

Best Cases of the AIRP

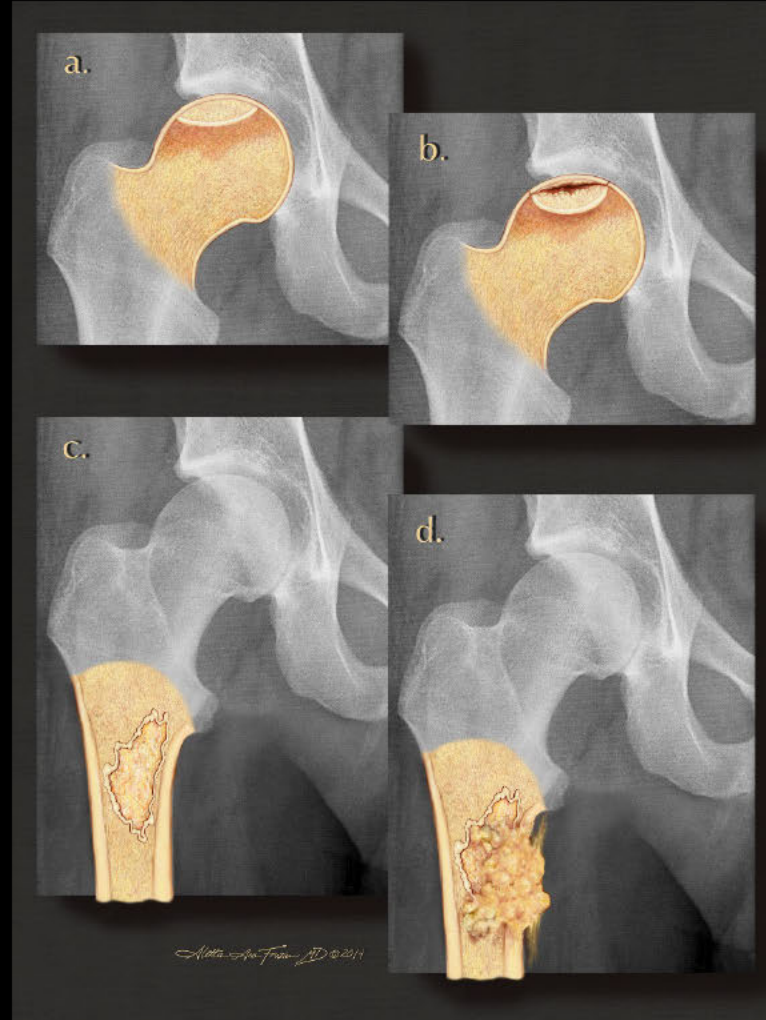
July-August, 2020

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Musculoskeletal Best Case



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

CLINICAL INFORMATION

54-year-old male with left thigh pain; history at age 10 of left femur fracture treated with osteosynthesis



AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



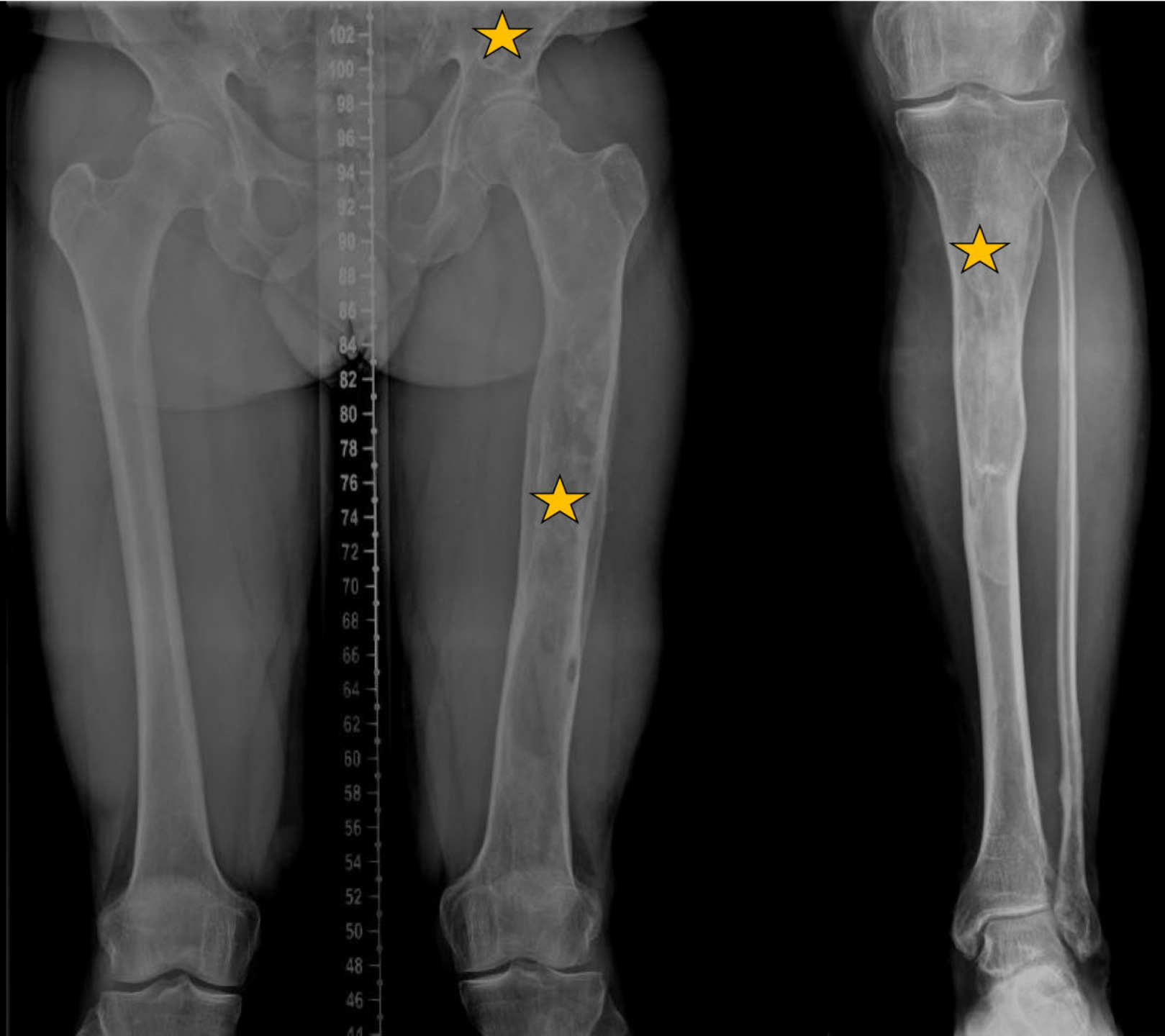
GAUCHE



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

POLYOSTOTIC LESIONS

BENIGN

- LANGERHANS CELL HISTIOCYTOSIS (LCH)
- ENCHONDROMATOSIS
- FIBROUS DYSPLASIA
- HEREDITARY MULTIPLE EXOSTOSES (HME)
- OSTEOMYELITIS
- PAGET DISEASE
- NEUROFIBROMATOSIS (TYPE 1)
- ANGIOMATOUS LESIONS

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

AIRPTM

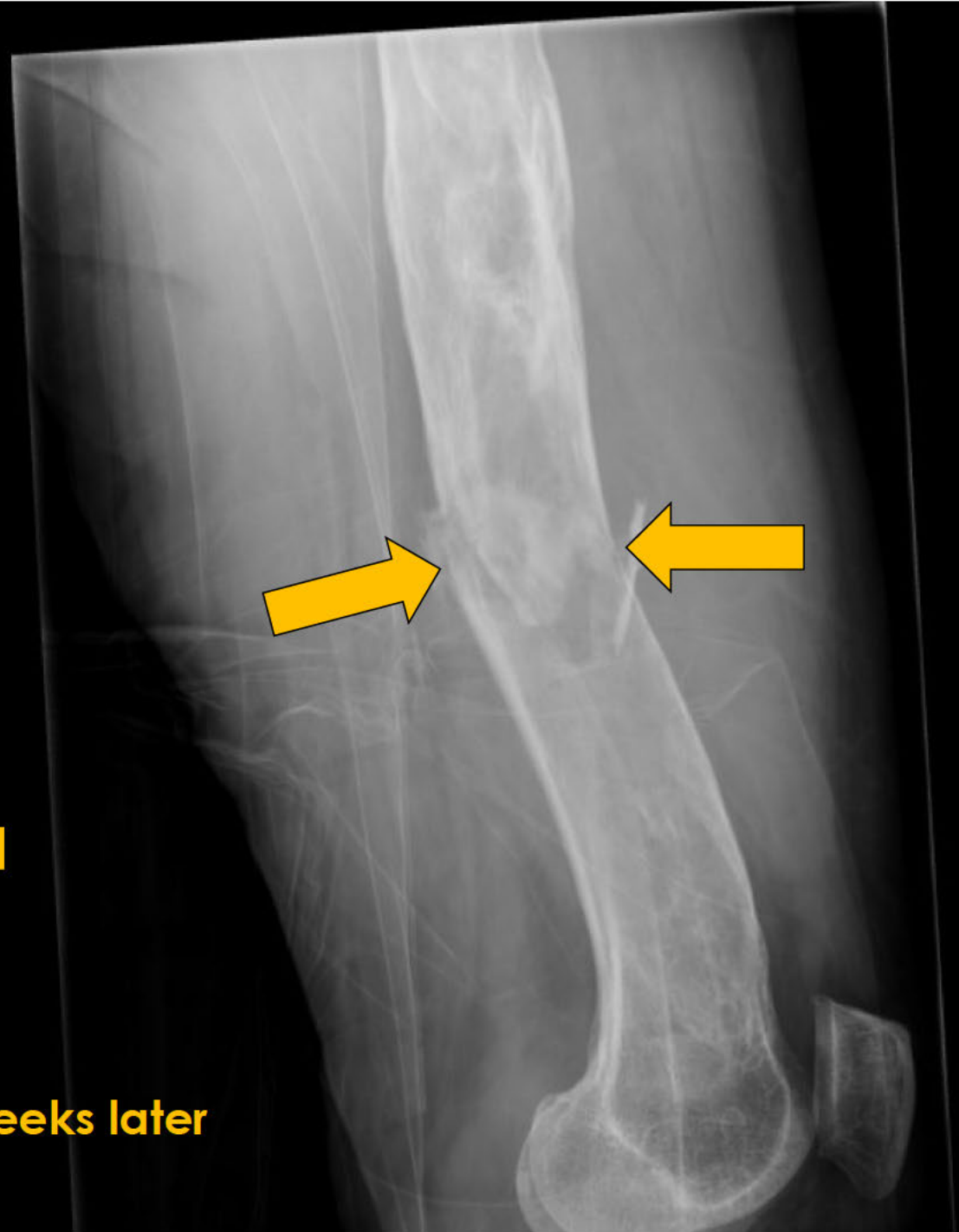
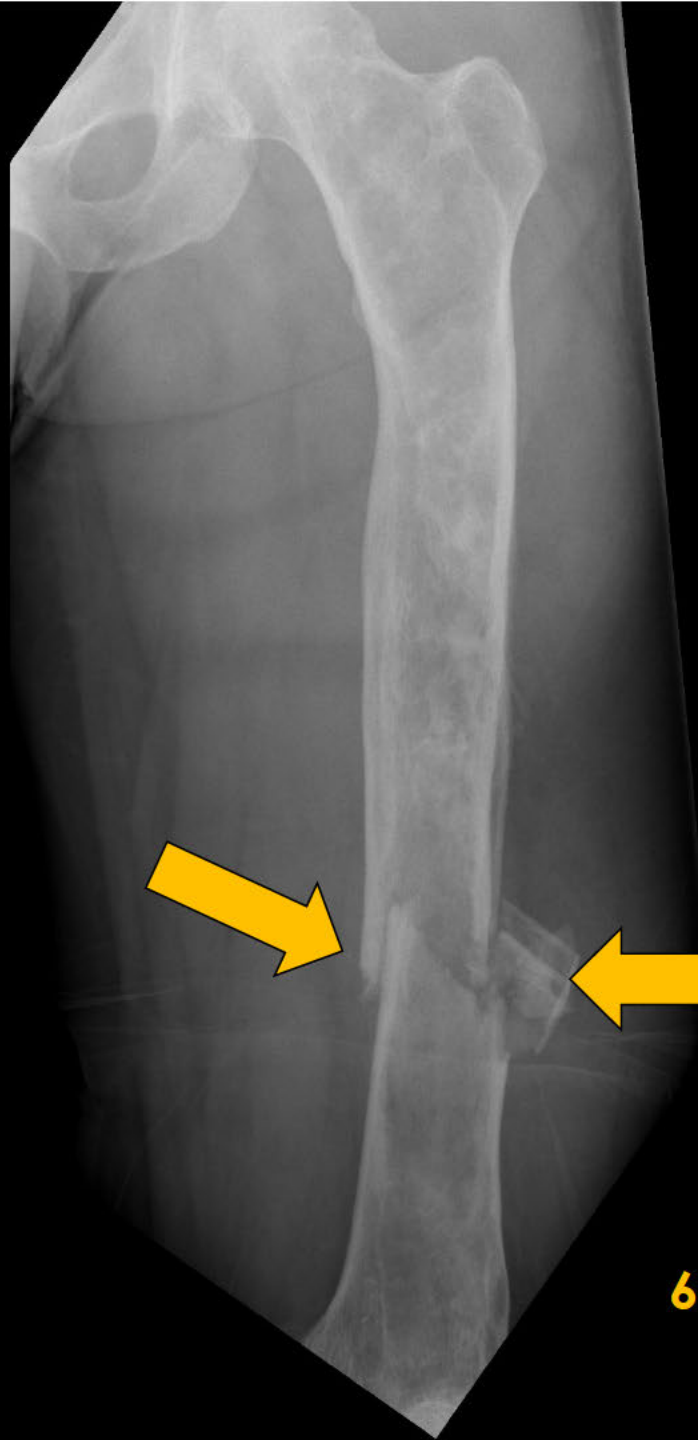
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



6 weeks later





6 weeks later

AIRPTM

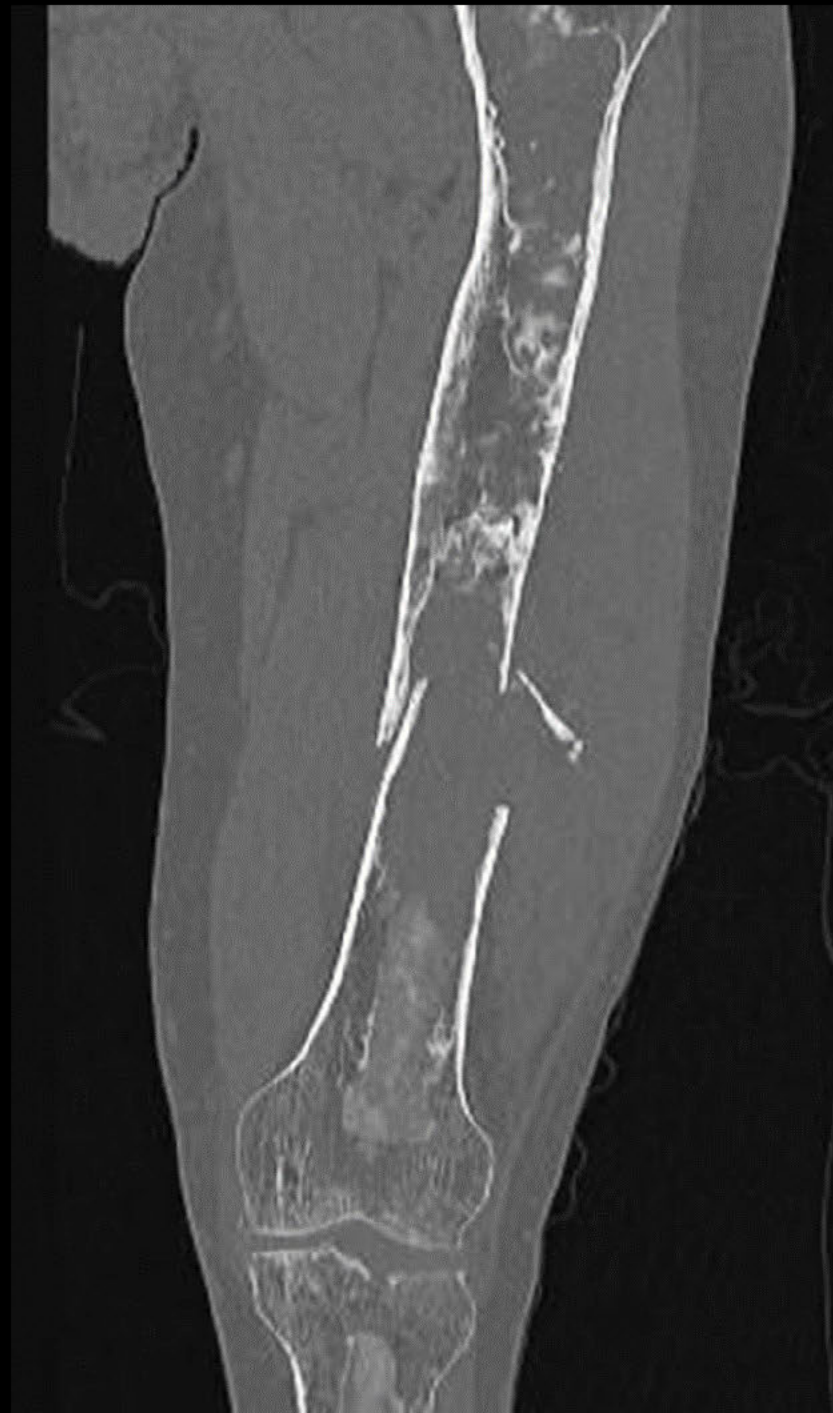
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

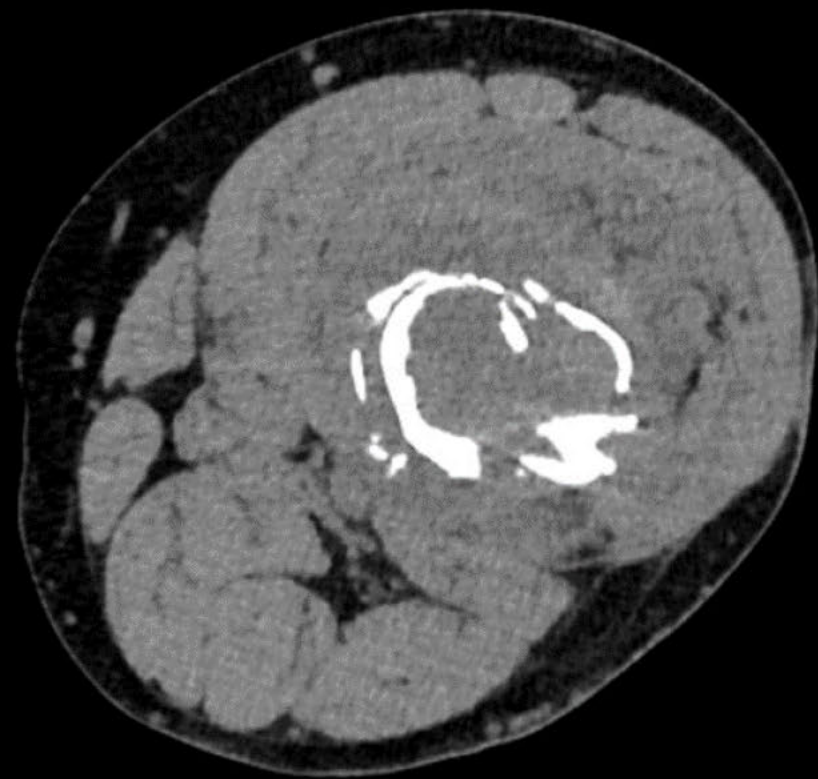
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

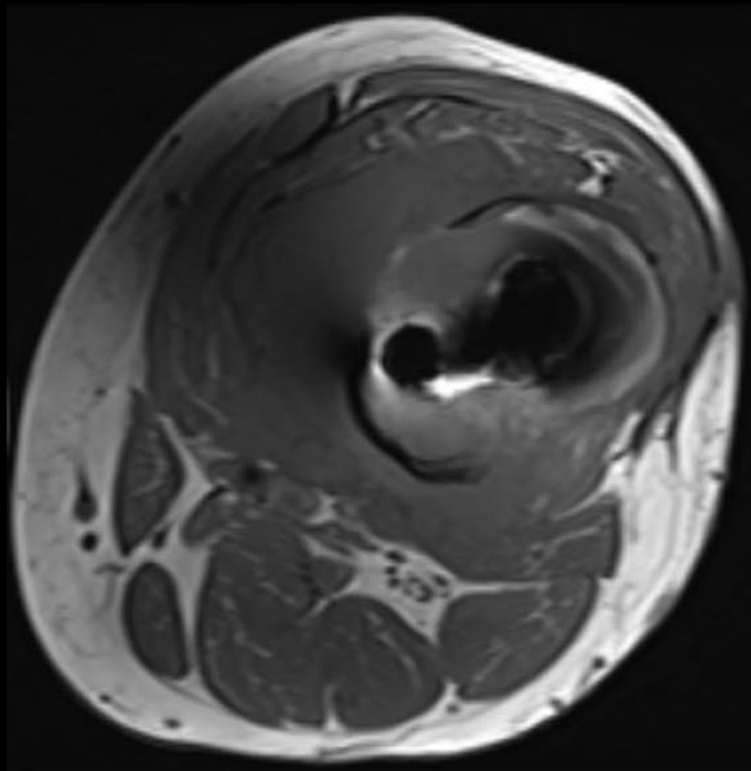


AIRPTM

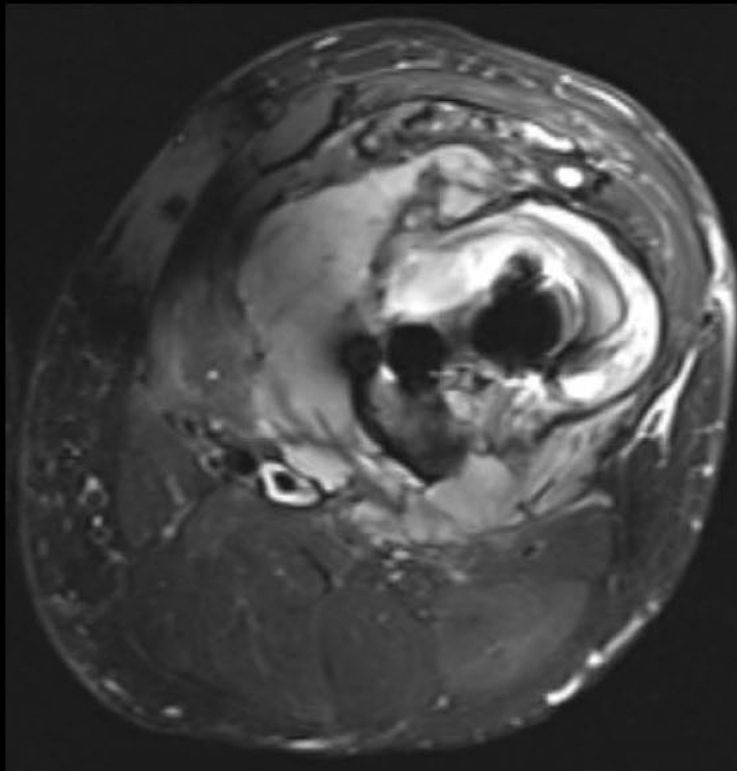
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

