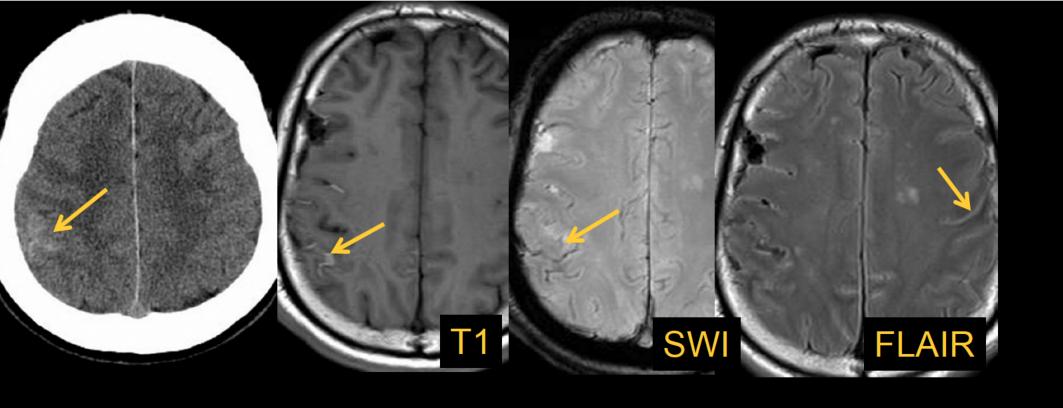




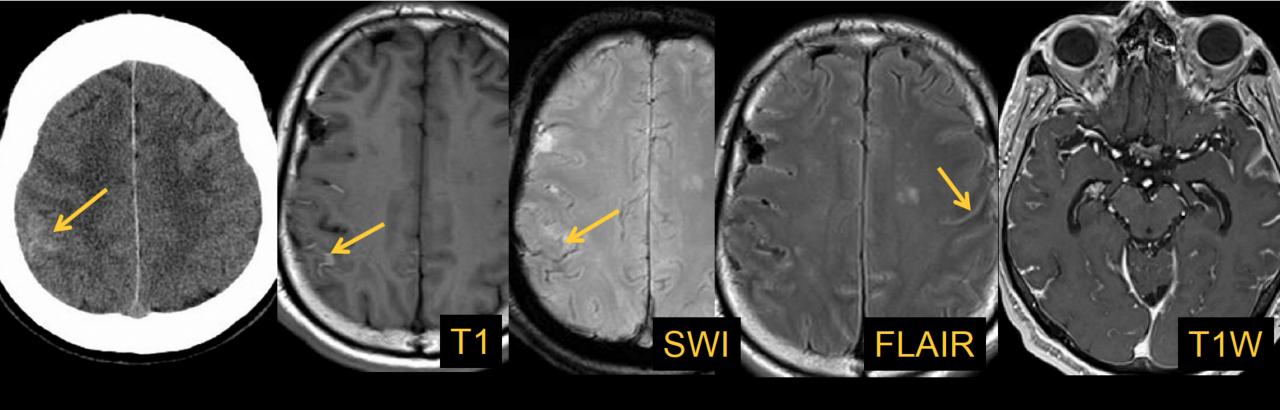




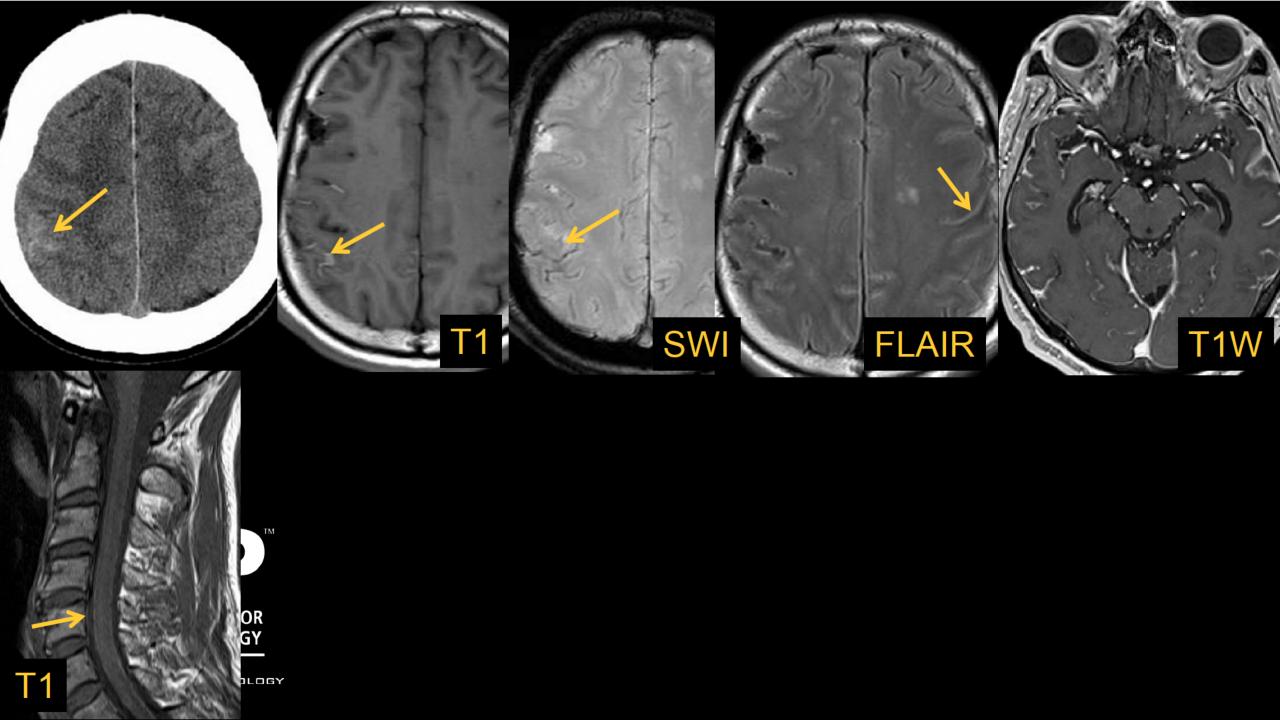


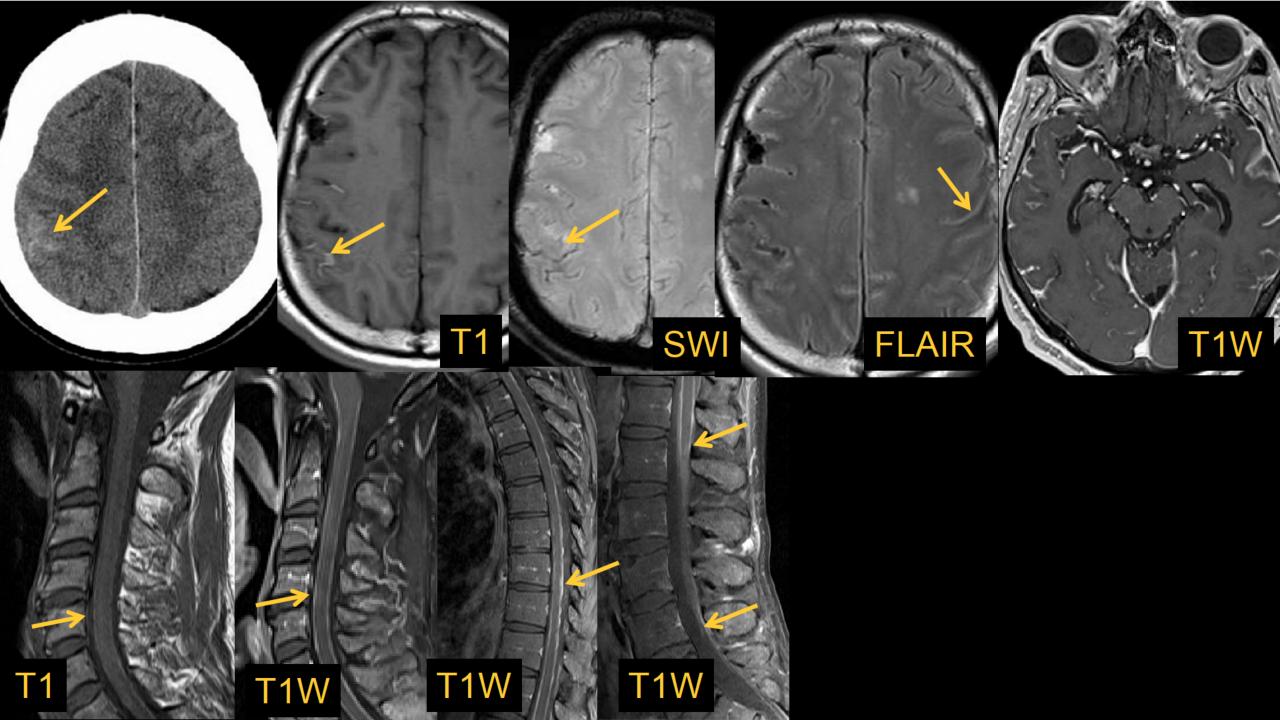


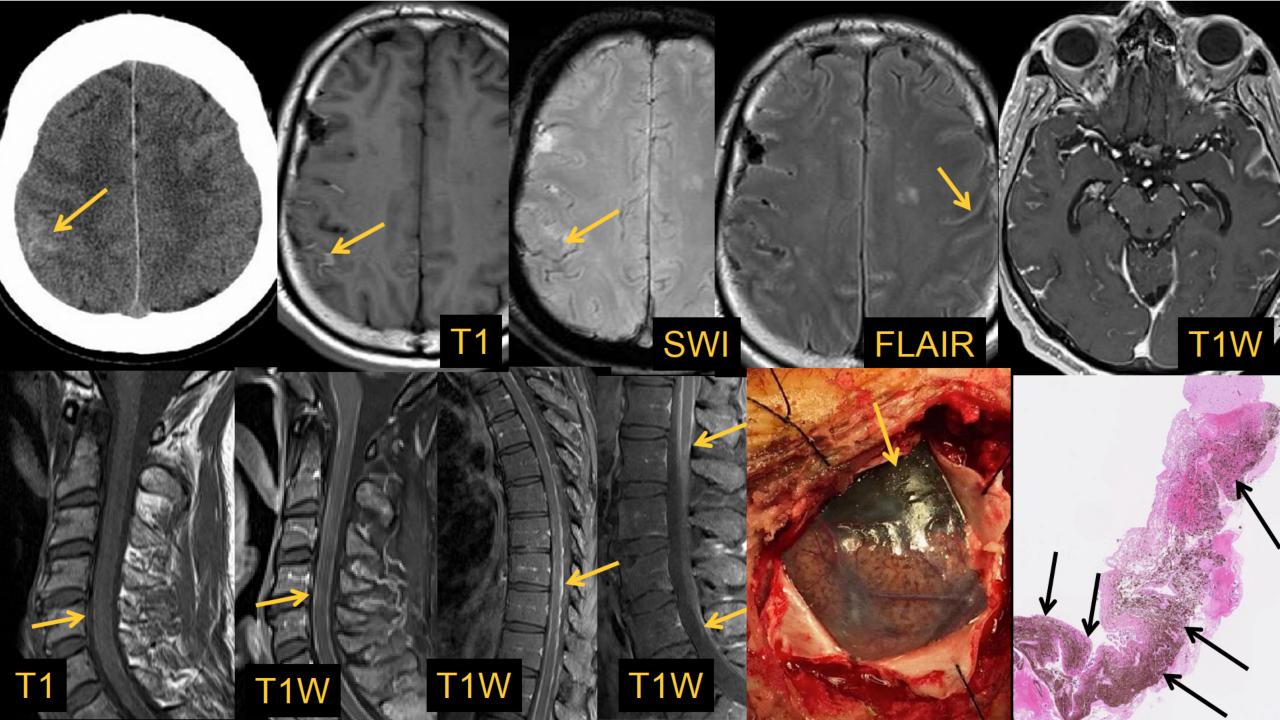










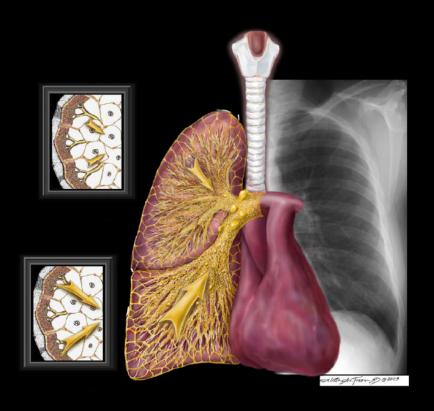


Diffuse leptomeningeal melanomatosis

Yuh-Shin Chang, M.D.
Sacre Coeur Hospital / University of Calgary
Montreal, Quebec, Canada

AMERICAN INSTITUTE FOR RADIOLOGIC PATHOLOGY

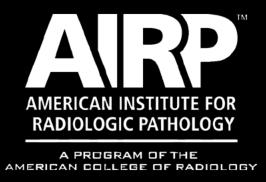
Pulmonary and Mediastinal Best Case



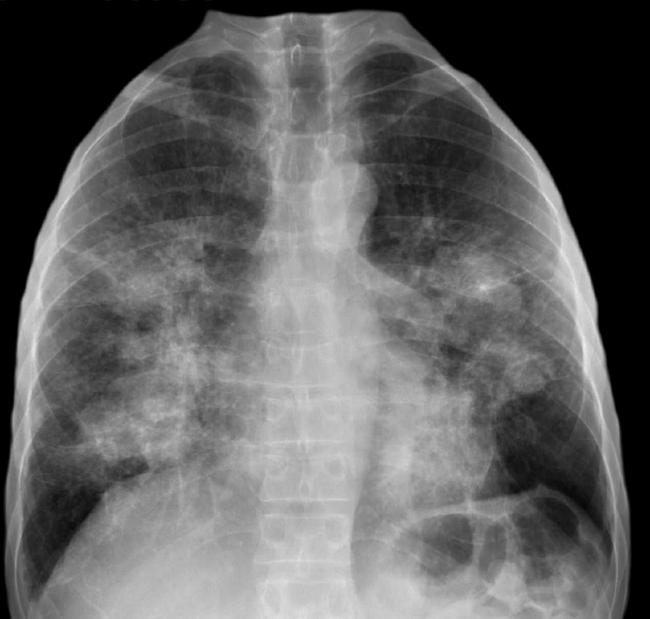


Clinical information

64-year-old man with progressive shortness of breath. He worked in the coal mines for 35 years and retired 3 years ago. He did not smoke cigarettes.

