

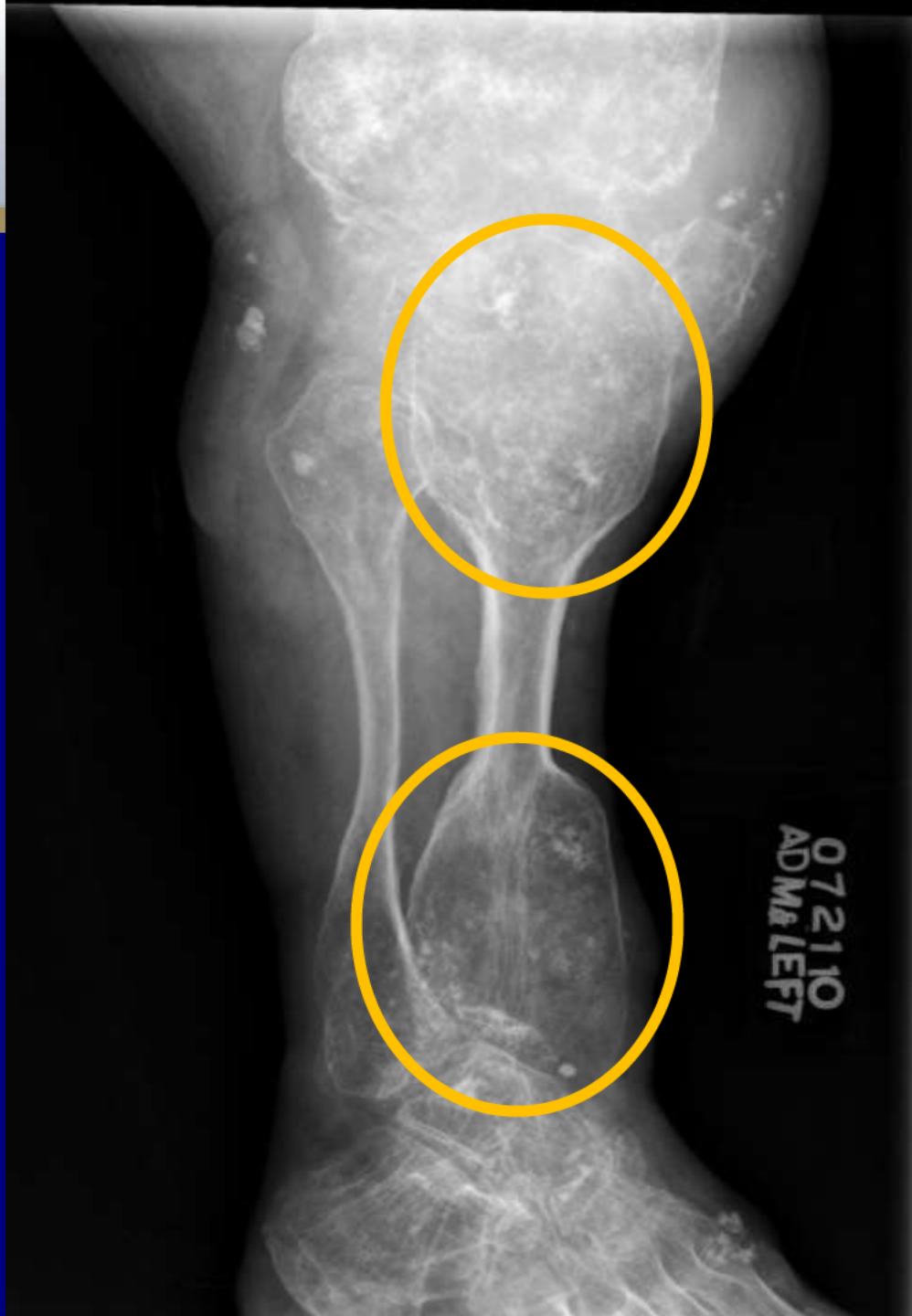
BEST CASES OF THE AIRP

March 5 – March 30, 2012

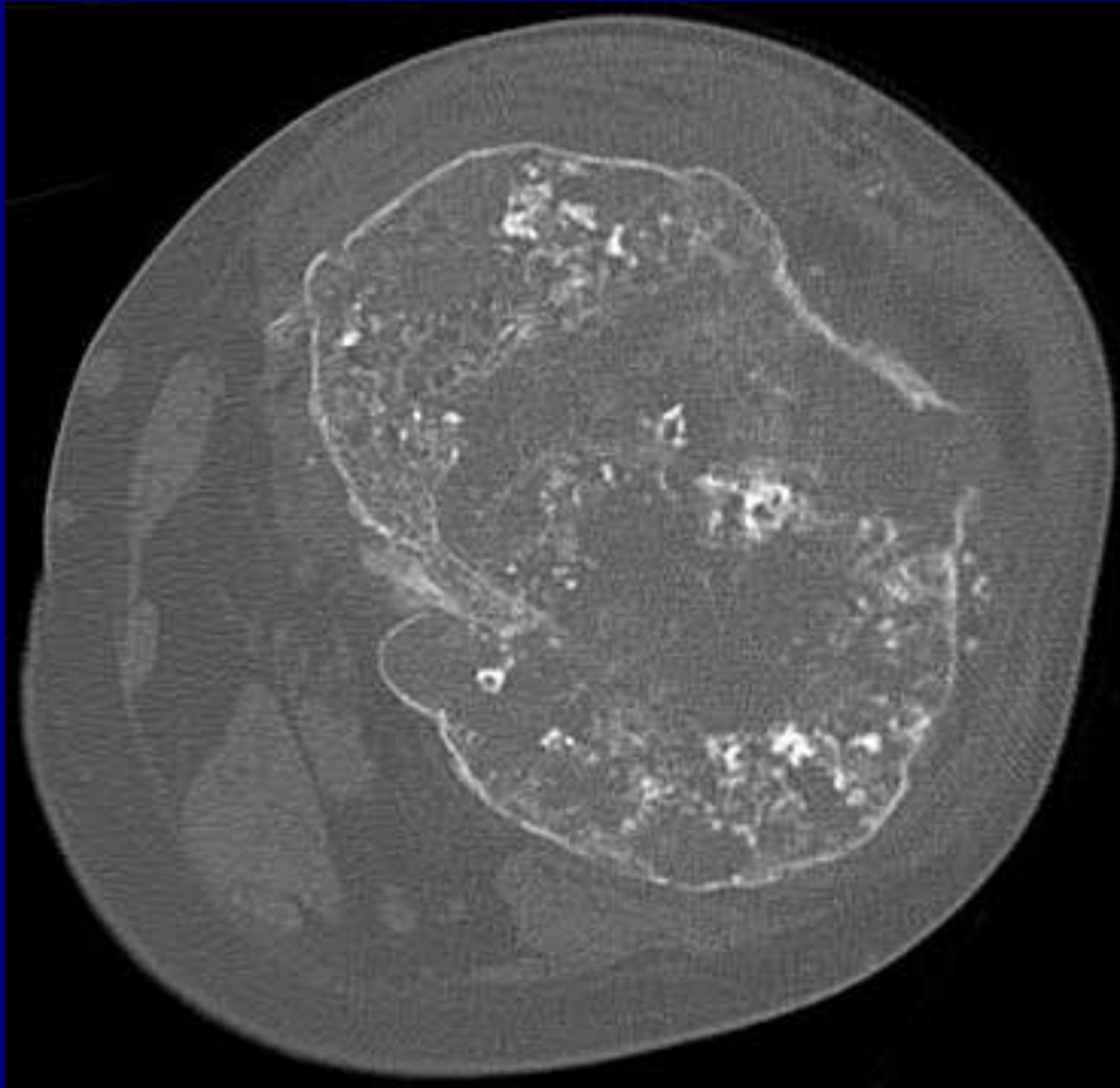
Musculoskeletal Best Case

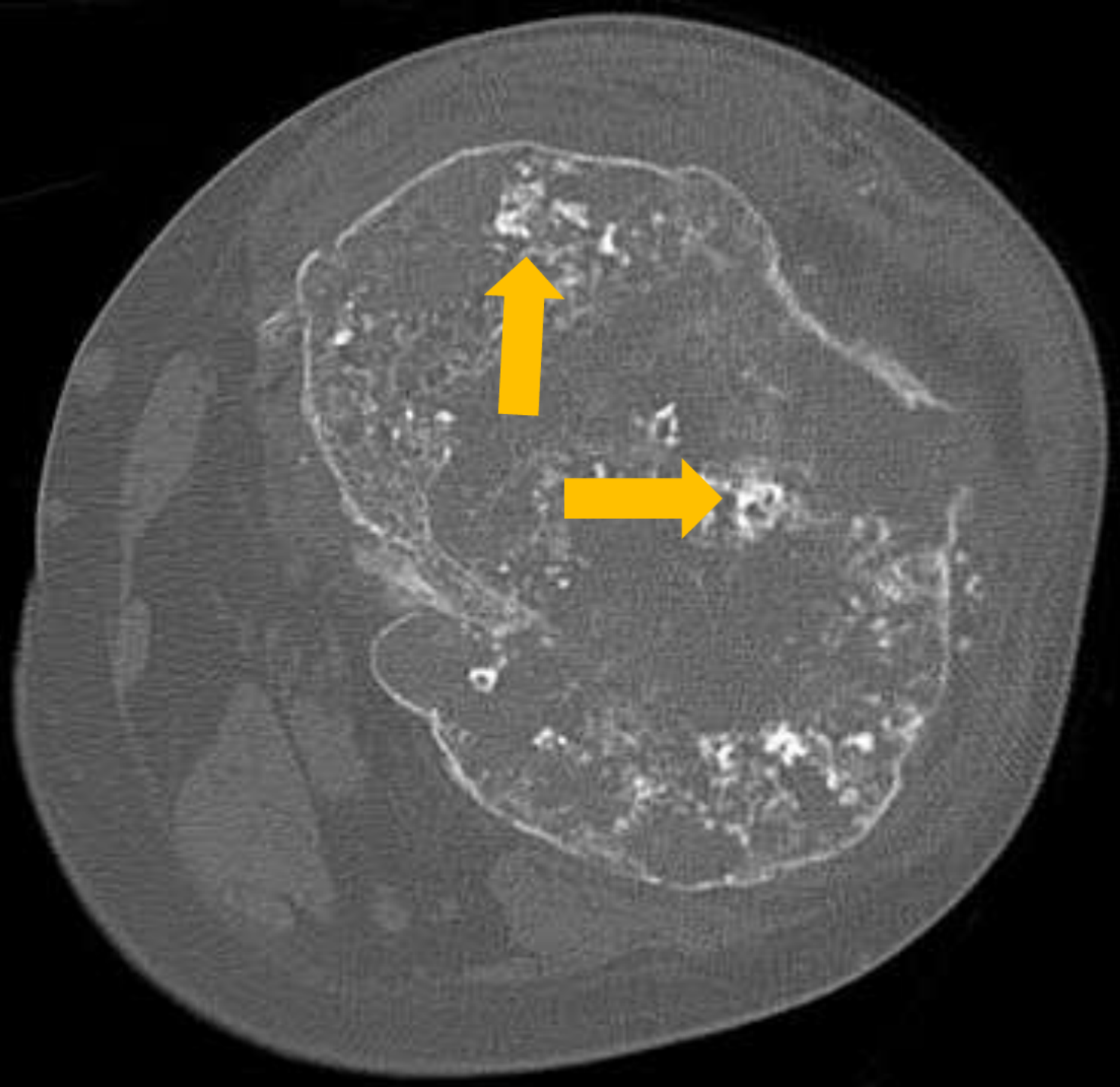
43-year-old male with two year history of left knee pain. His pain is now causing lifestyle modifications and he states that his knee “hardly bends at all.”