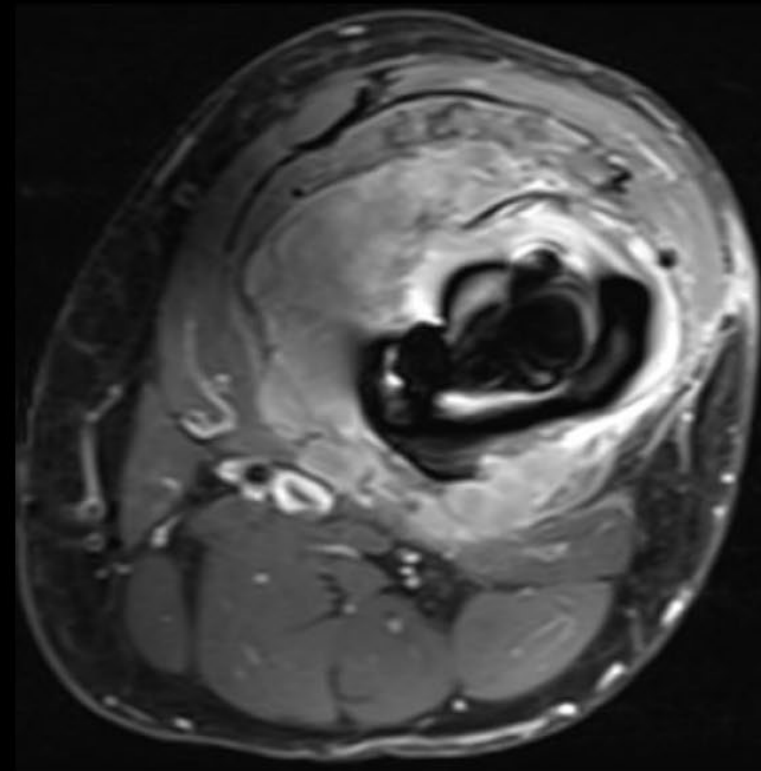




Axial T1



Axial T2FS

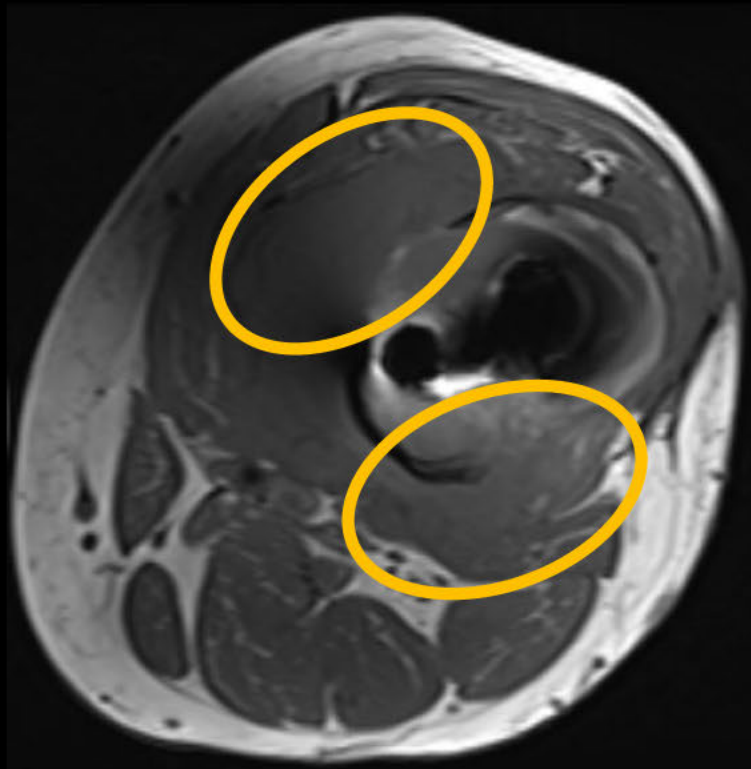


Axial T1+c

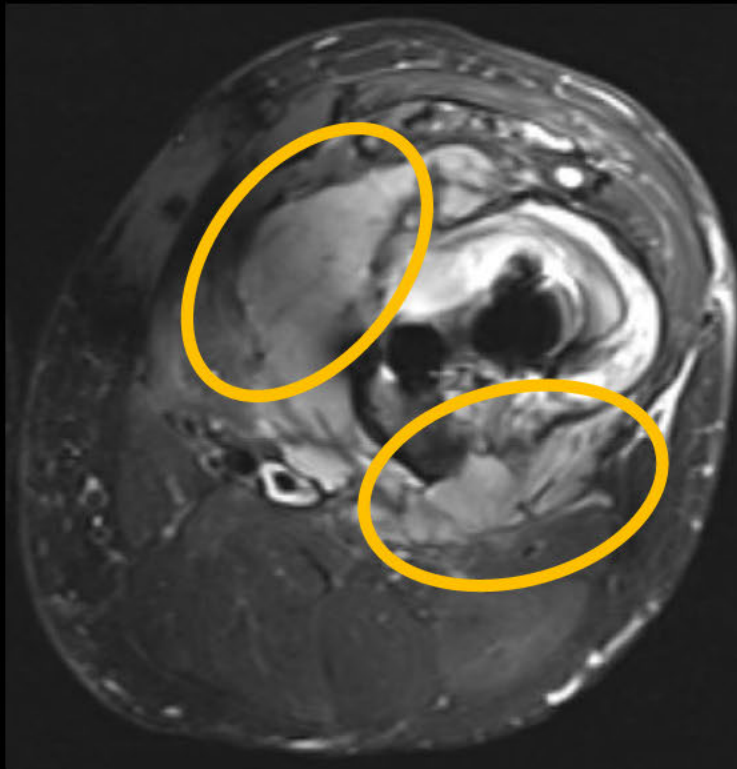
AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

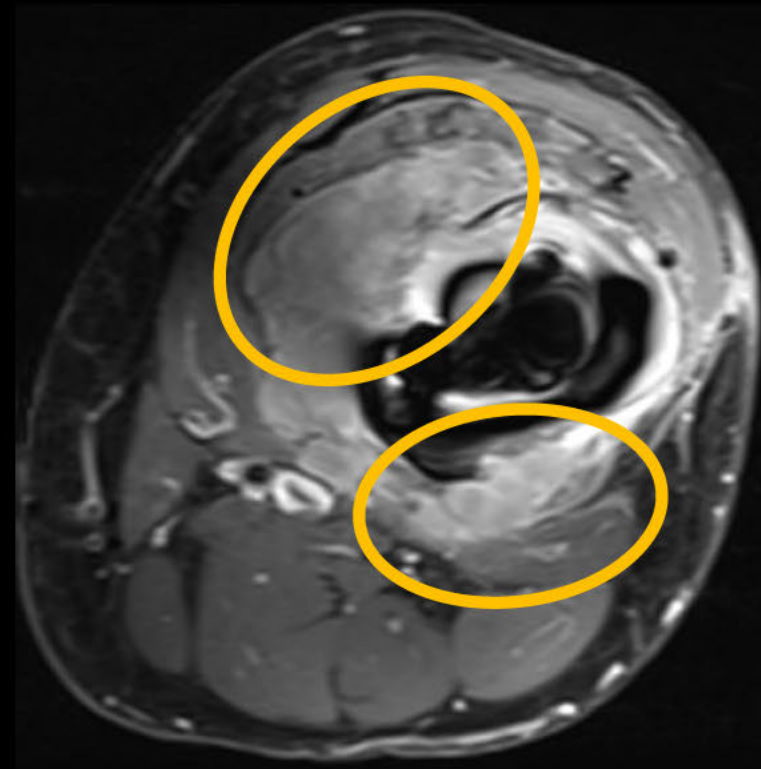
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



Axial T1



Axial T2FS

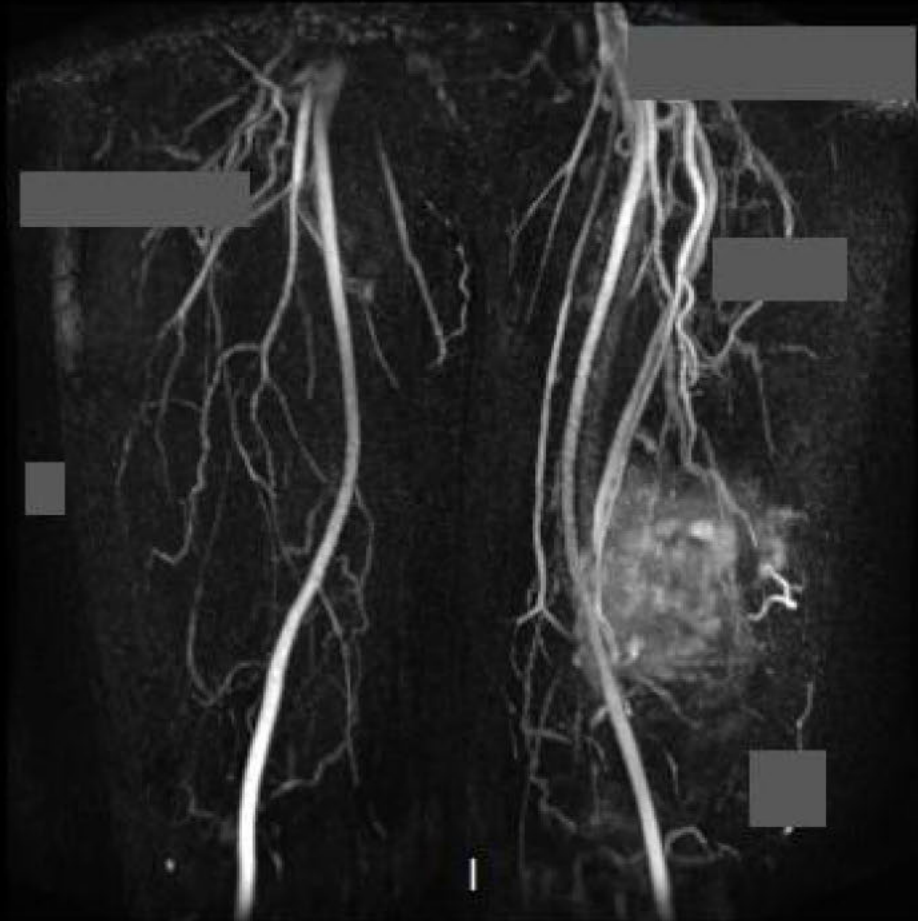


Axial T1+c

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



MR Angiogram

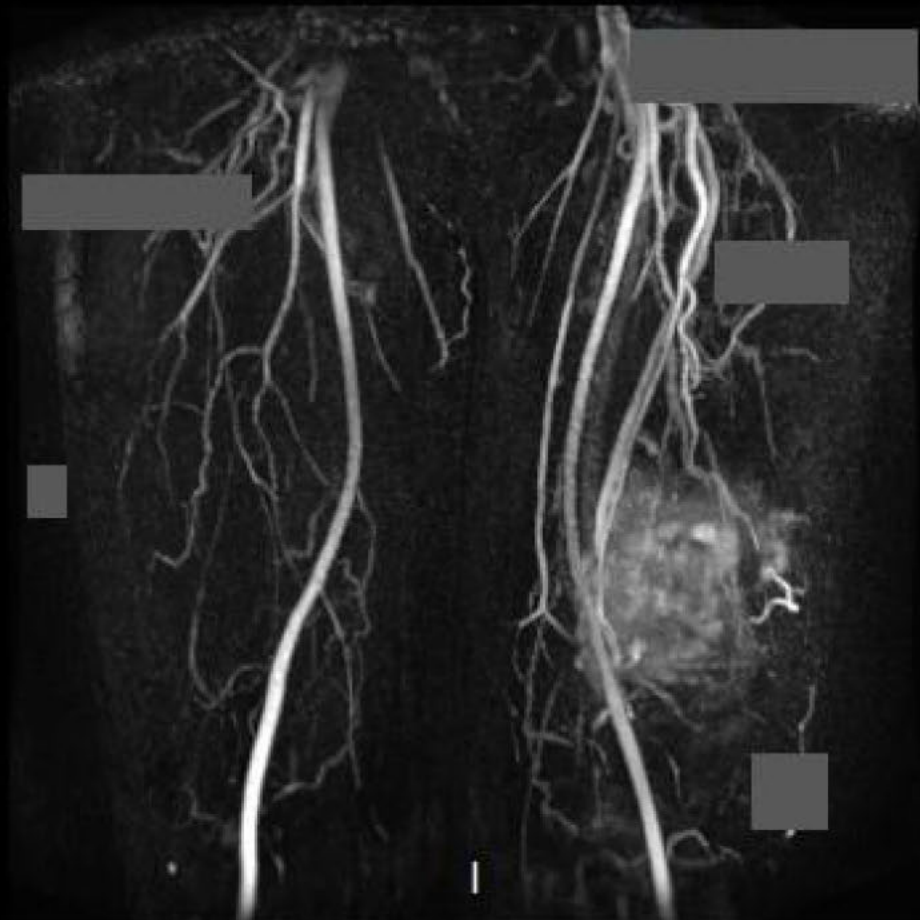


Coronal T2FS

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



MR Angiogram

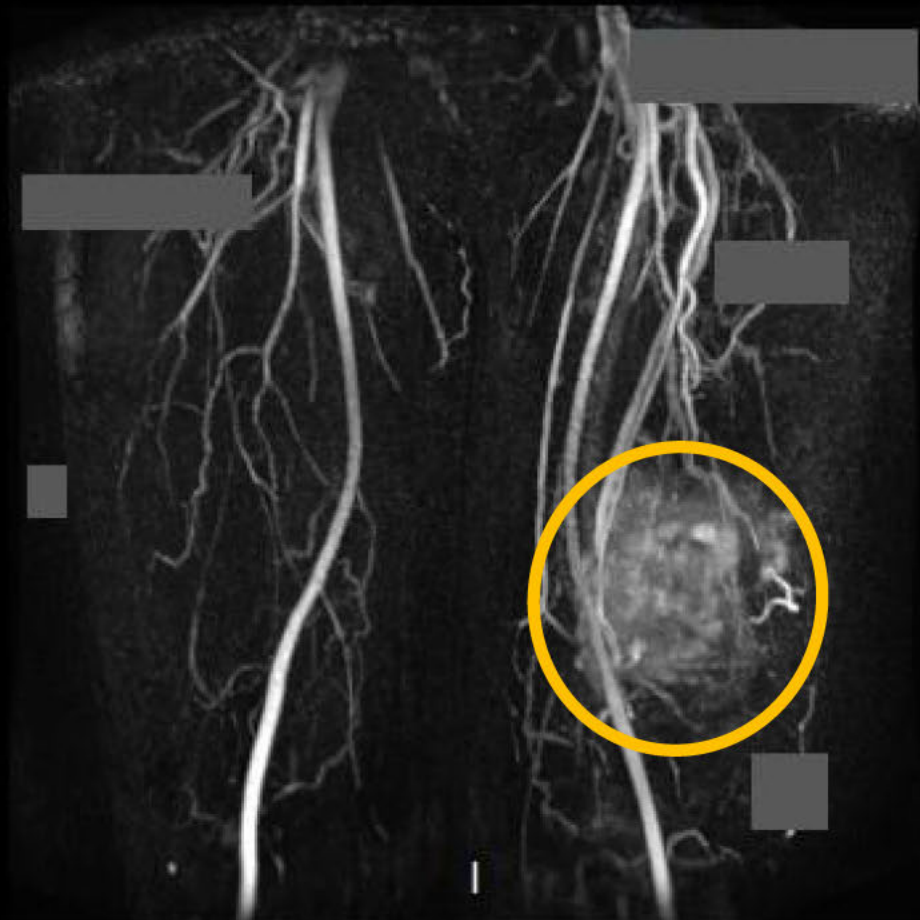


Coronal T2FS

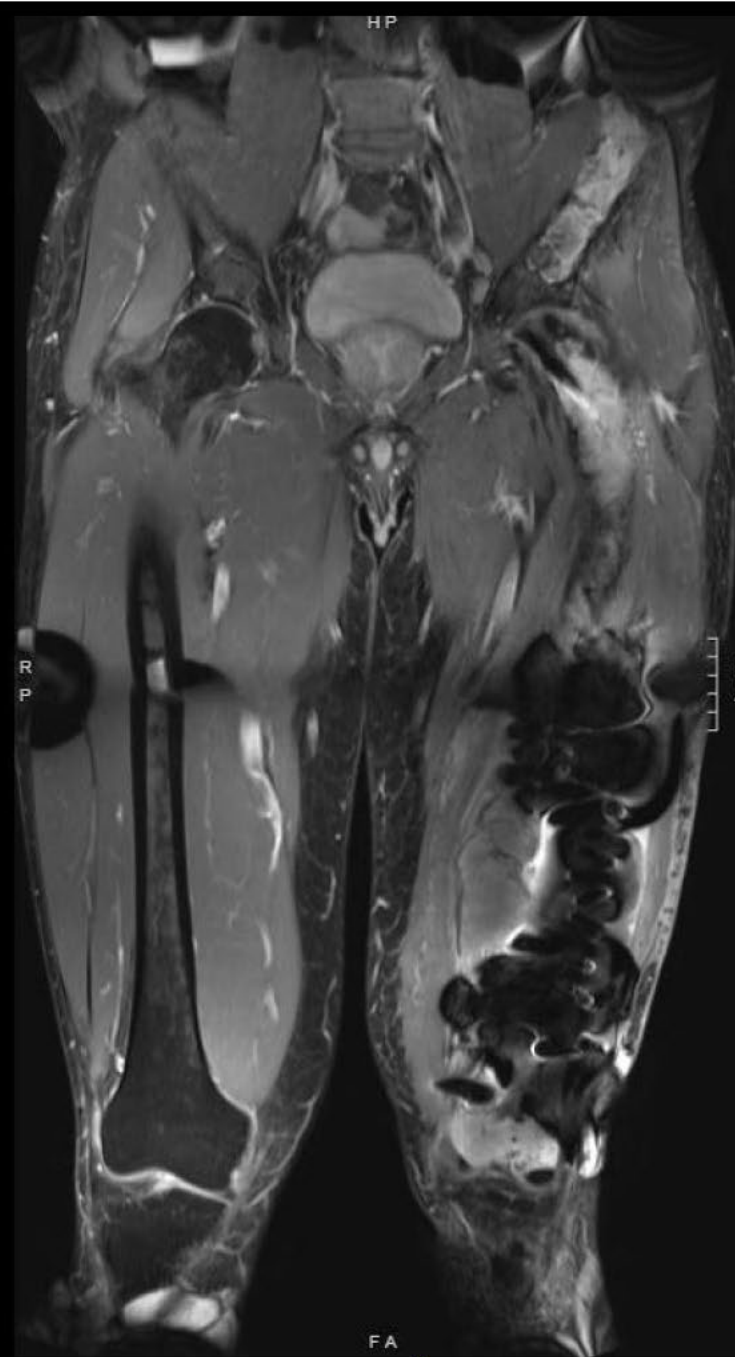
AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



MR Angiogram



Coronal T2FS

AIRPTM

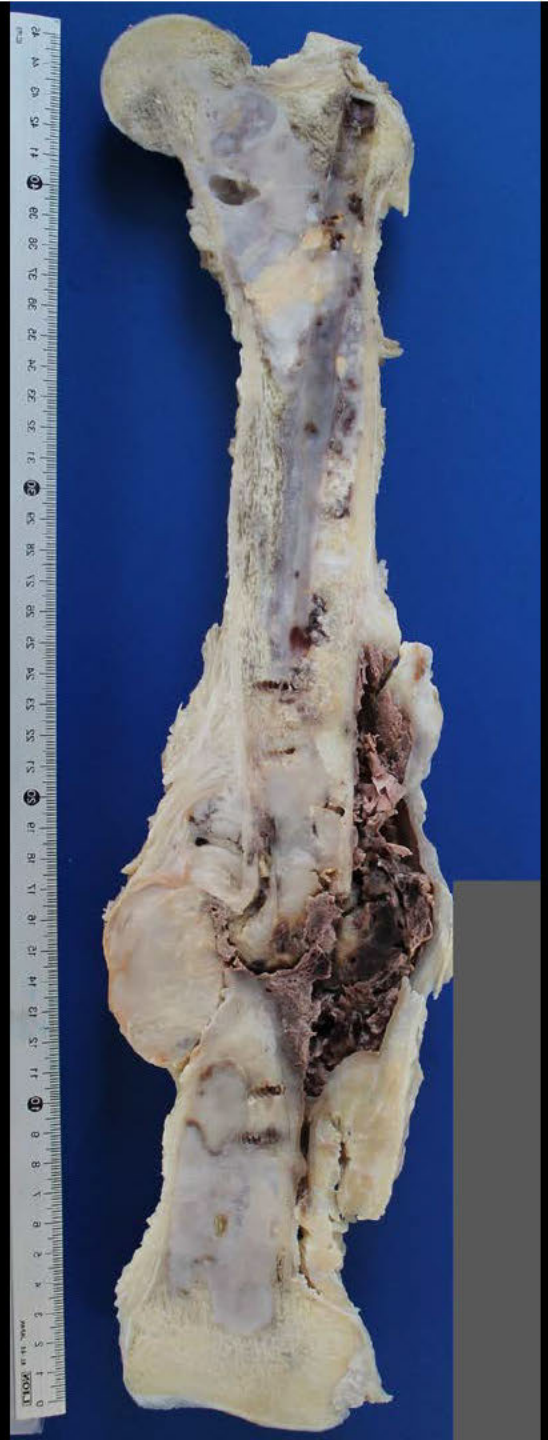
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

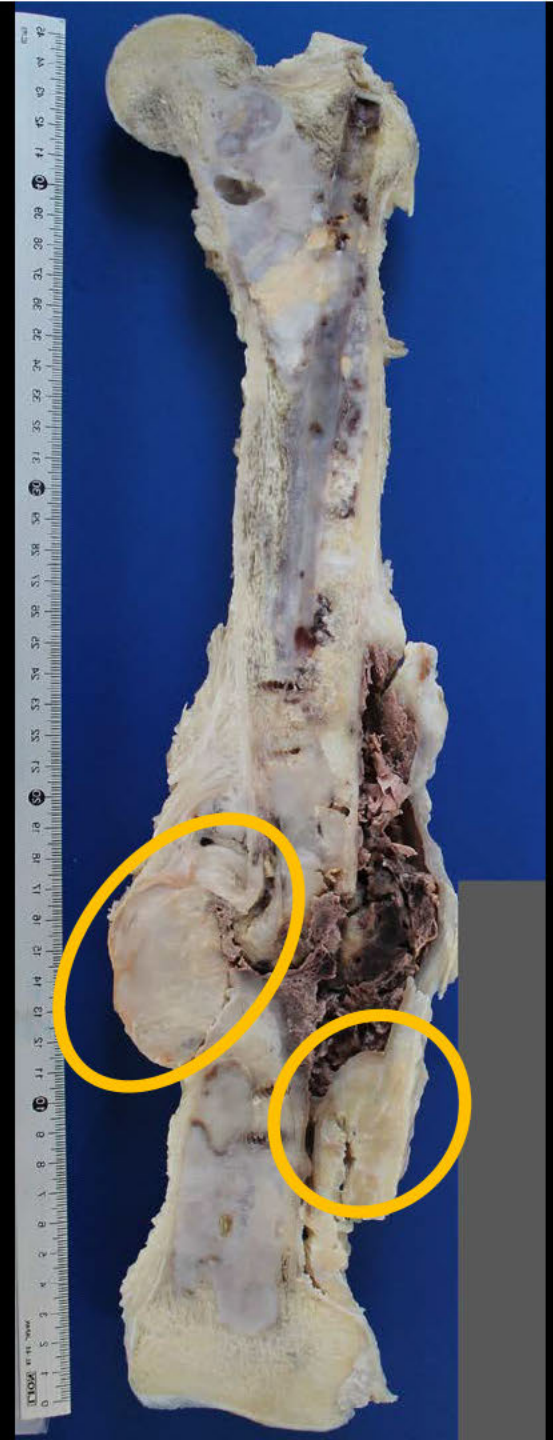
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