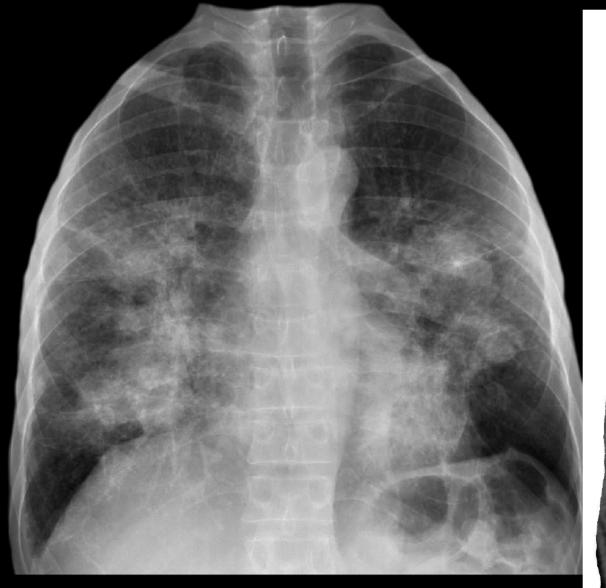


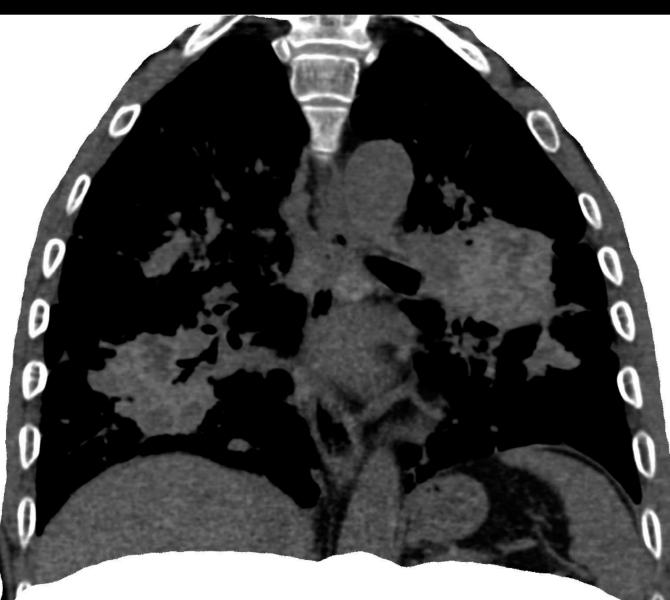
Bilateral hilar masses

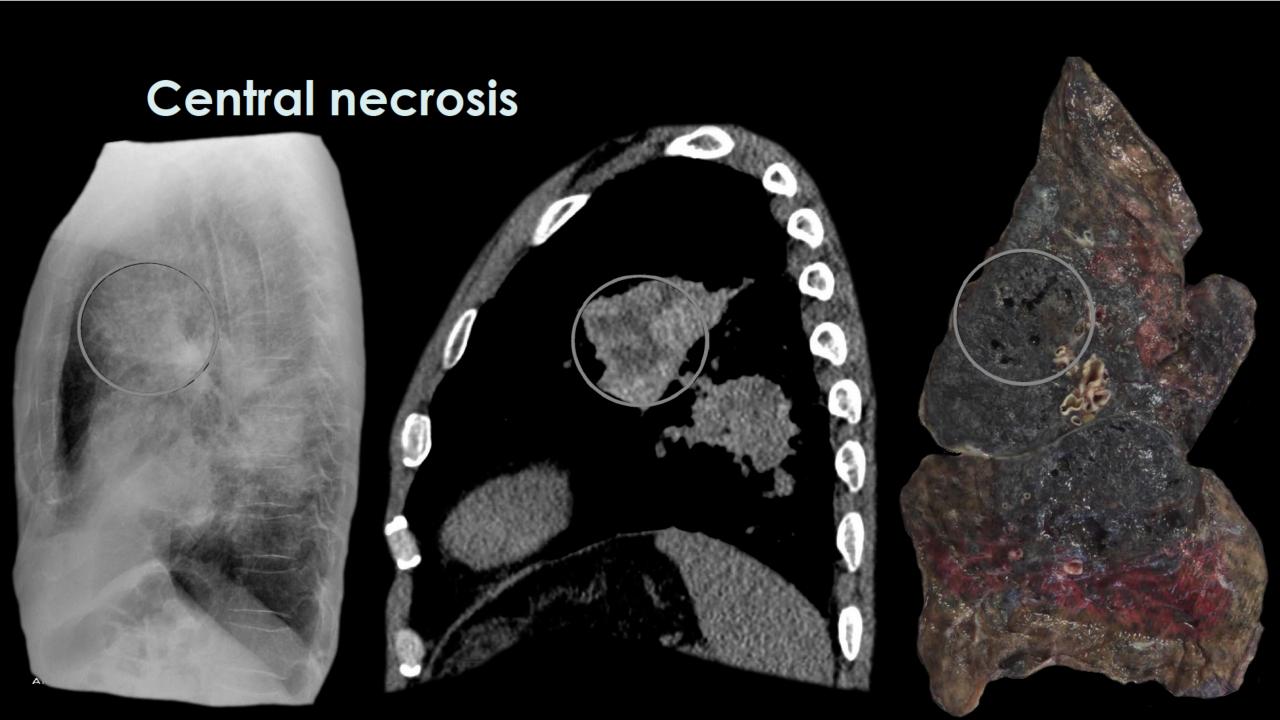


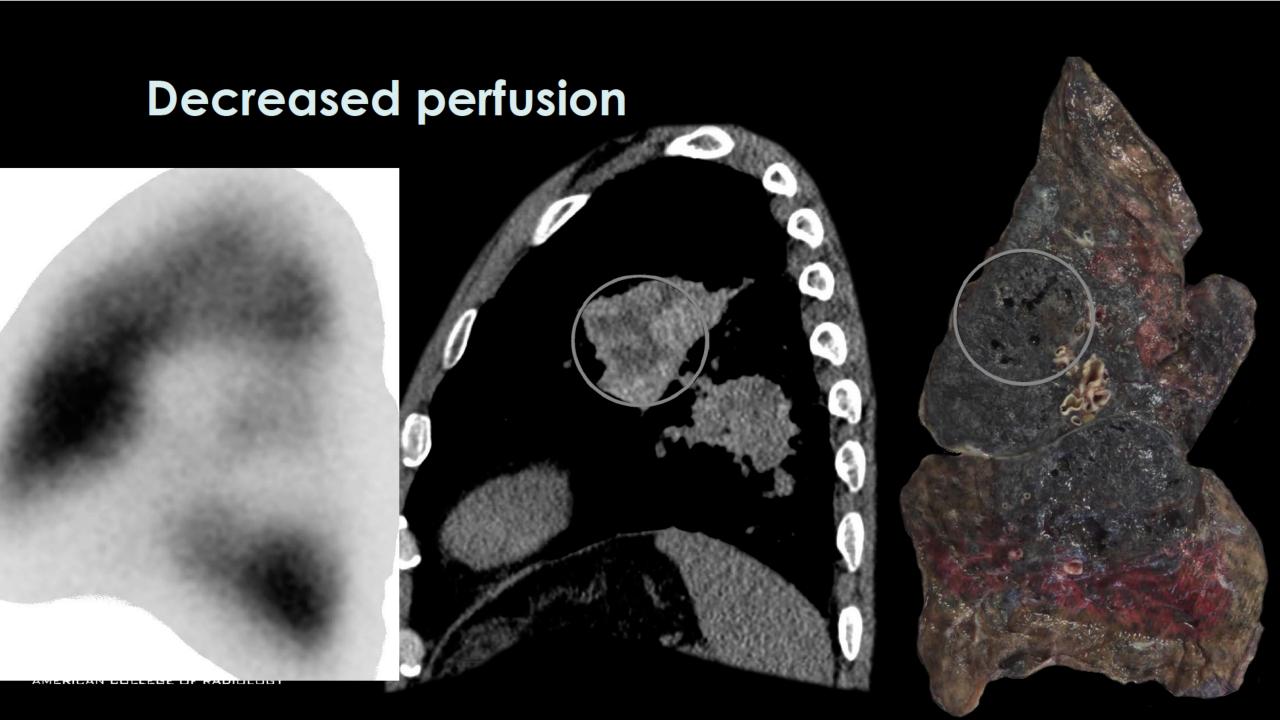
AMERICAN INSTITUTE FOR RADIOLOGIC PATHOLOGY

Central necrosis







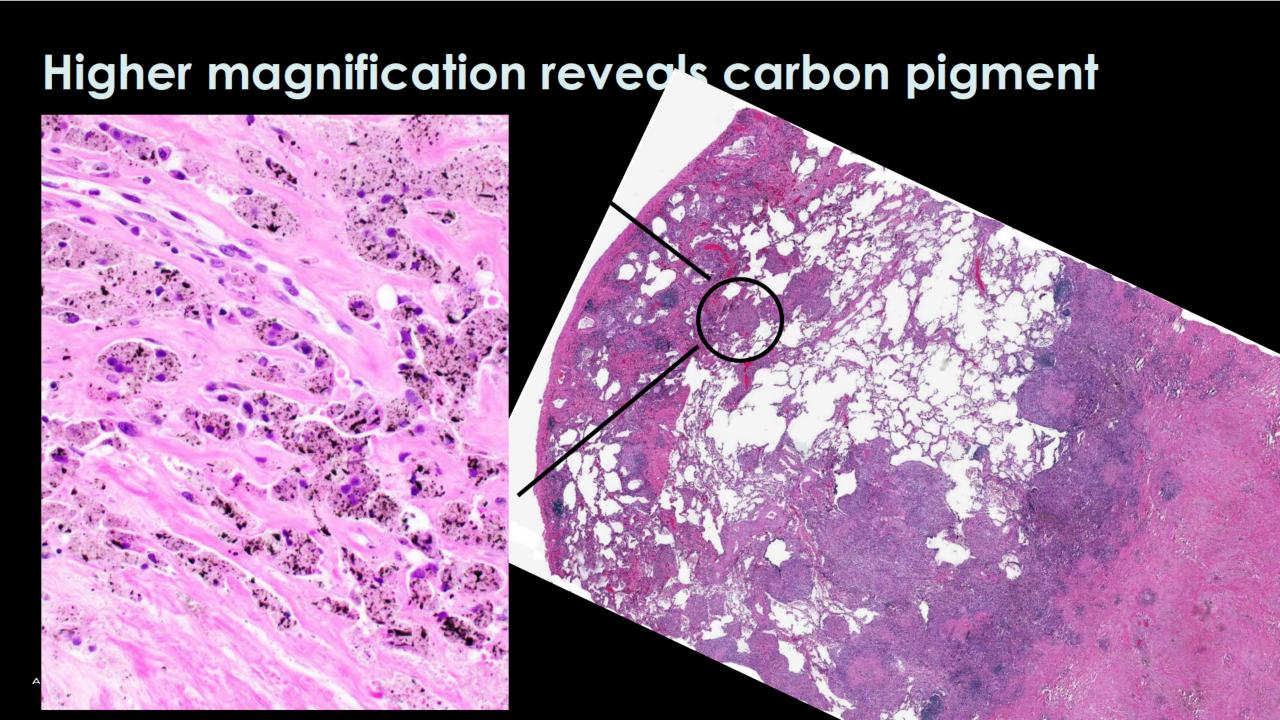




AMERICAN INSTIT

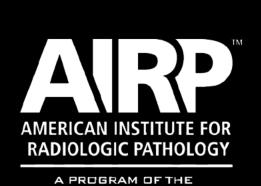
A PROGRAM OF AMERICAN COLLEGE OF

Numerous parenchymal nodules: central **fibrosis**



Polarization reveals carbon silica particles

Mixed Dust Pneumoconiosis



AMERICAN COLLEGE OF RADIOLOGY

Jessica Zhang
UPMC Presbyterian
Pittsburgh, PA

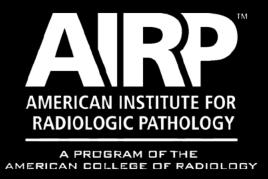
Cardiovascular Best Case

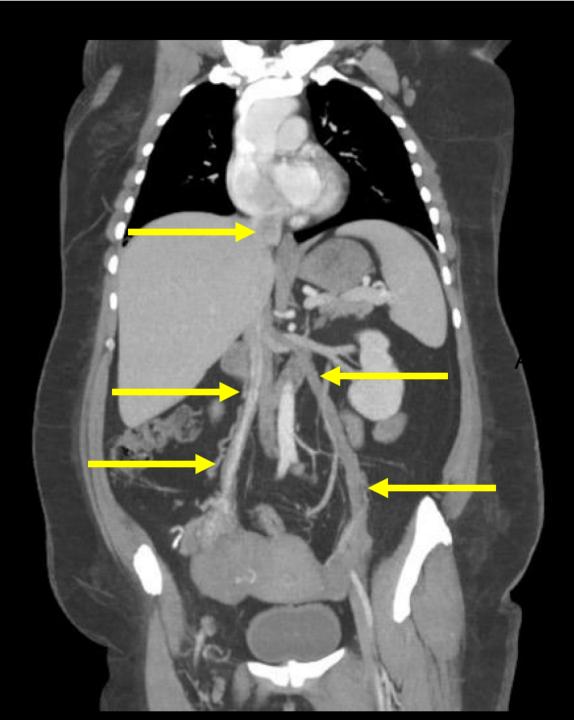




Clinical information

50-year-old female presents after two syncopal episodes which followed several weeks of "chest heaviness".