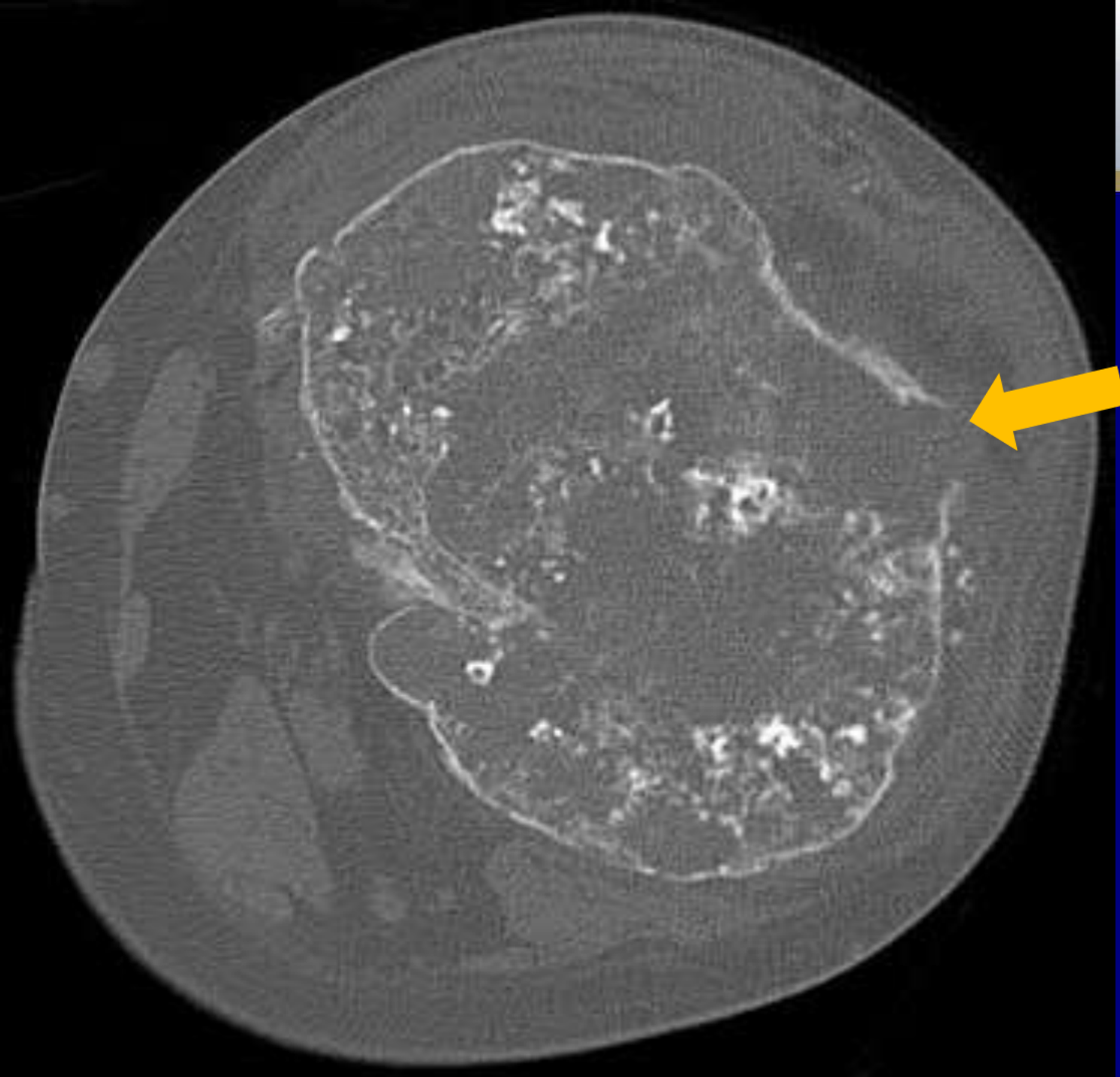


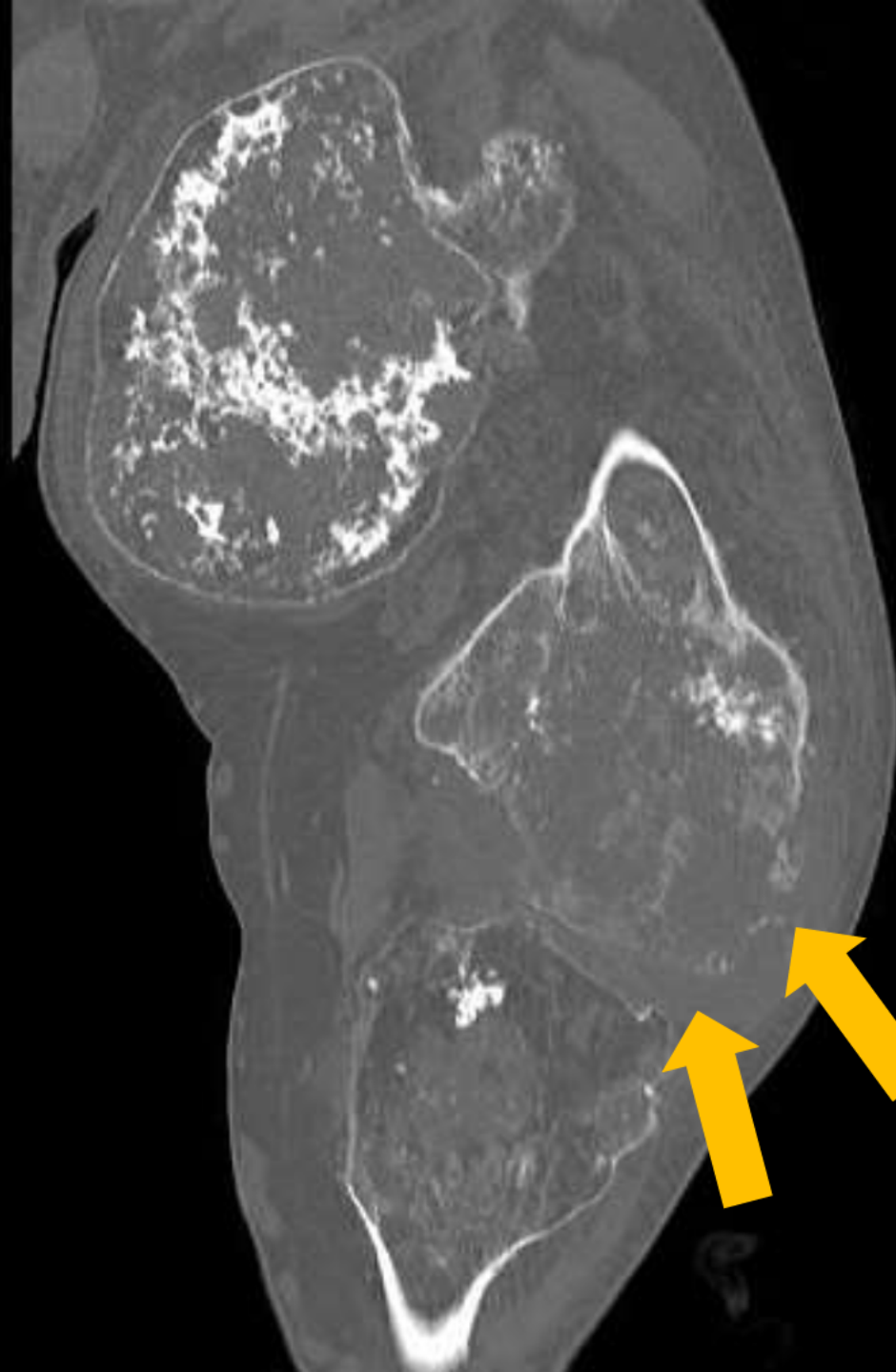




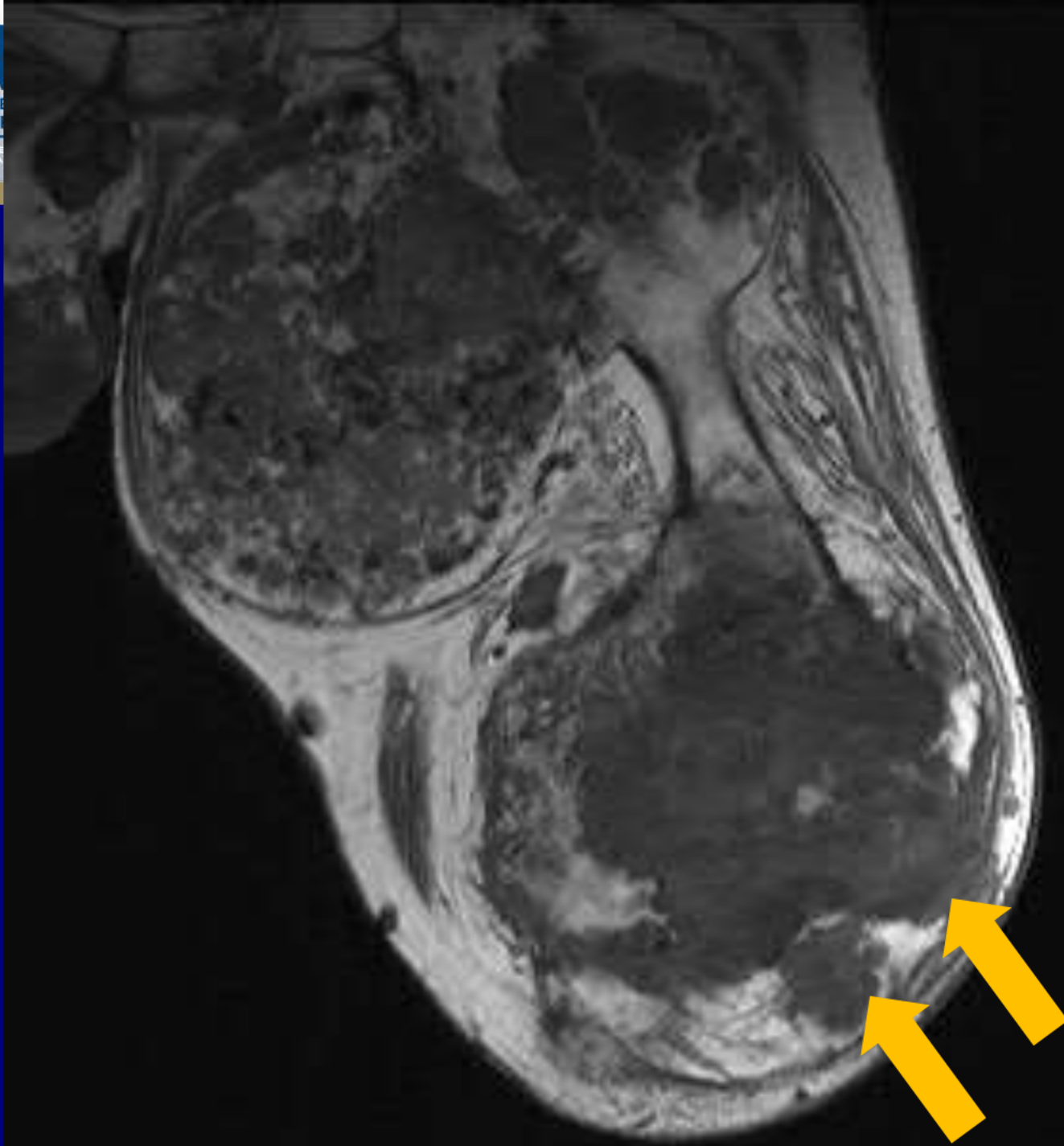


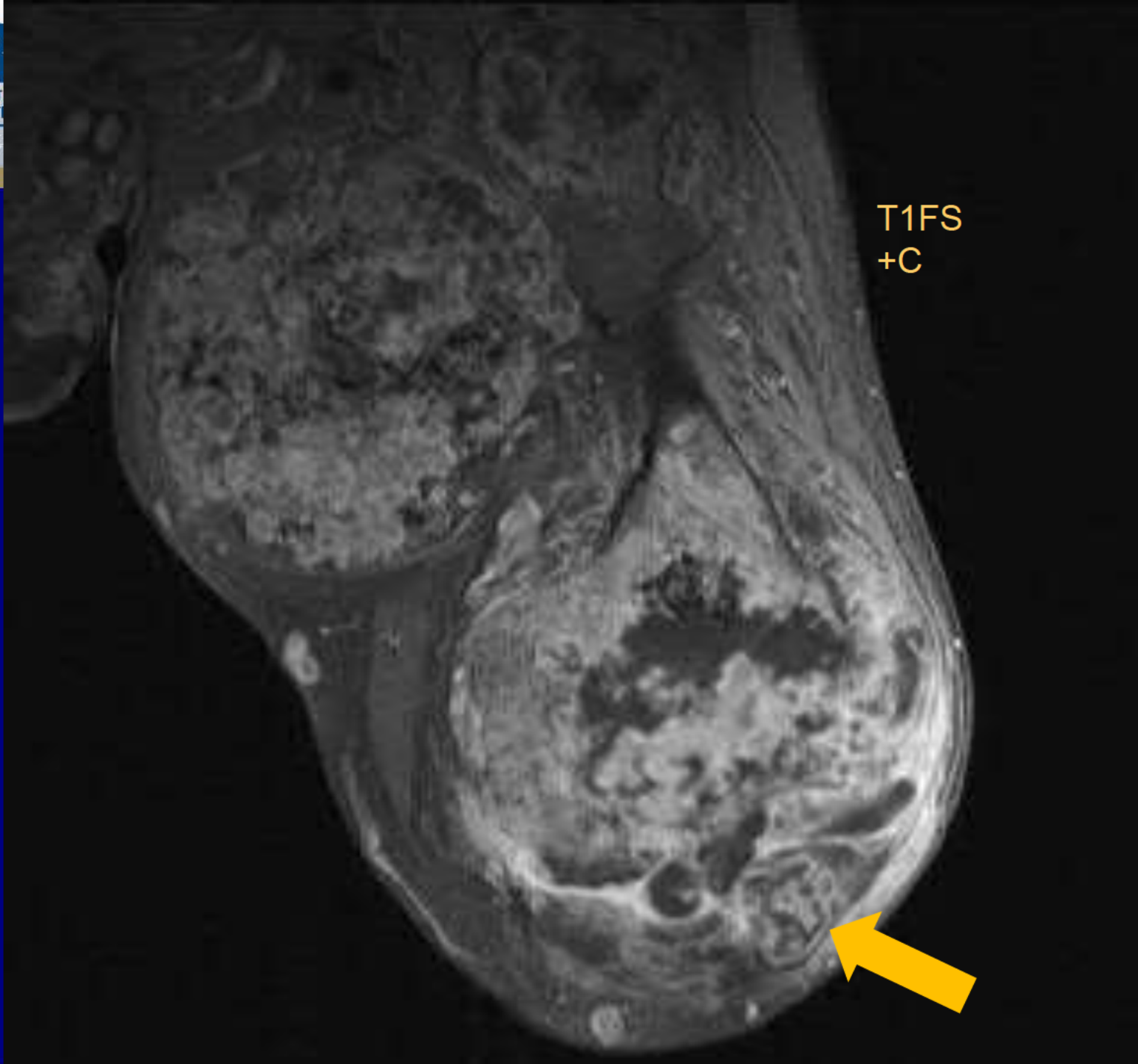






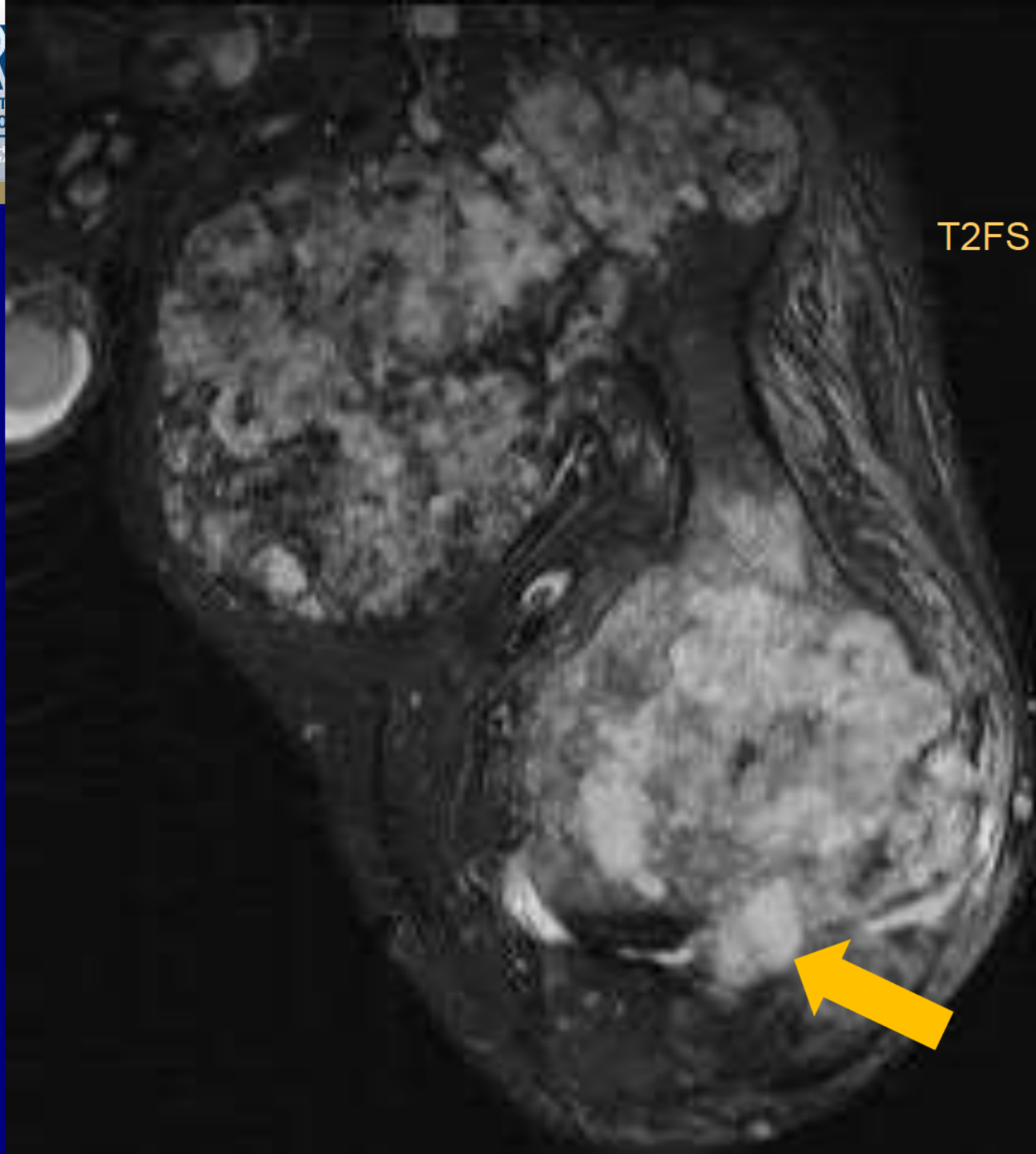
T1



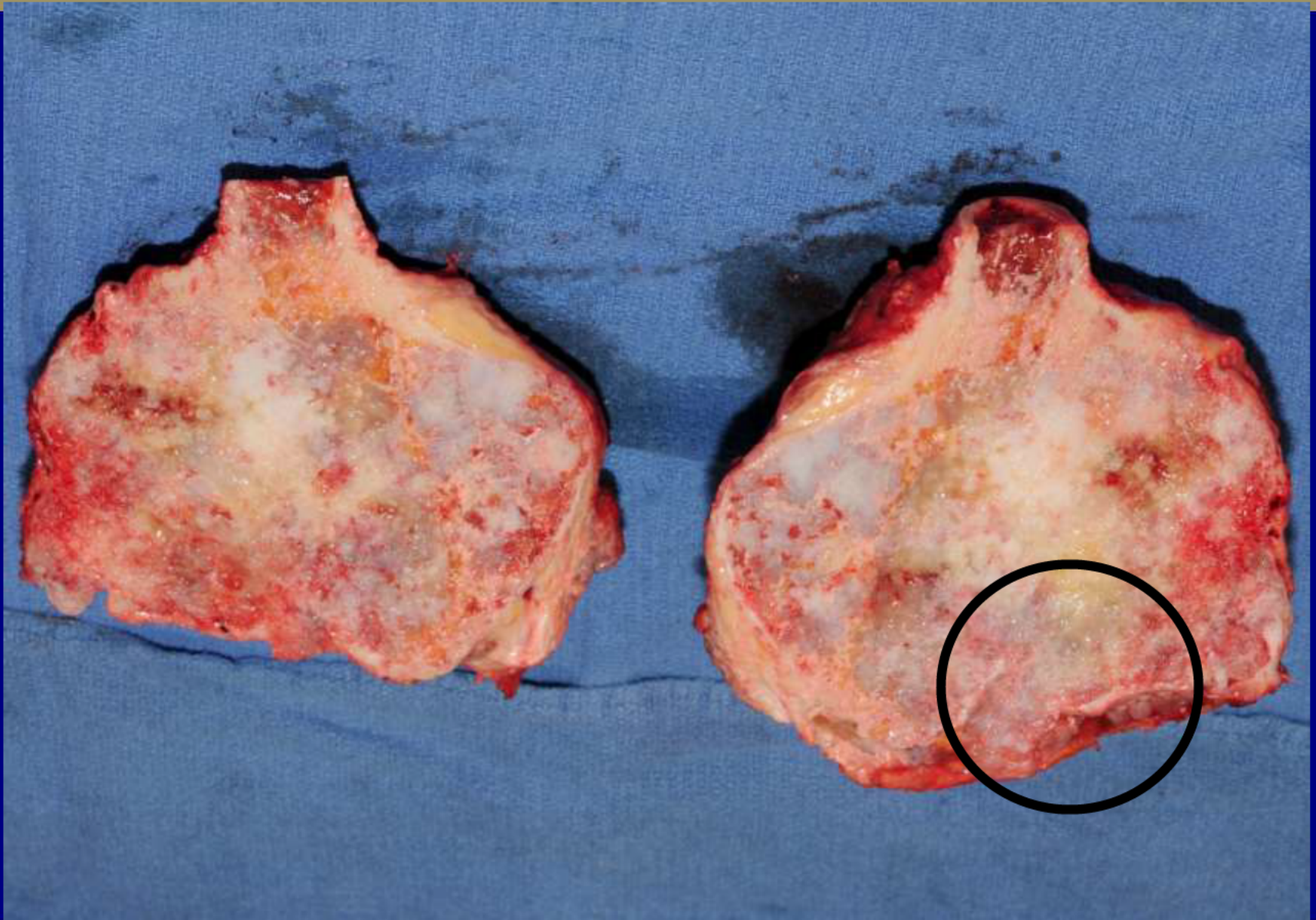


T1FS
+C

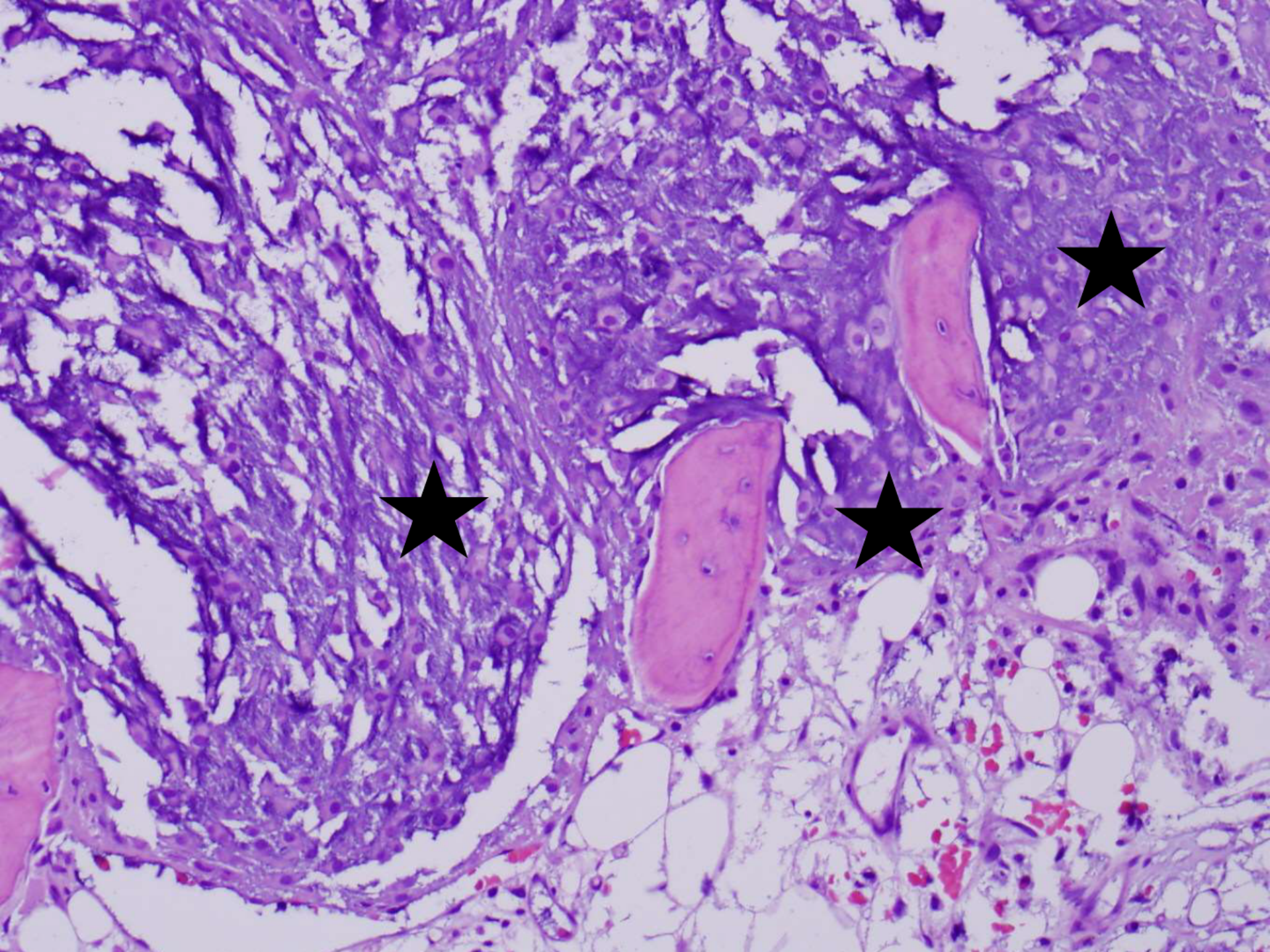
T2FS

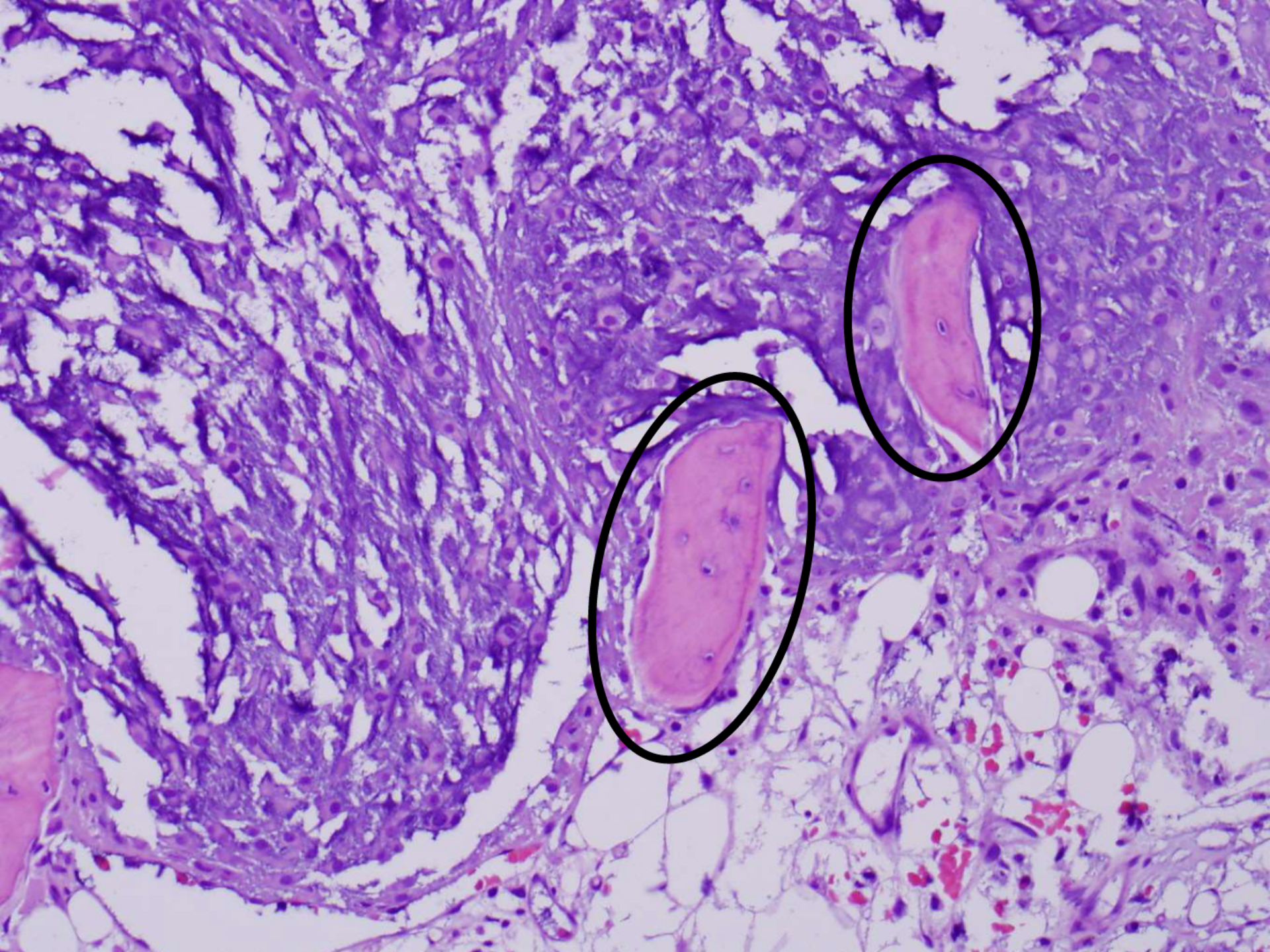


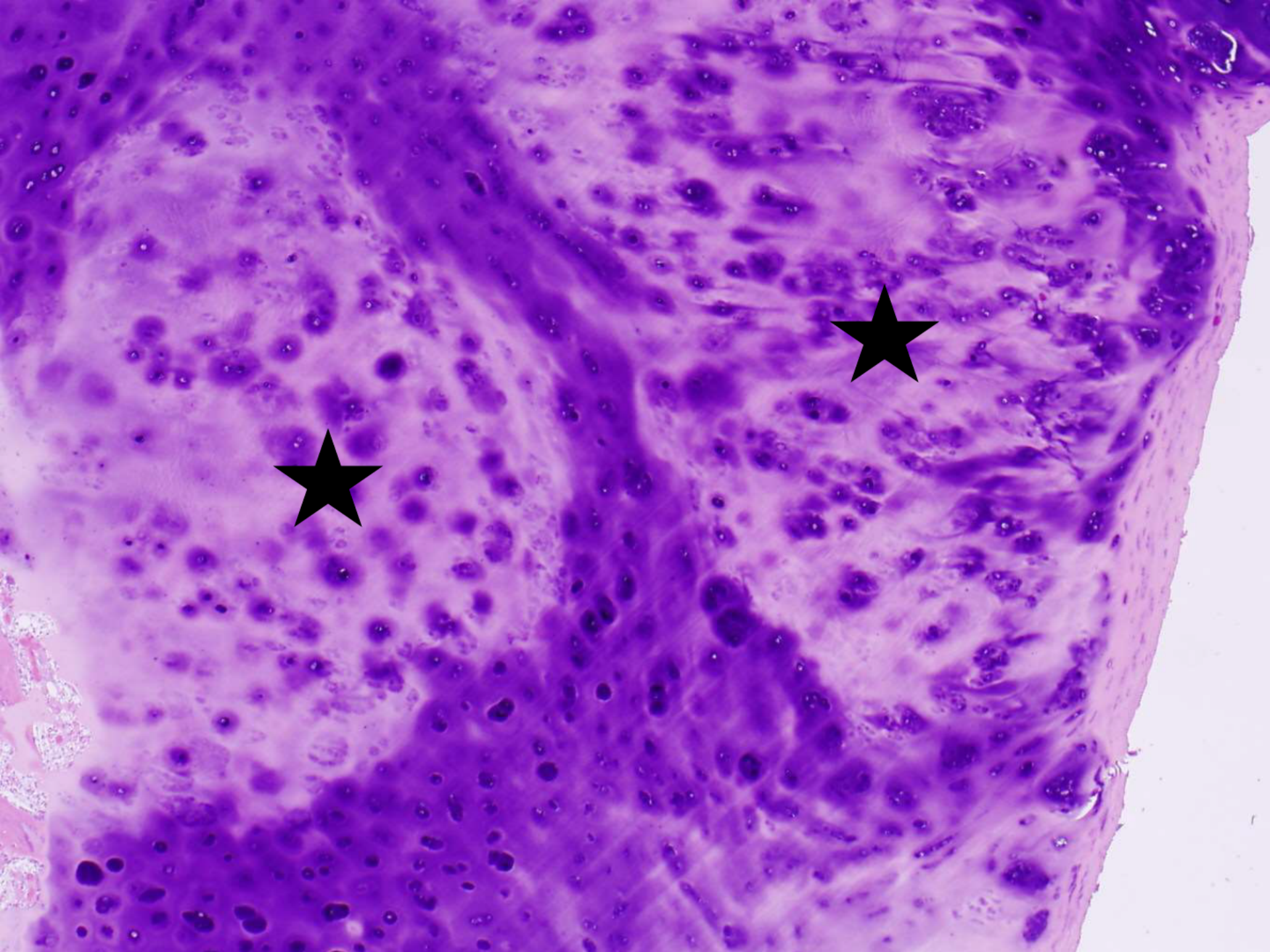












Maffucci Syndrome with Malignant Transformation to Chondrosarcoma