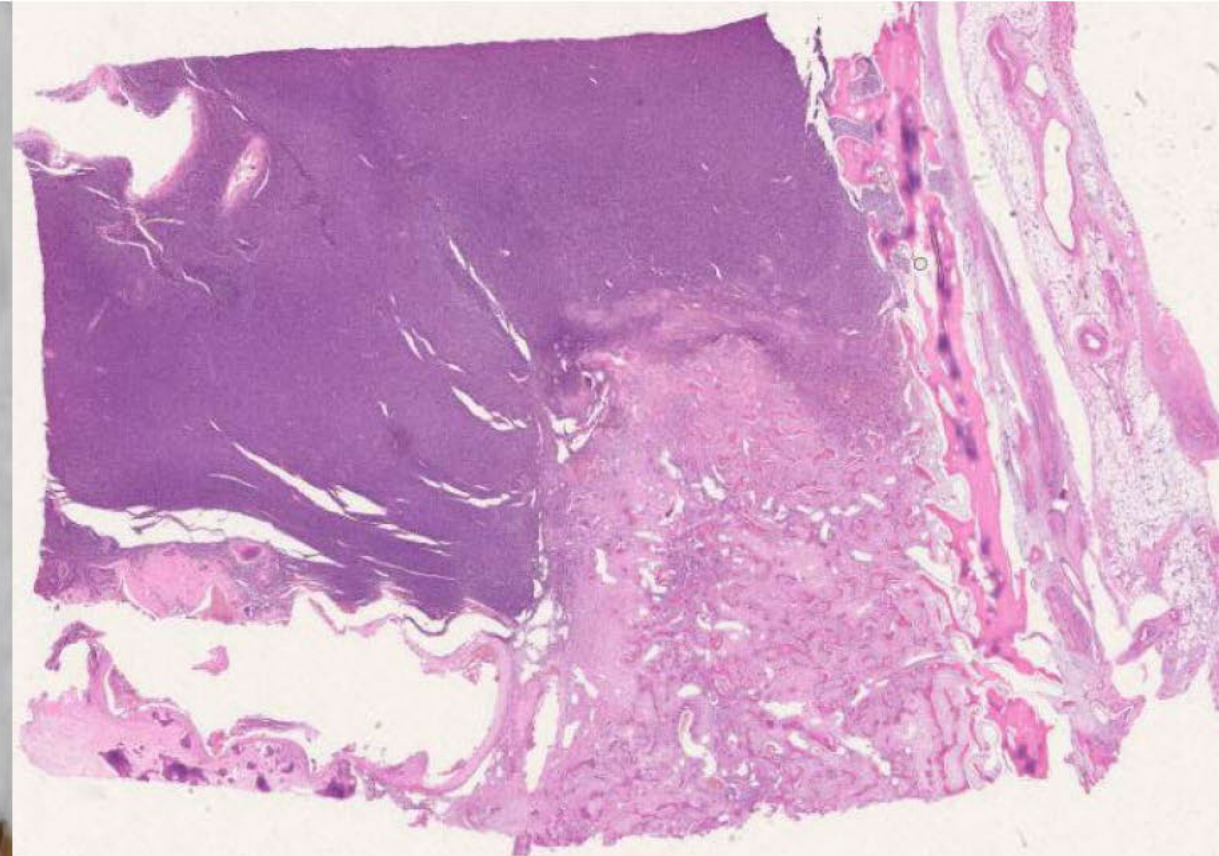
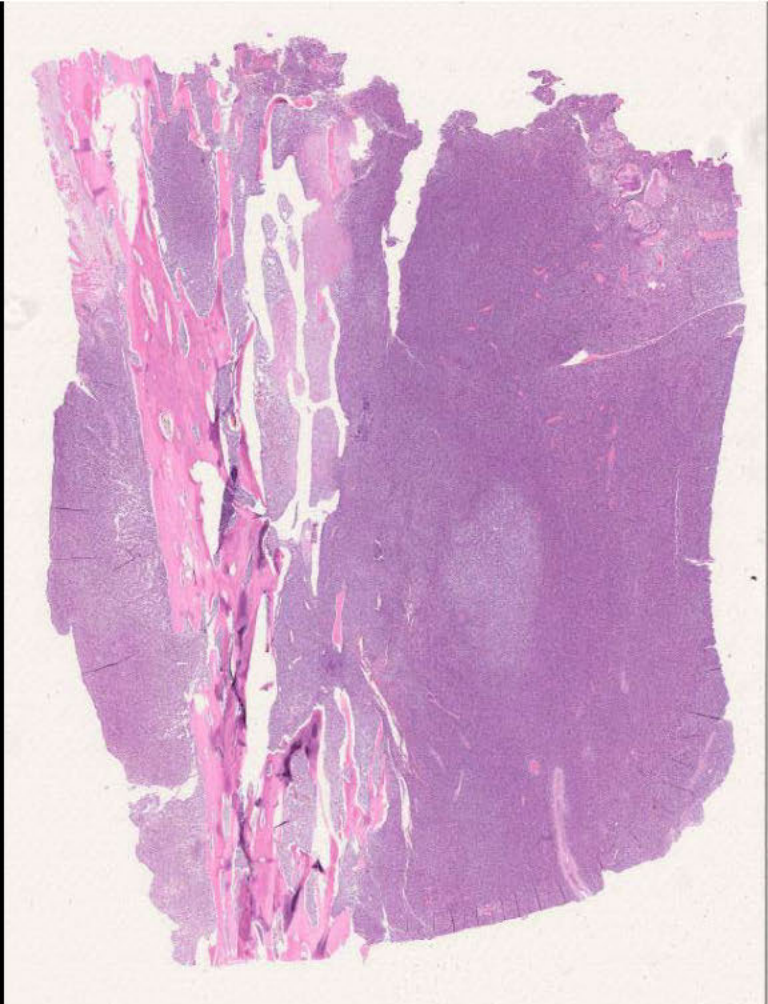
AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



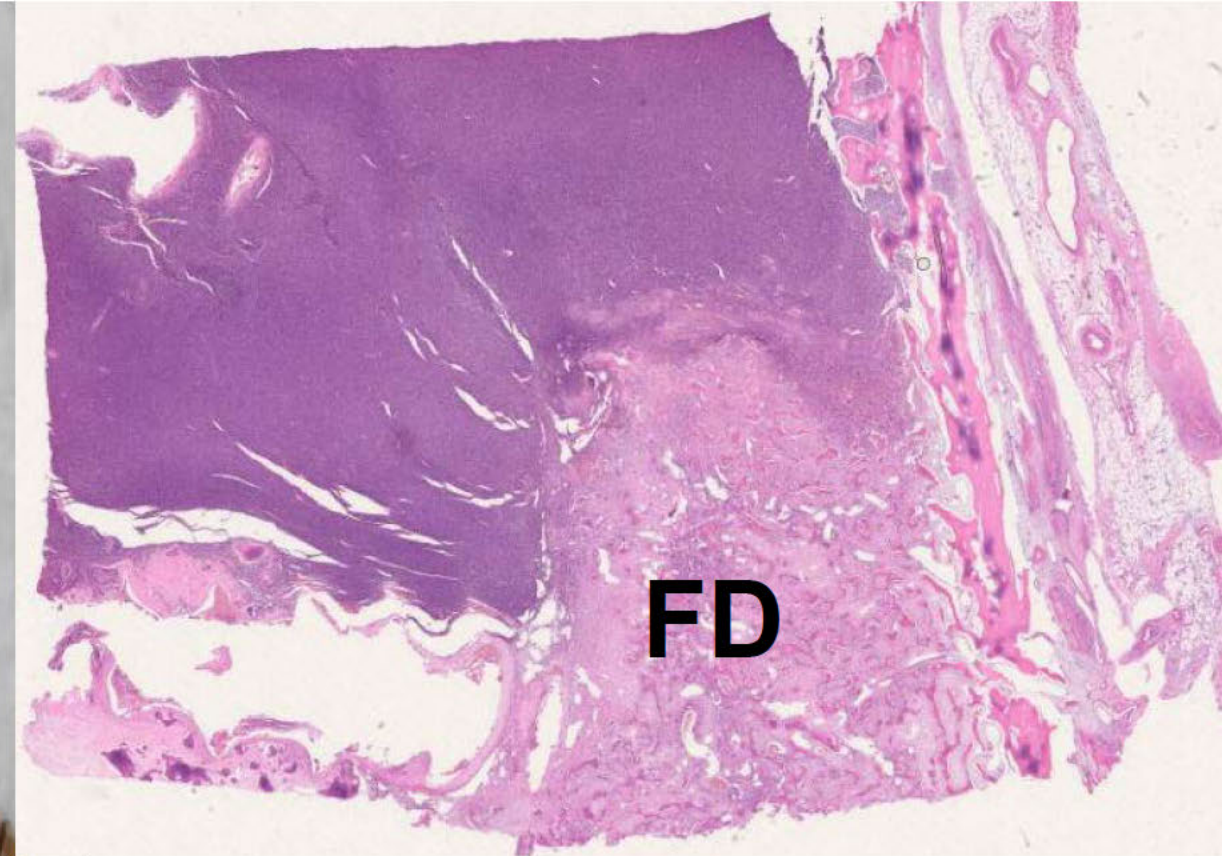
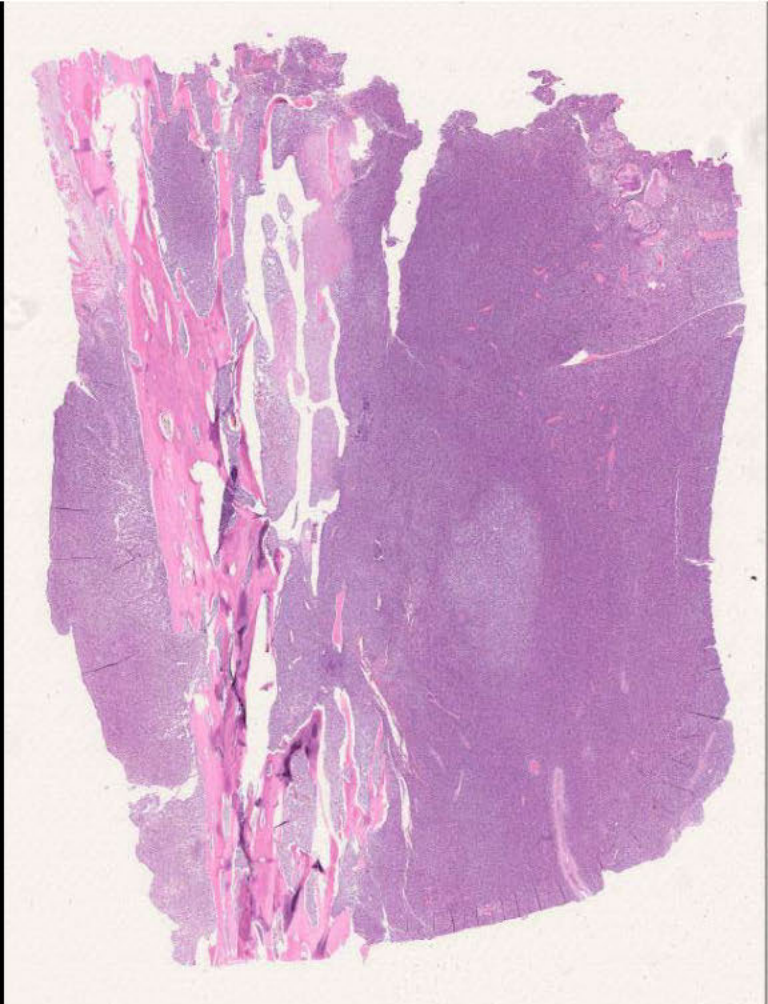




AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

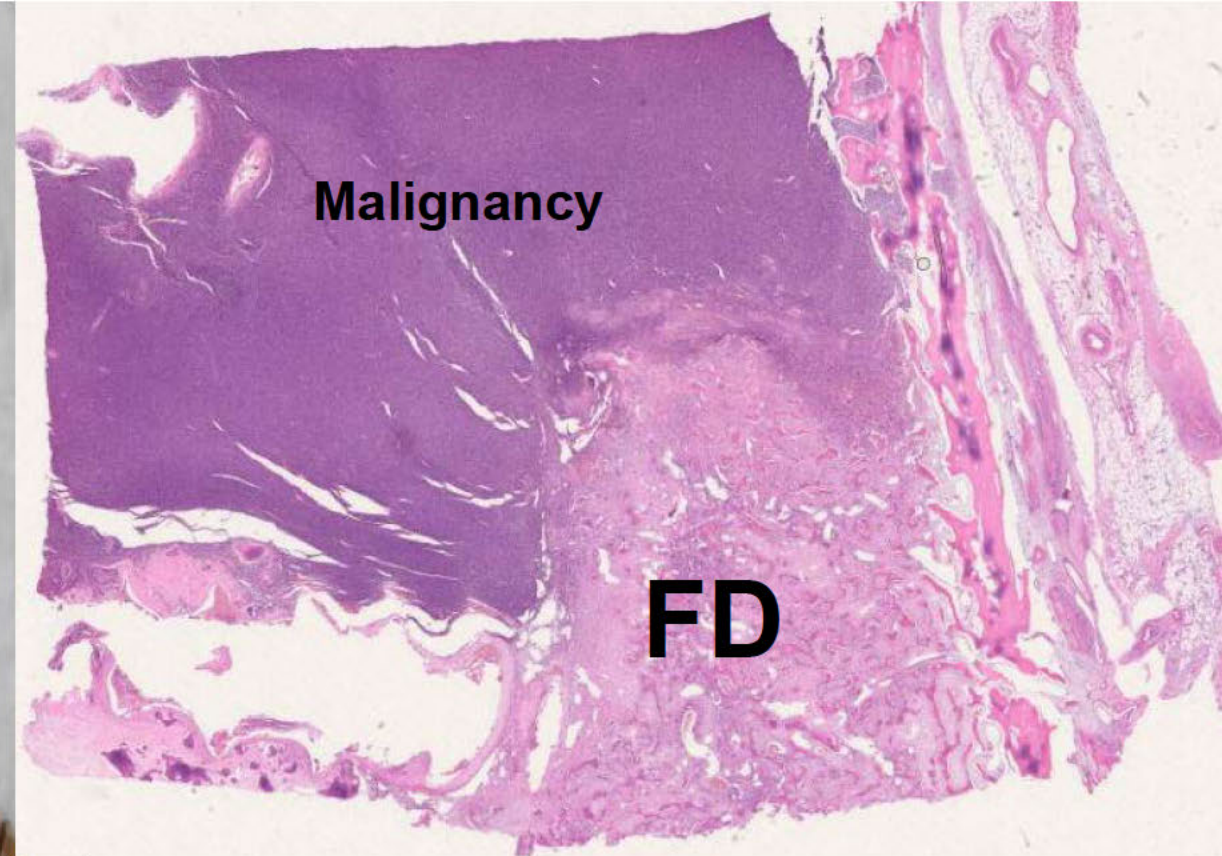
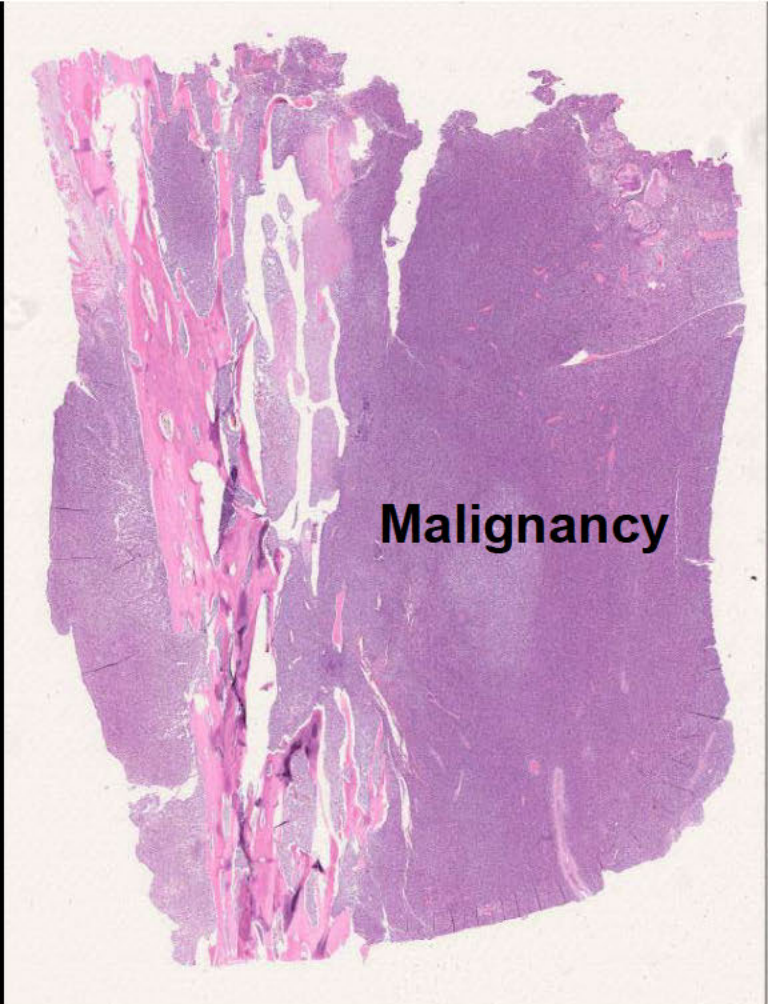
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

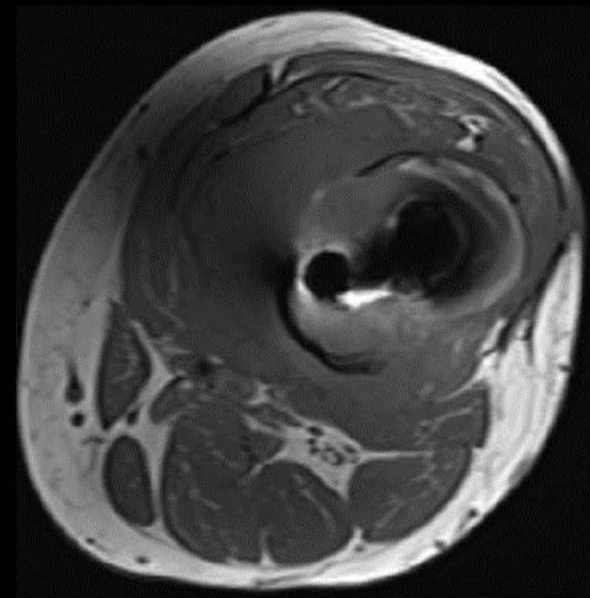
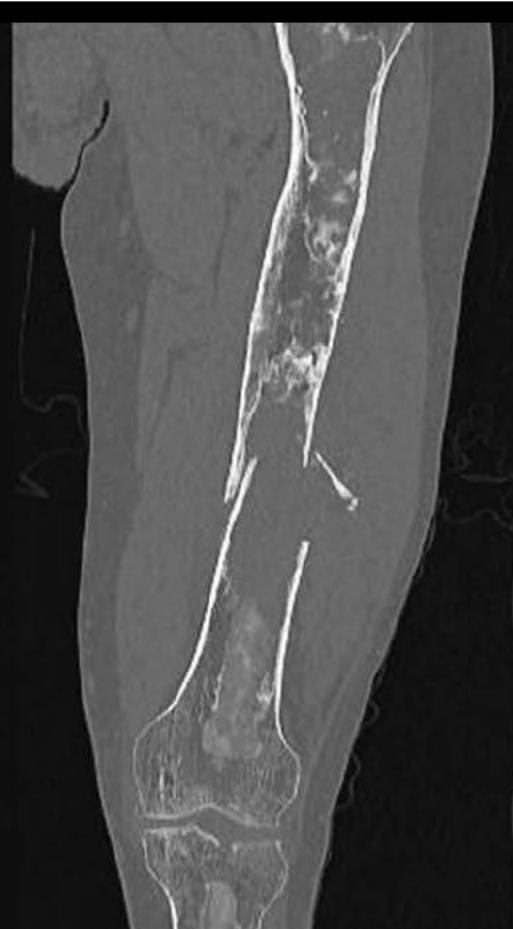
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



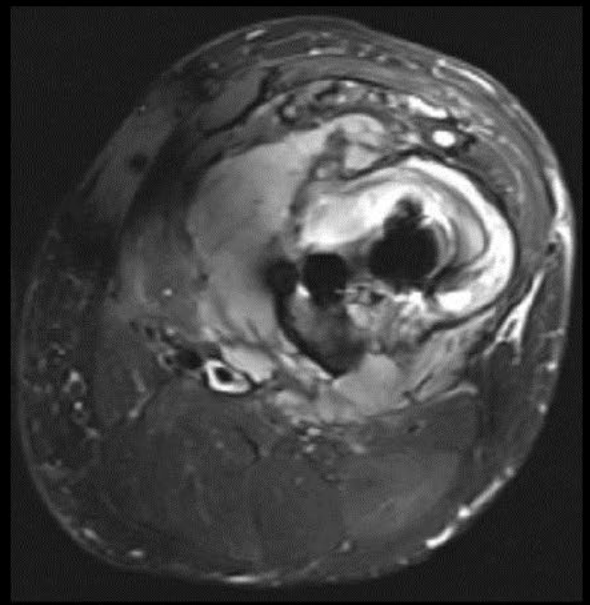
AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

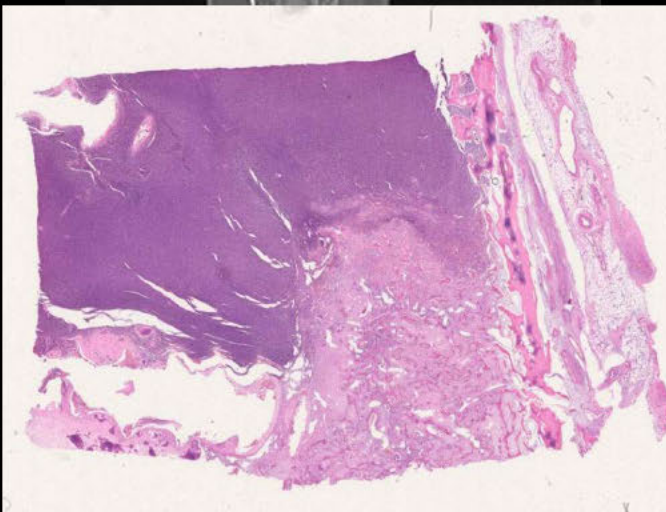
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

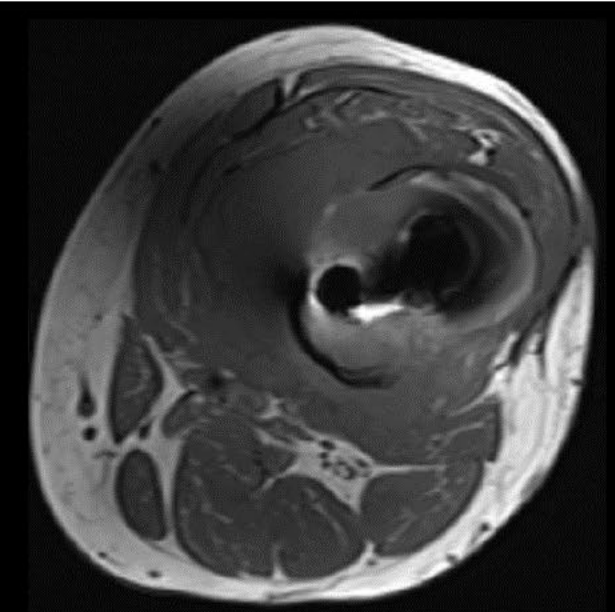
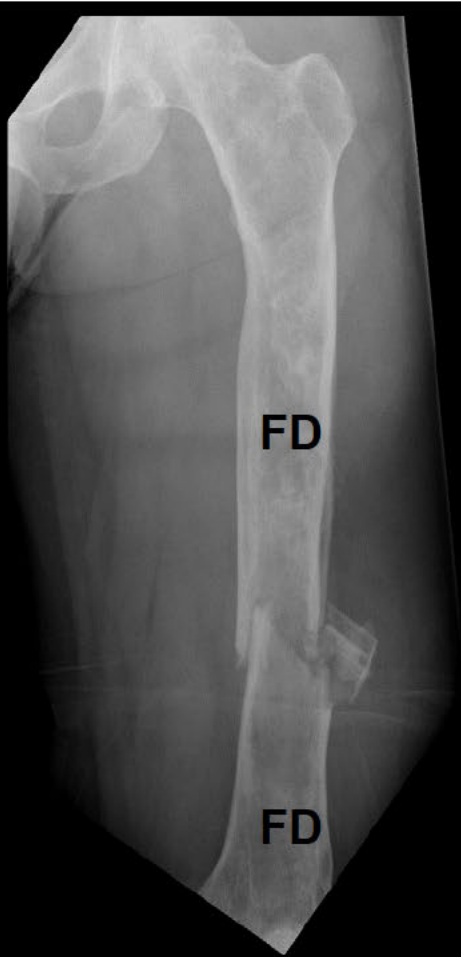