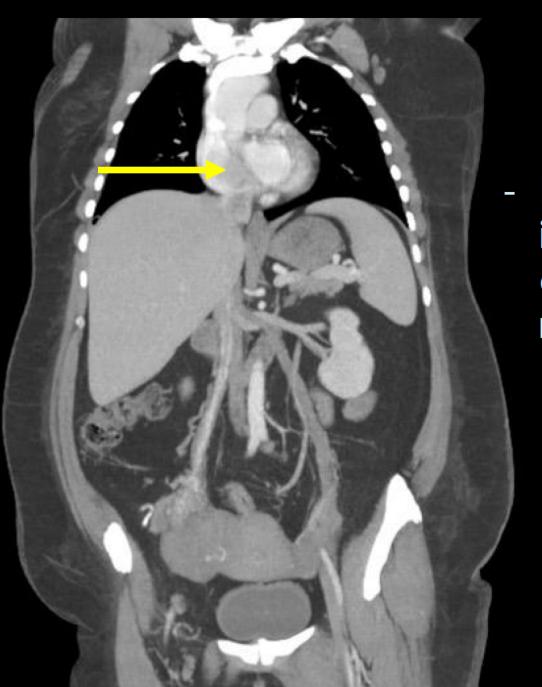




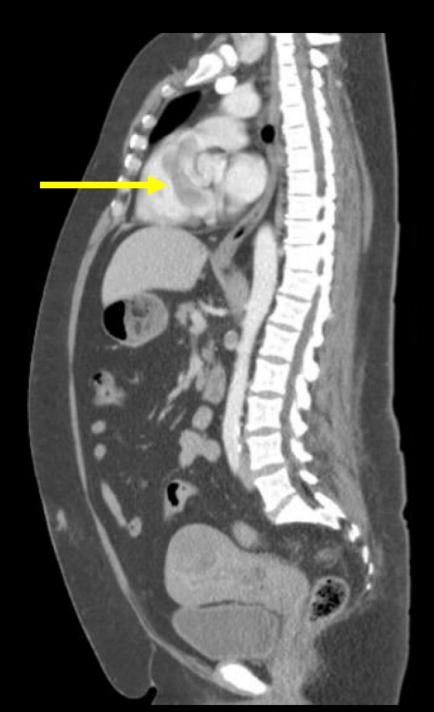
Enhancing thrombus,
 right iliac vein & IVC

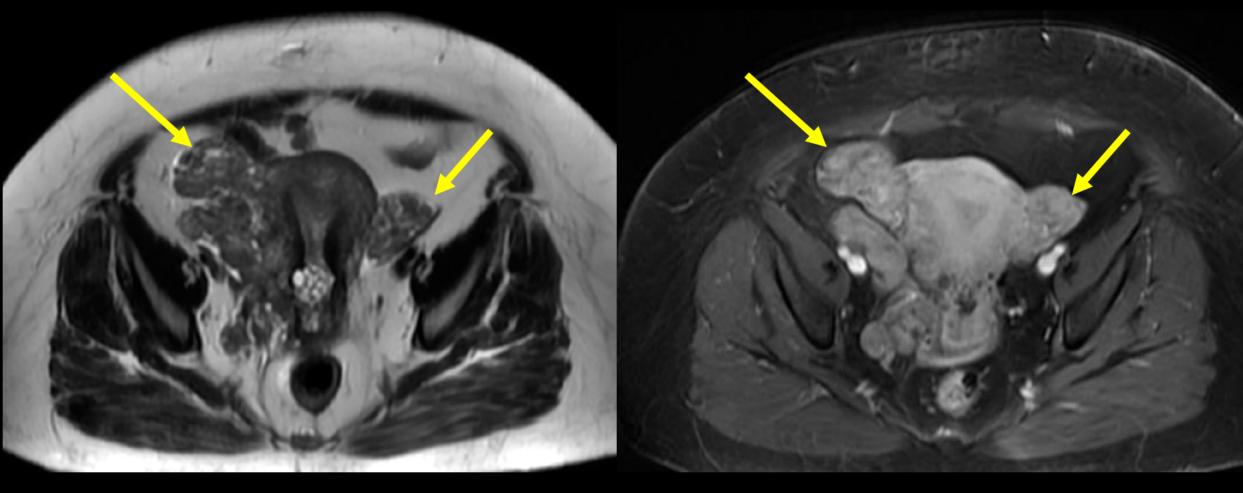
 Left gonadal vein thrombus

 Bilateral ovarian & adnexal solid masses

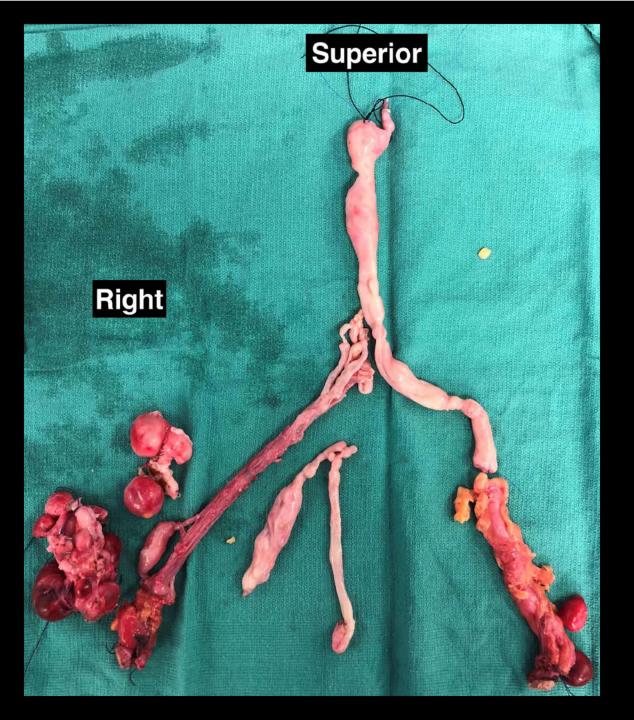


- Filling defect in IVC extends into right atrium



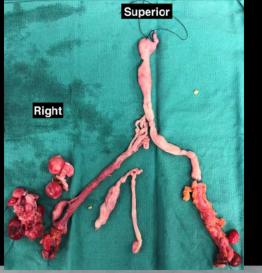






 Excised right atrial mass contiguous with intravascular IVC, bilateral iliac vein, & gonadal vein masses

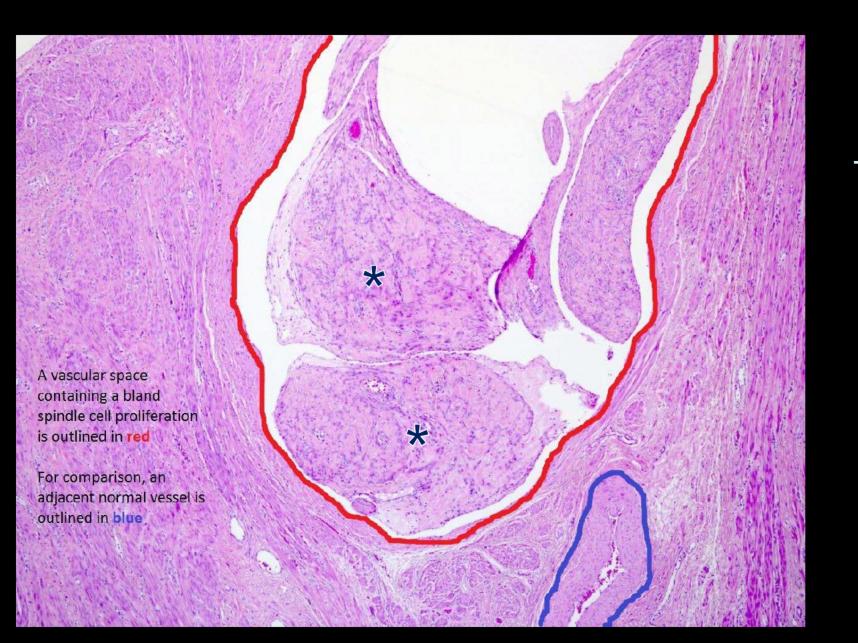
Excised bilateral ovarian & adnexal masses



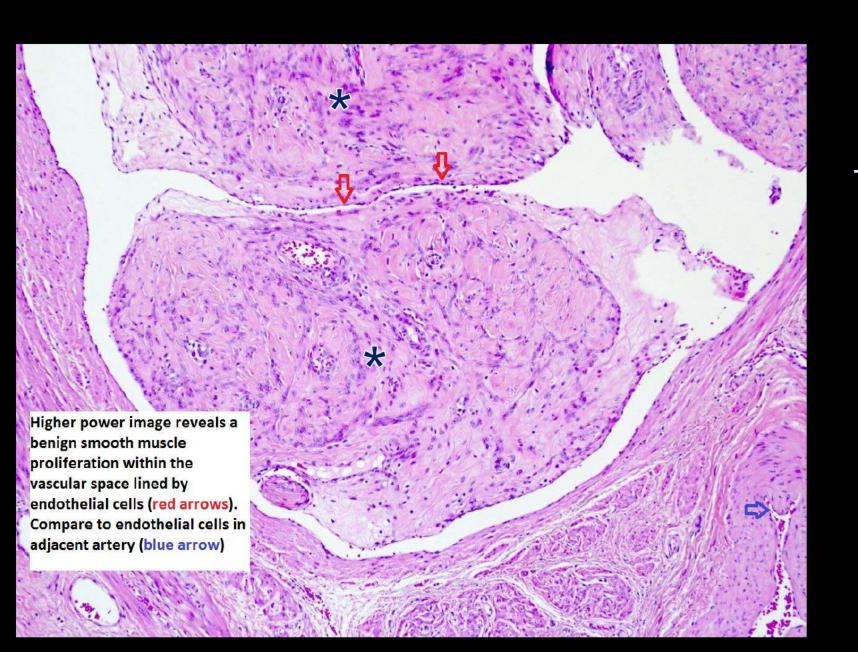


 Excised right atrial mass contiguous with intravascular IVC, bilateral iliac vein, & gonadal vein masses

 Excised bilateral ovarian & adnexal masses



 Intravascular soft tissue (*) is comprised of bland, benign spindle cell proliferation

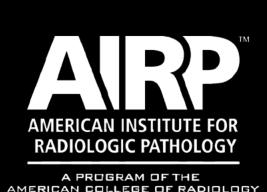


 Intravascular soft tissue (*) is comprised of bland, benign spindle cell proliferation



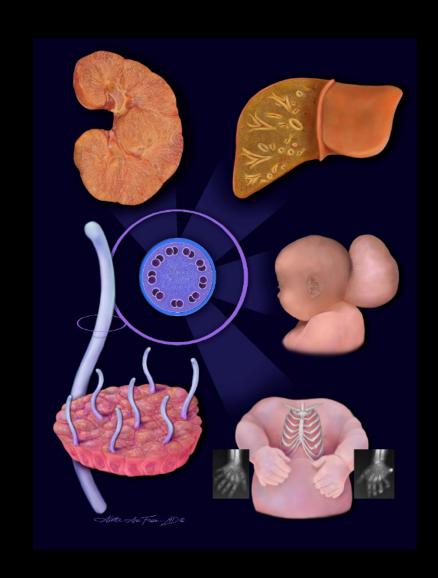
- Immunochistochemical stains show tumor is surrounded by endothelial cells (CD34 +)

Uterine leiomyomas in association with intravenous leiomyomatosis



Dr. Teresa Martin-Carreras
University of Pennsylvania
Philadelphia, PA

Pediatric Best Case



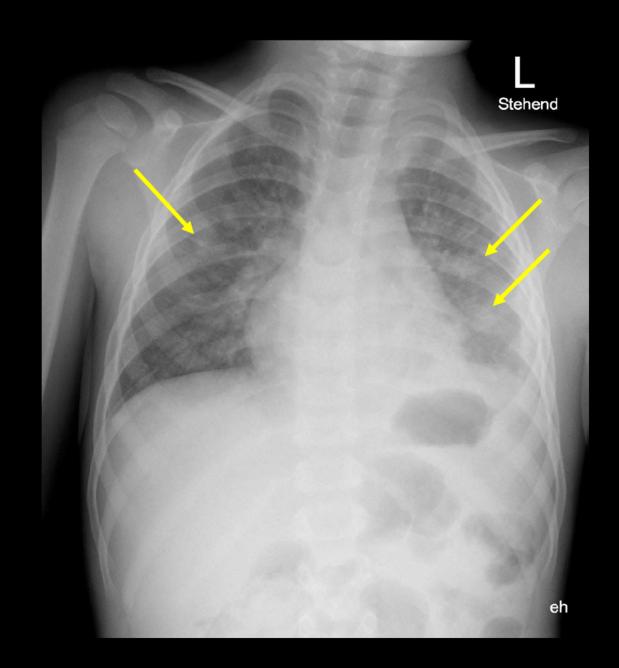


AMERICAN COLLEGE OF RADIOLOGY

Clinical information

4 year old caucasian boy with dyspnea, chest pain, abdominal pain and weight loss. On physical examination he was afebrile, tachypnic and had mild basilar crackles on the left. Blood tests showed slightly elevated inflammatory markers.