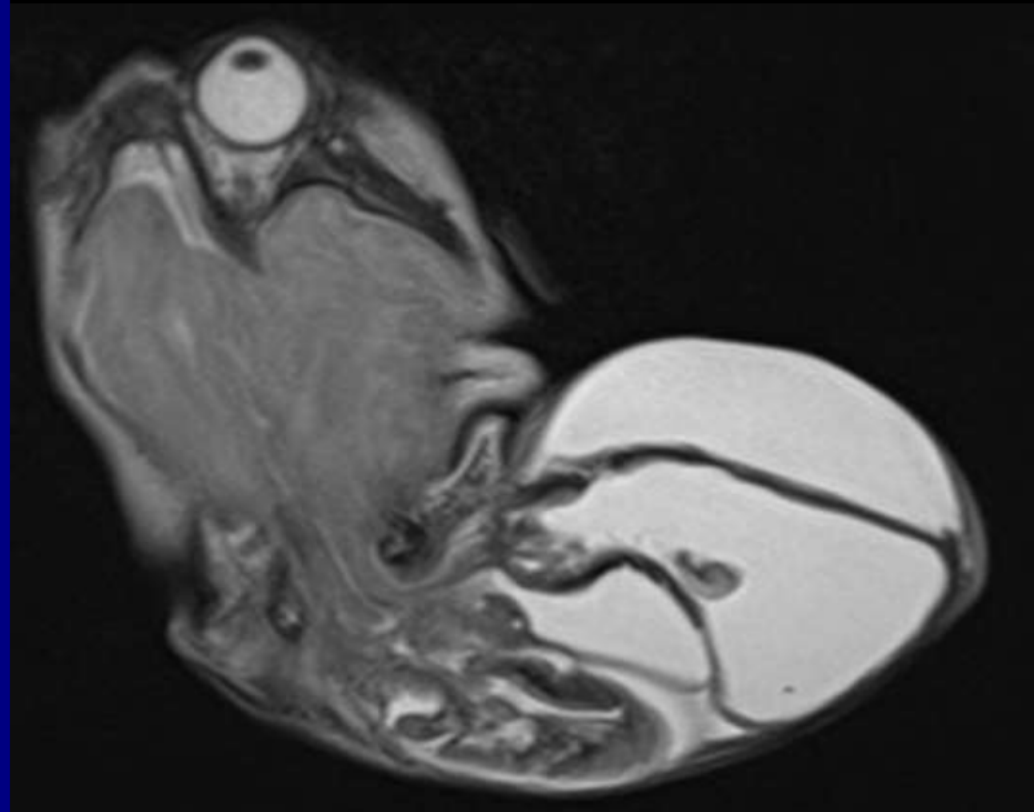
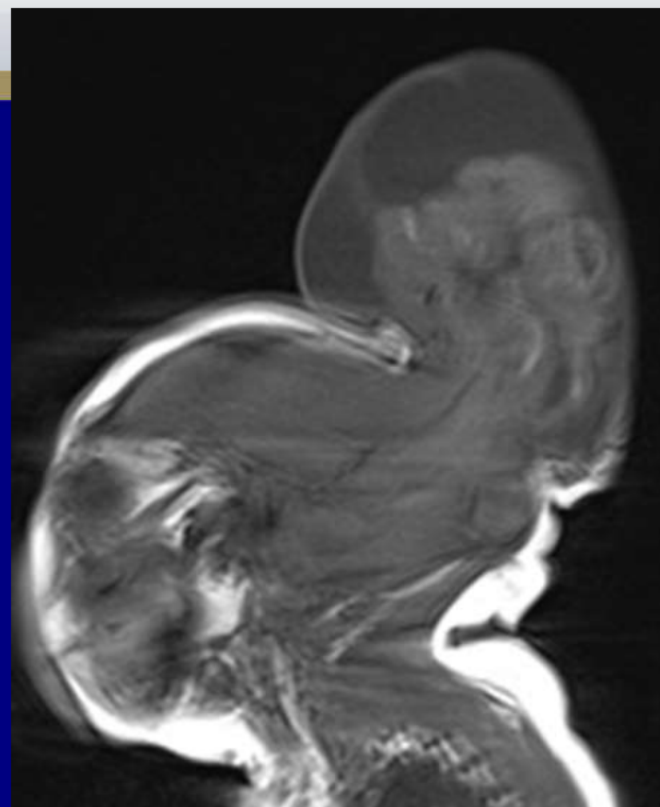
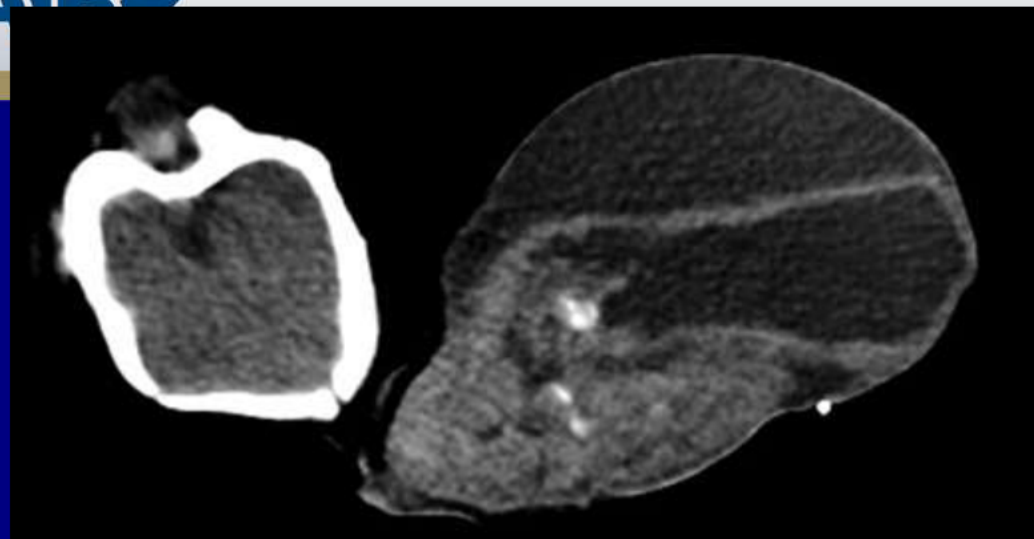
Kristopher Foreman, MD

Mayo Clinic

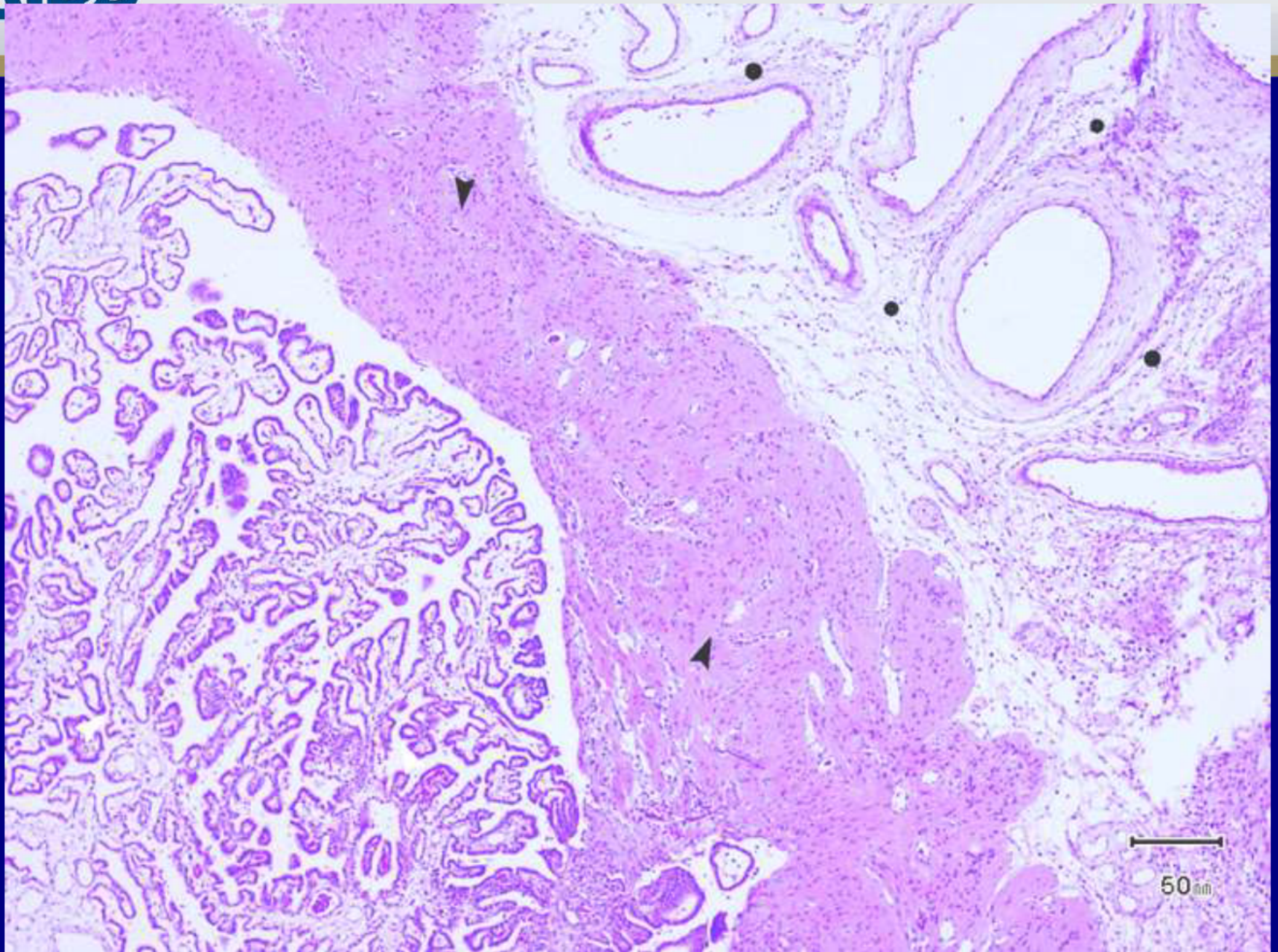
Jacksonville, Florida

Neuroradiology Best Case

Newborn baby boy delivered at gestational age of 34 weeks and 4 days through spontaneous vaginal delivery, appearing vigorous, pink, acrocyanotic, and microcephalic with a large sac at the occipital area measuring approximately 8 x 5 cm with no other dysmorphic features.