Axial T1

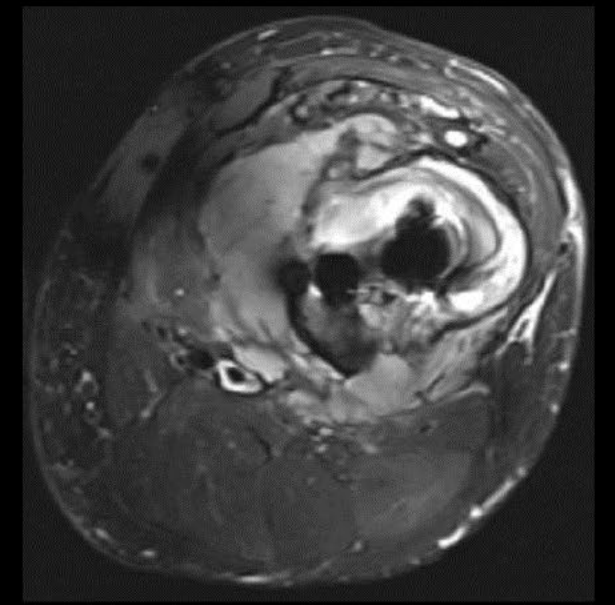


Axial T2 FS

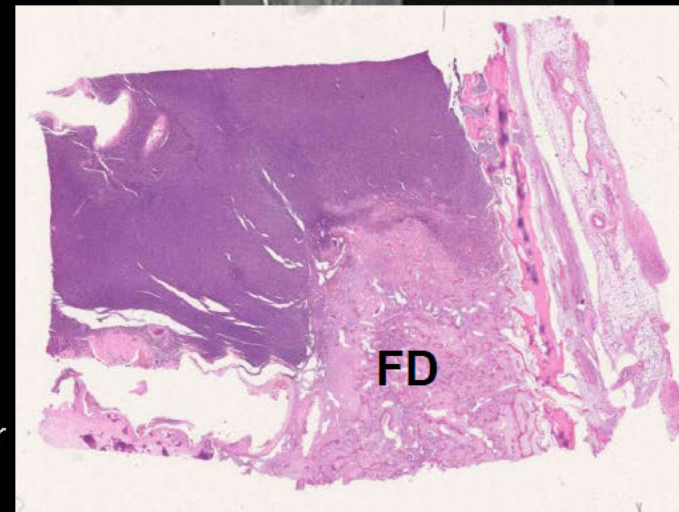


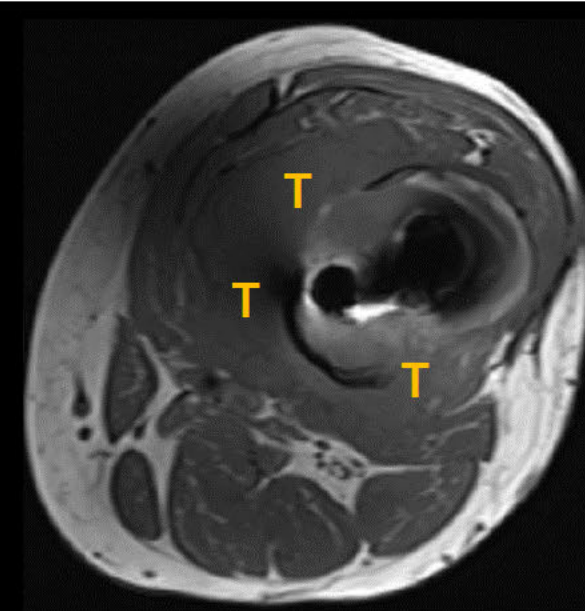
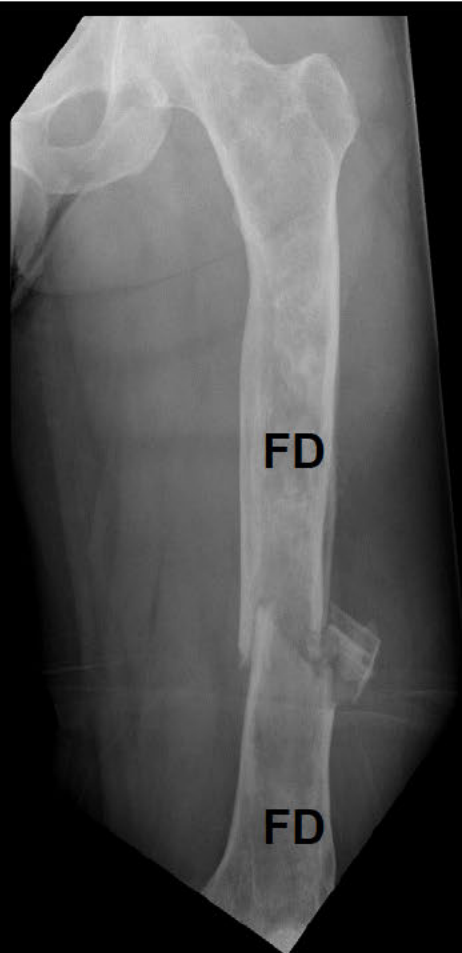


Axial T1

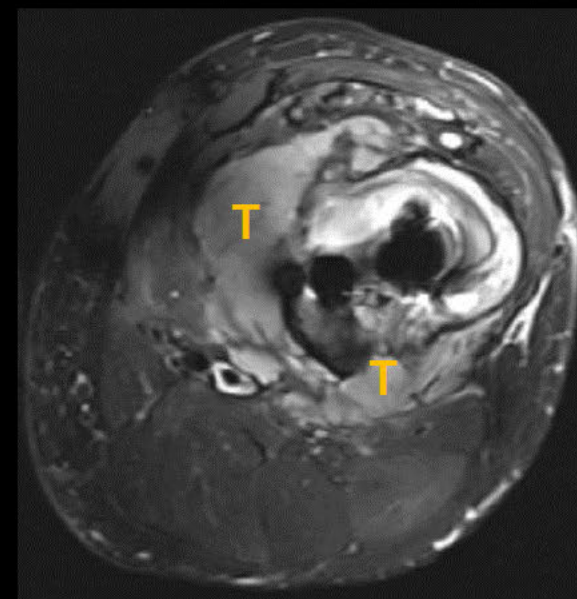


Axial T2 FS

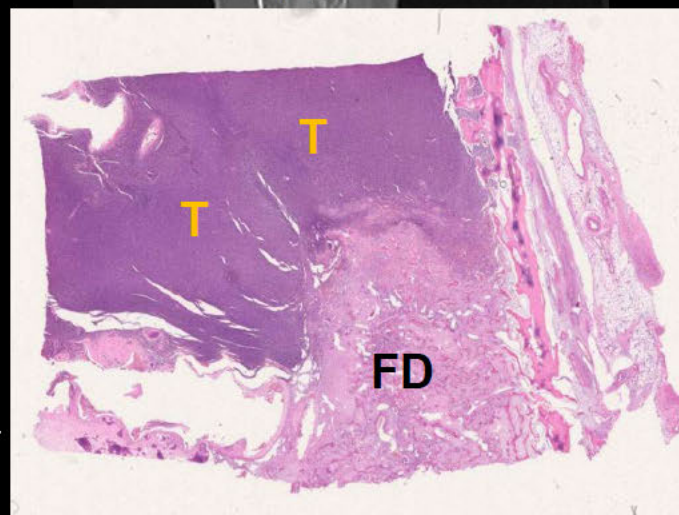




Axial T1



Axial T2 FS



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

POLYOSTOTIC FIBROUS DYSPLASIA TO FIBROSARCOMA

Dr. Anne Gallot-Lavallée
CHUV, Lausanne, Switzerland

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Gastrointestinal Best Case



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

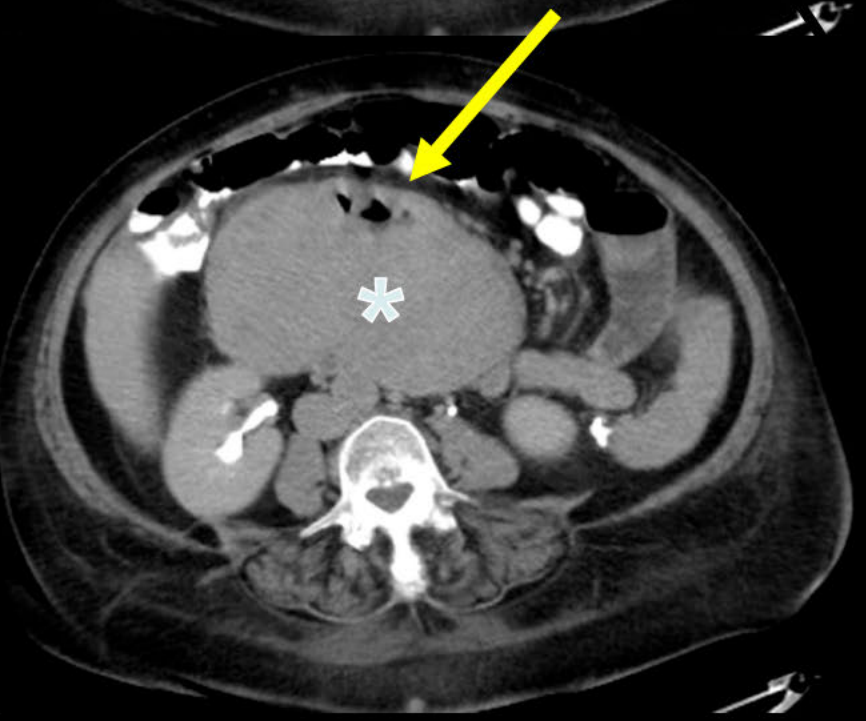
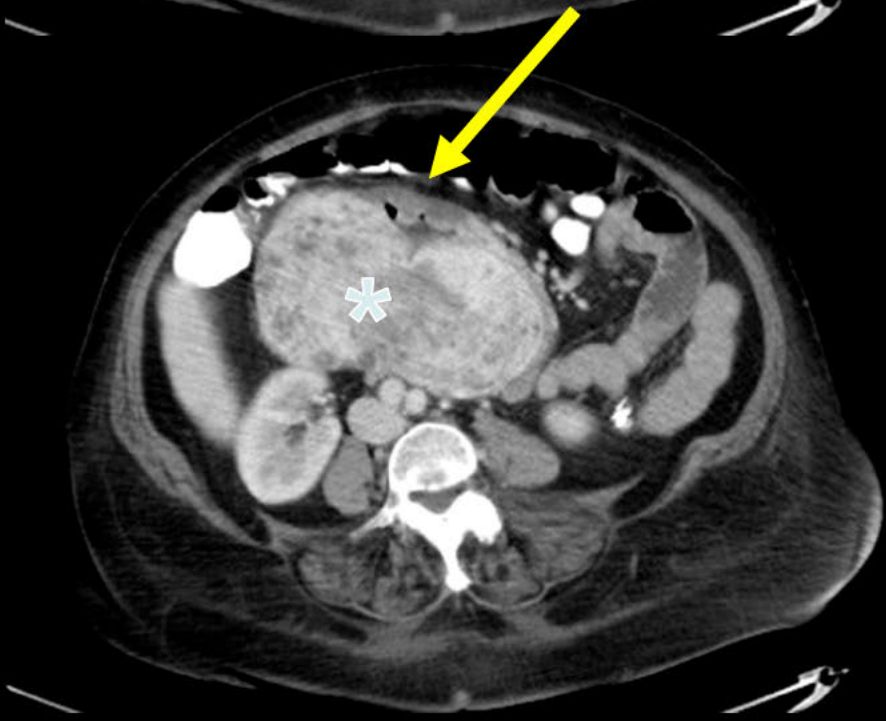
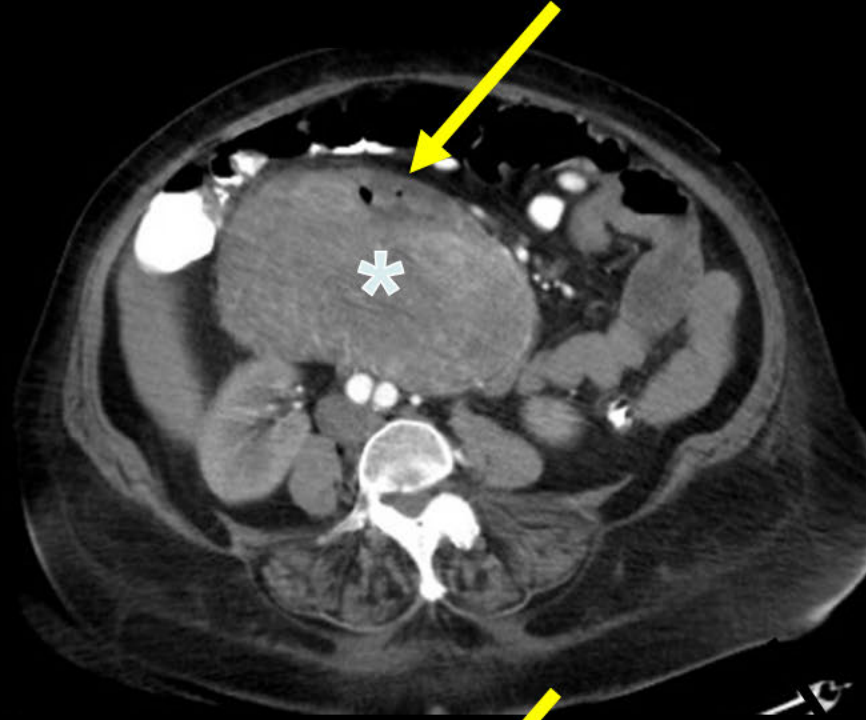
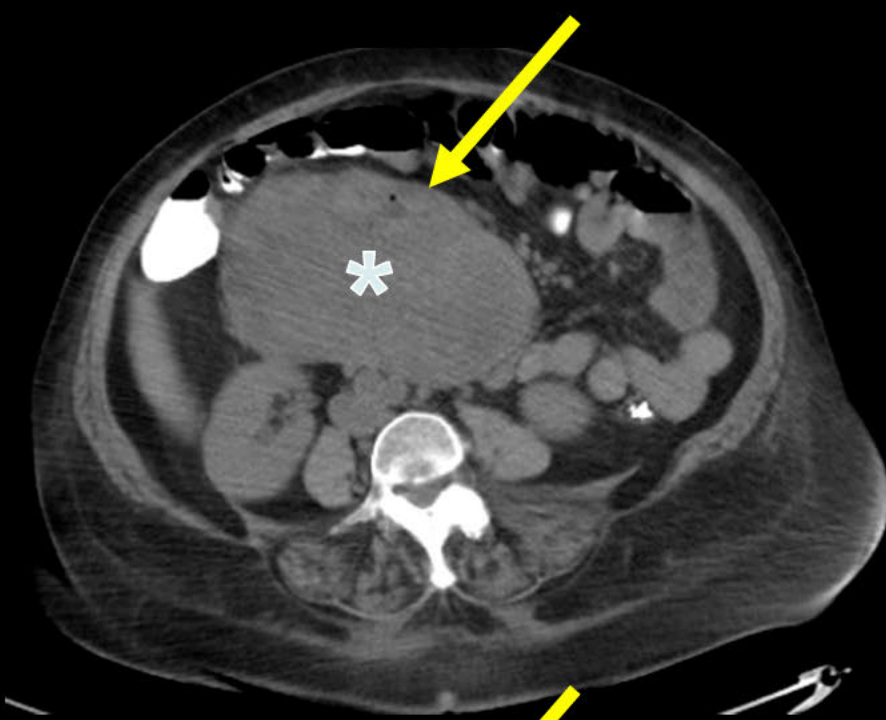
Clinical information

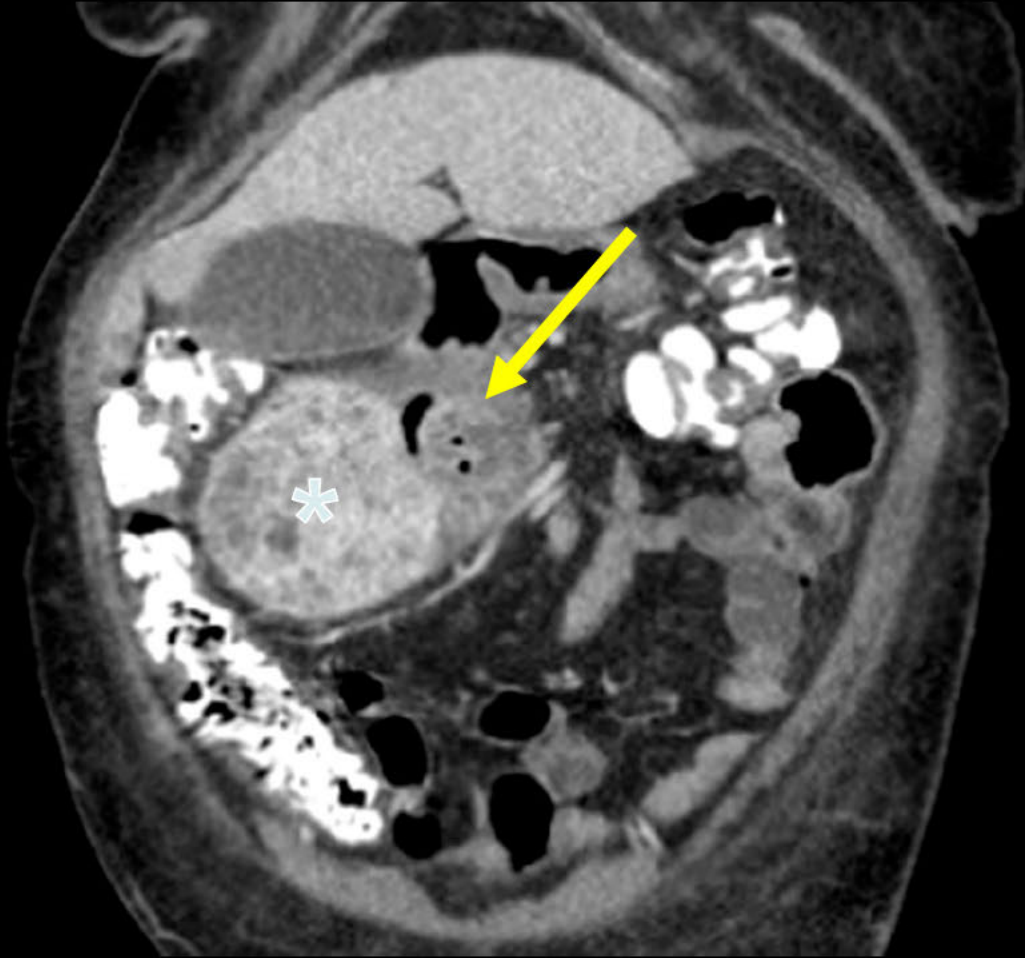
64-year-old white female with progressive fatigue. ROS revealed melena x 1mo, intermittent epigastric pain, and unintentional weight loss of 50lbs.