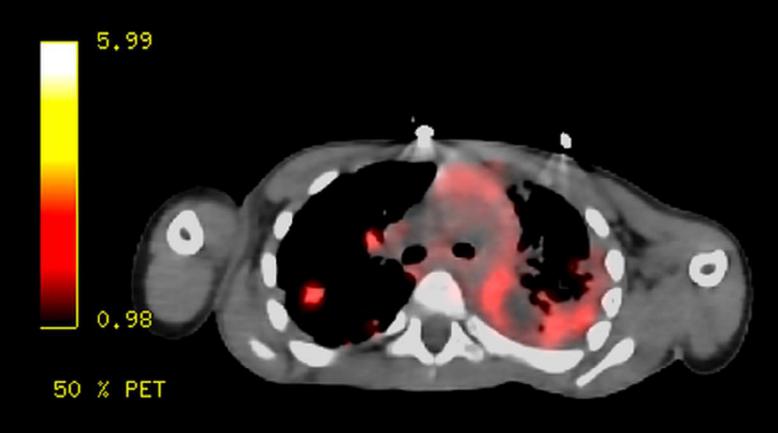








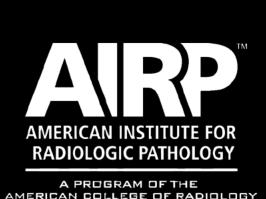






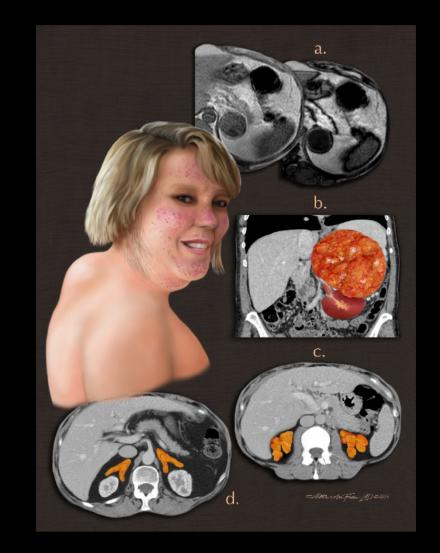


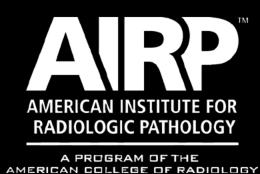
Epithelioid Hemangioendothelioma of the lung and pleura



Stefan Markart Kantonsspital St. Gallen St. Gallen, Switzerland

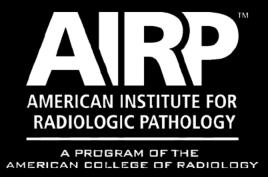
Genitourinary Best Case



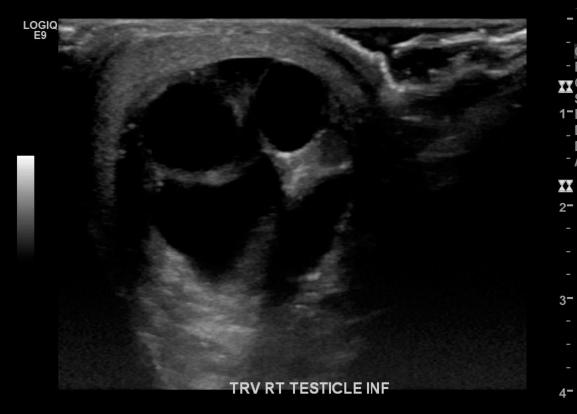


Clinical Information

24 year old male with a palpable right testicular lesion.



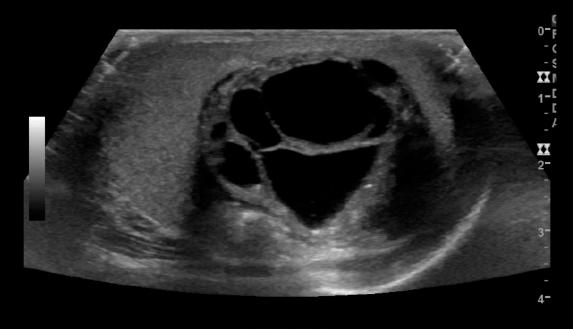


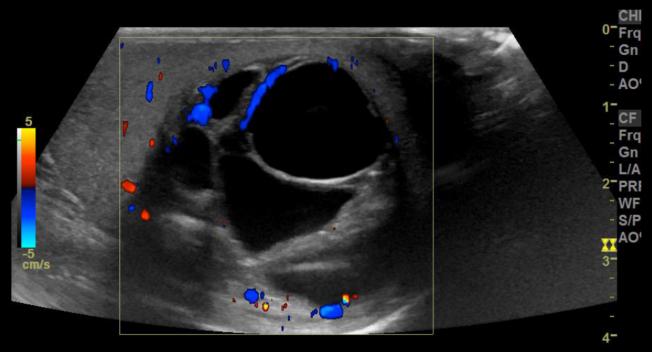


 $\mathbf{H}_{\epsilon}^{\zeta}$

SAG RT TESTICLE

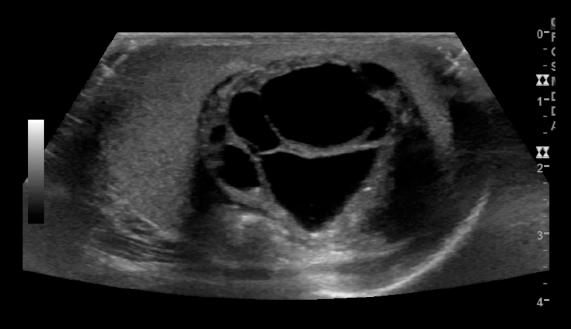
AMERICAN INSTITUTE FOR RADIOLOGIC PATHOLOGY





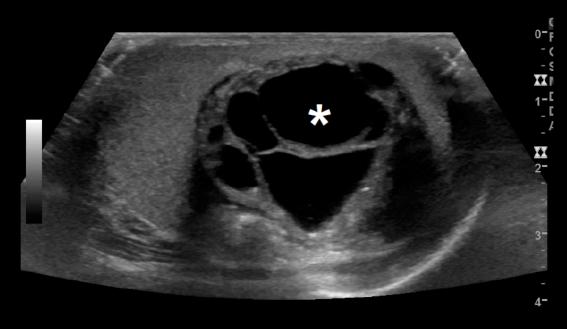
SAG RT TESTICLE





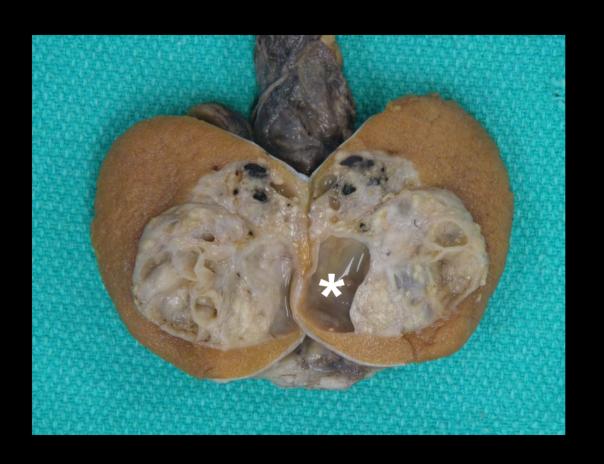
SAG RT TESTICLE

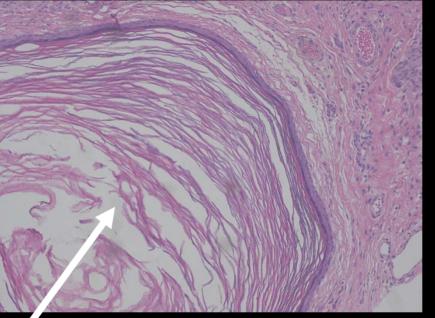


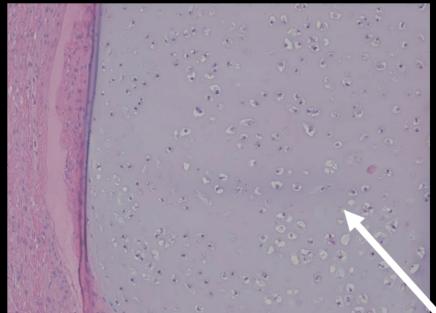


SAG RT TESTICLE







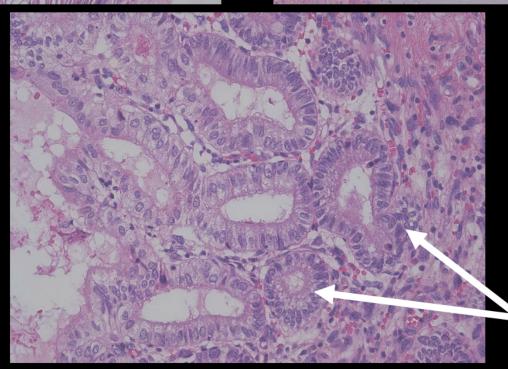


Keratin





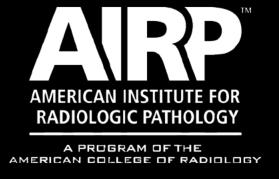
A PROGRAM OF THE AMERICAN COLLEGE OF RADIOLOGY



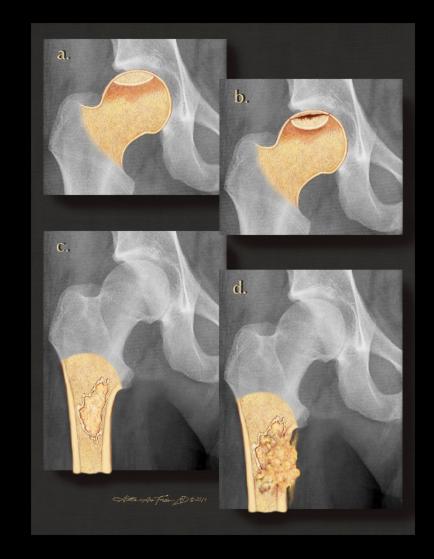
Intestinal glands

Testicular Pure Teratoma

Muhammed Hatem Rockyview General Hospital Calgary, Alberta, Canada



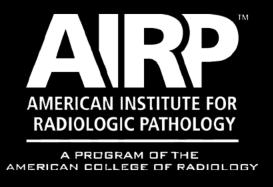
Musculoskeletal Best Case





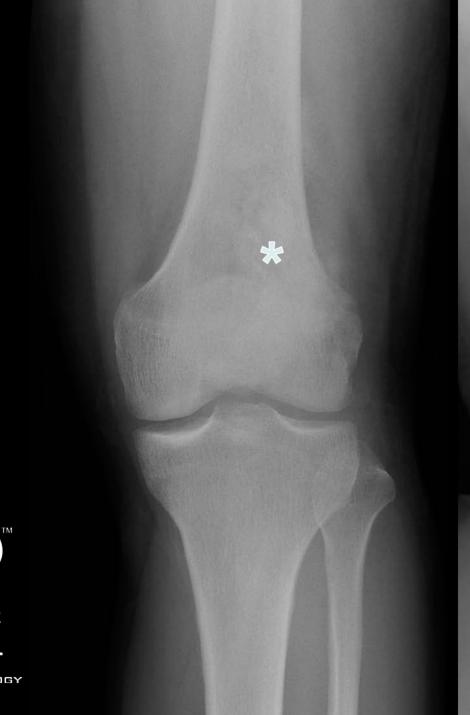
Clinical information

Healthy 33 year old Chinese male with no significant PMH presented with 1 month history of gradual onset, aching knee pain. He complained that pain worsened with weight bearing and climbing stairs. He had no pain at rest or at night. He felt no mass or lump.