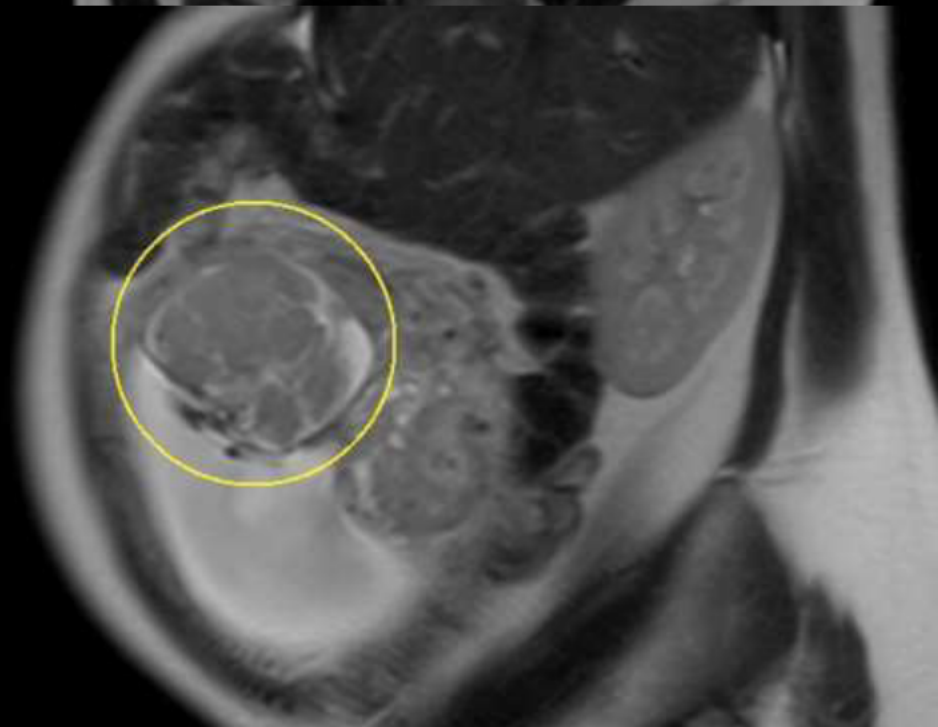
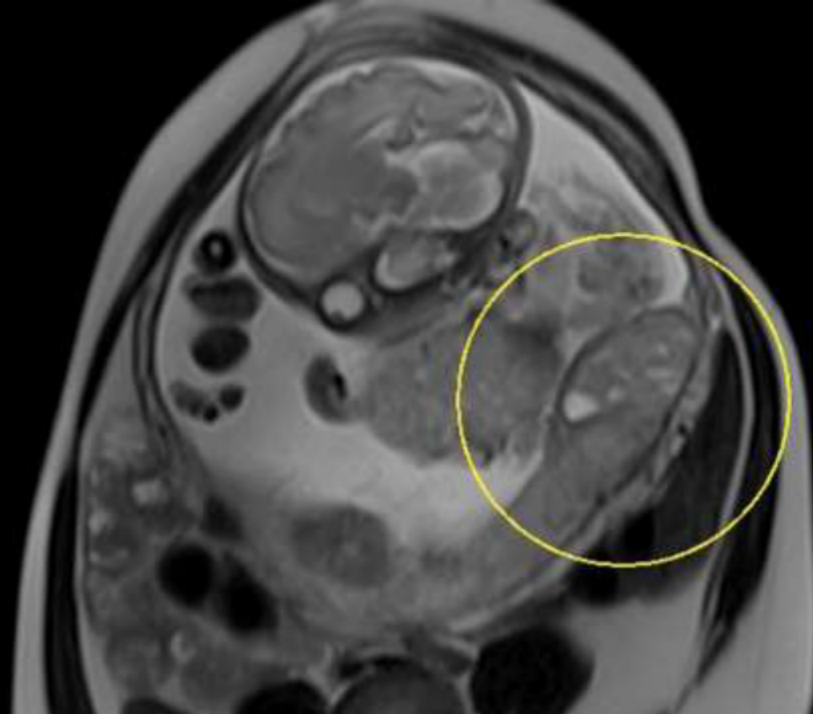


Encephalocele

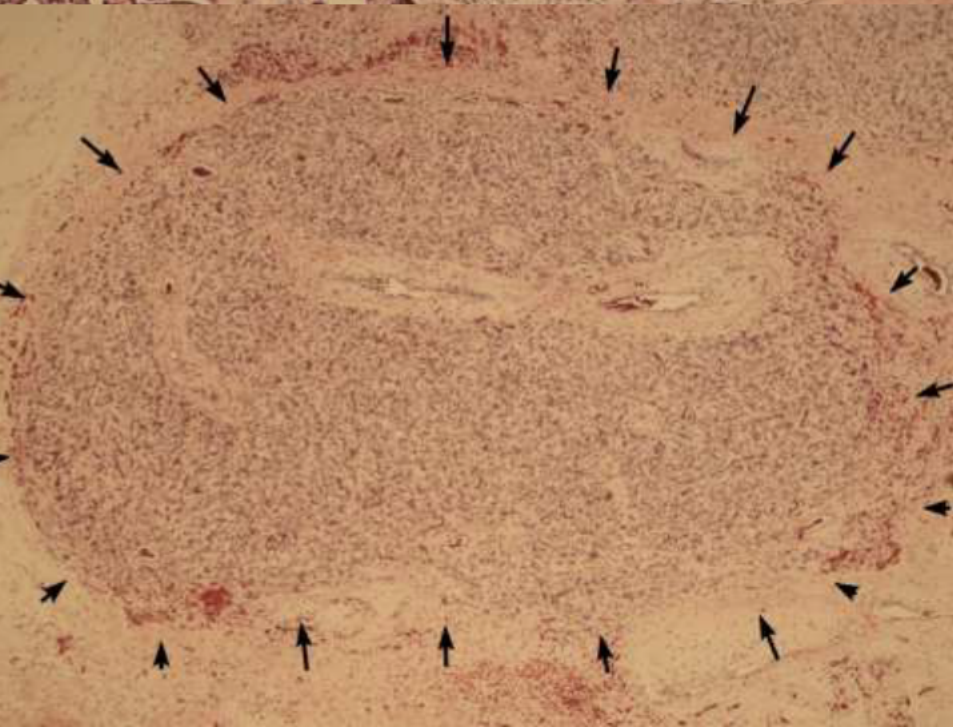
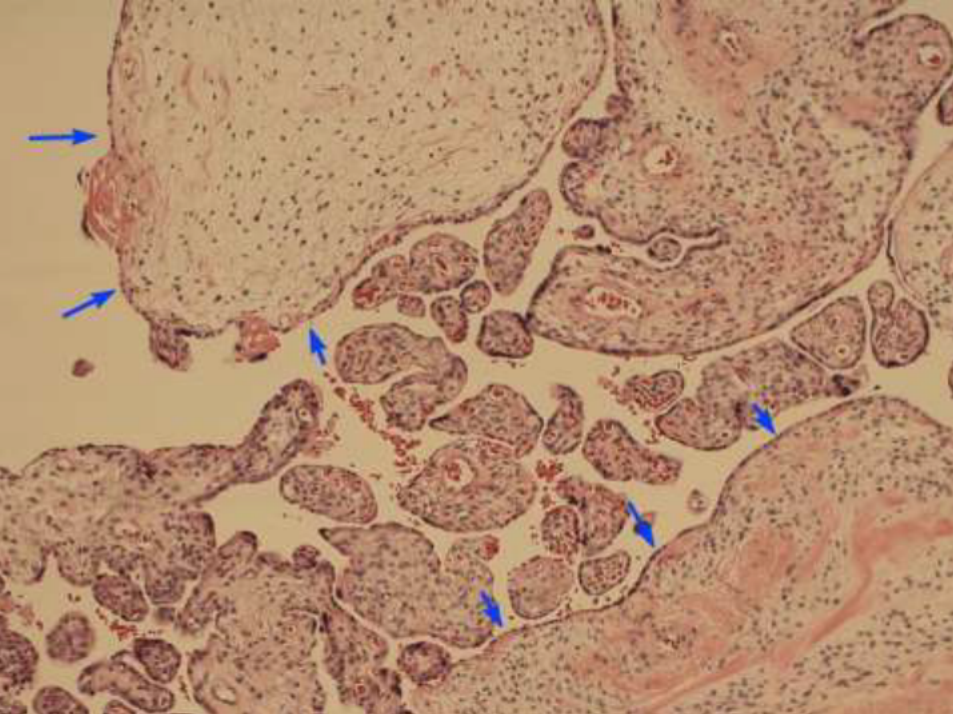
Leena Alwafi, MBBS
Saudi Arabia Diagnostic Radiology
Residency Program
Jeddah, Saudi Arabia

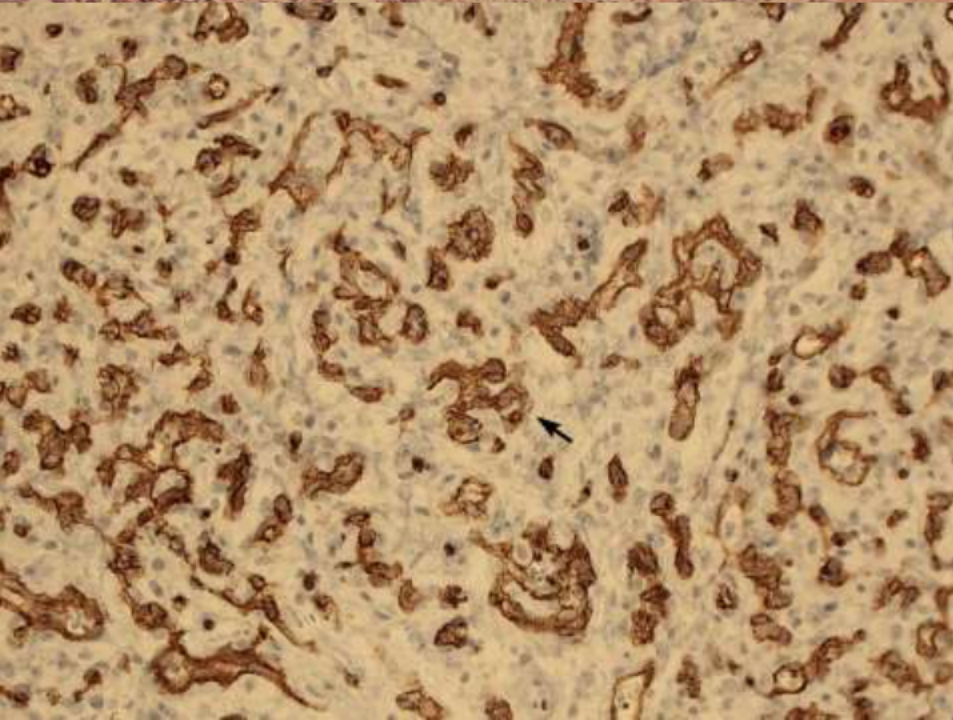
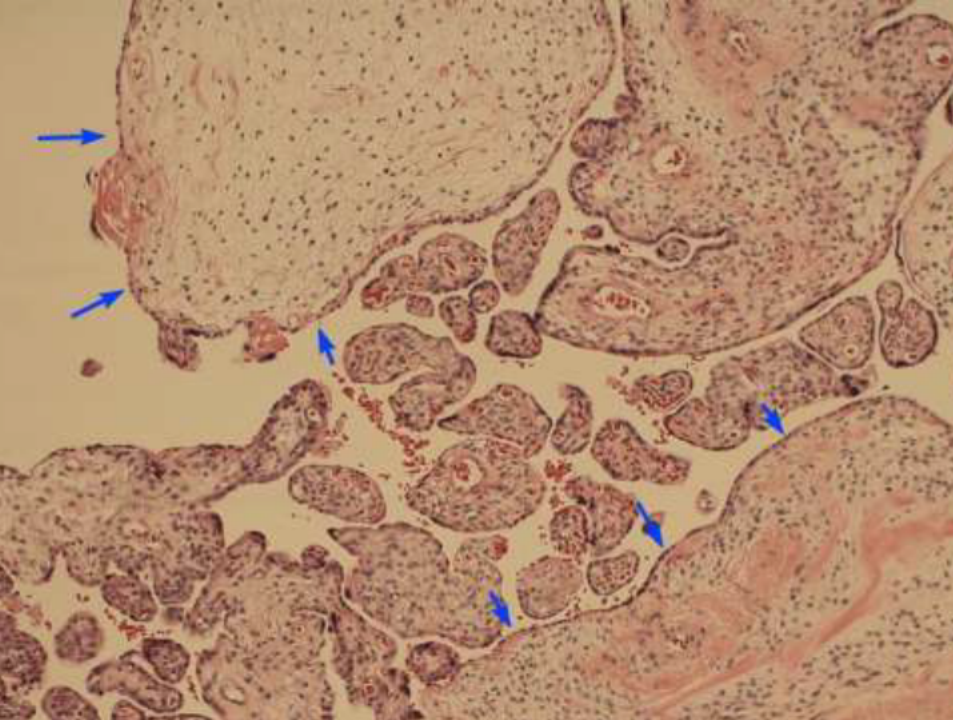
Genitourinary Best Case

33-year-old G1P0 with unremarkable pregnancy until a second trimester fetal screening ultrasound



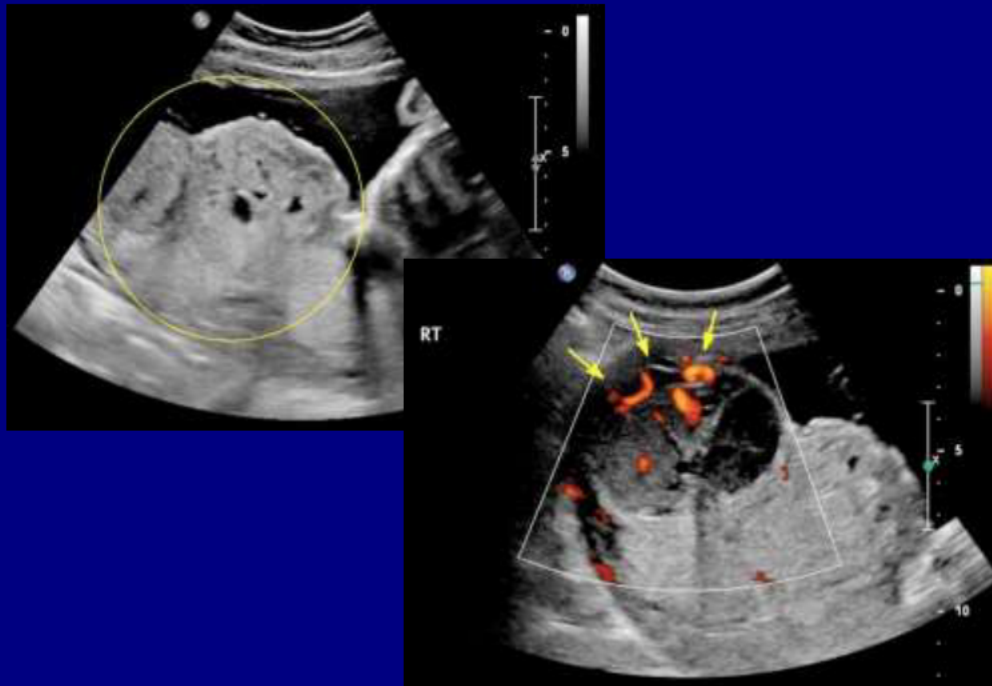




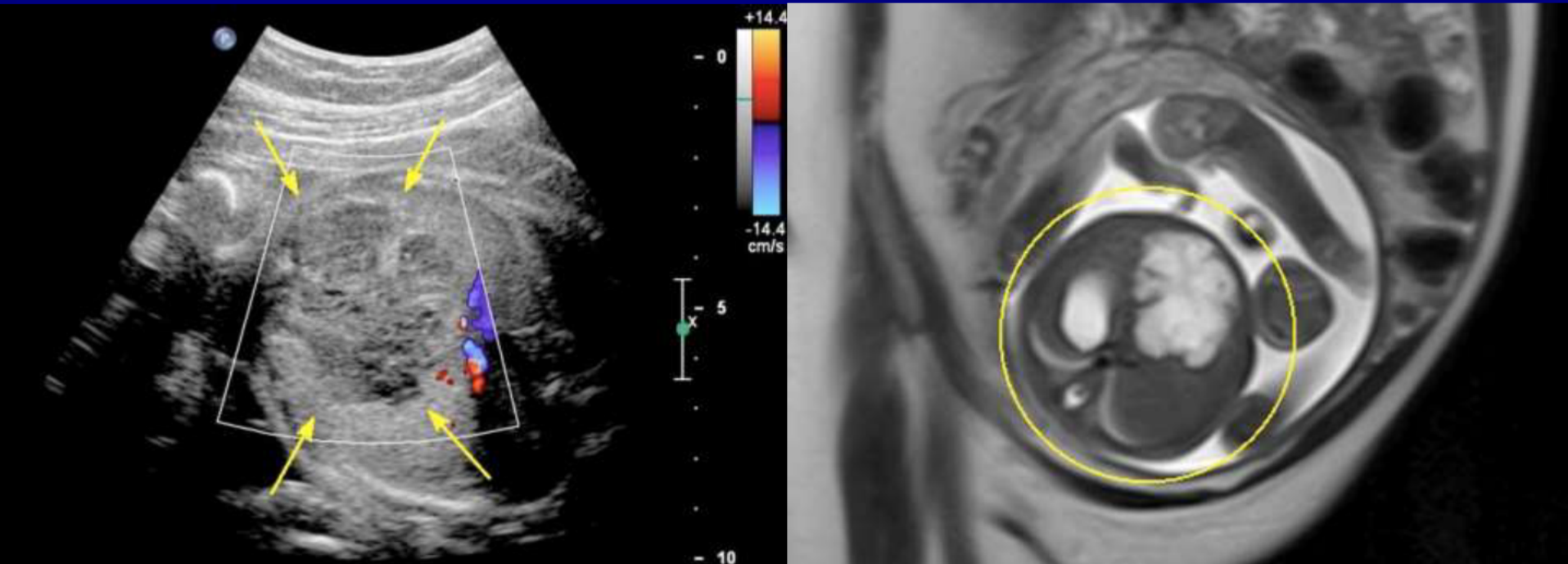


Concomitant Placental Mesenchymal Dysplasia and Chorangioma

- Differential diagnosis
 - Hydatidiform mole
 - Choriocarcinoma
- Associations
 - Congenital adrenal hyperplasia
 - Mesenchymal hamartoma of the liver
 - Beckwith-Wiedemann
- Complications
 - IUGR
 - Fetal demise
 - Fetal anemia



Fetal Mesenchymal Hamartoma of the Liver



Concomitant Placental Mesenchymal Dysplasia and Chorangioma (with Fetal Mesenchymal Hamartoma of the Liver)

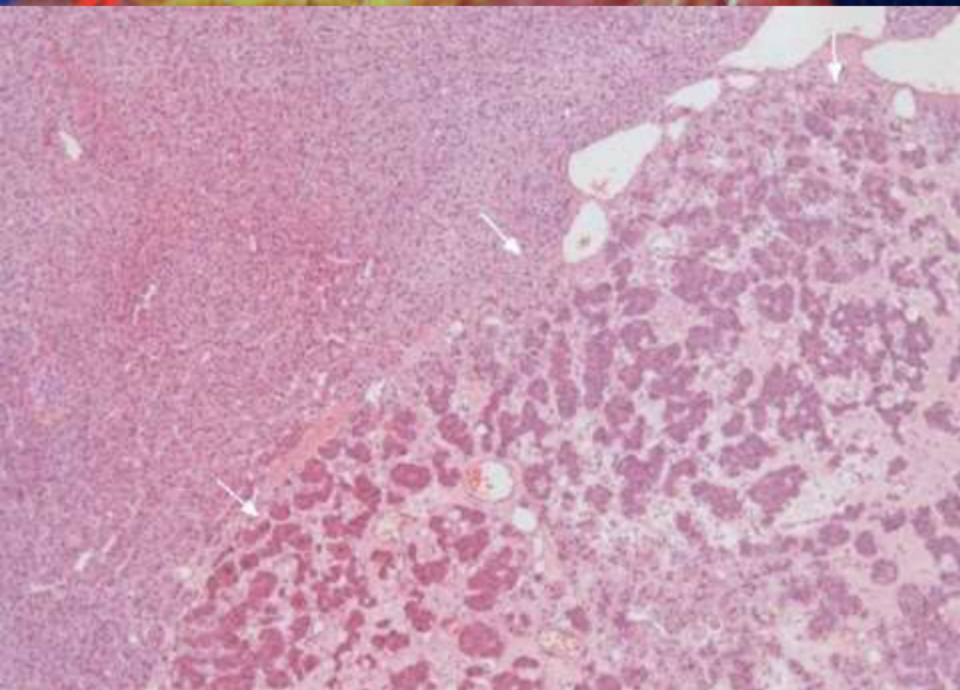
Betty Tuong, MD
University of British Columbia
Vancouver, Canada