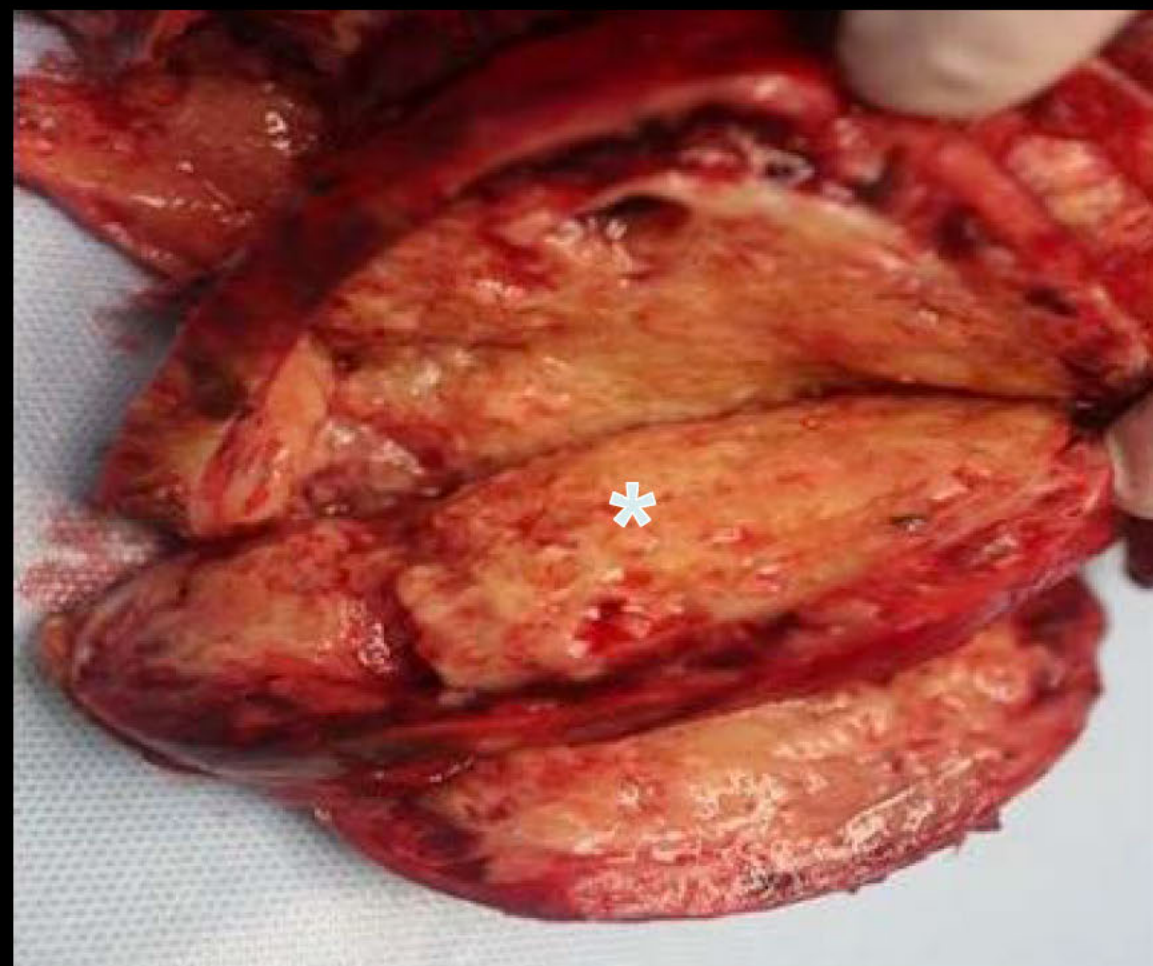
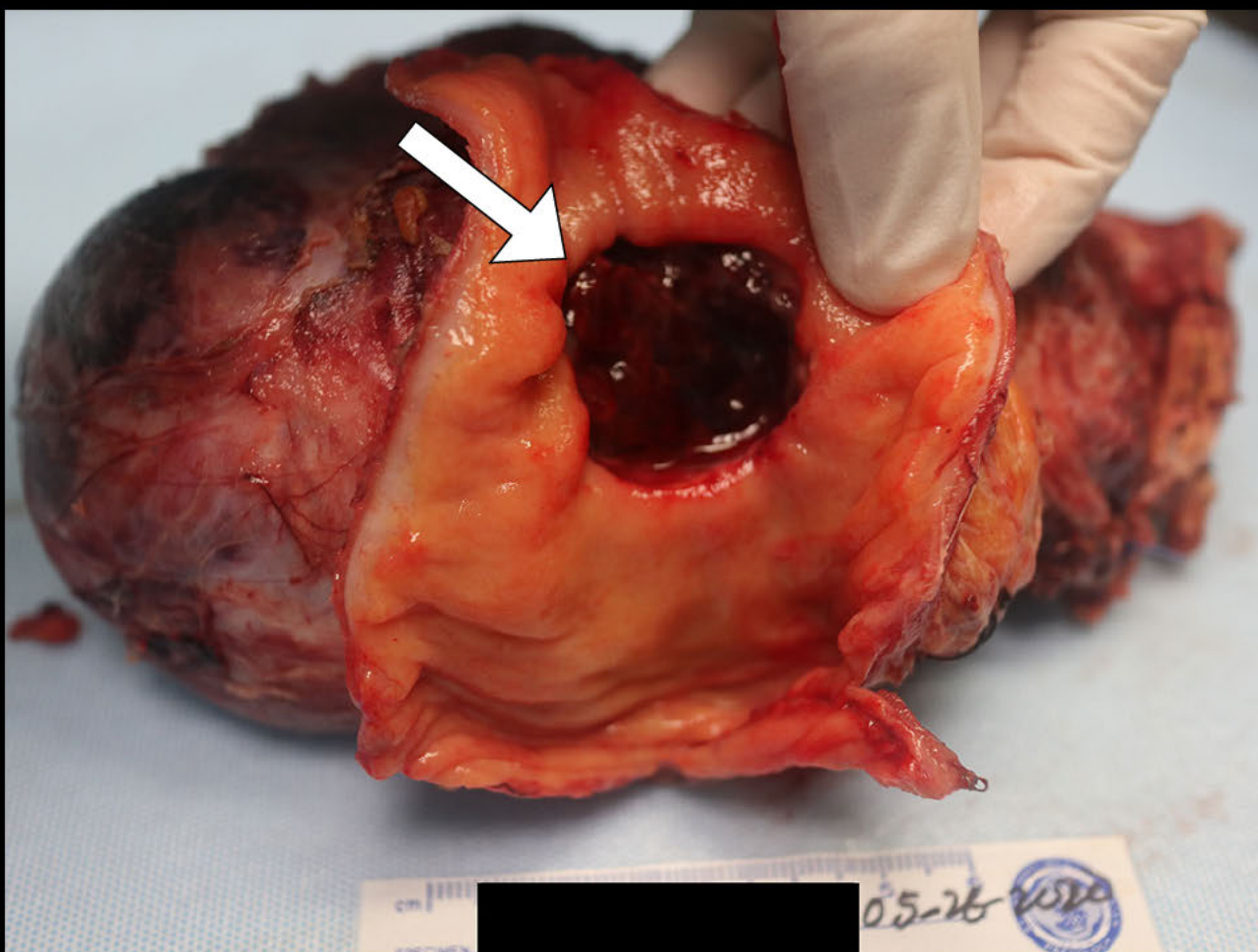


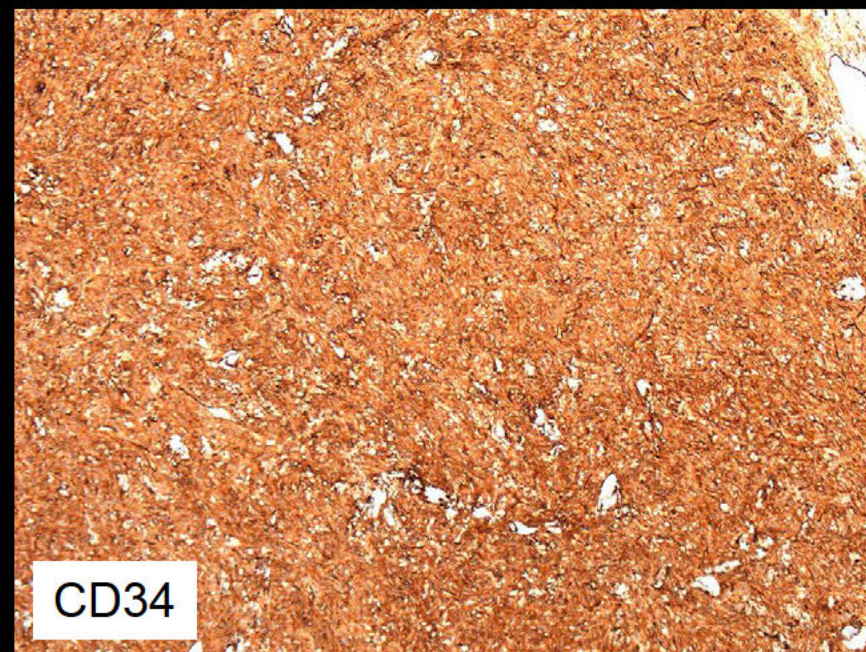
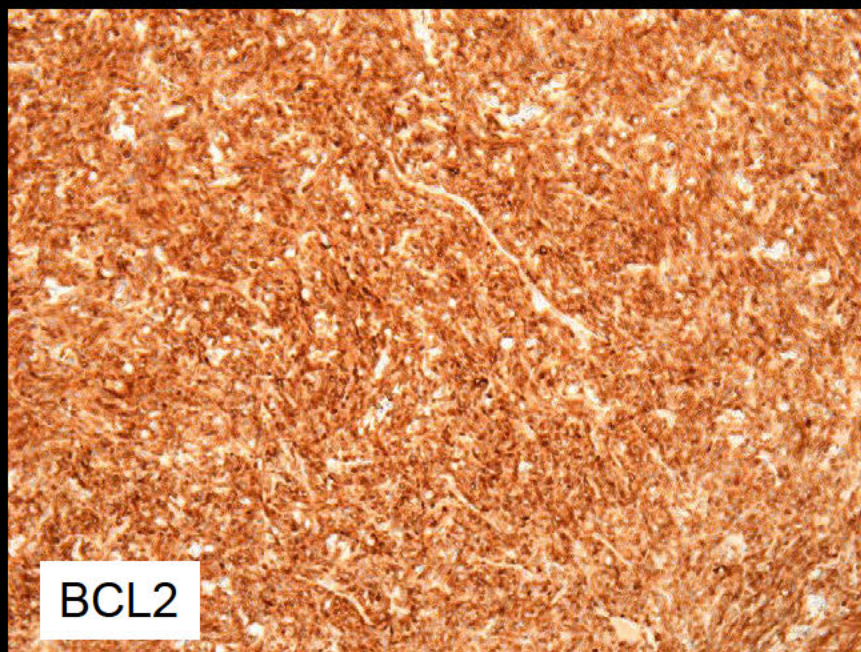
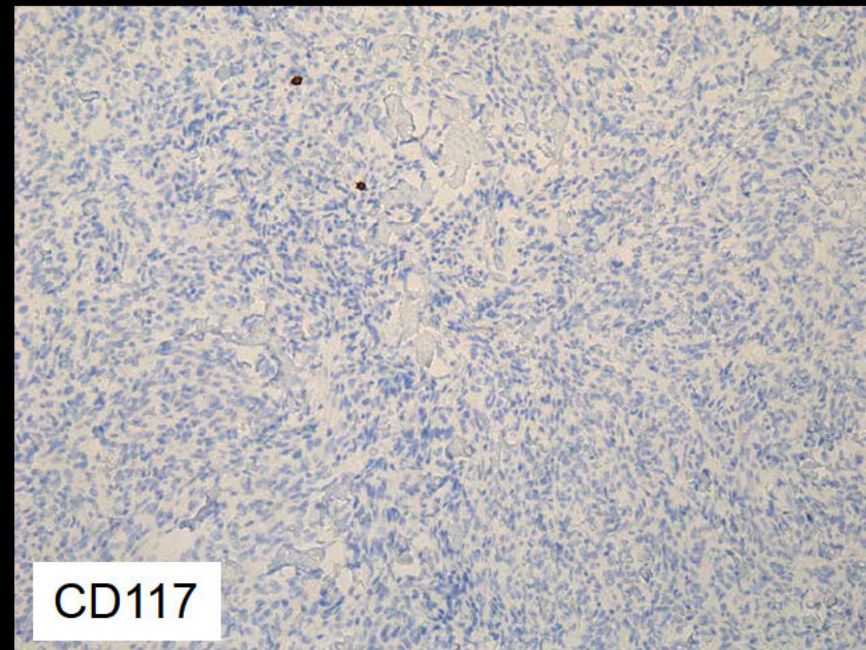
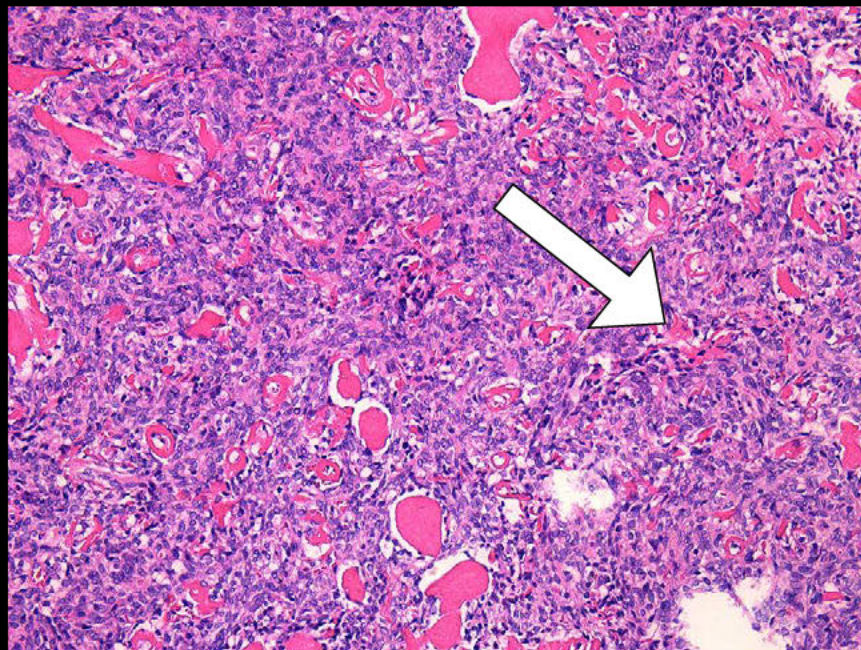
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY









Solitary Fibrous Tumor arising from Duodenum

Sarah Khan, MD

Robert Wood Johnson - St. Barnabas Medical Center

Livingston, NJ

AIRPTM

**AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY**

**A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY**

Neuroradiology Best Case



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

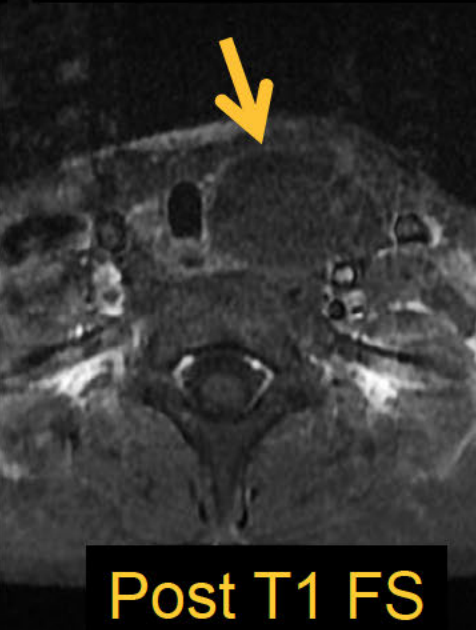
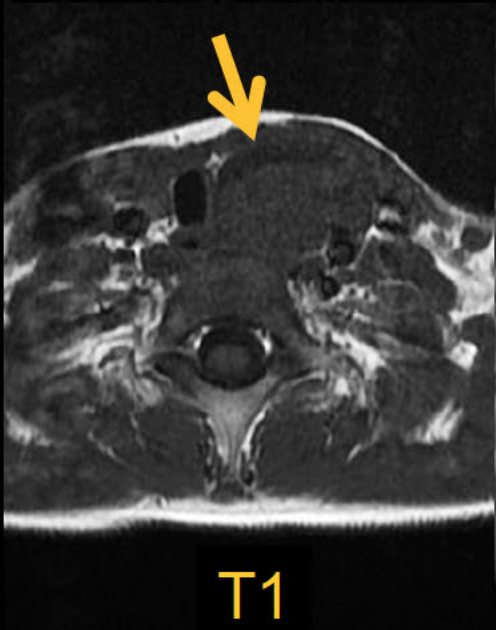
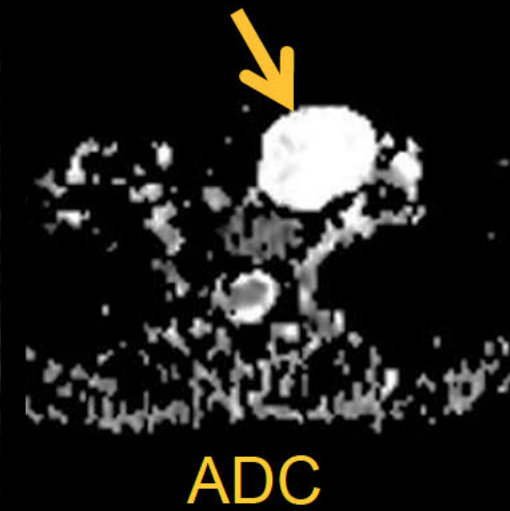
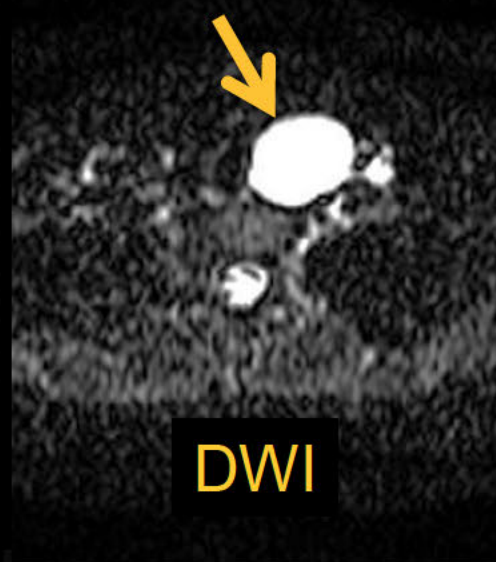
Clinical Information

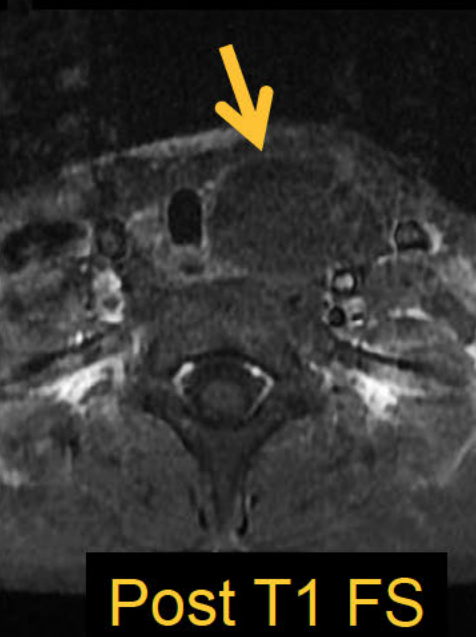
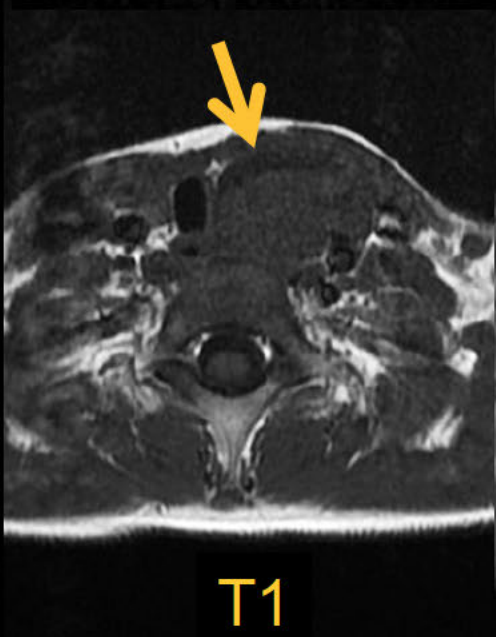
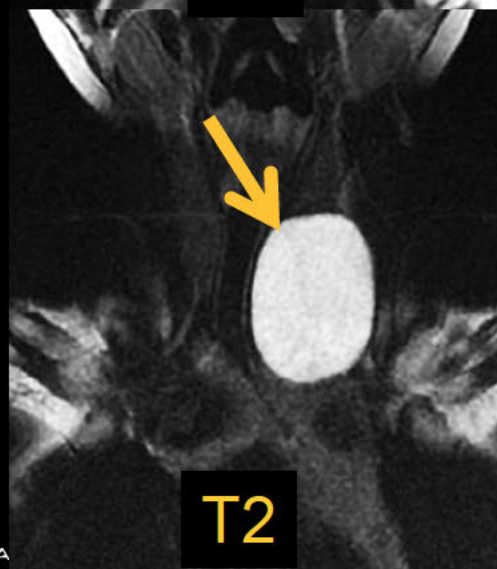
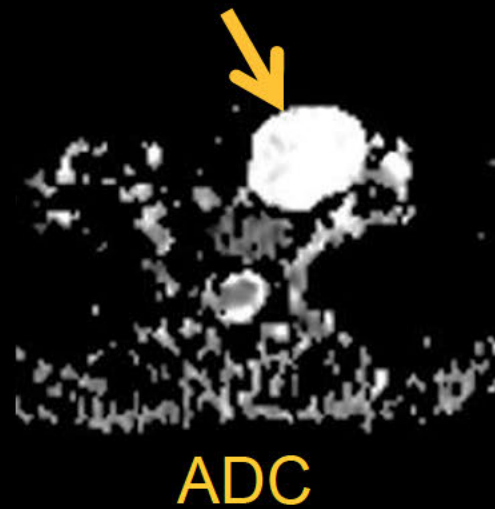
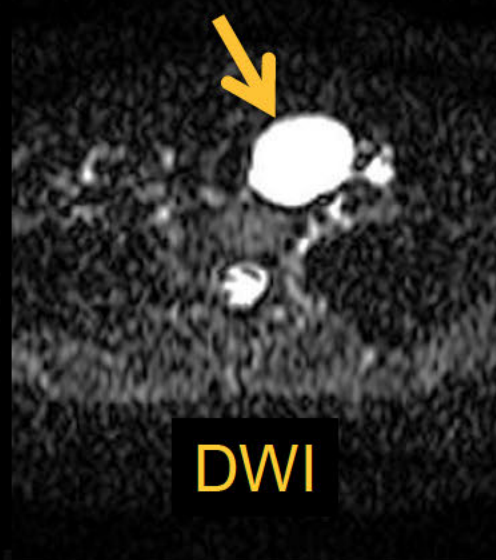
9-year-old female born healthy with painless neck mass. Otherwise asymptomatic.

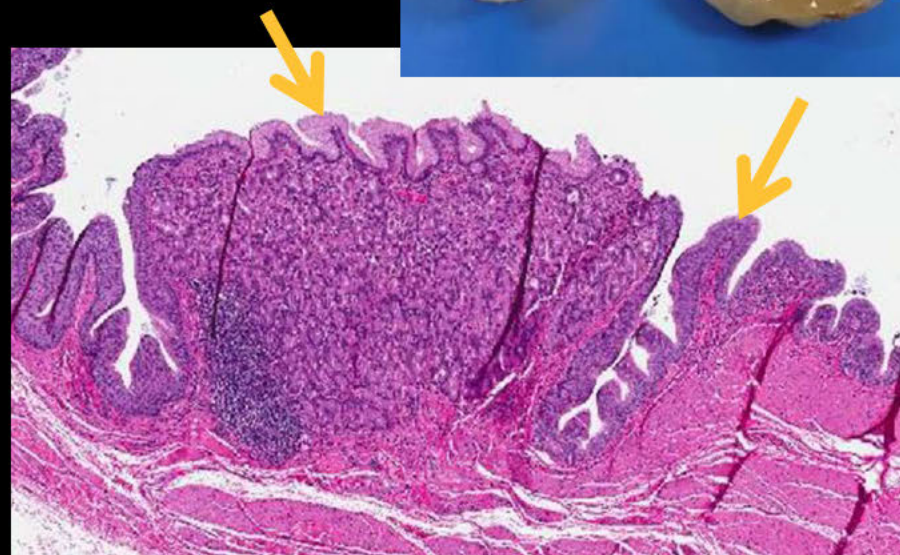
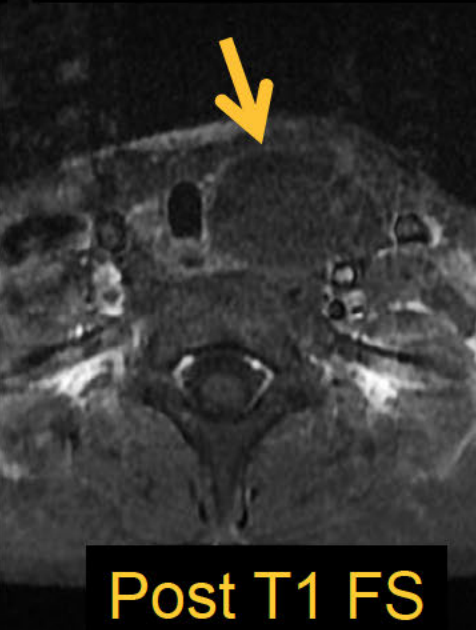
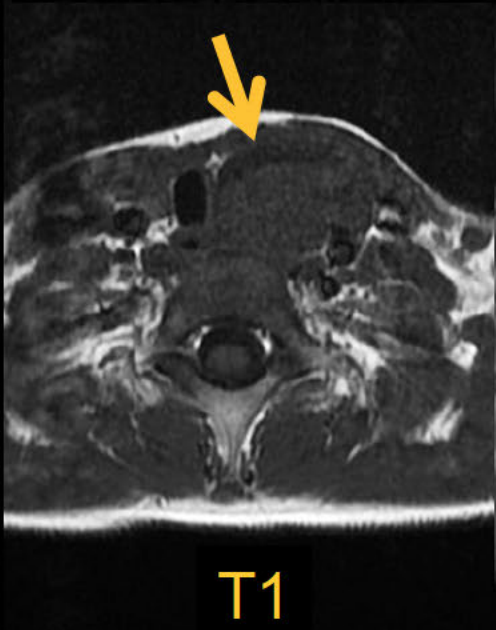
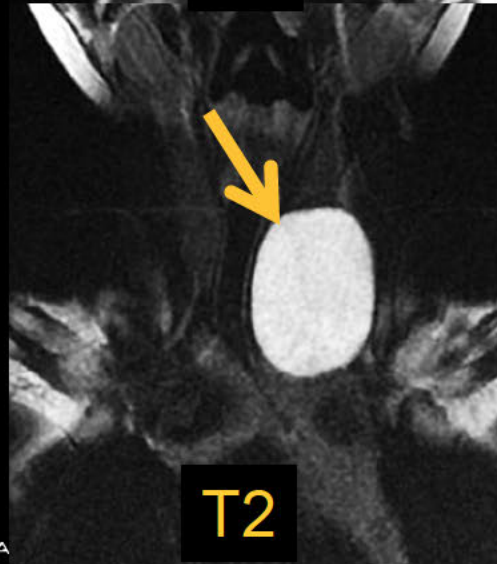
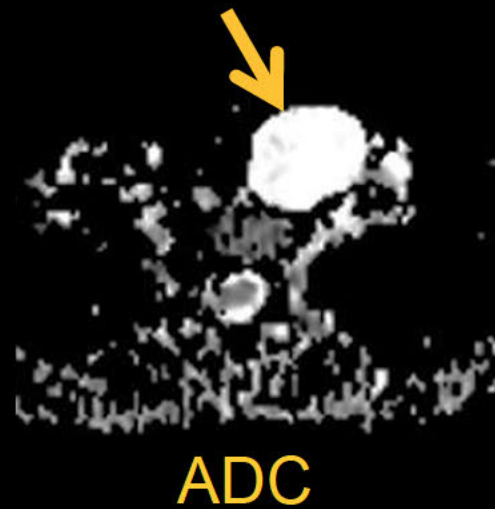
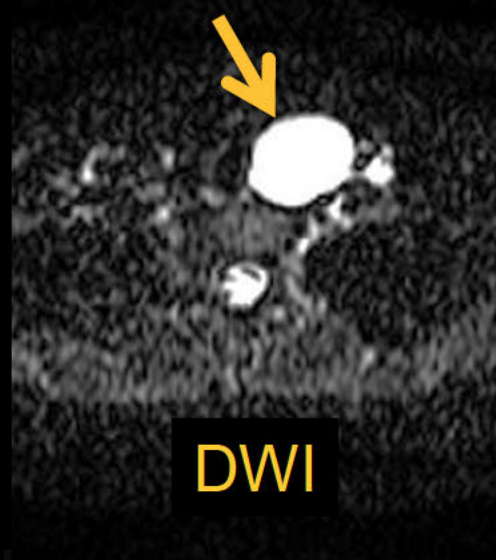


AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY







Foregut Duplication Cyst

Charles Nhan, M.D.