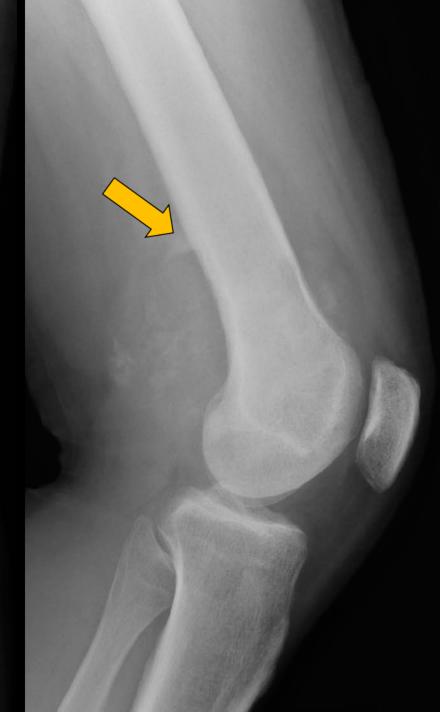






















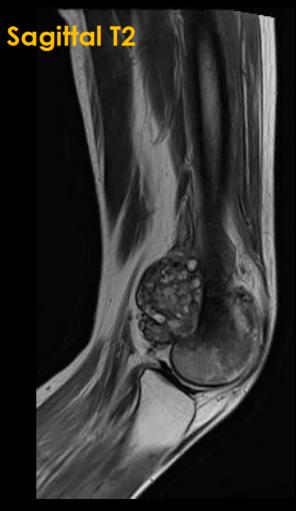






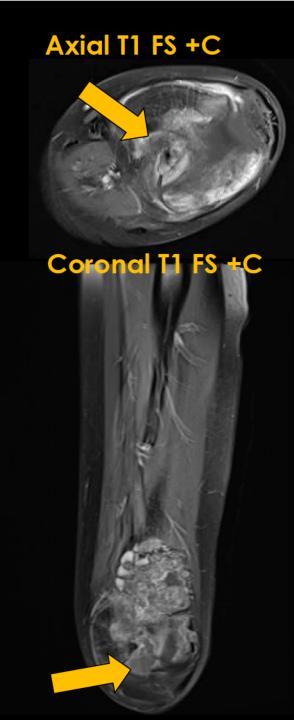








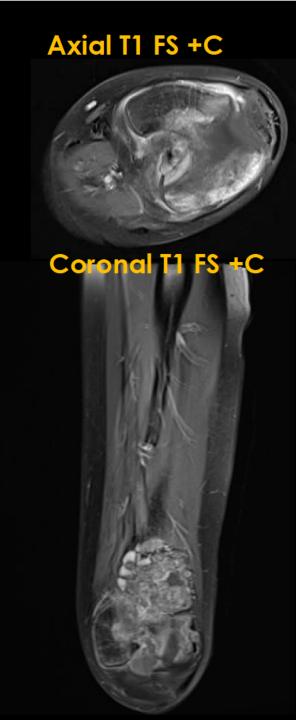


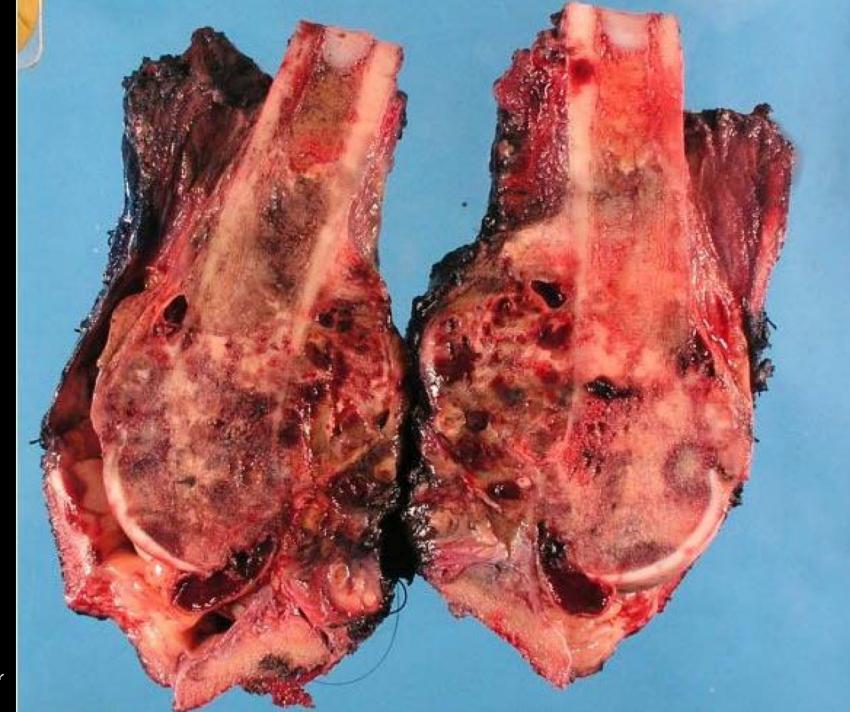


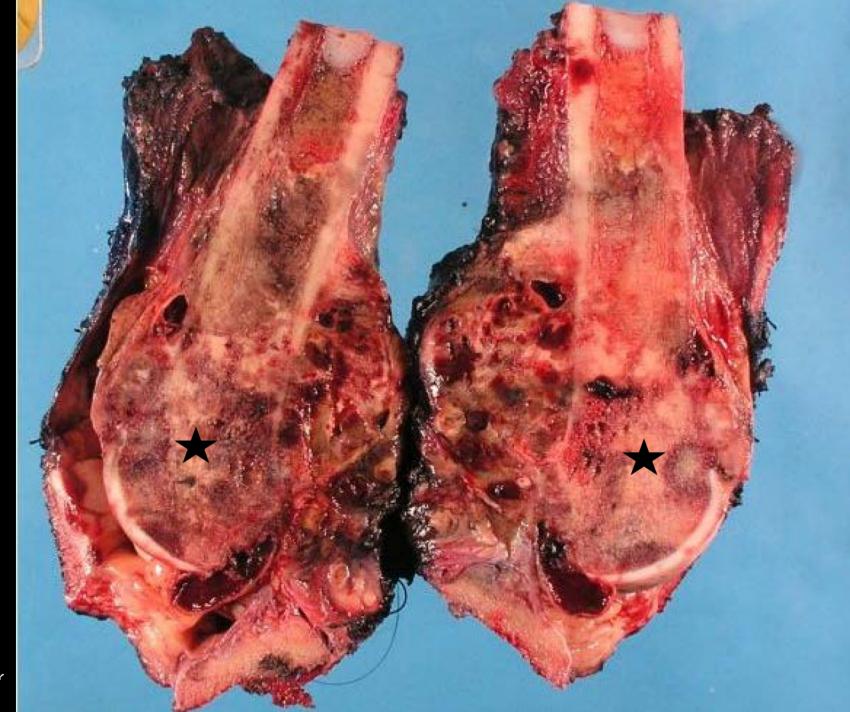






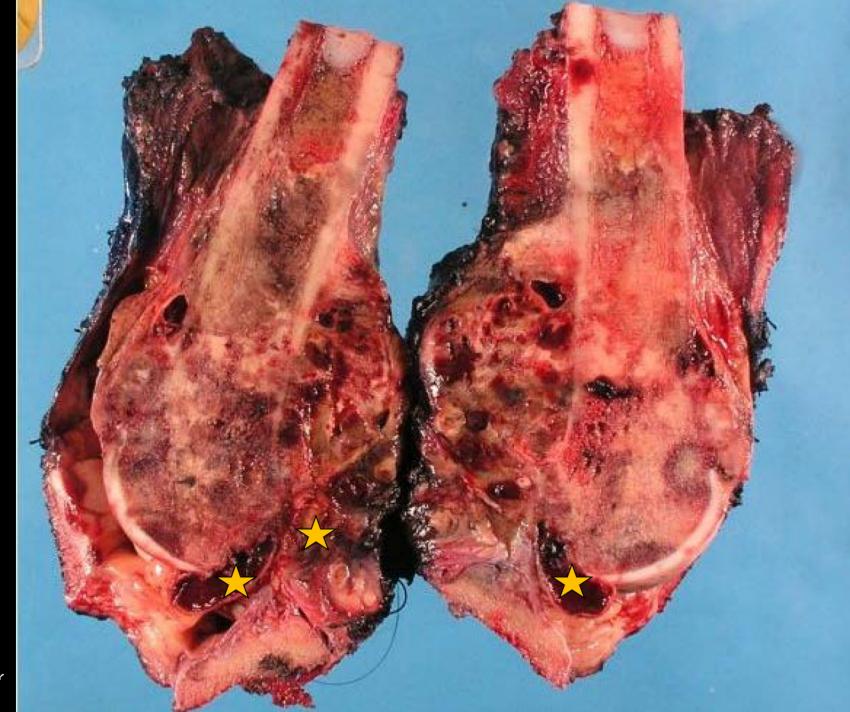


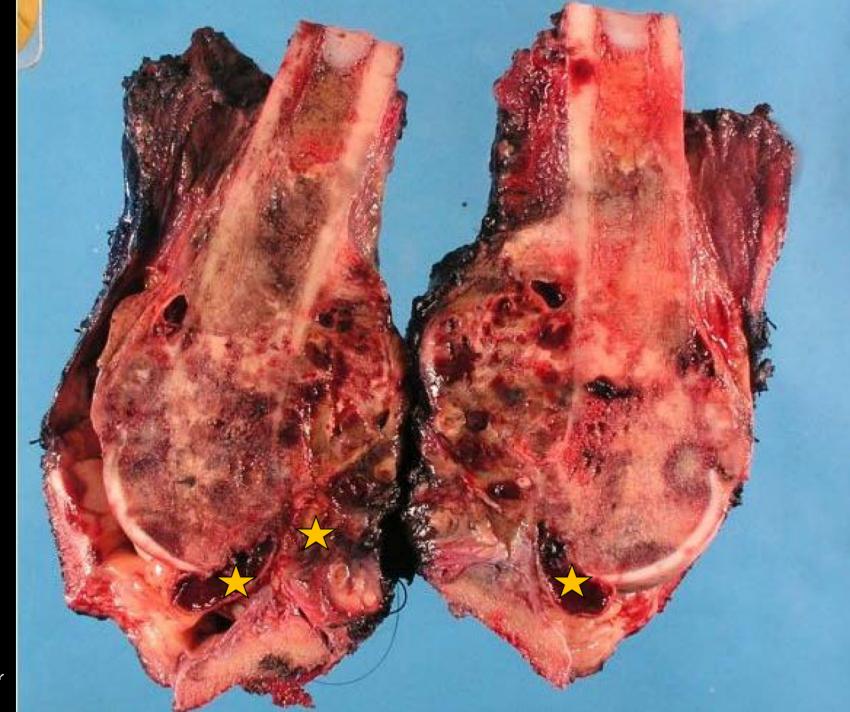


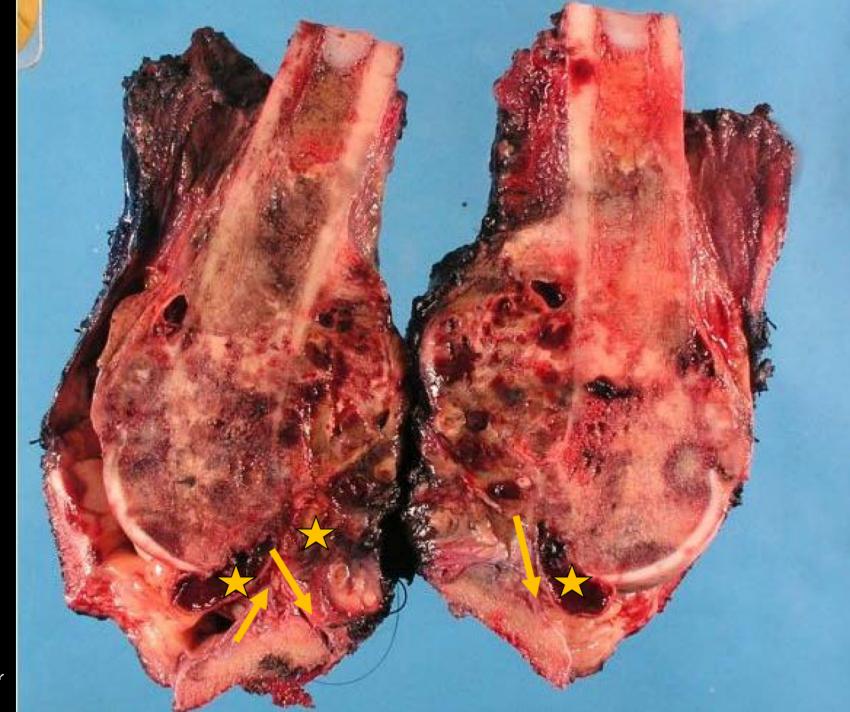


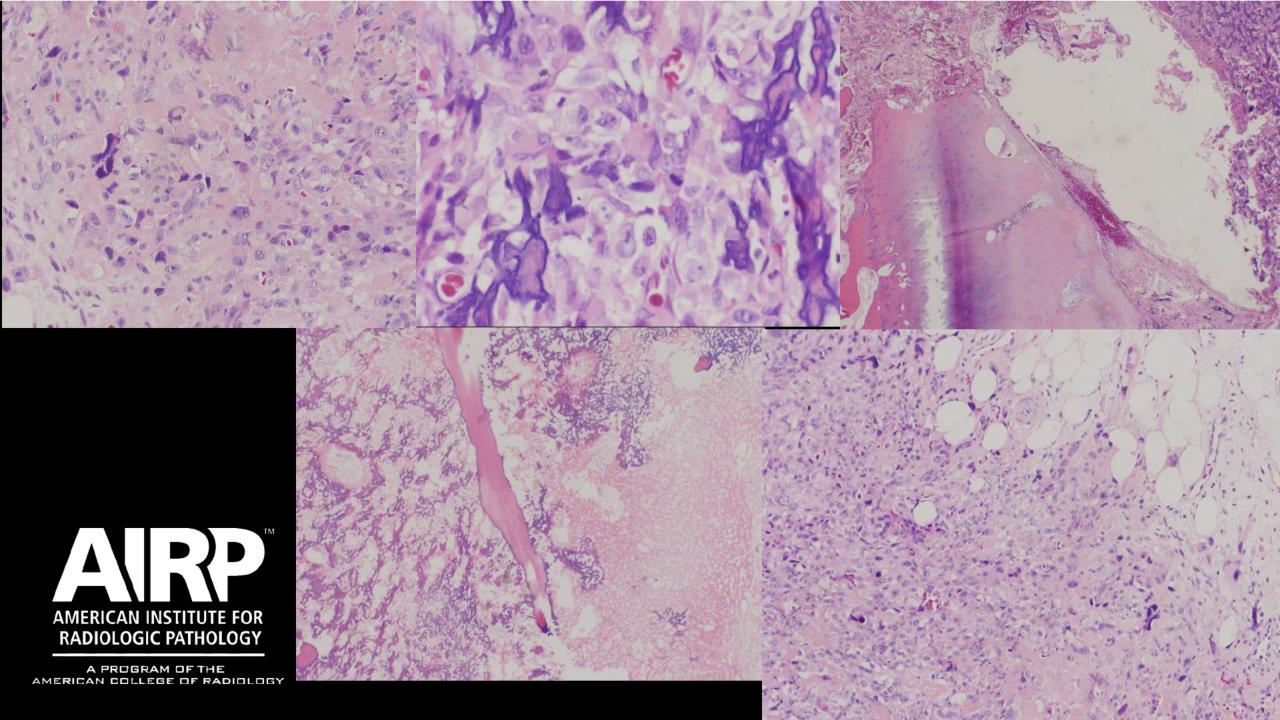


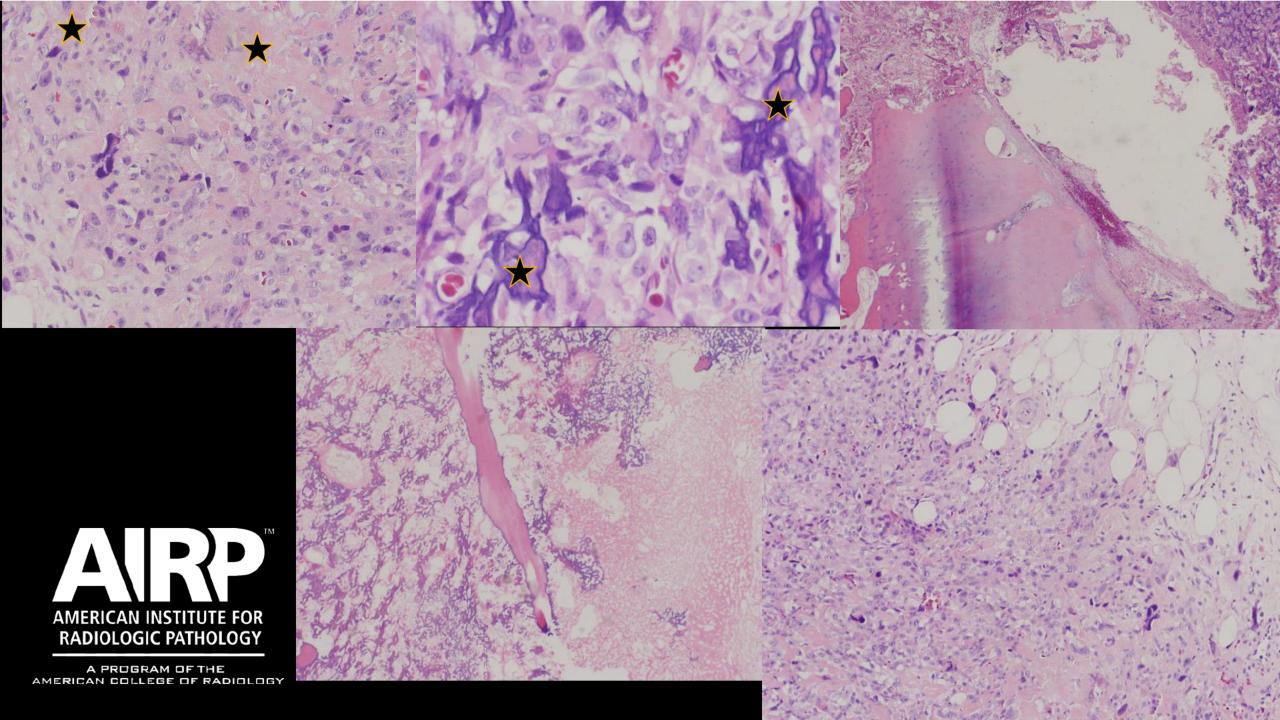