Genitourinary Best Case 2

56-year-old woman with an incidental finding



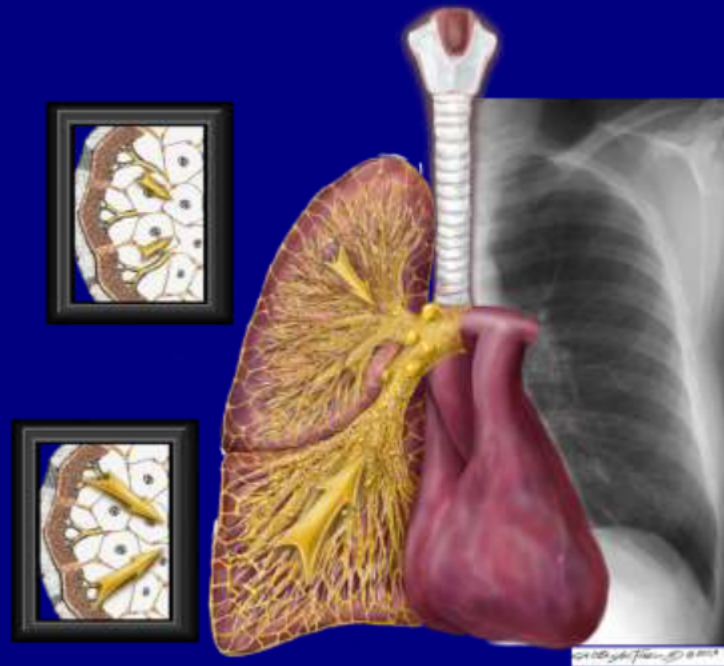




Composite Adrenal Adenoma Consisting of Pigmented and Lipid Rich Portions

Luciana Matteoni de Athayde, MD
Hospital das Clínicas da Universidade
de São Paulo
São Paulo, Brazil

PULMONARY AND MEDIASTINAL IMAGING



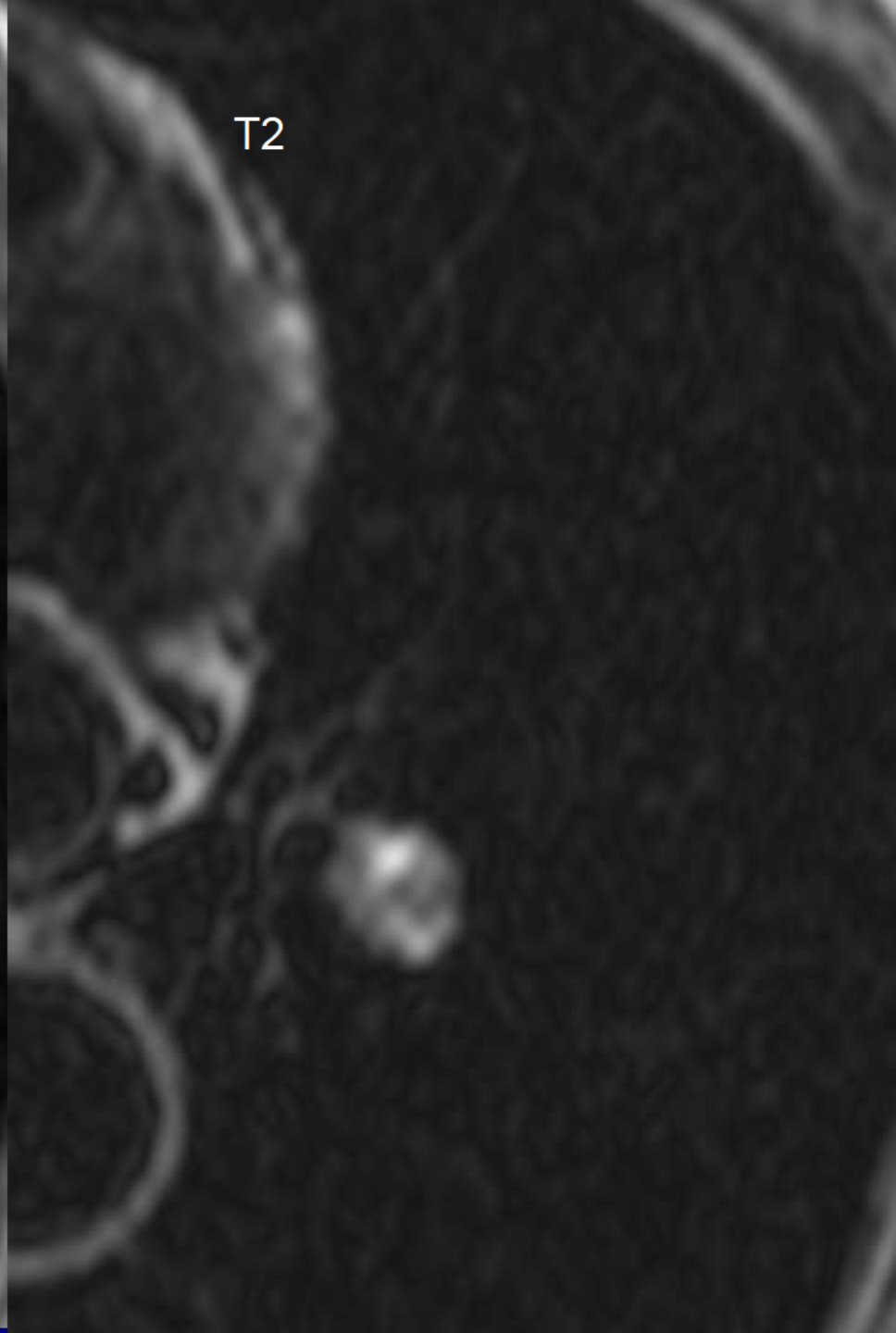
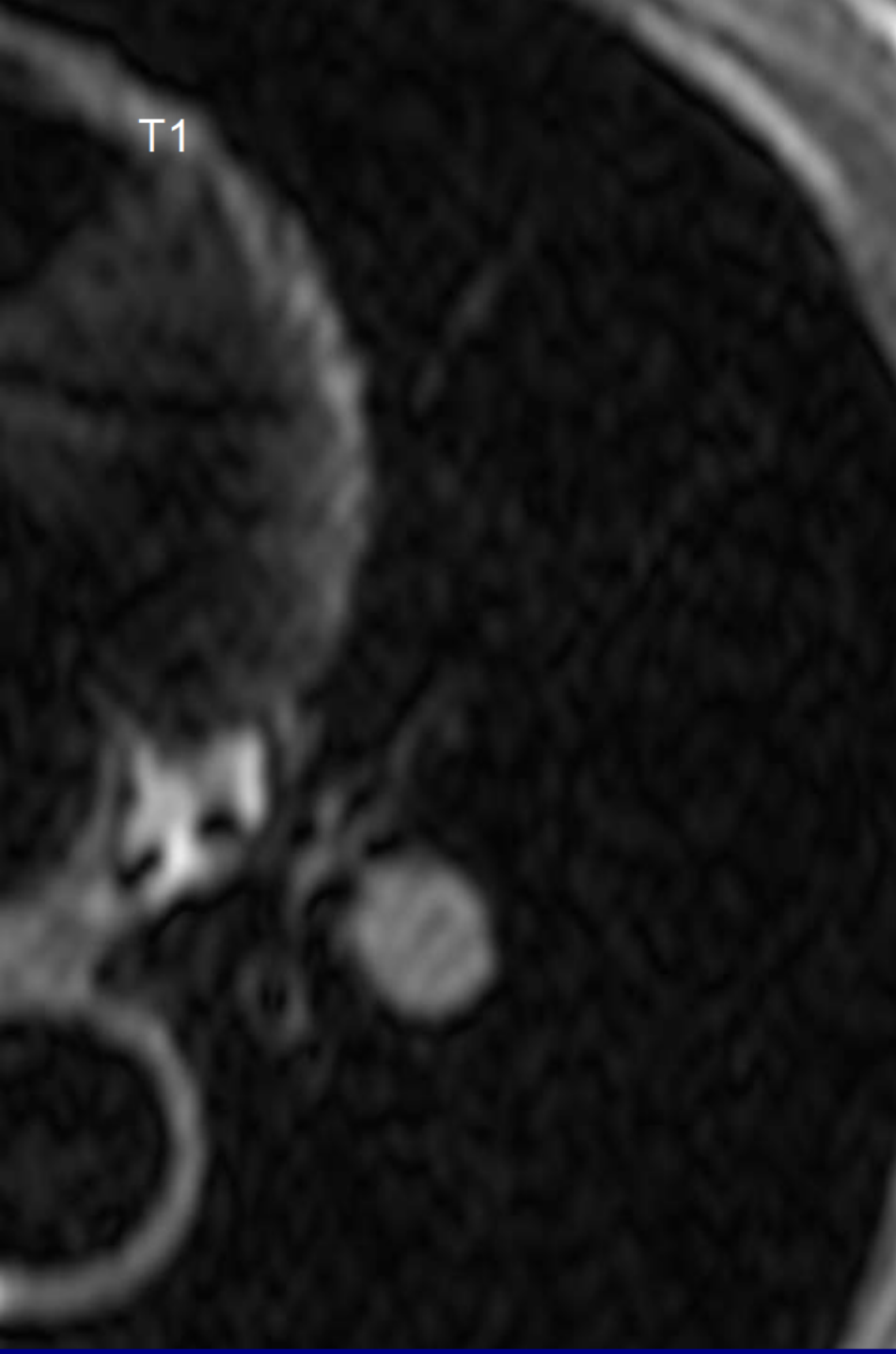
68-year-old Japanese female with solitary pulmonary nodule discovered on chest radiography. The nodule increased in size over 5 years.

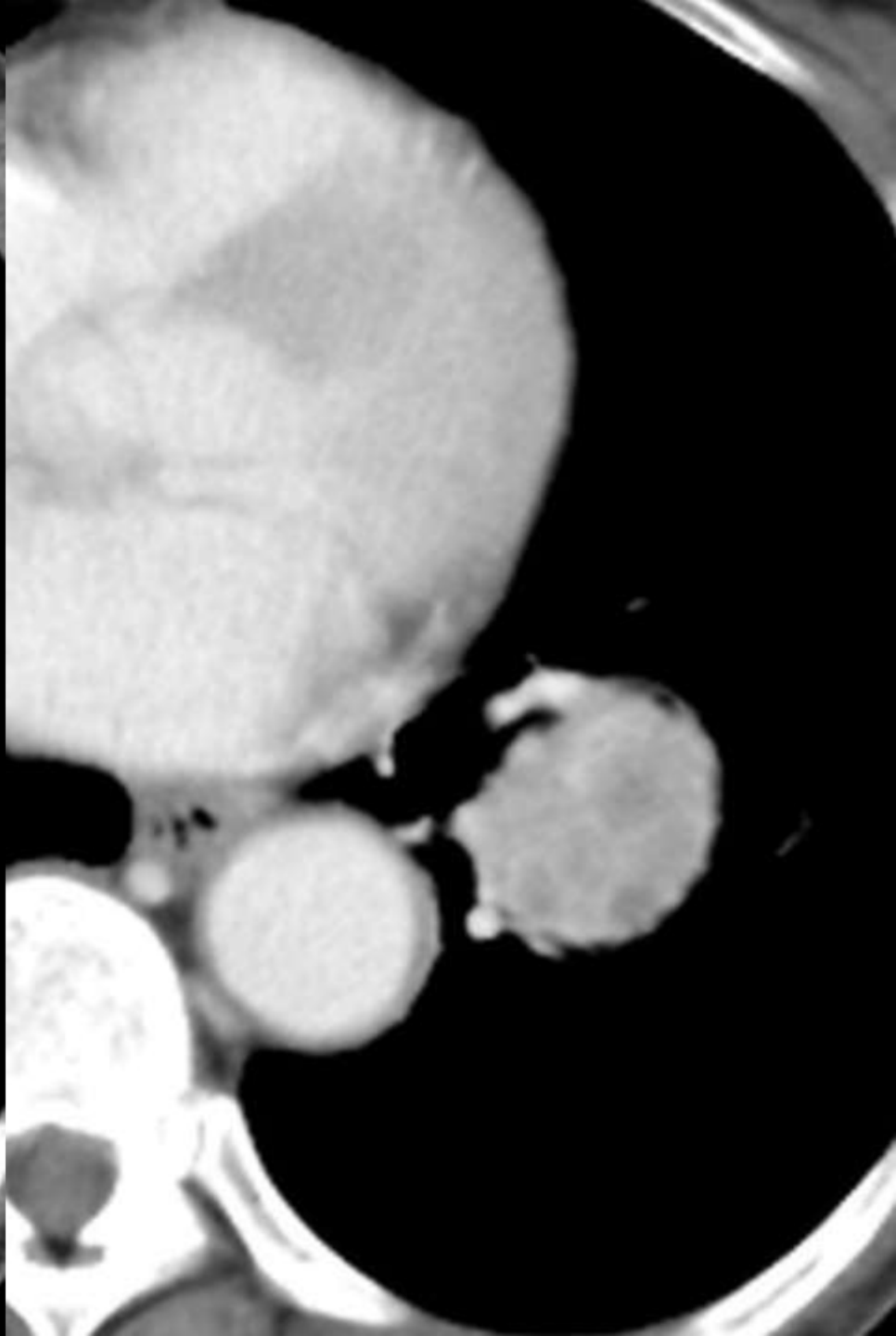
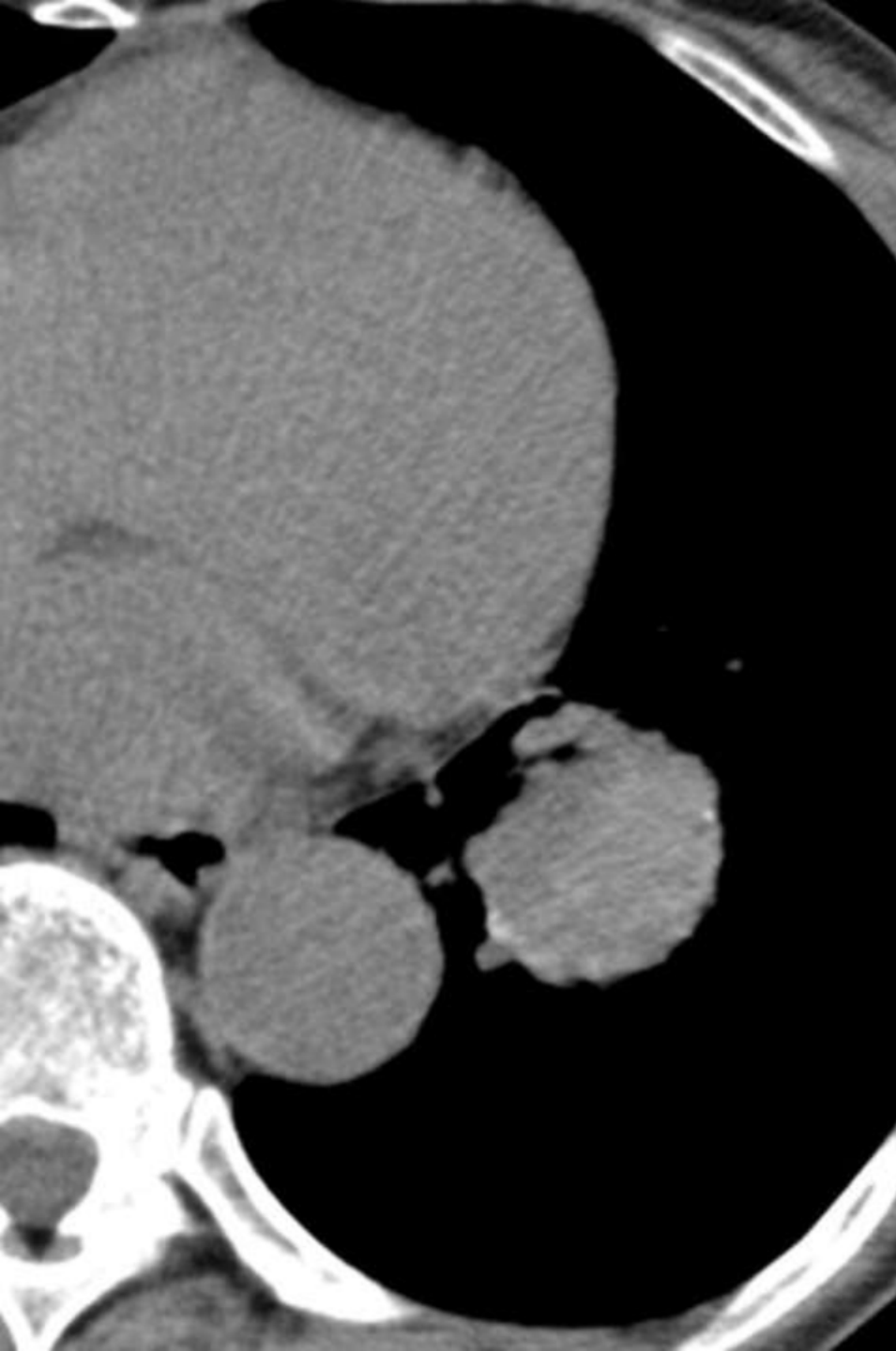
2004