McGill University

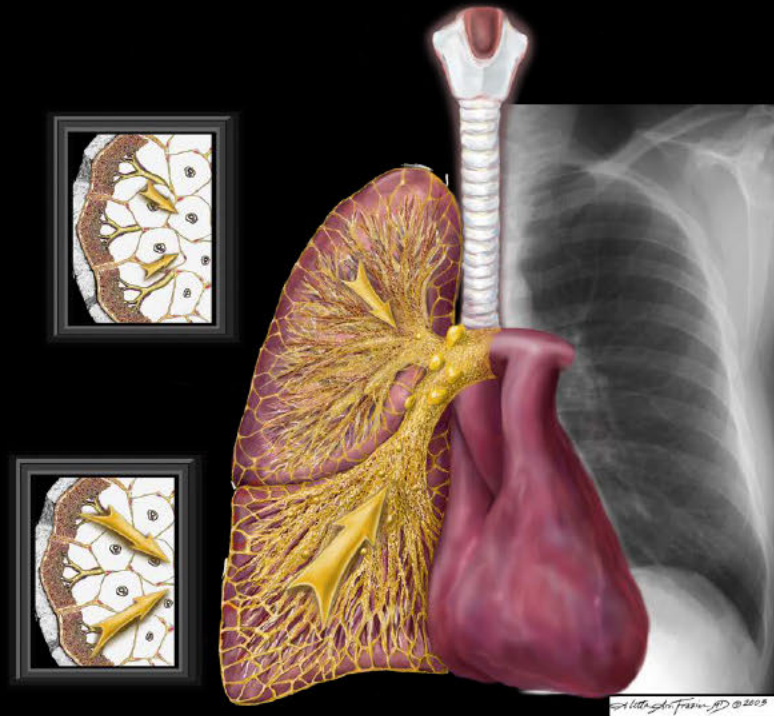
Montreal, Quebec, Canada

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Pulmonary and Mediastinal Best Case



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

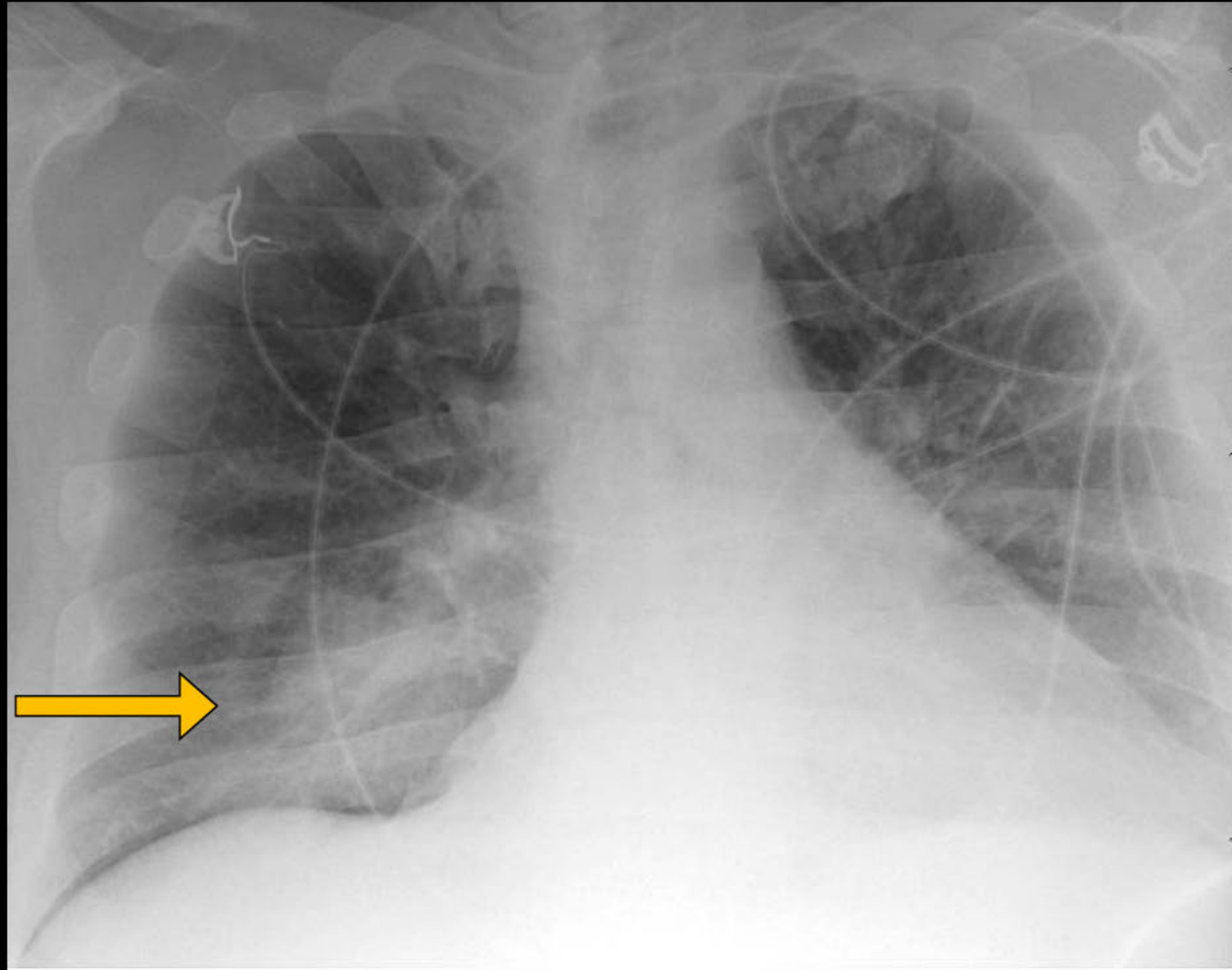
Clinical information

**46-year-old male with shortness of breath.
Additional clinical history of migraines, morbid obesity.**



AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

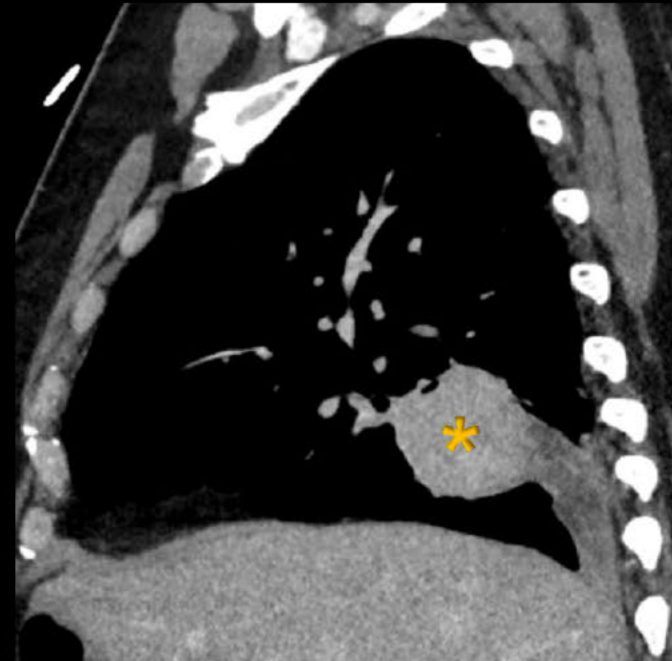


CXR: right lower lobe rounded opacity

AIRPTM

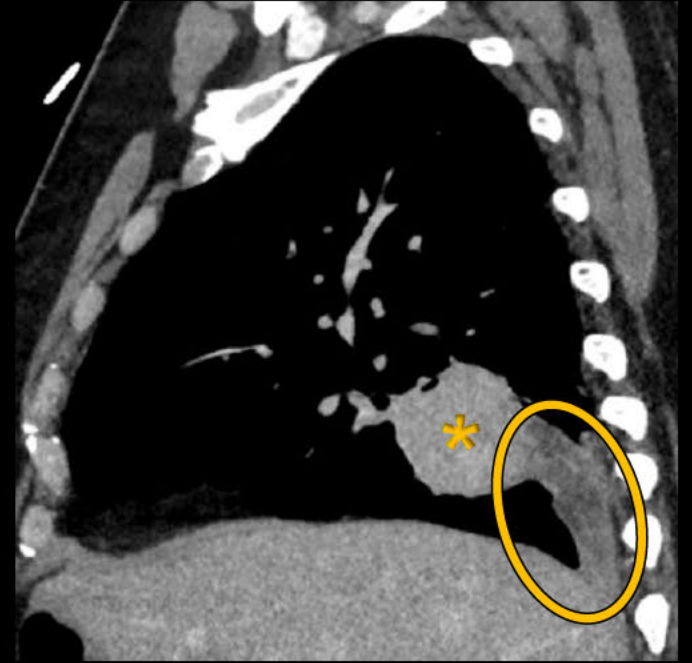
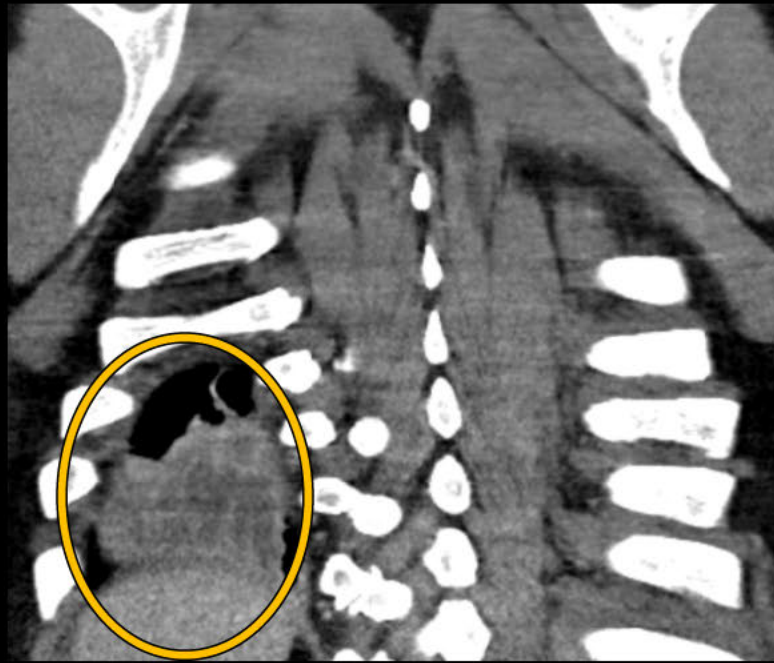
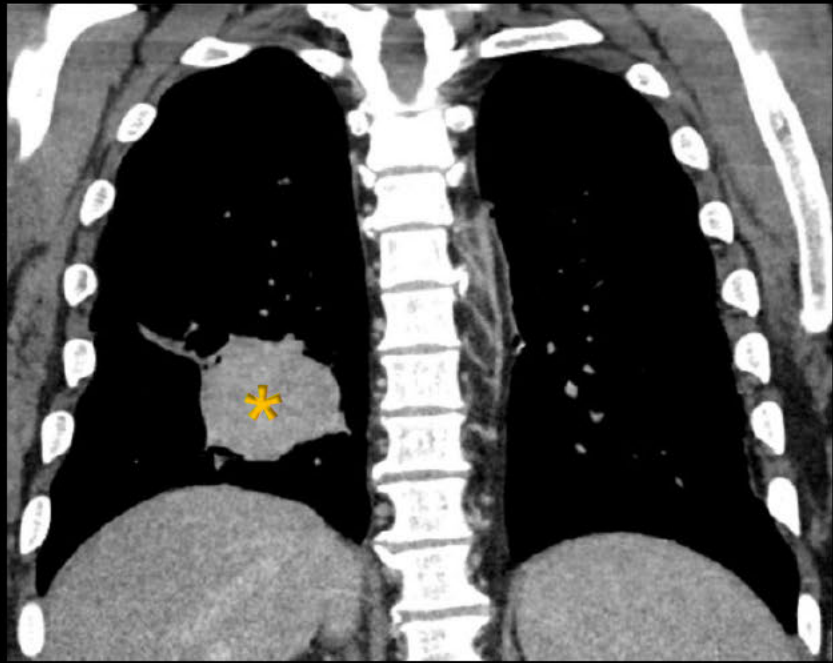
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

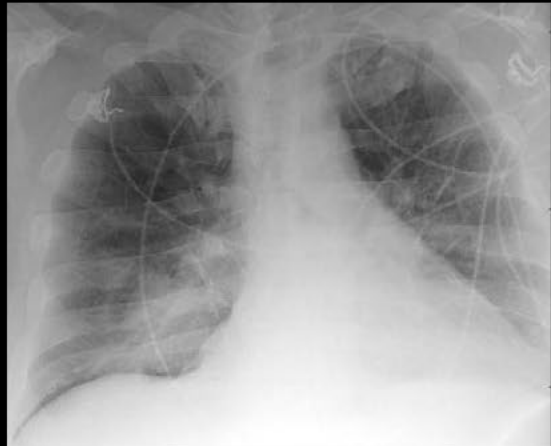


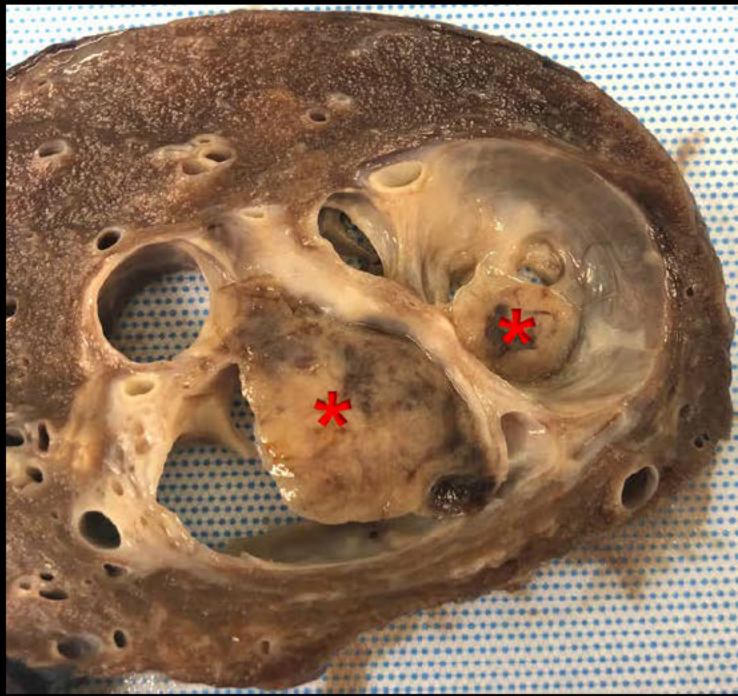
CT (right): right lower lobe rounded mass, with small endobronchial component



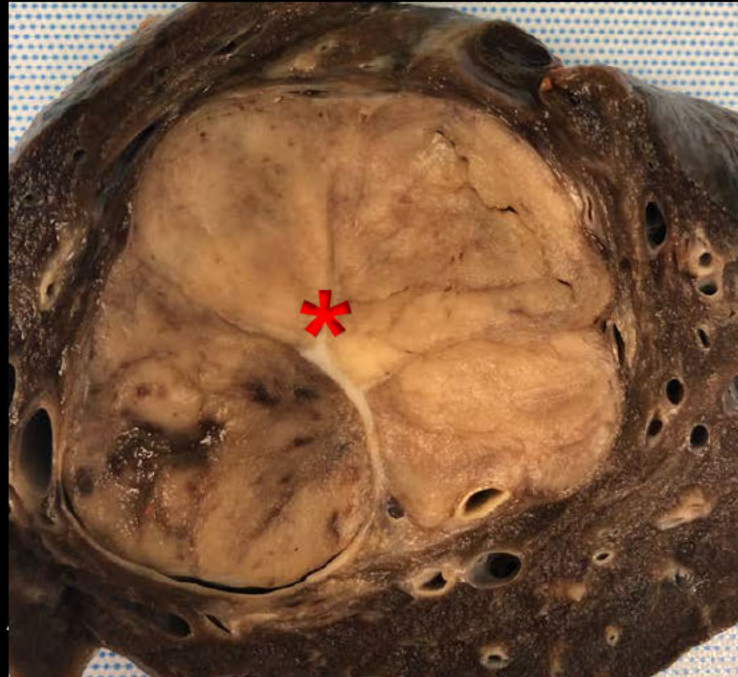


CTs (above): branching low density areas distal to mass, compatible with post-obstructive mucoid impaction





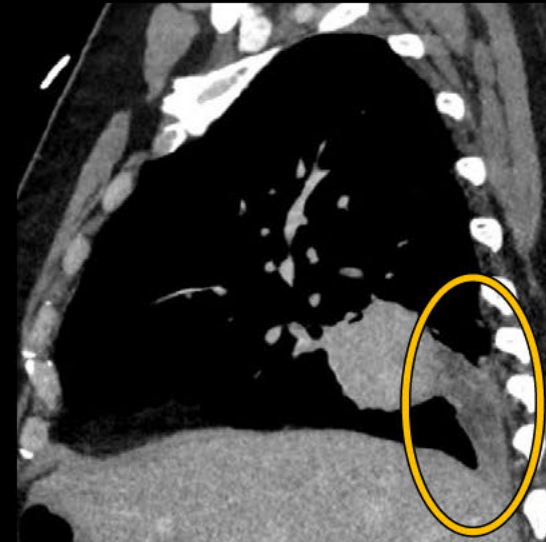
Endobronchial component of tumor ,with locally expanded airways

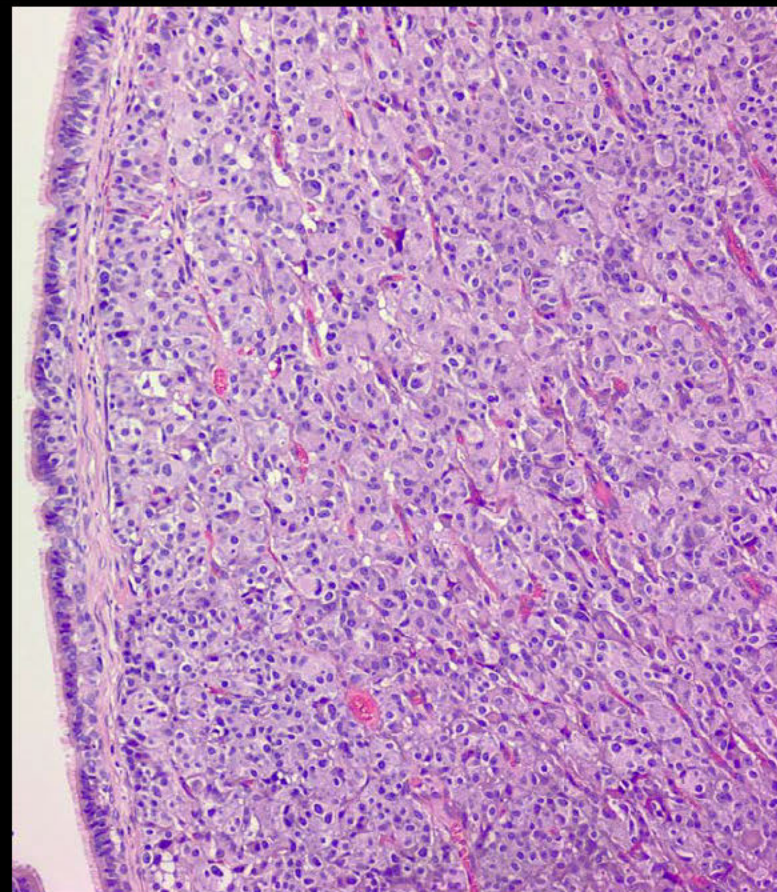
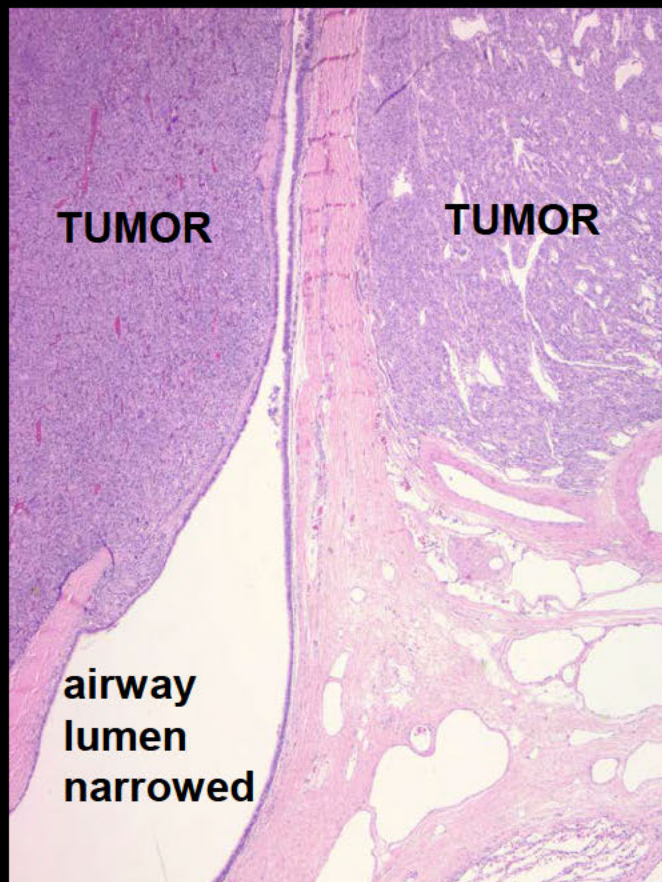