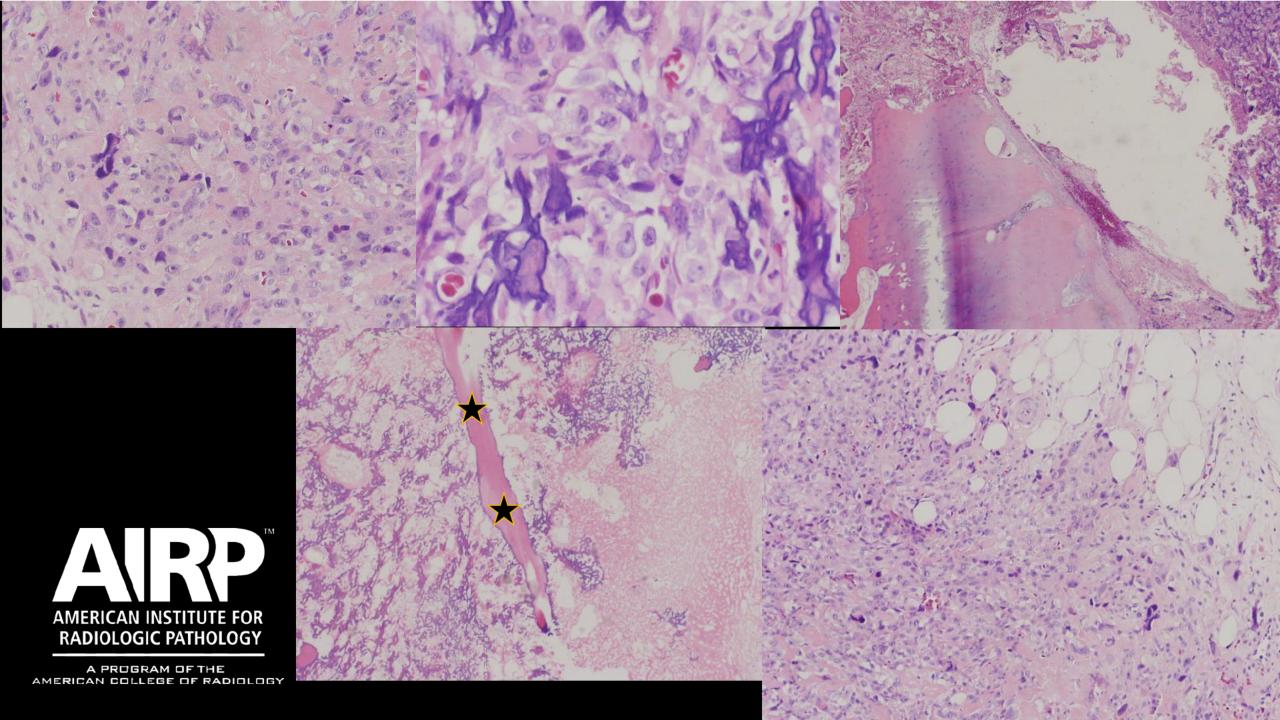


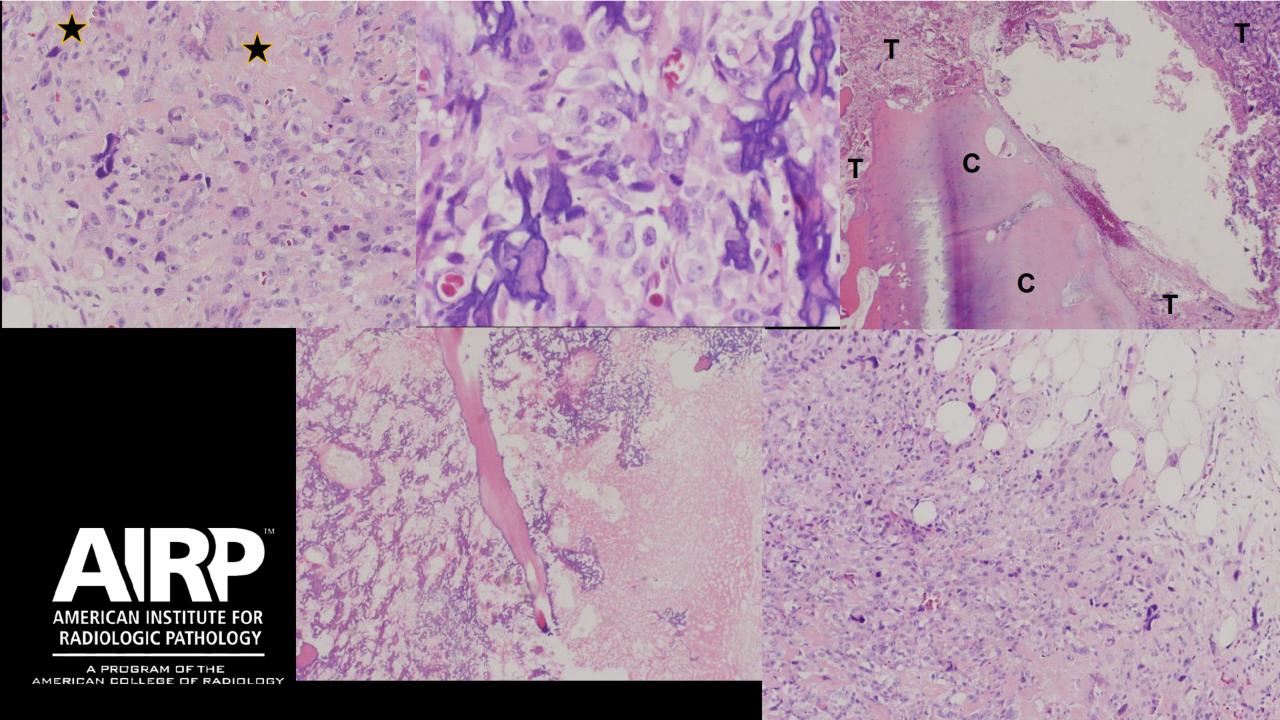




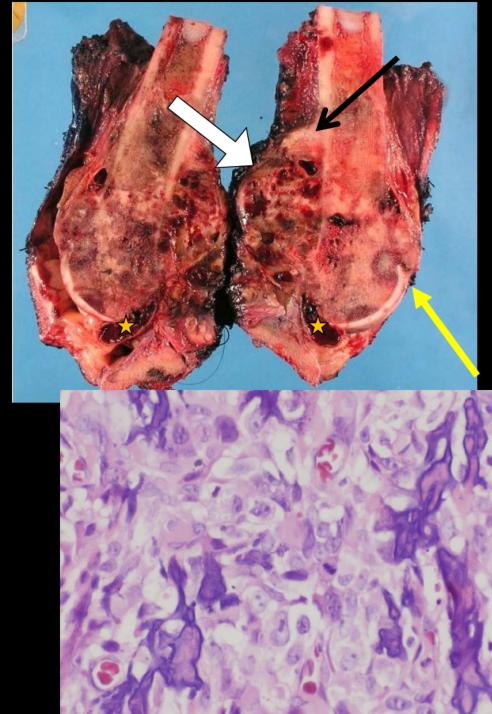












Intramedullary Osteosarcoma



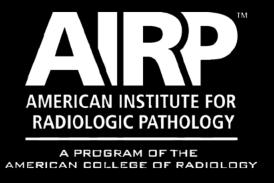


MSK Best Case Runner Up March – April 2019

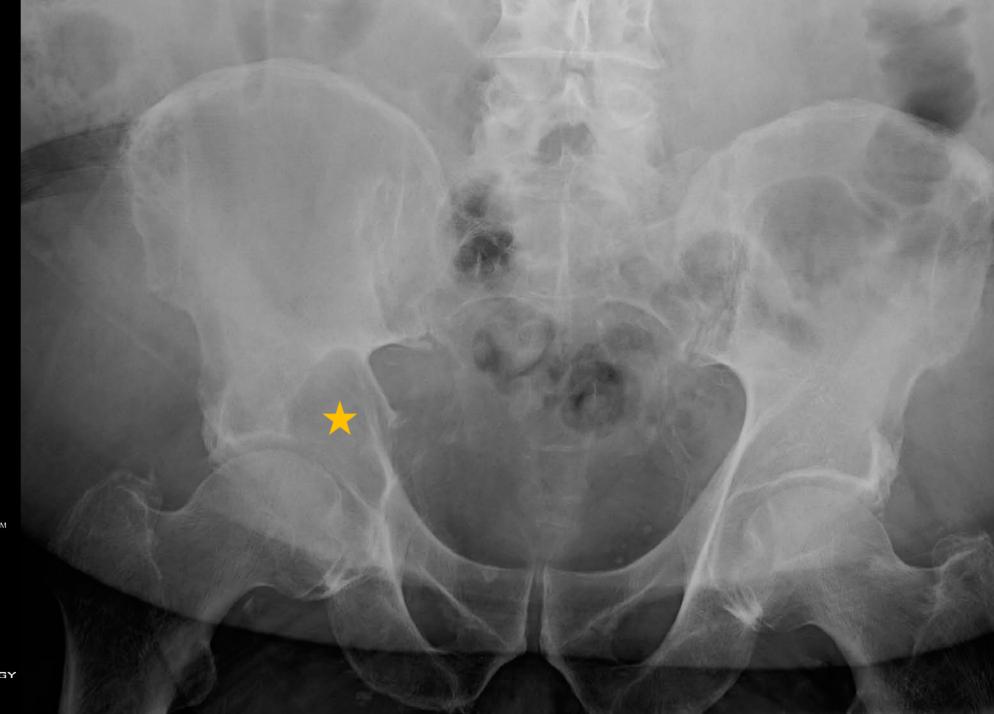


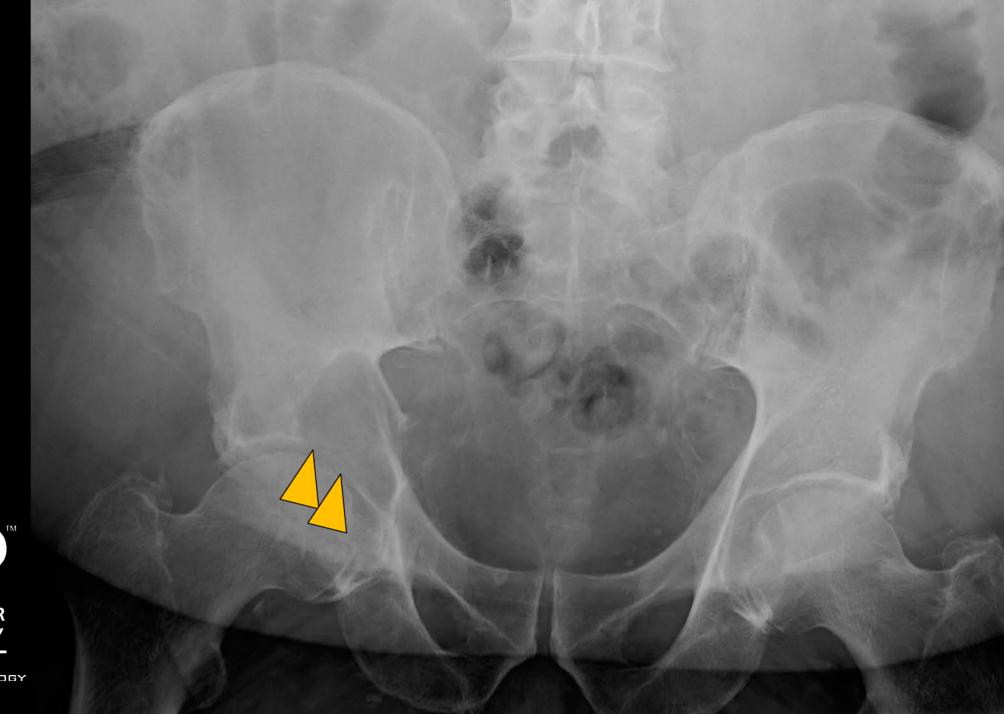
Clinical information

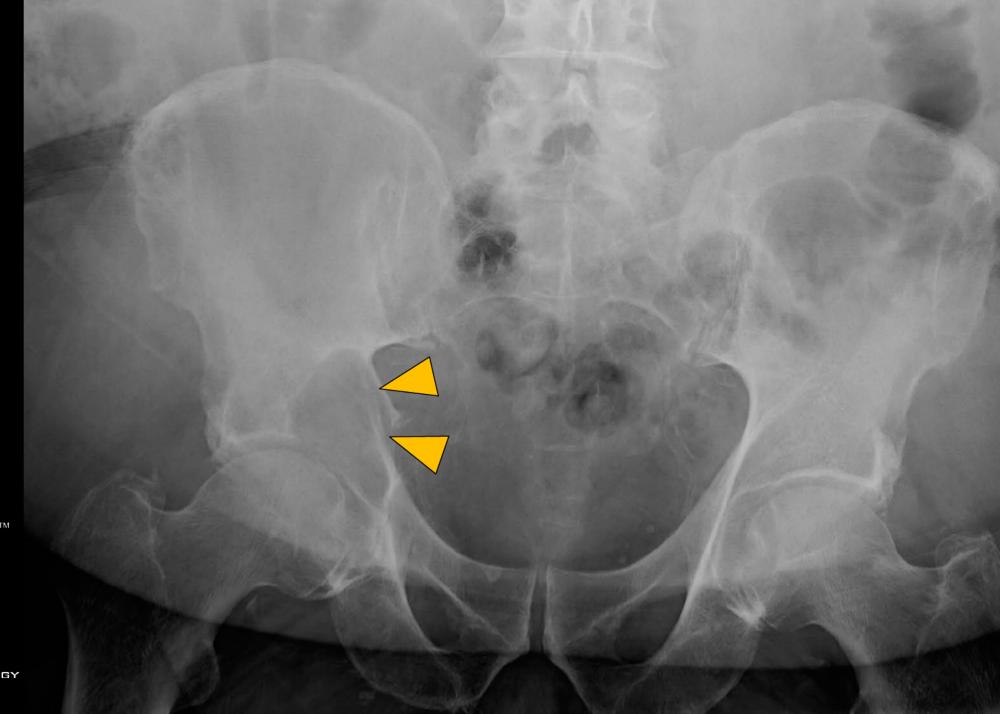
69 year old Caucasian male with a history of progressive pain in his right hip for several months