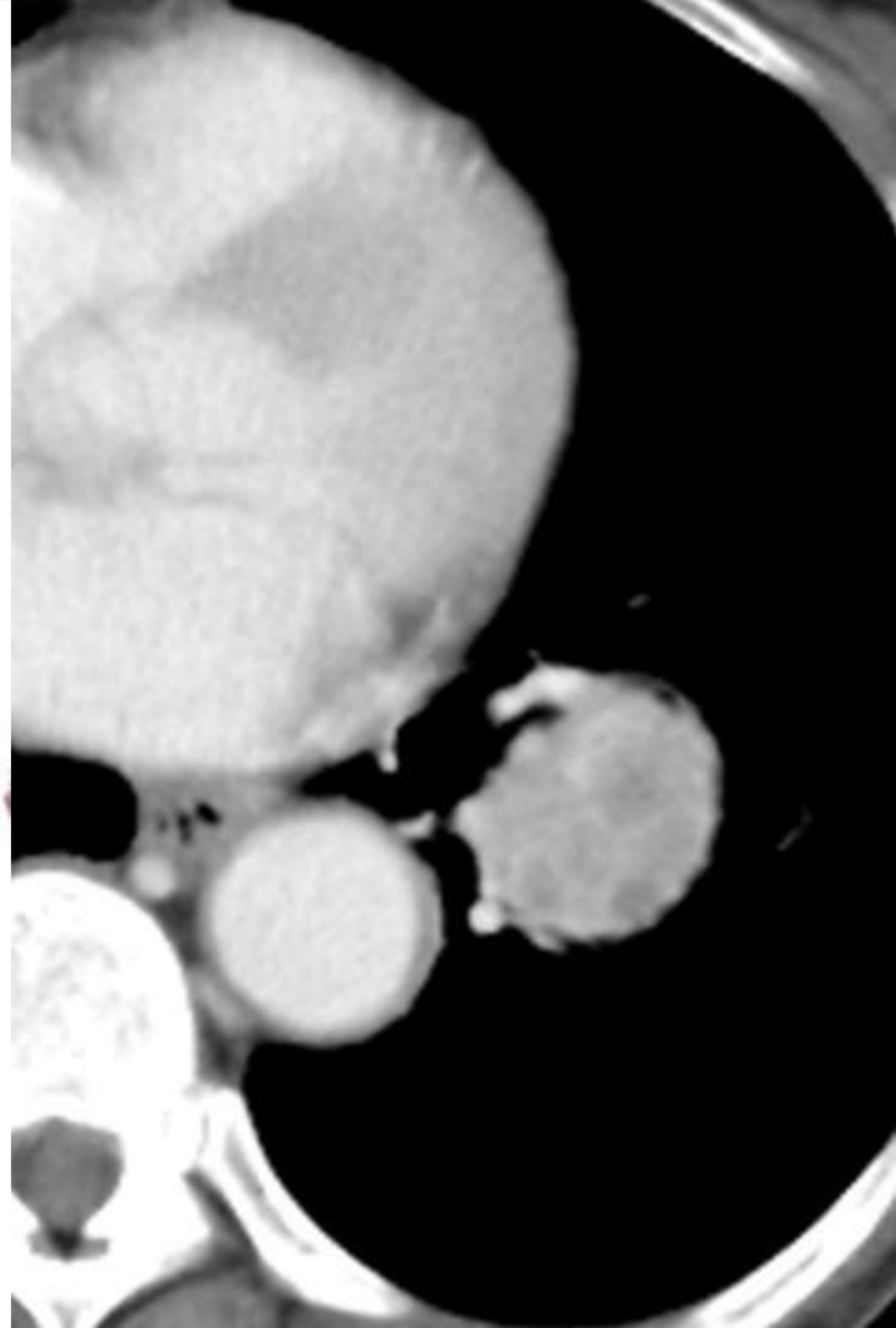


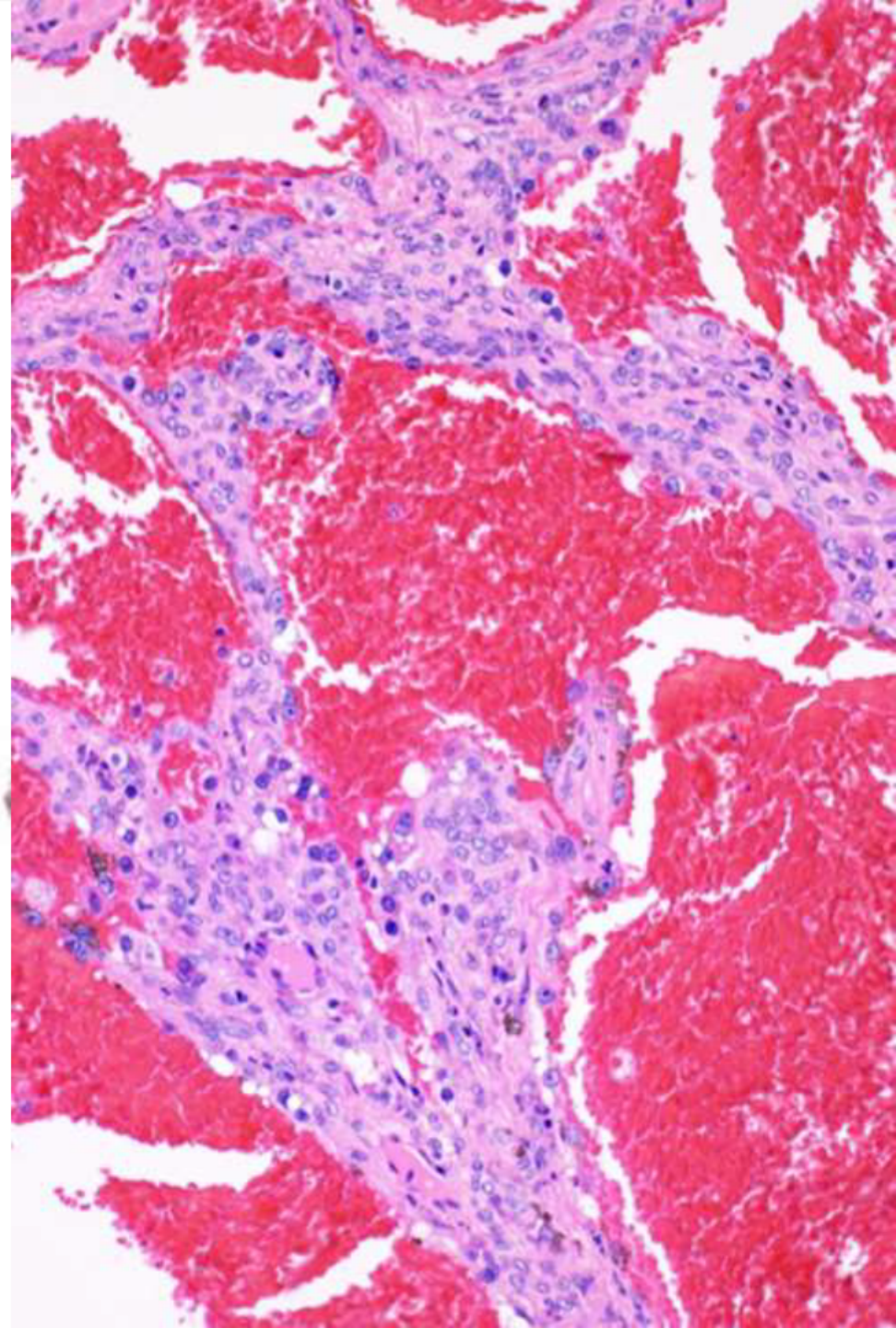
2010









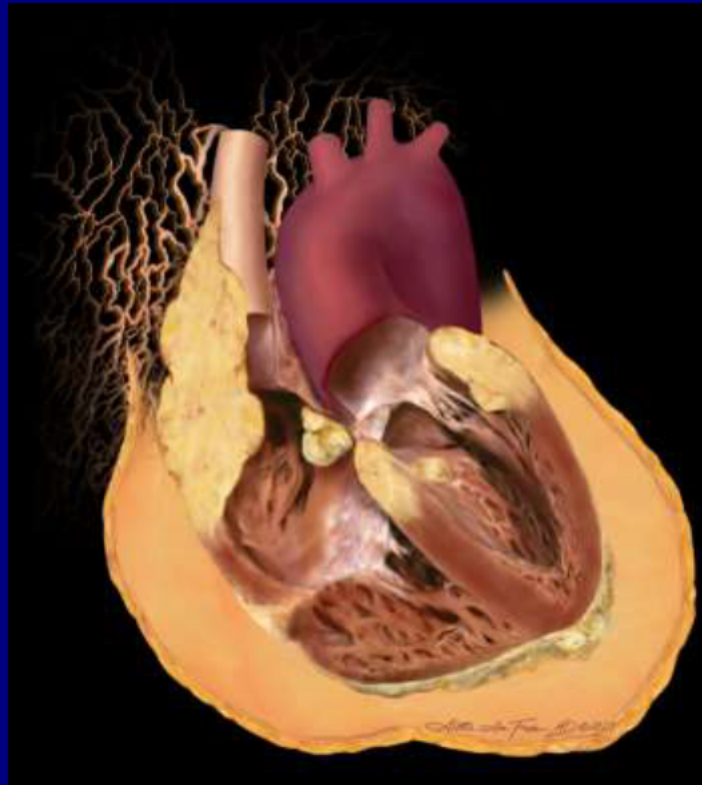


Sclerosing Hemangioma (Pneumocytoma)

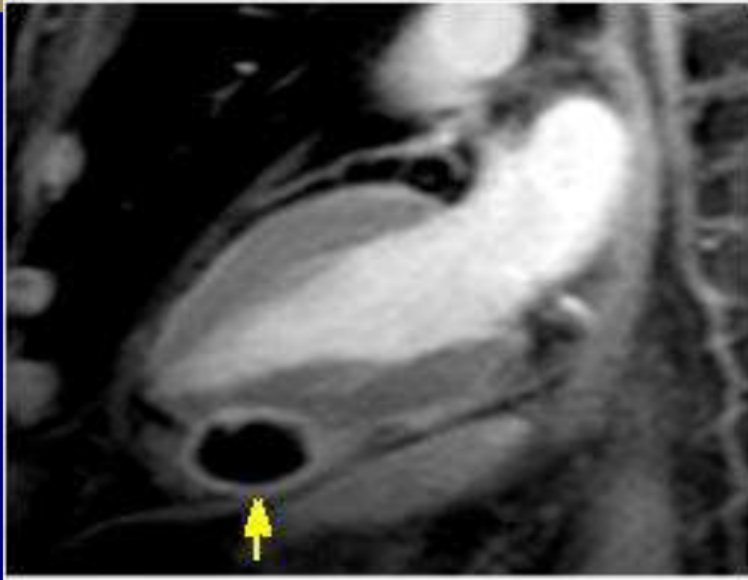
Atsuko Fujikawa, MD

St. Marianna University School of Medicine
Kawasaki, Japan

Cardiovascular Imaging



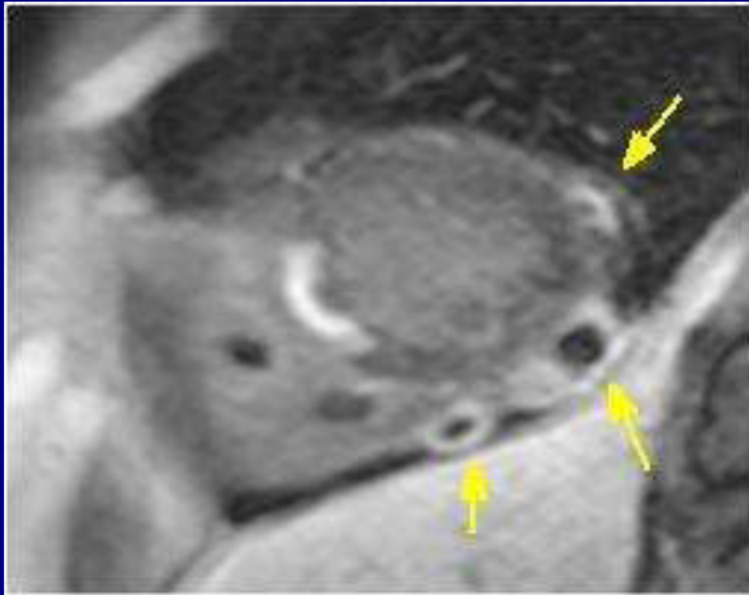
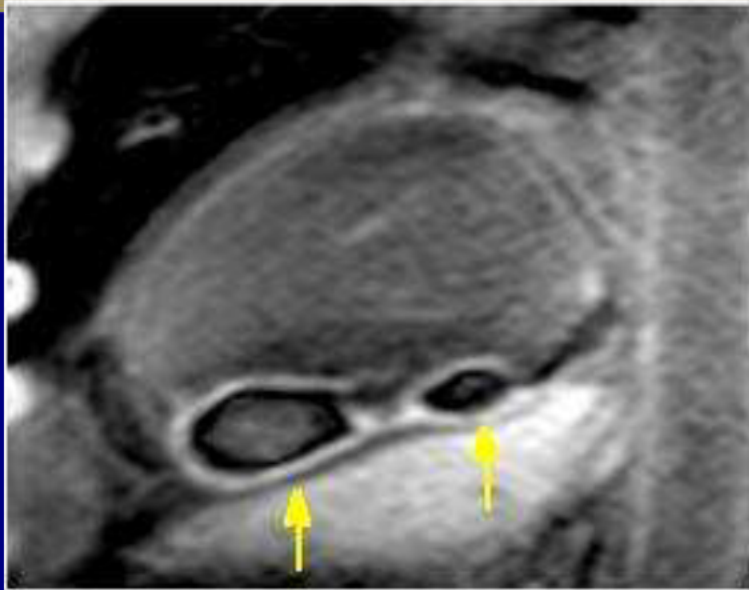
68 year old male status post orthotopic liver transplantation presents post-op day 78 with new fever, no localizing complaints. Abdominal imaging shows incidental finding of intramyocardial fluid collection at the base of the heart.



T1-post gadolinium MR long axis (top left) shows single hypointense myocardial lesion with enhancing rim near LV apex.



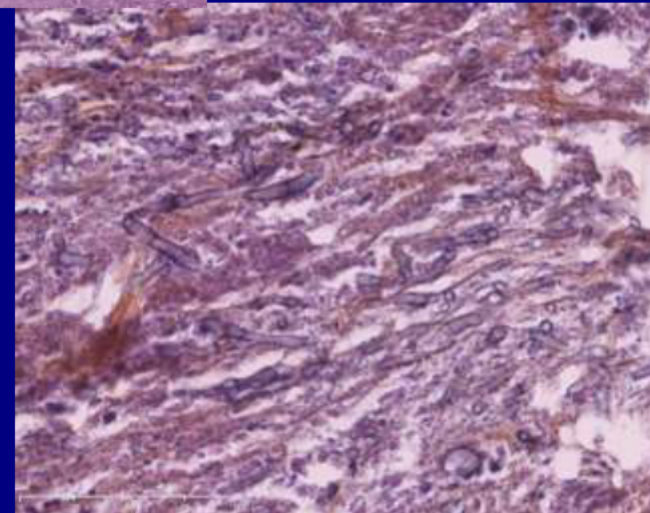
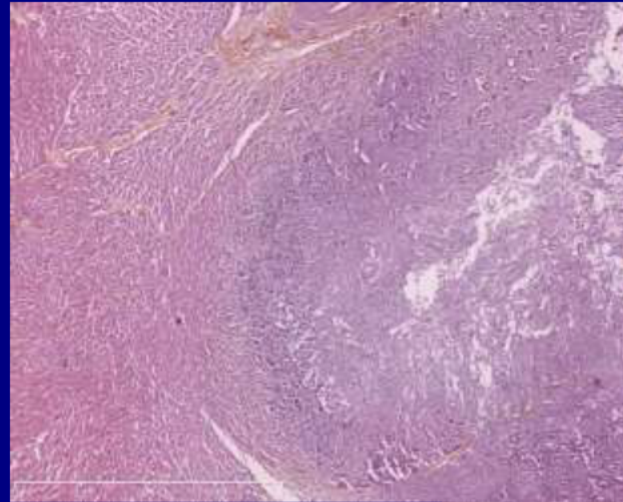
T2-black blood short axis MR (lower left) shows isolated myocardial and epicardial lesion with hyperintense core which suggests cystic contents at left ventricular apex.



ONE WEEK LATER:

T1-weighted post gadolinium MR long axis (top left) and short axis (lower left) from later exam show multiple new fluid collections with enhancing margins.

Despite aggressive treatment with antifungals, this patient died a few months later with disseminated *Aspergillus fumigatus* infection.



Myocardial Abscesses from Aspergillus Infection

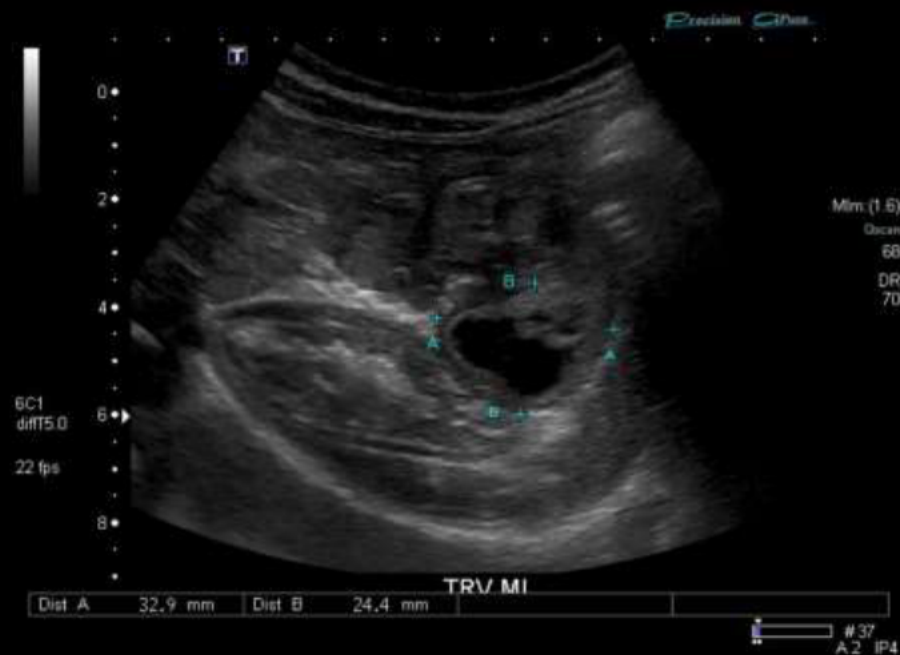
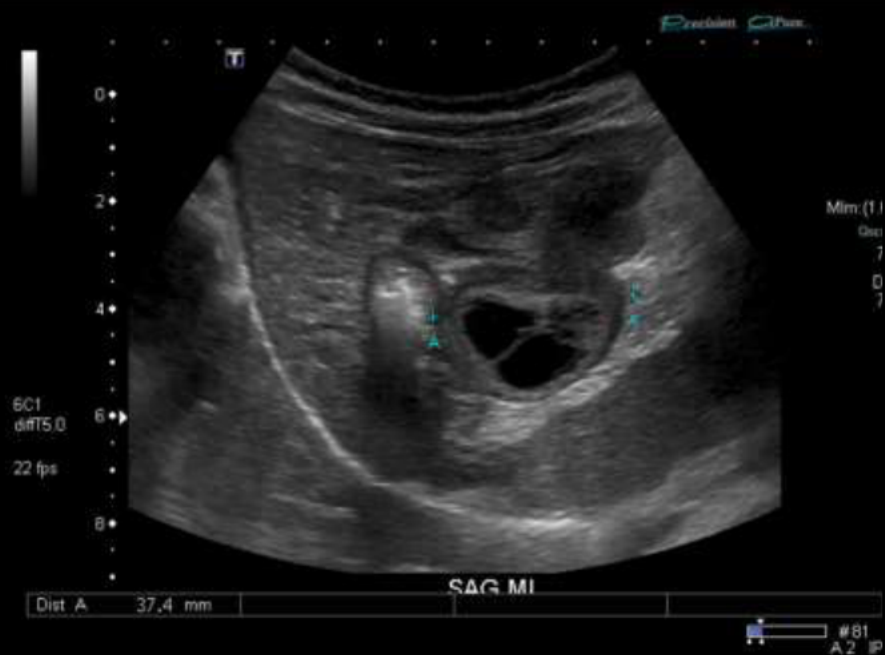
Samia Collot, MD