Macrolobulated soft tissue mass represents the larger intraparenchymal component

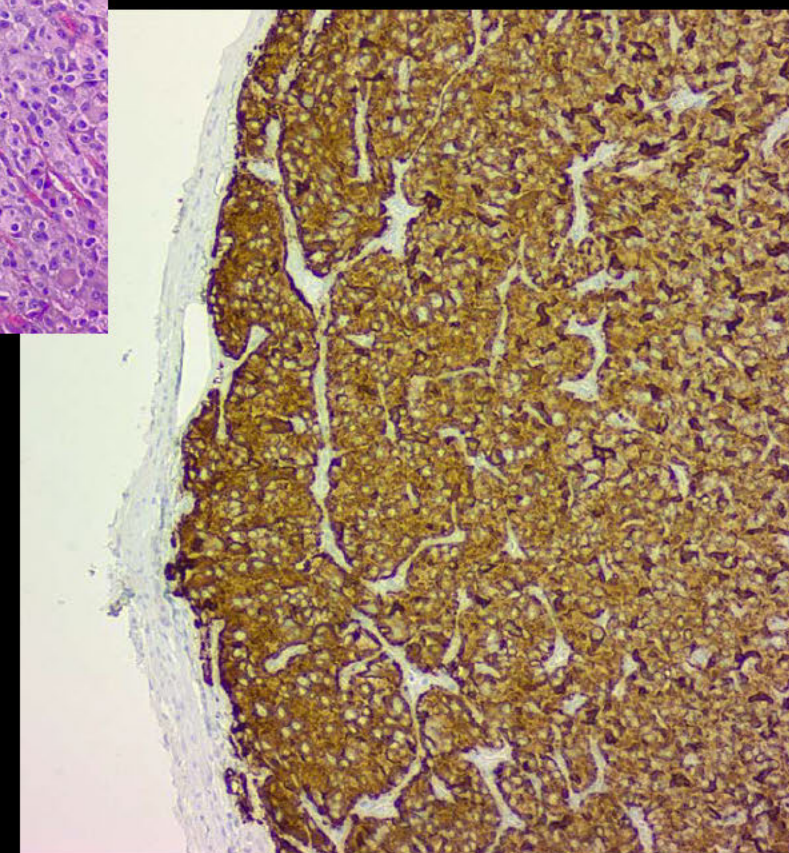


Mucoid material in dilated airways, distal to endobronchial portion of the mass





H&E stain: neuroendocrine pattern with monotonous uniform cells, stippled chromatin, no necrosis, few mitotic figures (<2 per HPF)

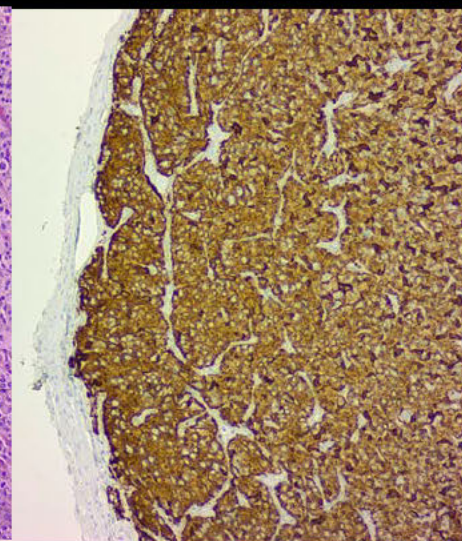
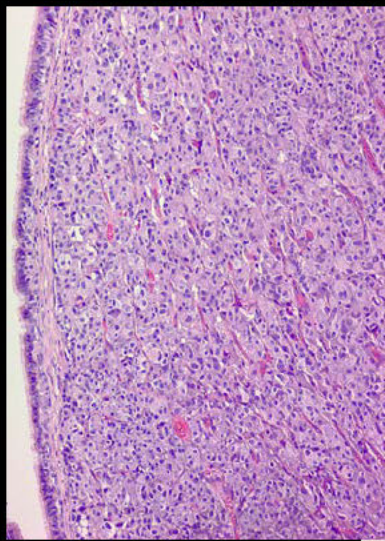


Synaptophysin special stain: positive tumor staining (brown) for neuroendocrine etiology

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Typical Carcinoid Tumor, Right Lower Lobe

Michael Legacy

Beaumont Hospital

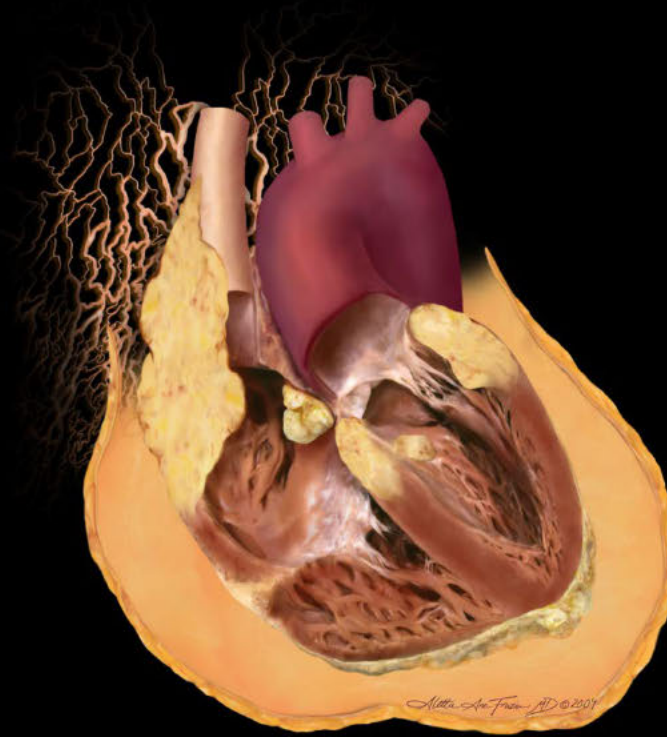
Farmington Hills, Michigan

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Cardiovascular Best Case



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

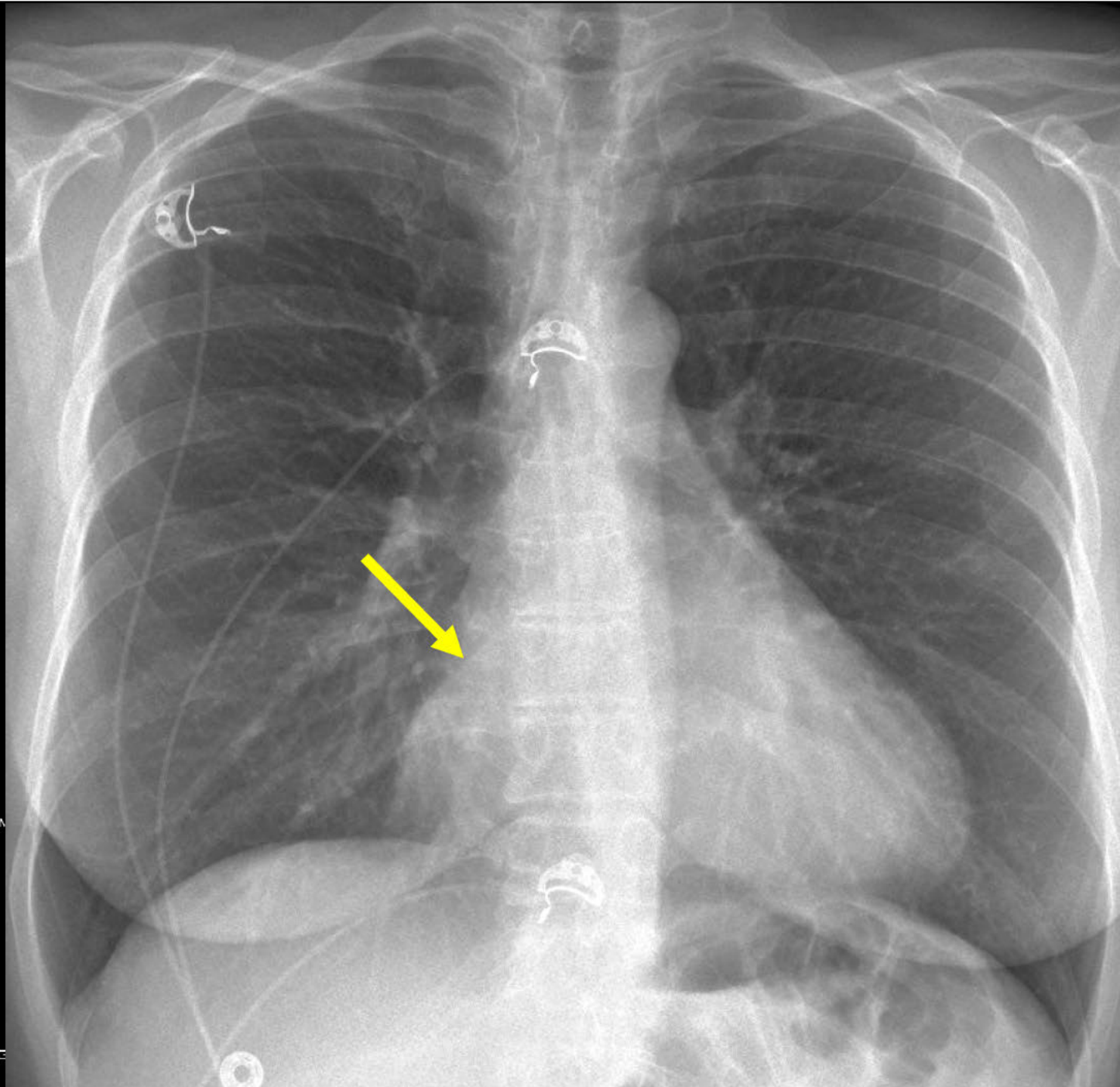
Clinical information

46-year-old woman with chest pain and hemorrhagic pericardial effusion.



AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

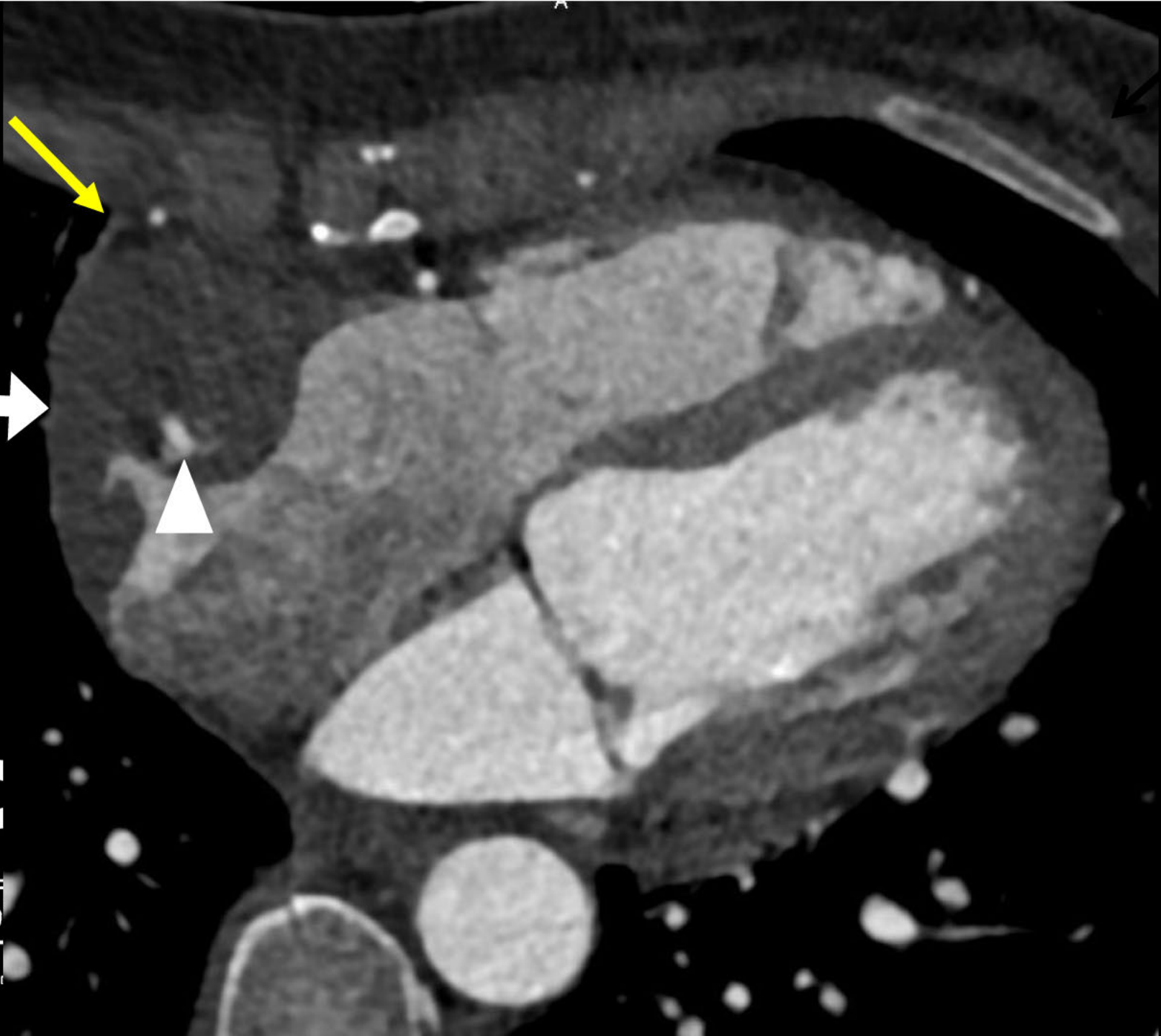
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

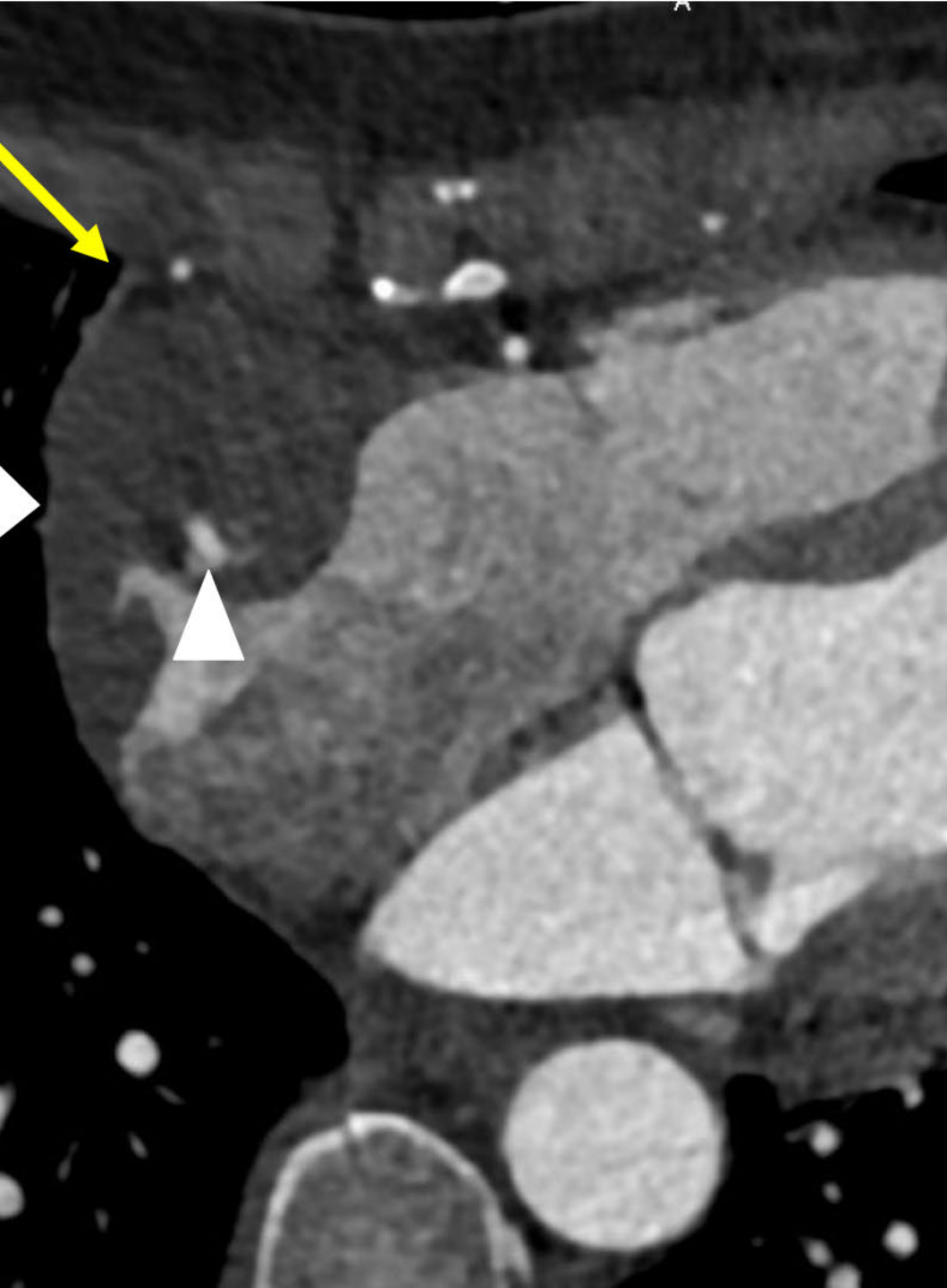
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGISTS

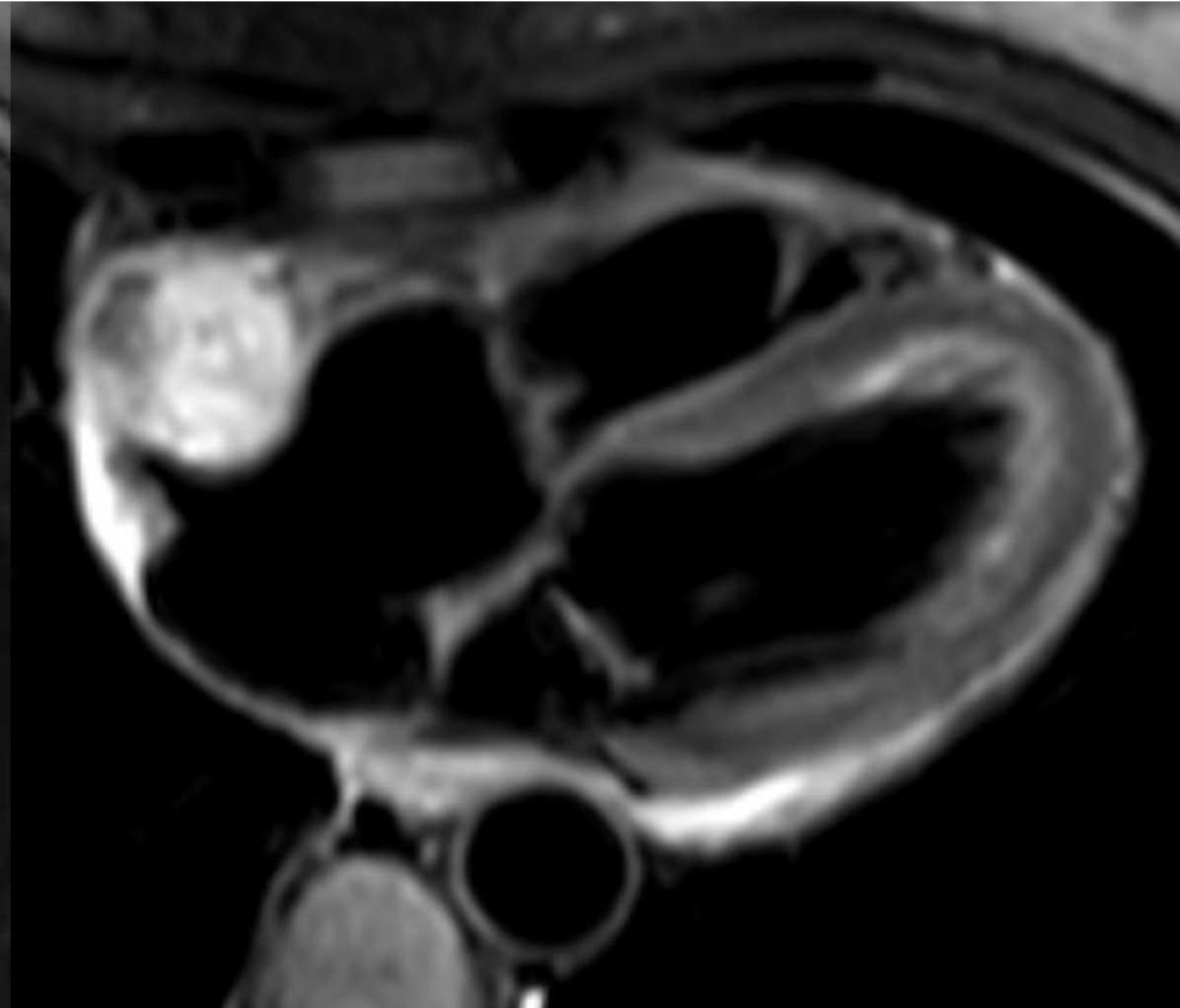
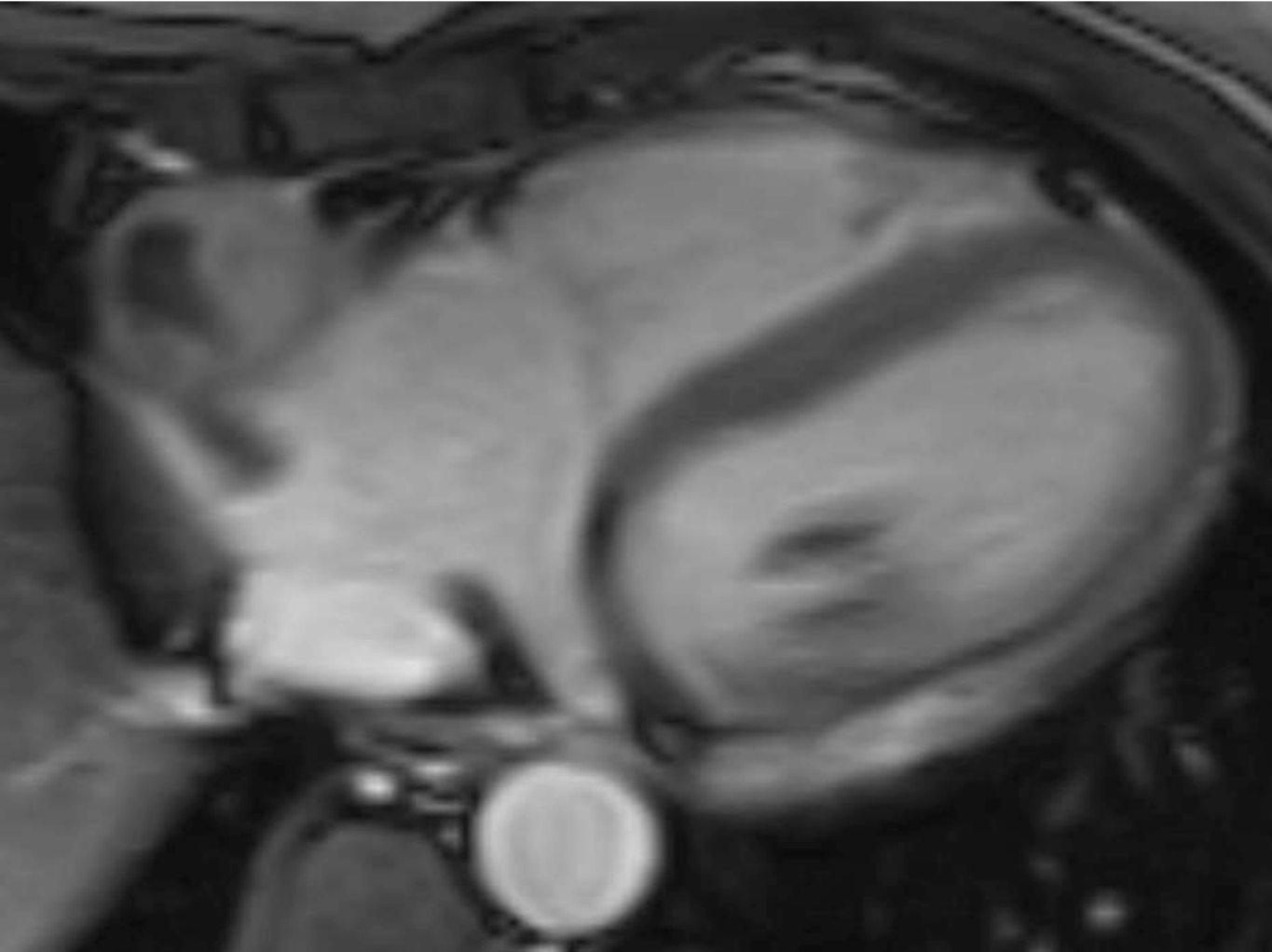