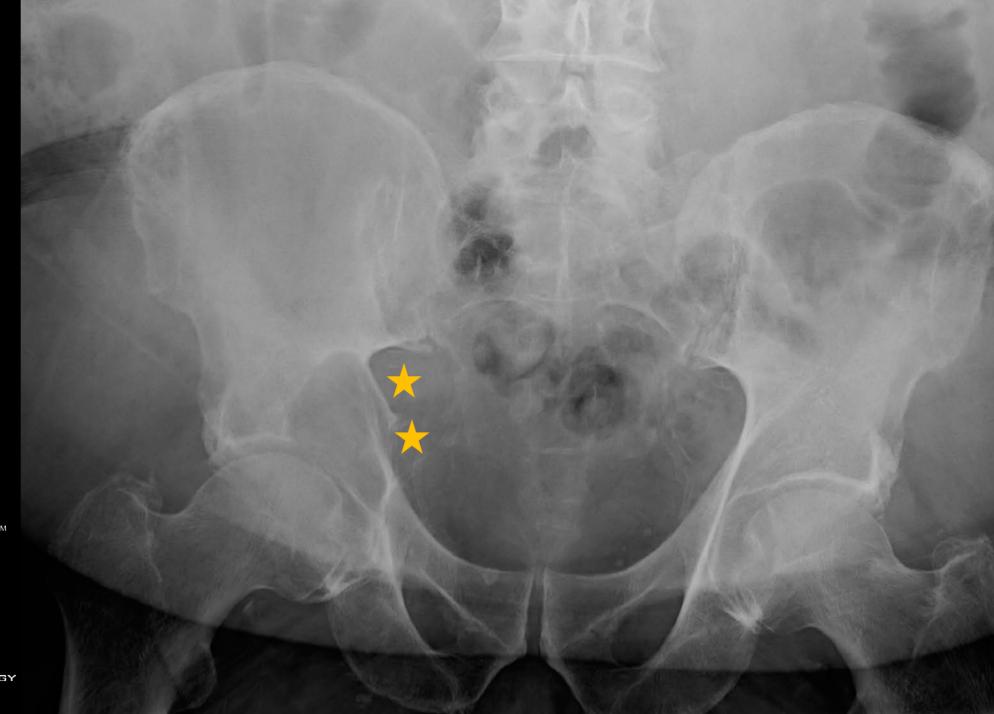




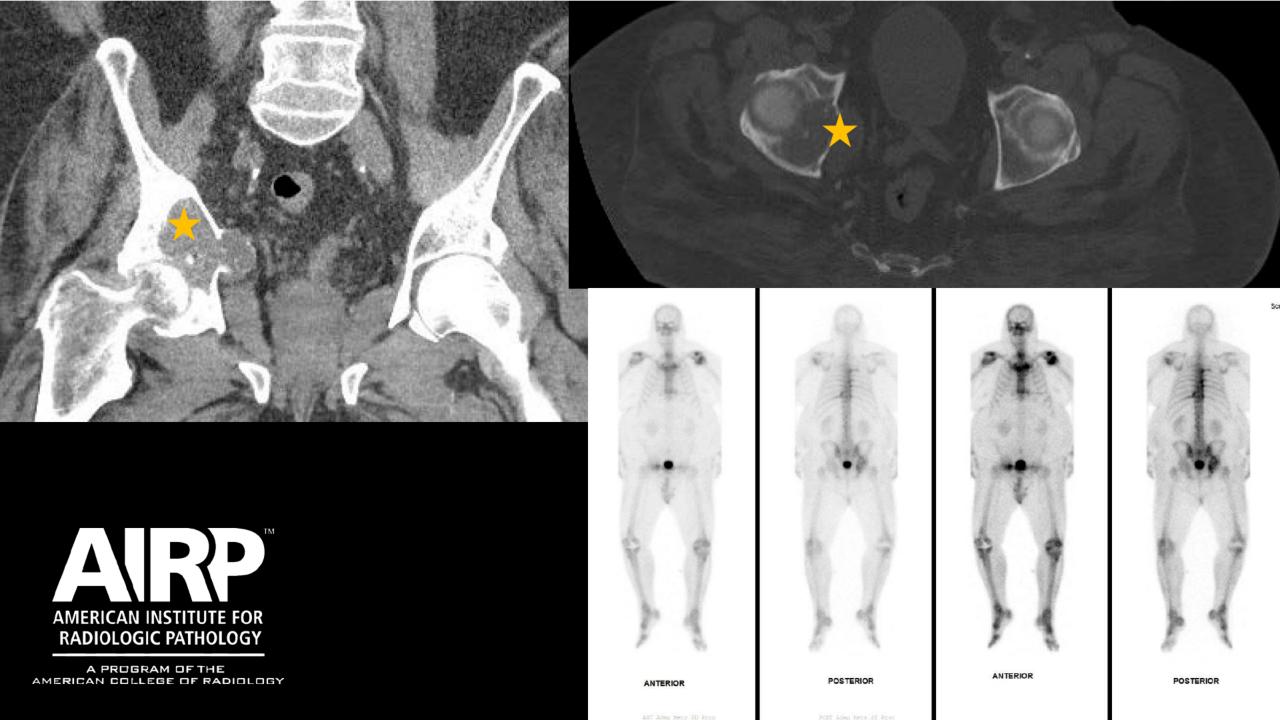


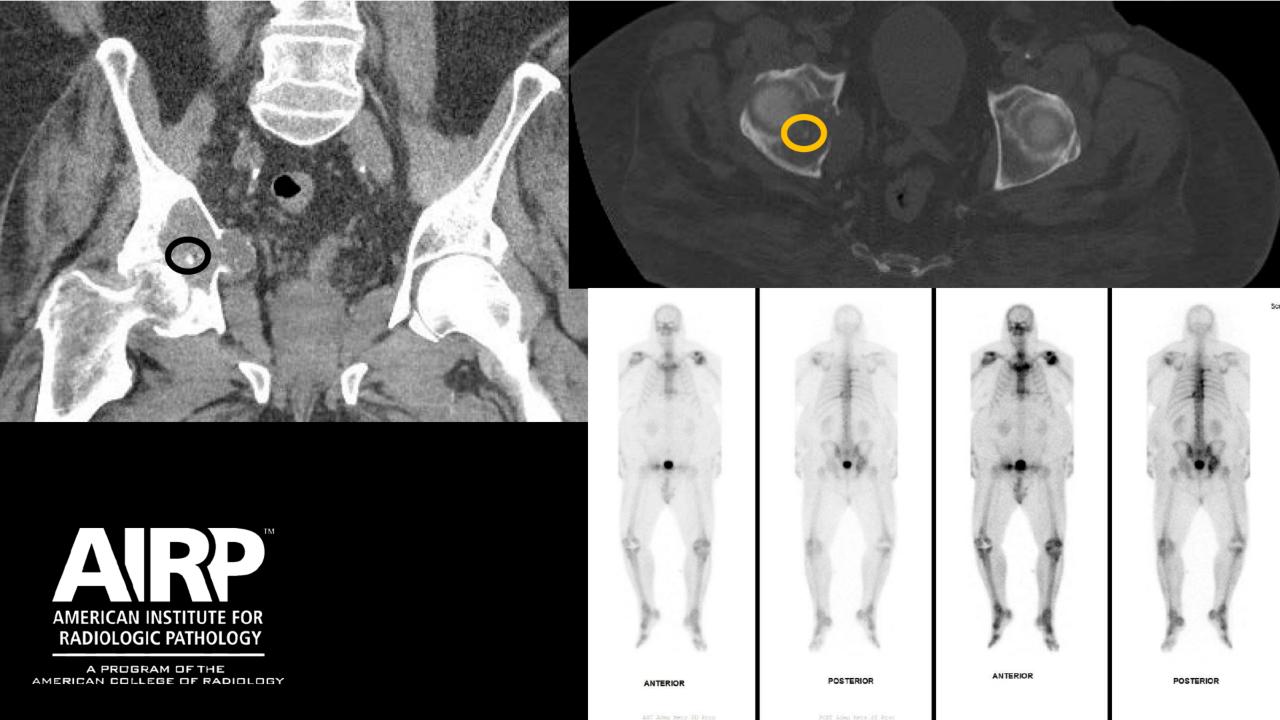




















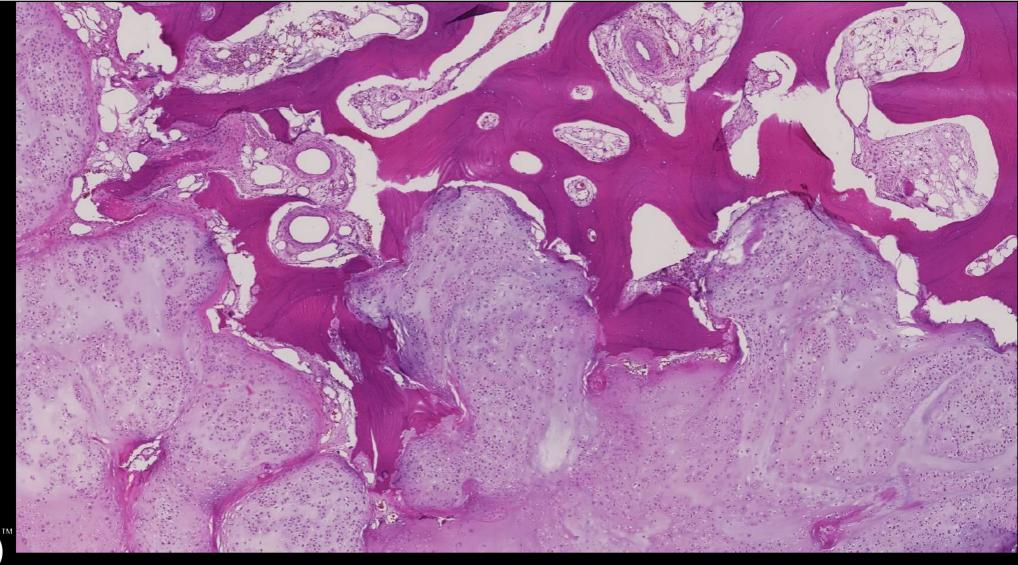




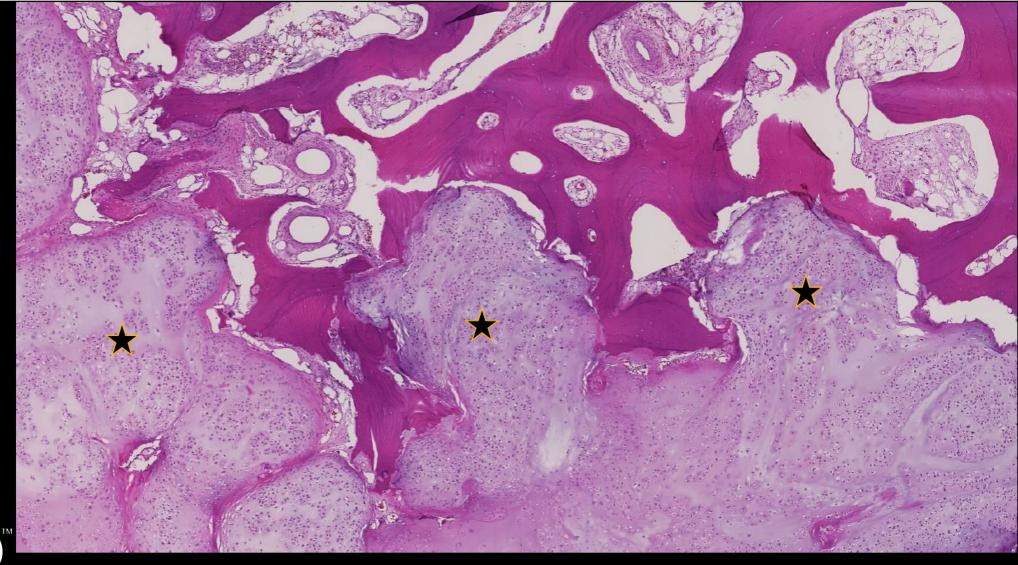




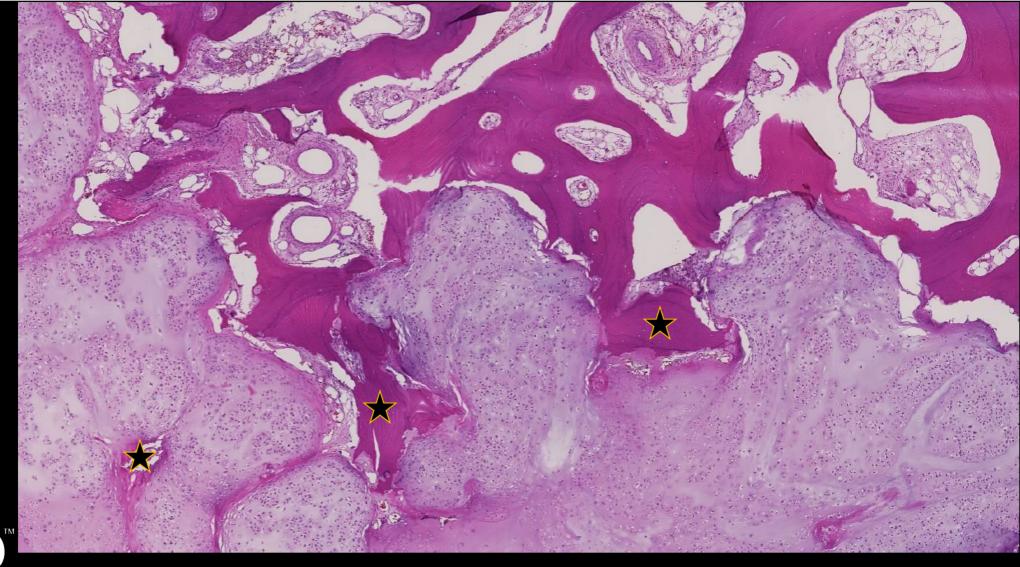




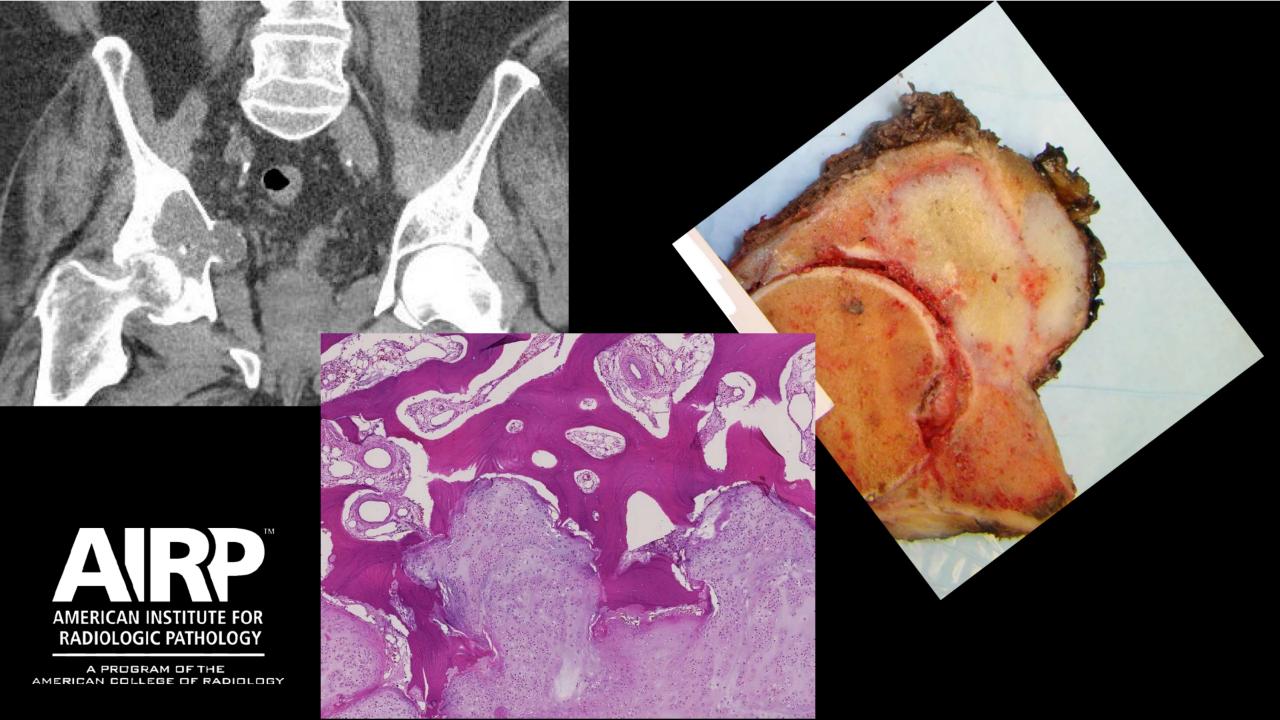