Rangueil Hospital of Toulouse

Toulouse, France

Pediatric Best Case

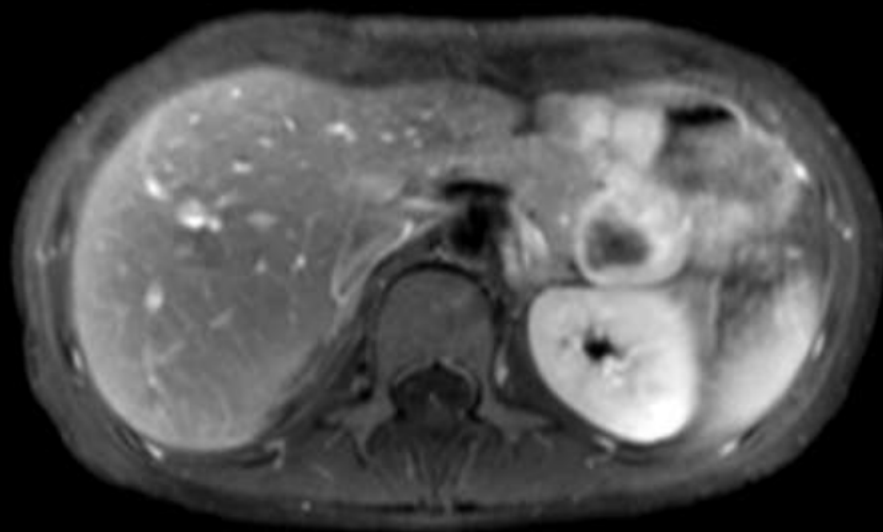
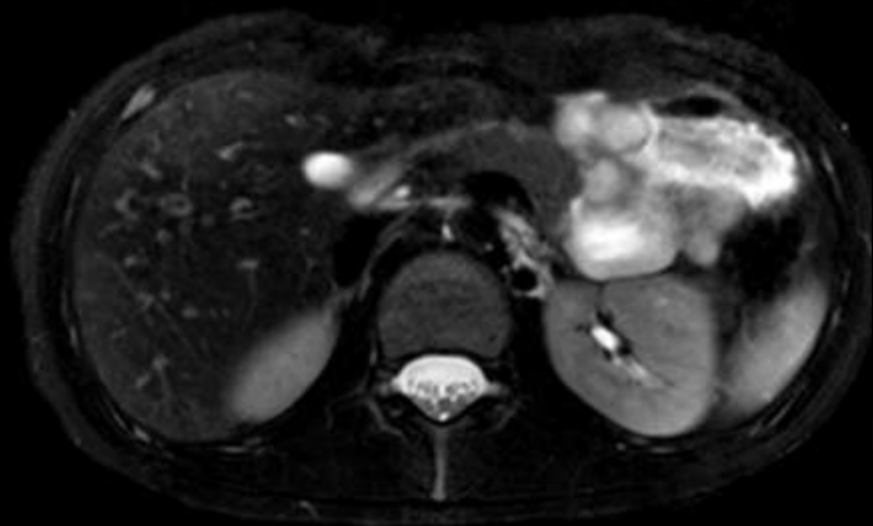
11-year-old girl with 6 weeks of
pallor, fatigue, and decreased
appetite.

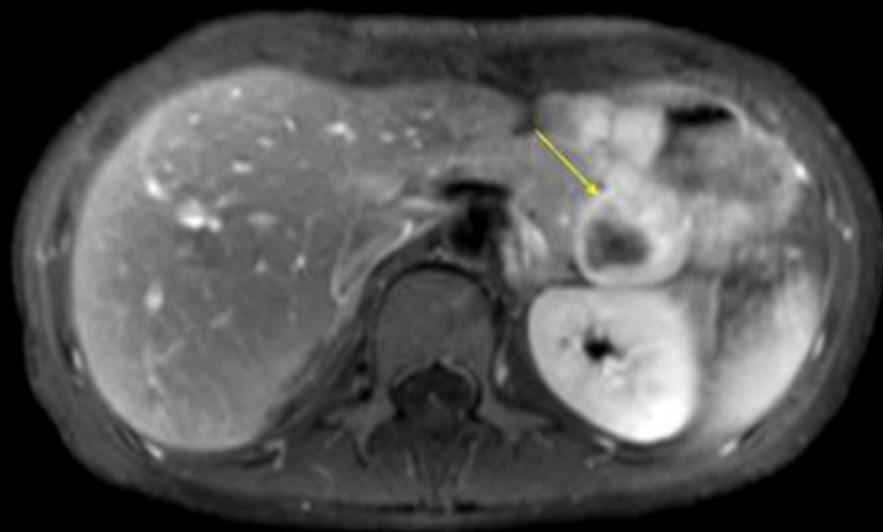
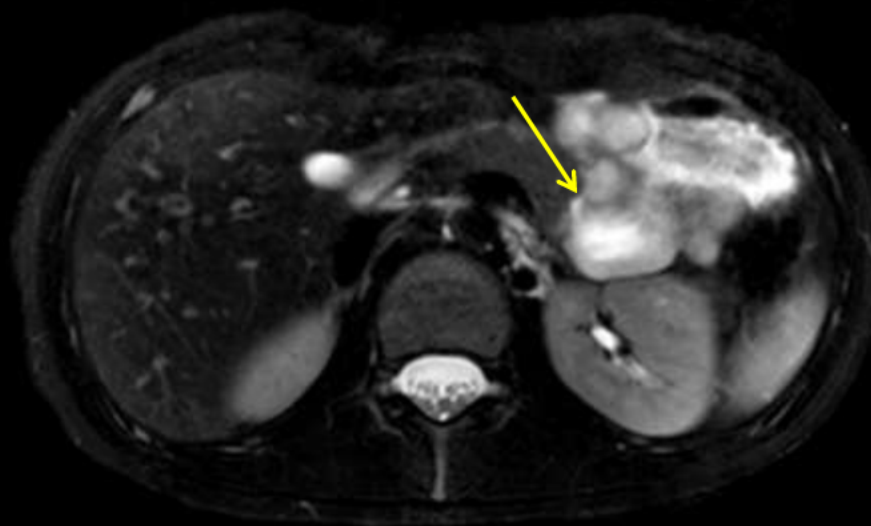


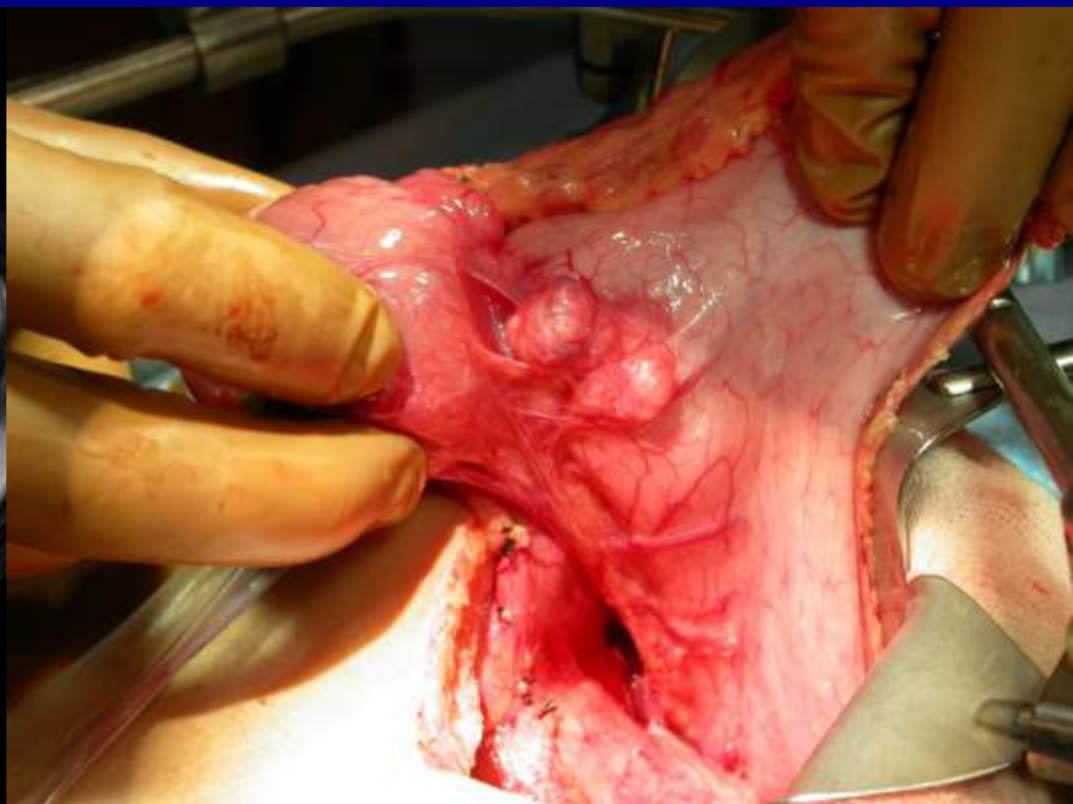












Gastrointestinal Stromal Tumor

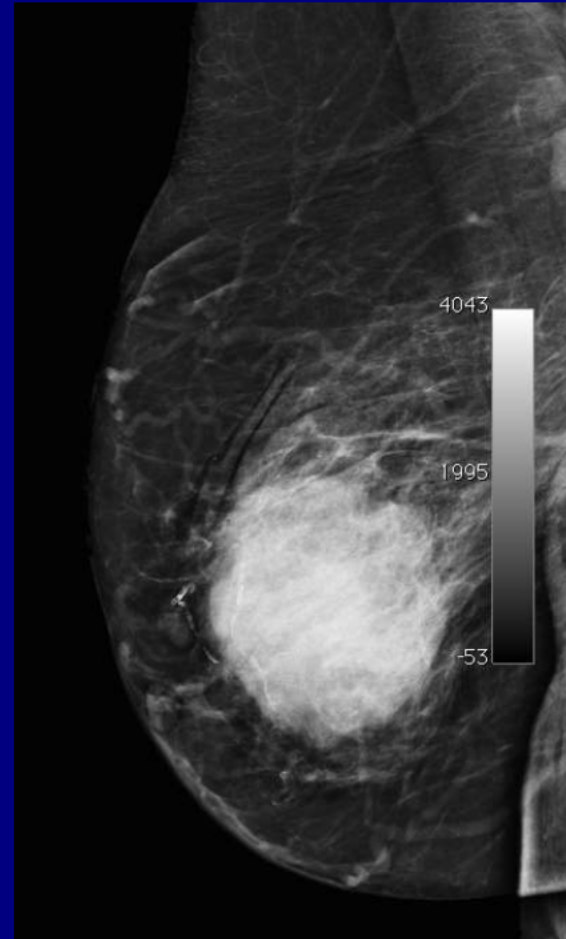
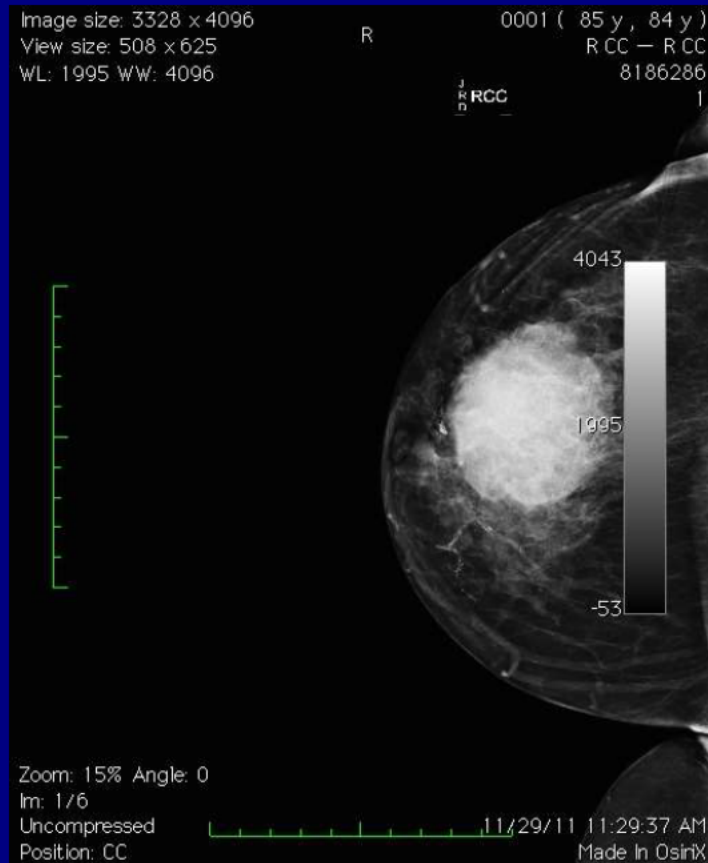
Maneesh Gupta, MD
University of Toronto
Toronto, Canada

Breast Best Case

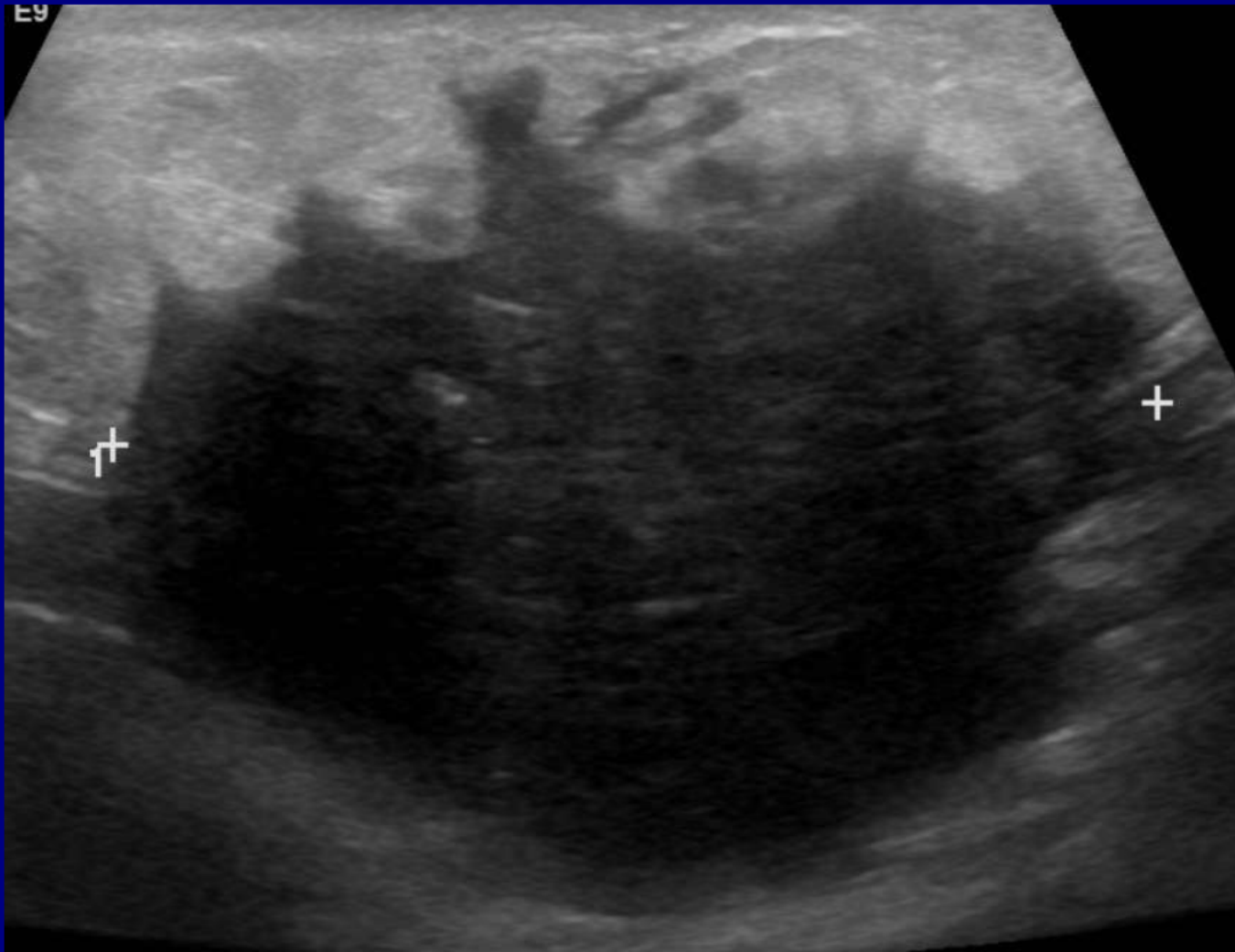
84-year-old female fell on her right breast one month prior to presentation. The patient subsequently noticed draining from the breast which she thought was related to the trauma.

The patient then followed up in the breast clinic. Physical exam revealed a visible mass in the right breast predominantly involving the lower outer quadrant, with overlying skin ulceration and surrounding skin erythema.

Diagnostic Mammogram RT Breast

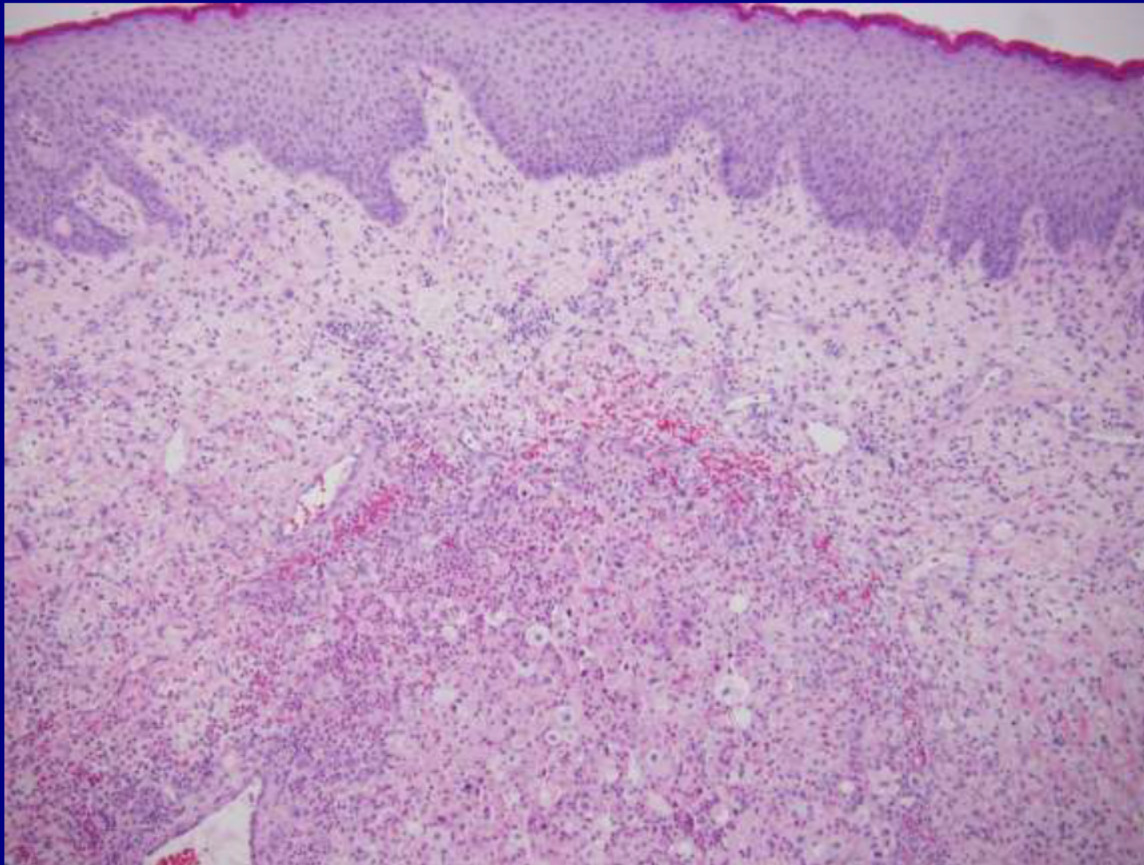


Ultrasound of Palpable Area







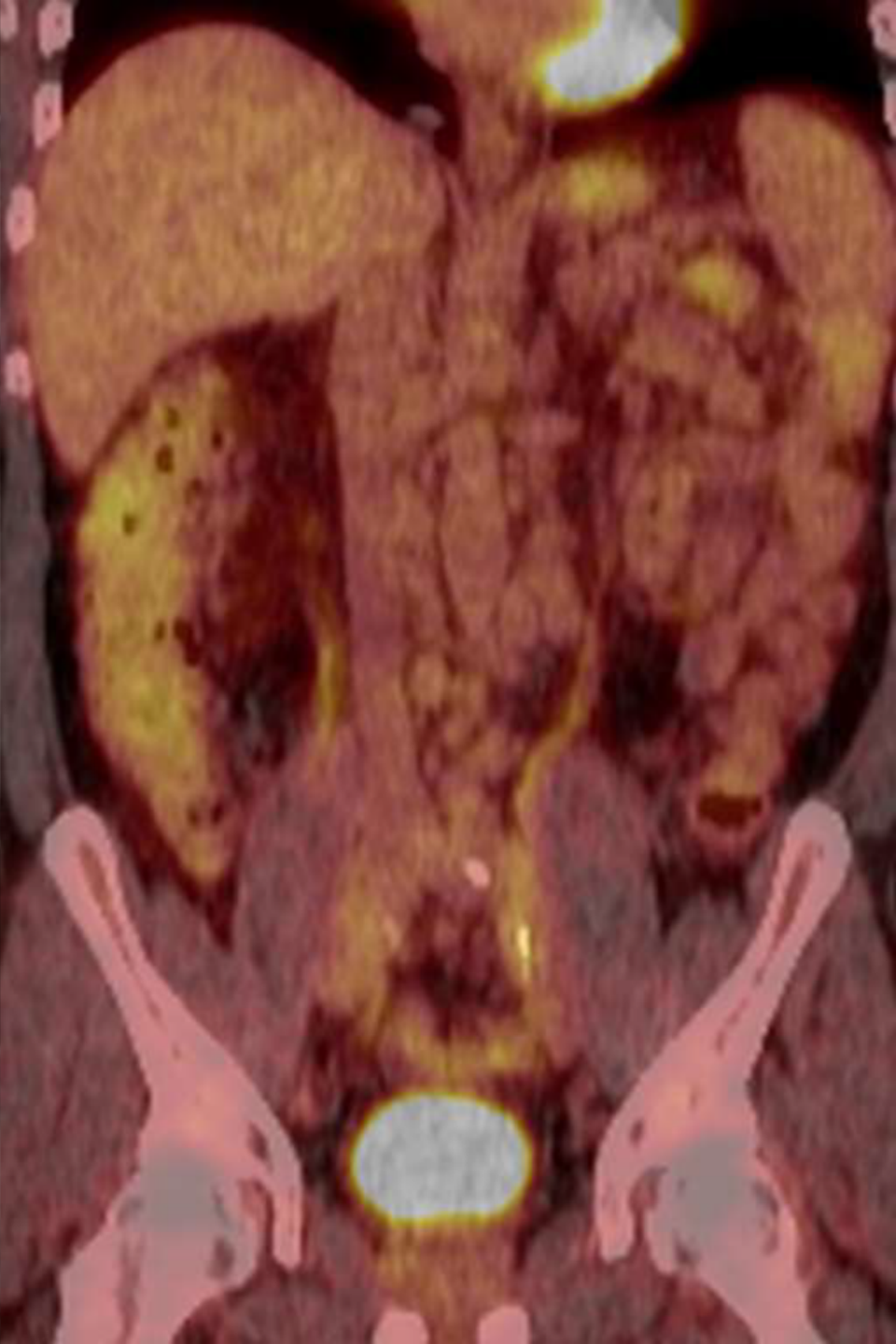


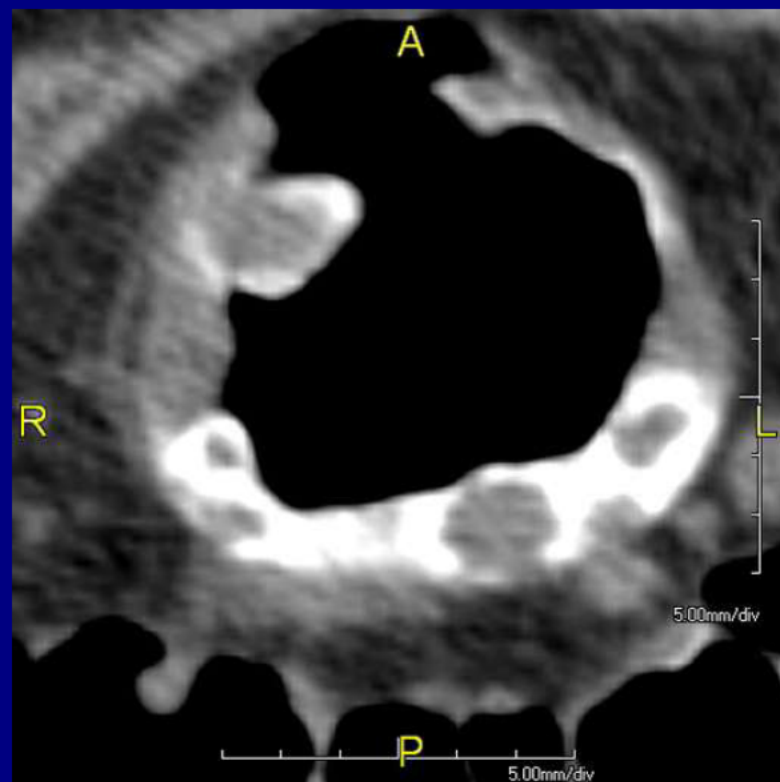
Squamous Carcinoma with Keratinization (Metaplastic Carcinoma)

Eva Ryckman, MD
Geisinger Medical Center
Danville, Pennsylvania

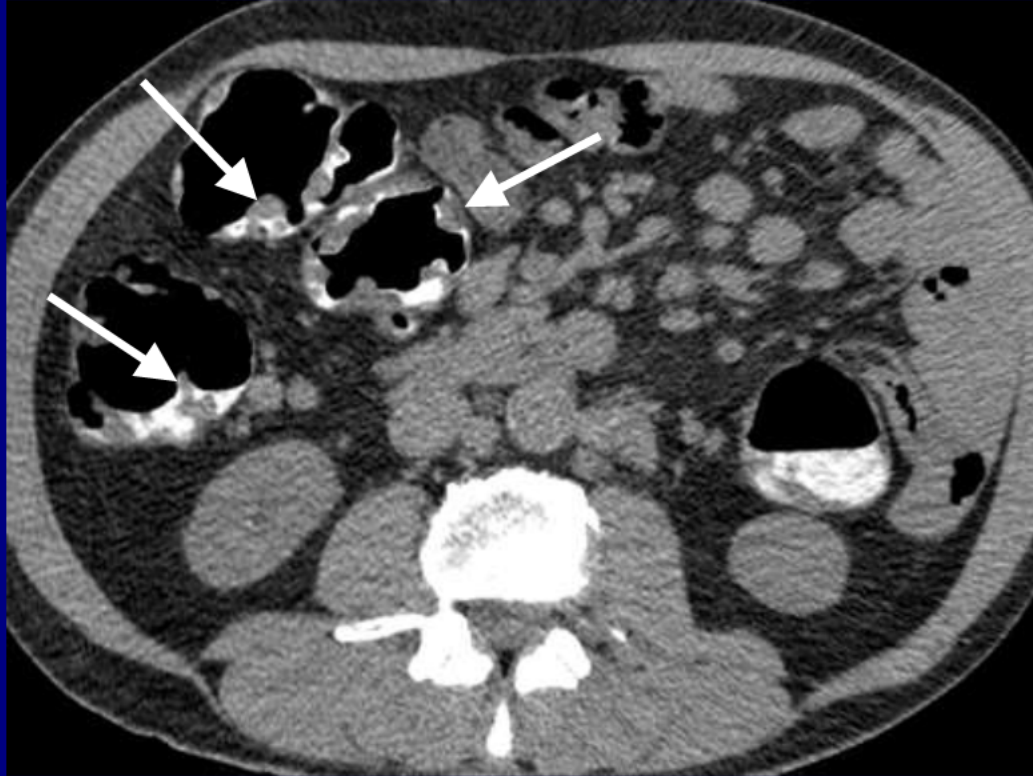
Gastrointestinal Best Case

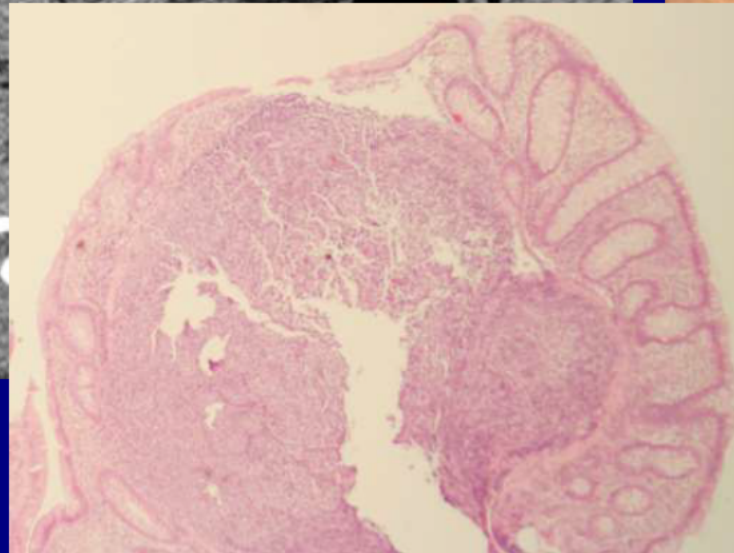
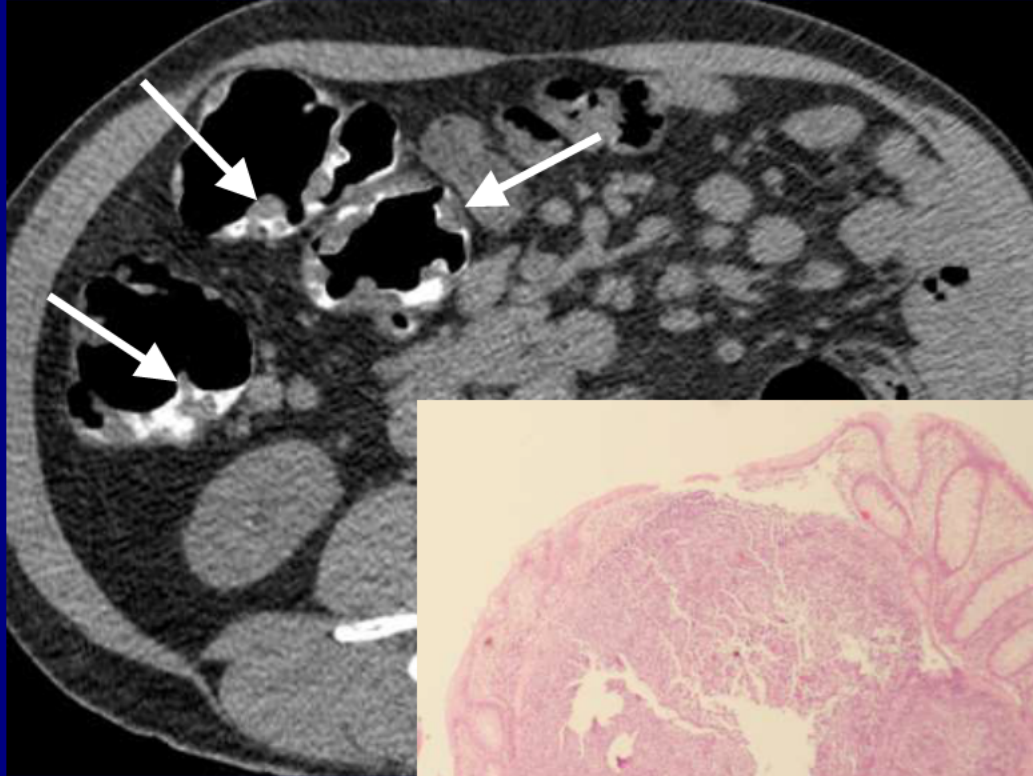
63-year-old asymptomatic man
underwent screening colonoscopy.

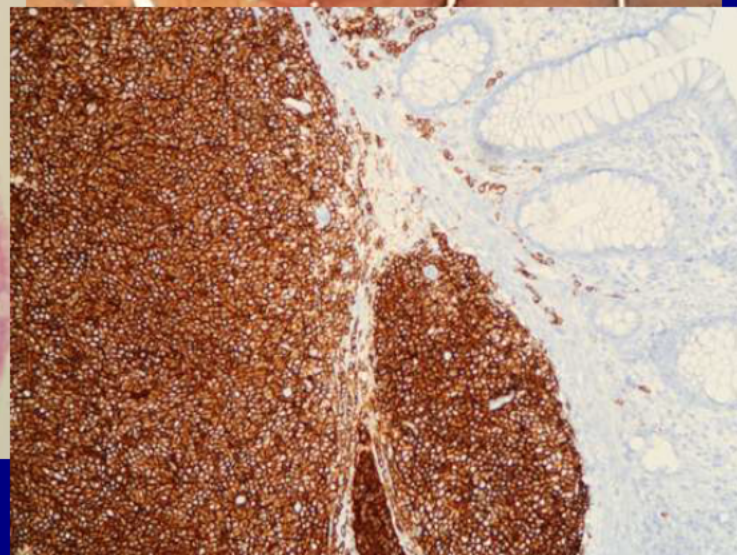
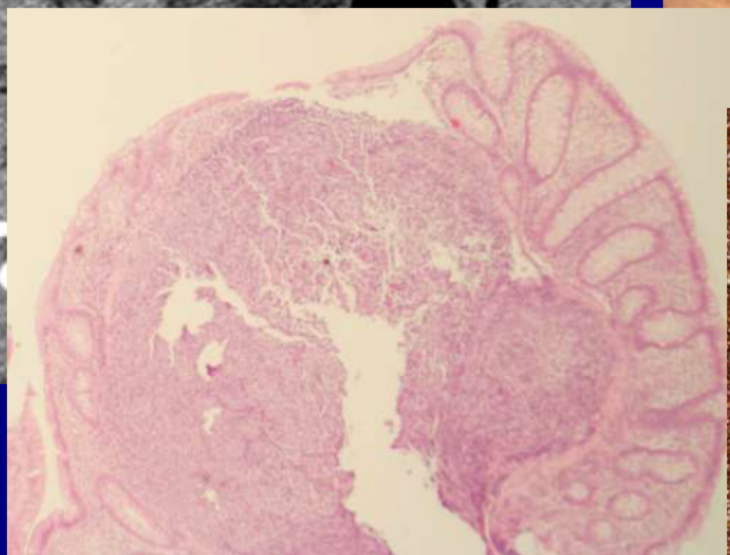
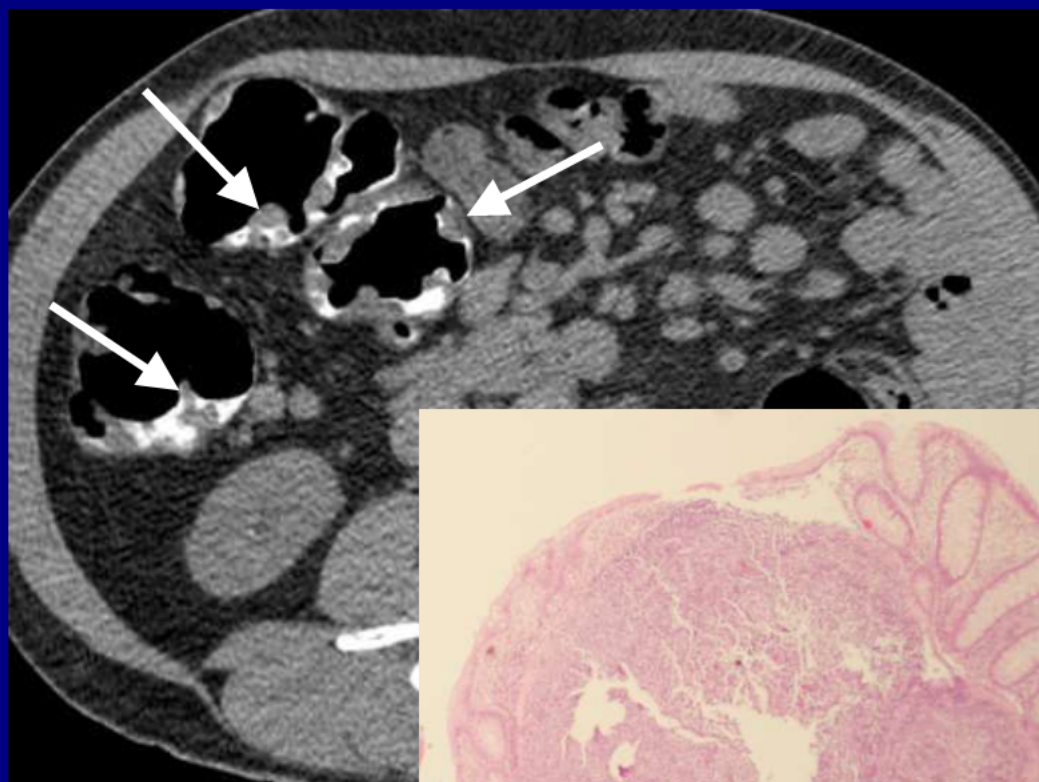












Colonic Mantle Cell Lymphoma

Pum Le Haen, MD
Haga-Ziekenhuis,
The Hague, Netherlands

Many thanks to all of you for
submitting such great cases!
Have a safe trip home –

From the staff of the
American Institute for Radiologic Pathology