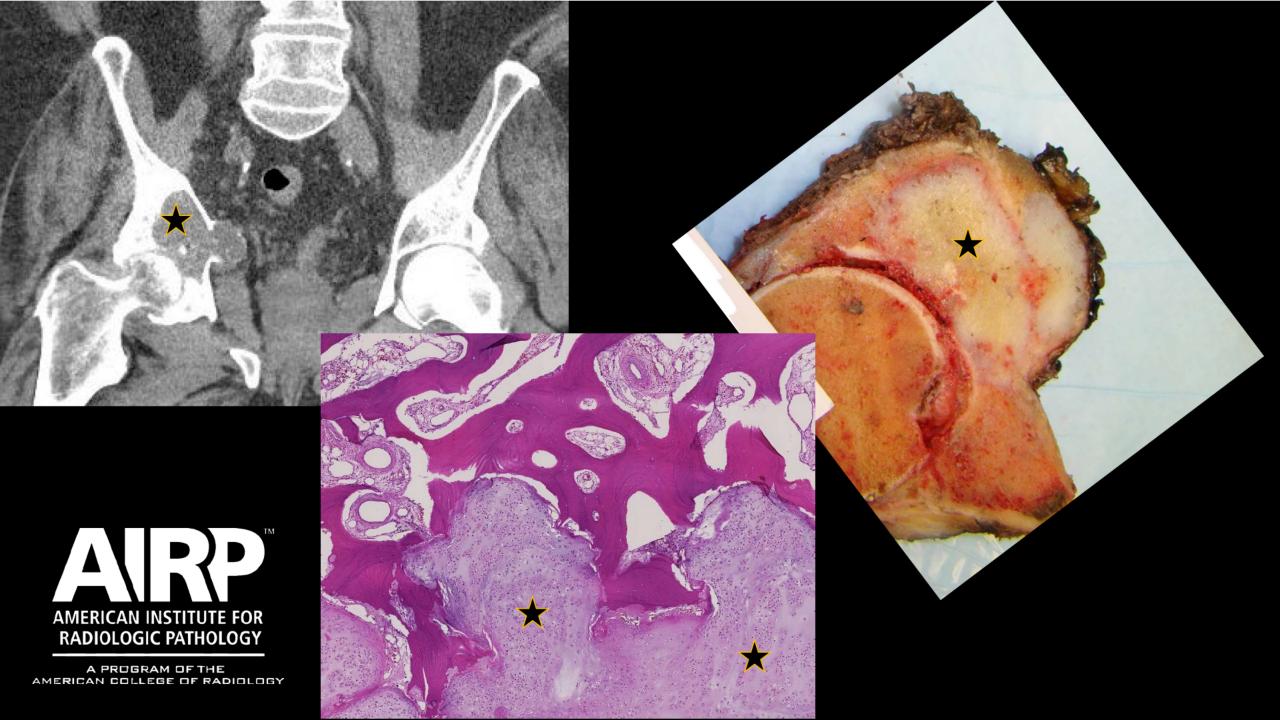


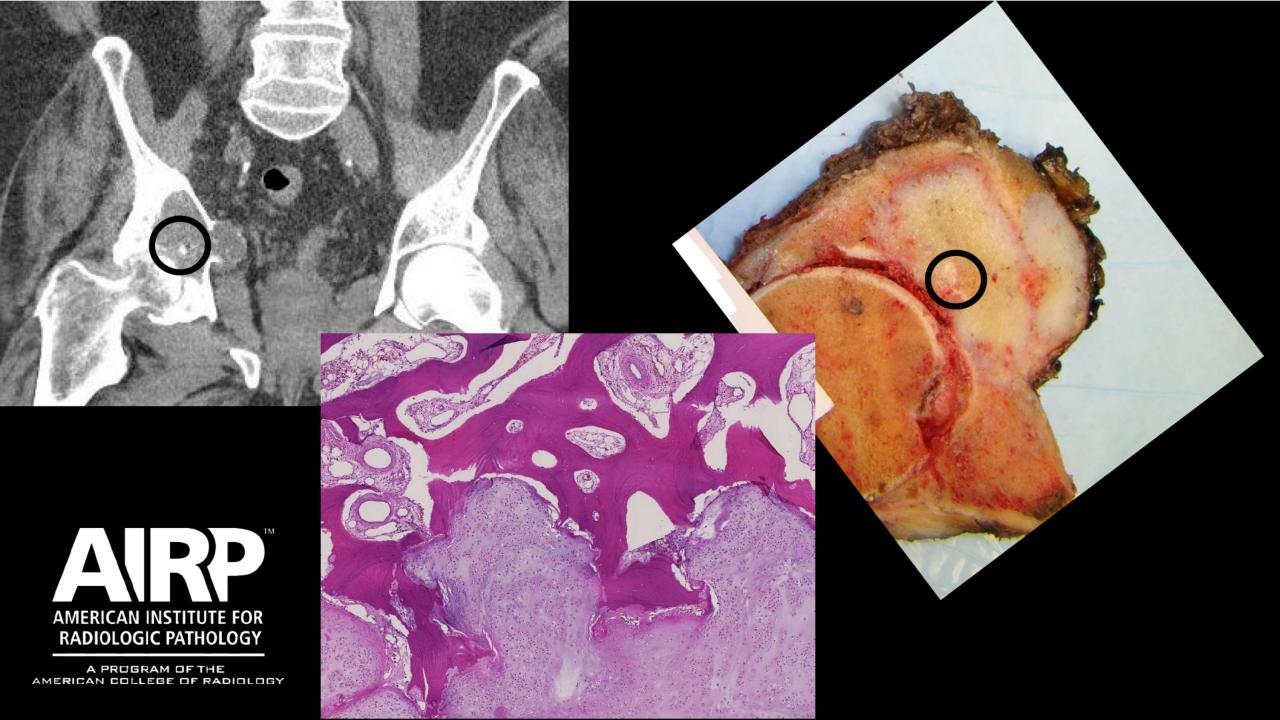


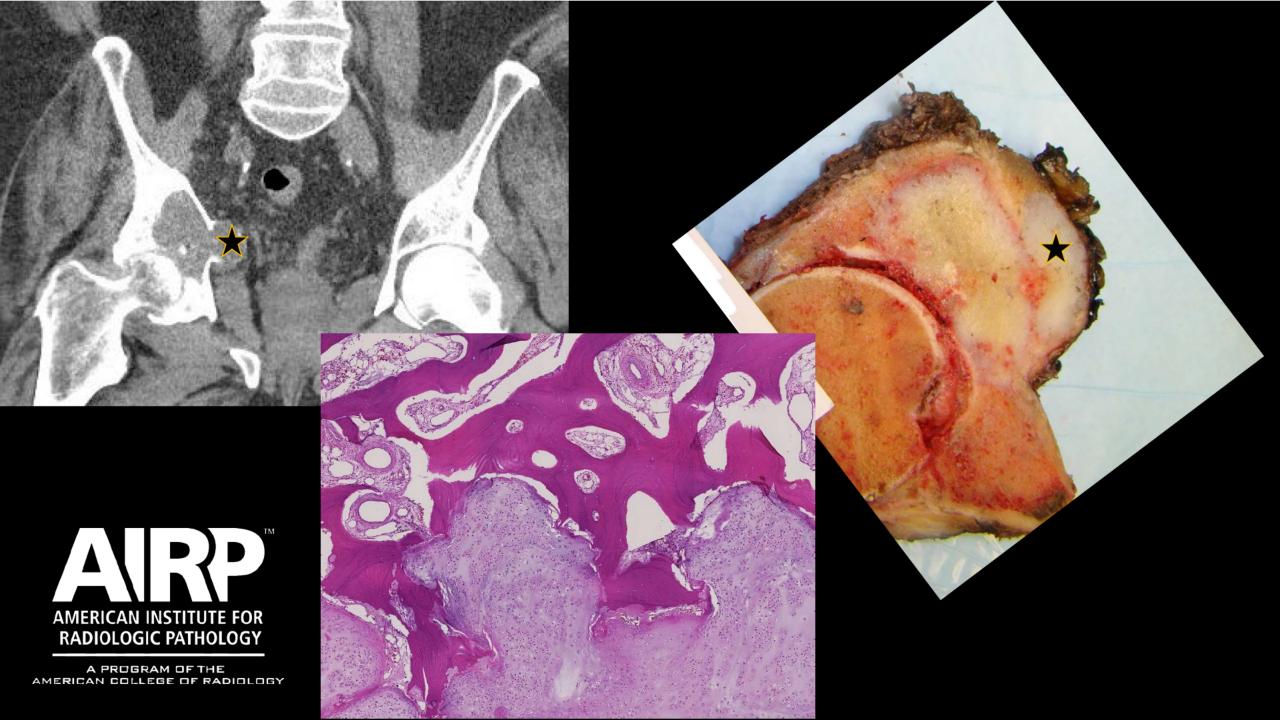




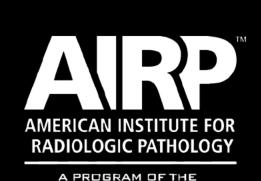








Chondrosarcoma



AMERICAN COLLEGE OF RADIOLOGY

Dr. Sohrab Nazertehrani Albany Medical Center Albany, New York