AIRF

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

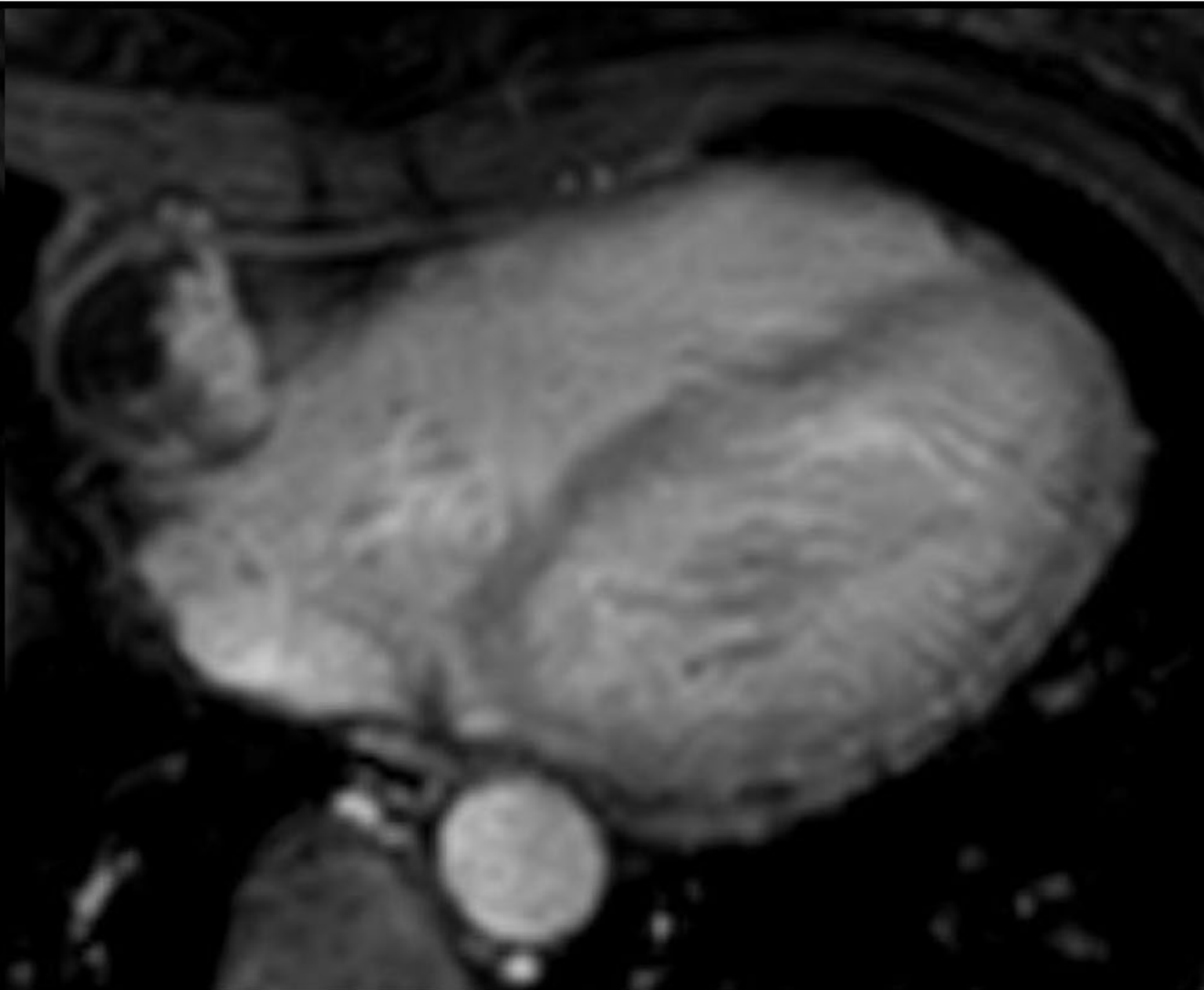
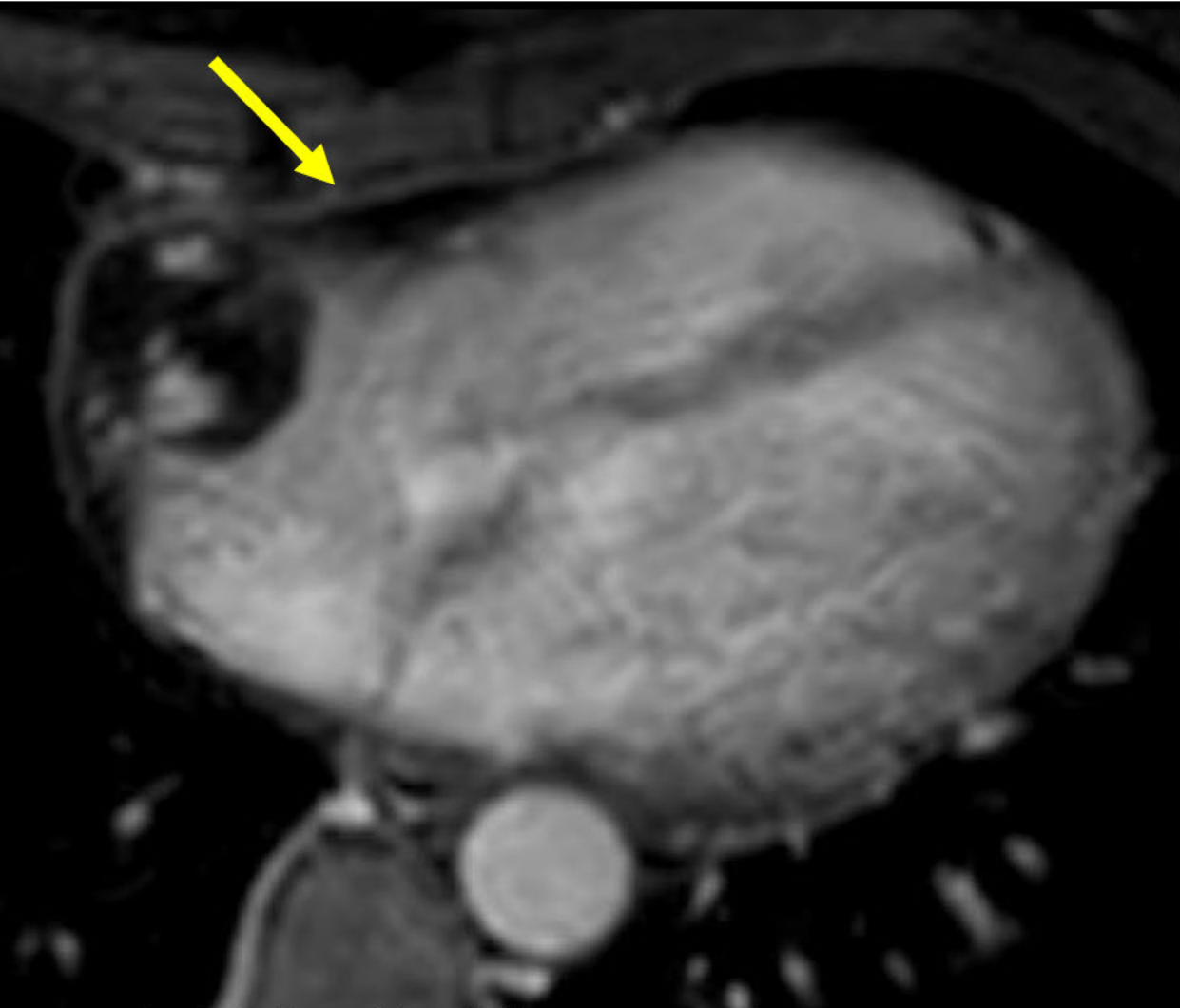




AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRP

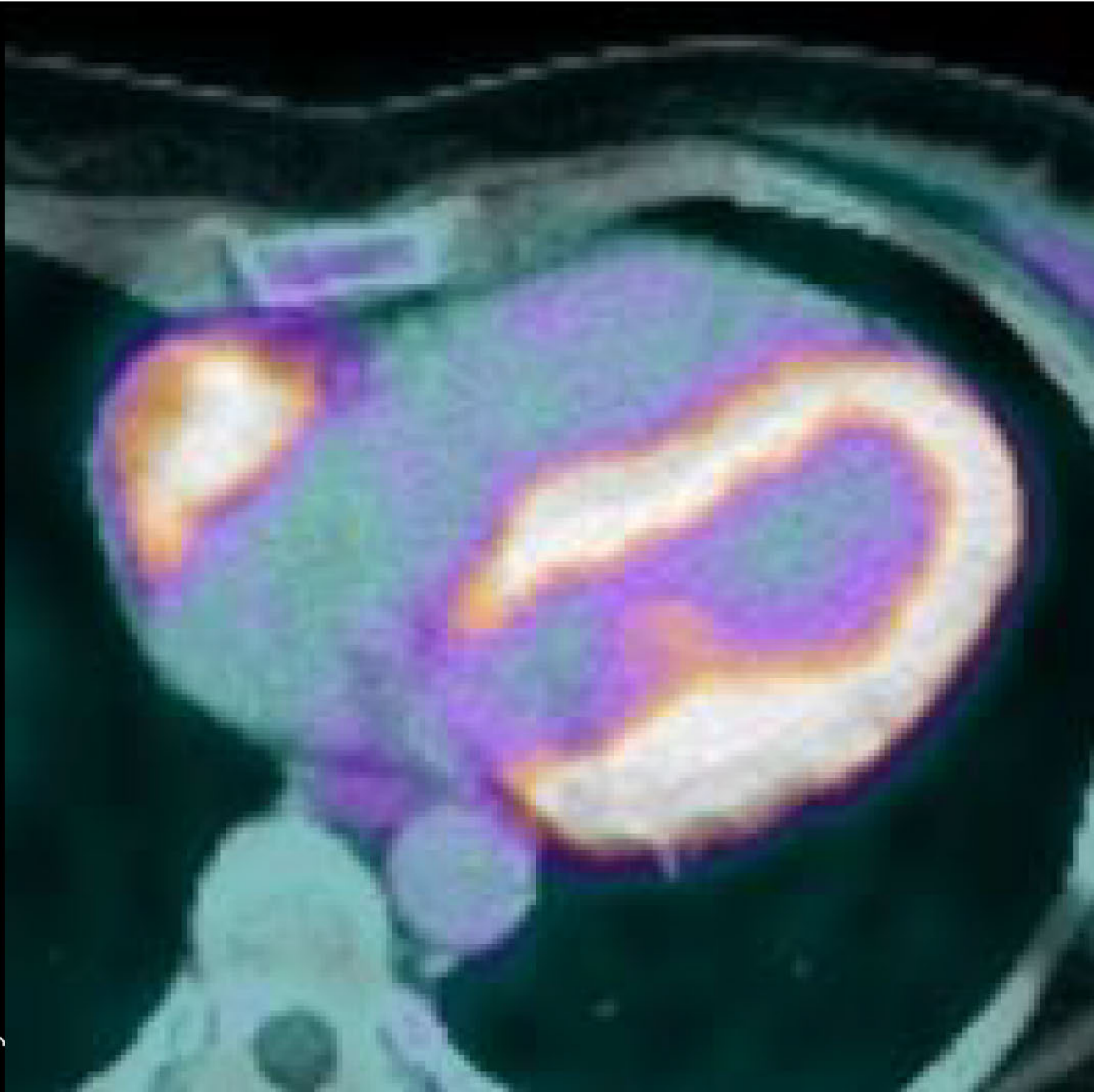
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

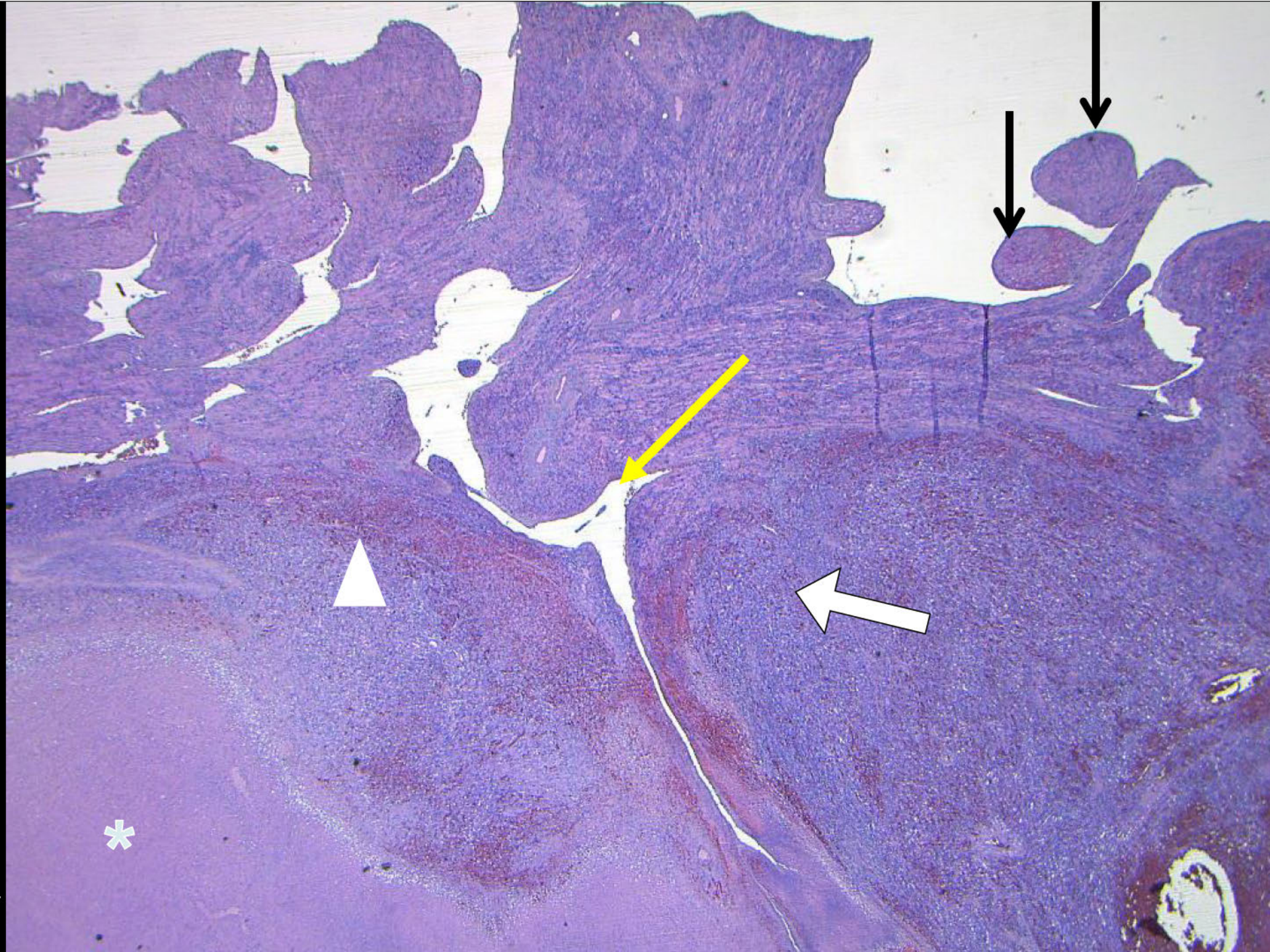
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

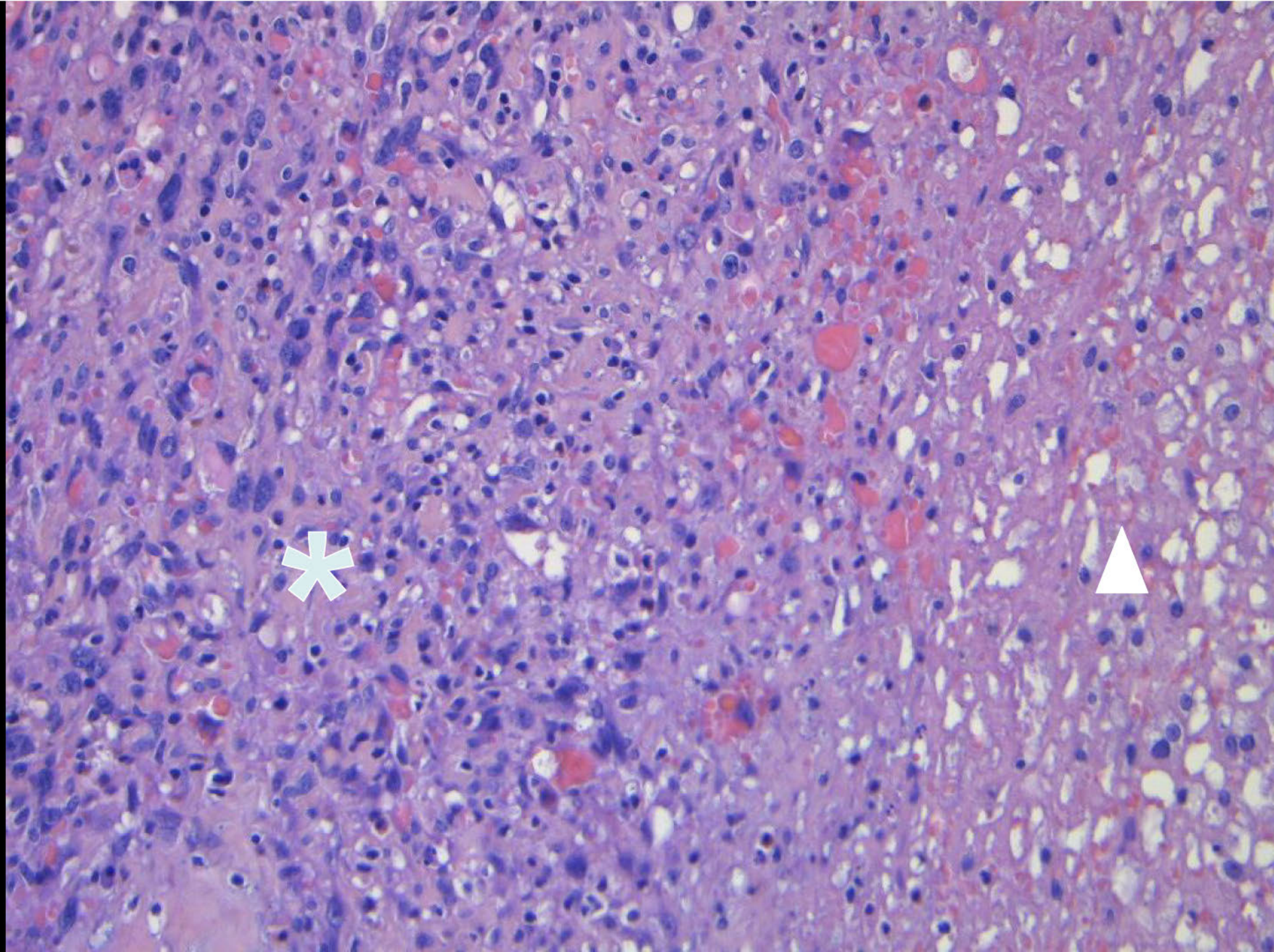
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

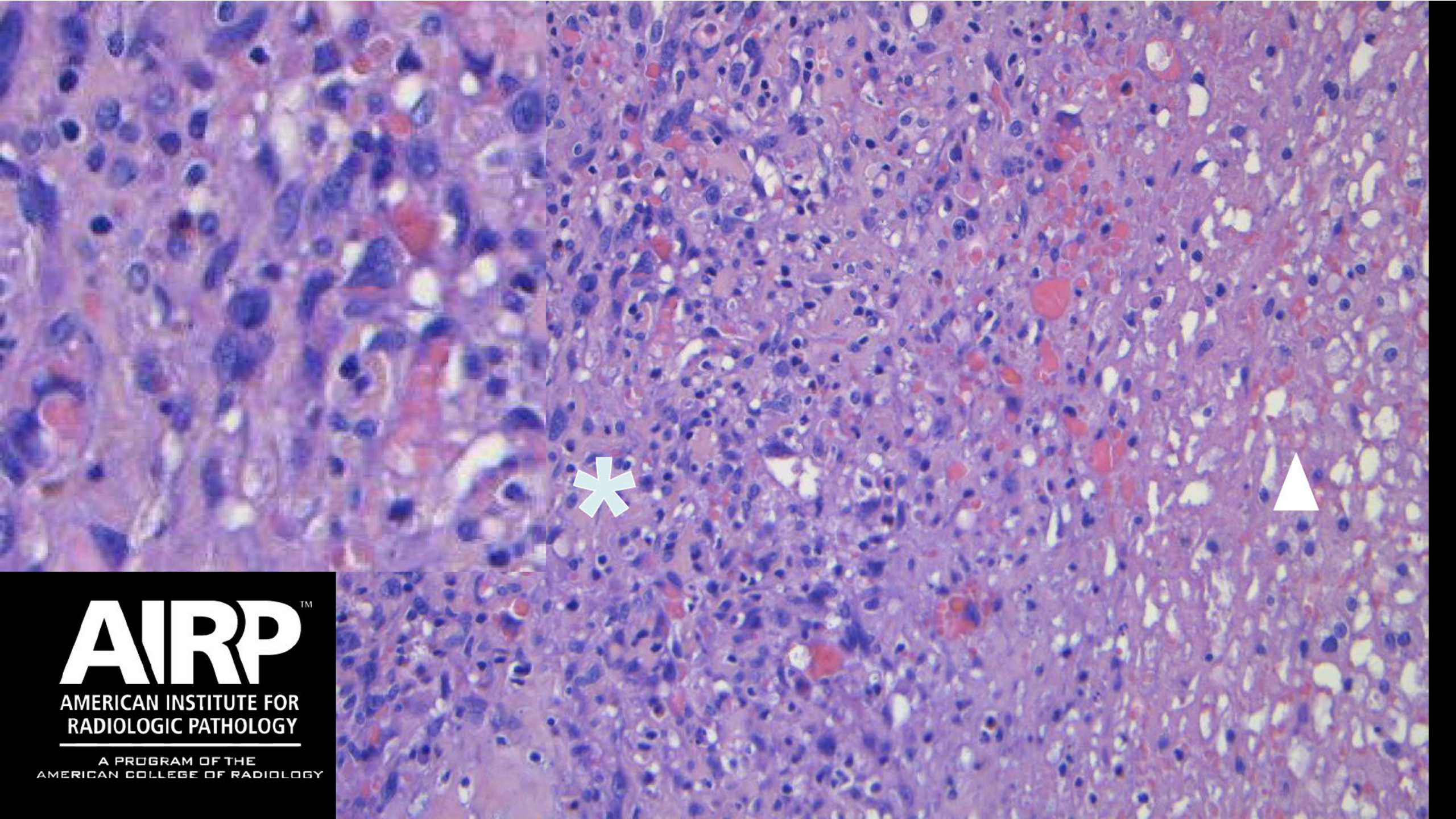


AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY





AIRPTM

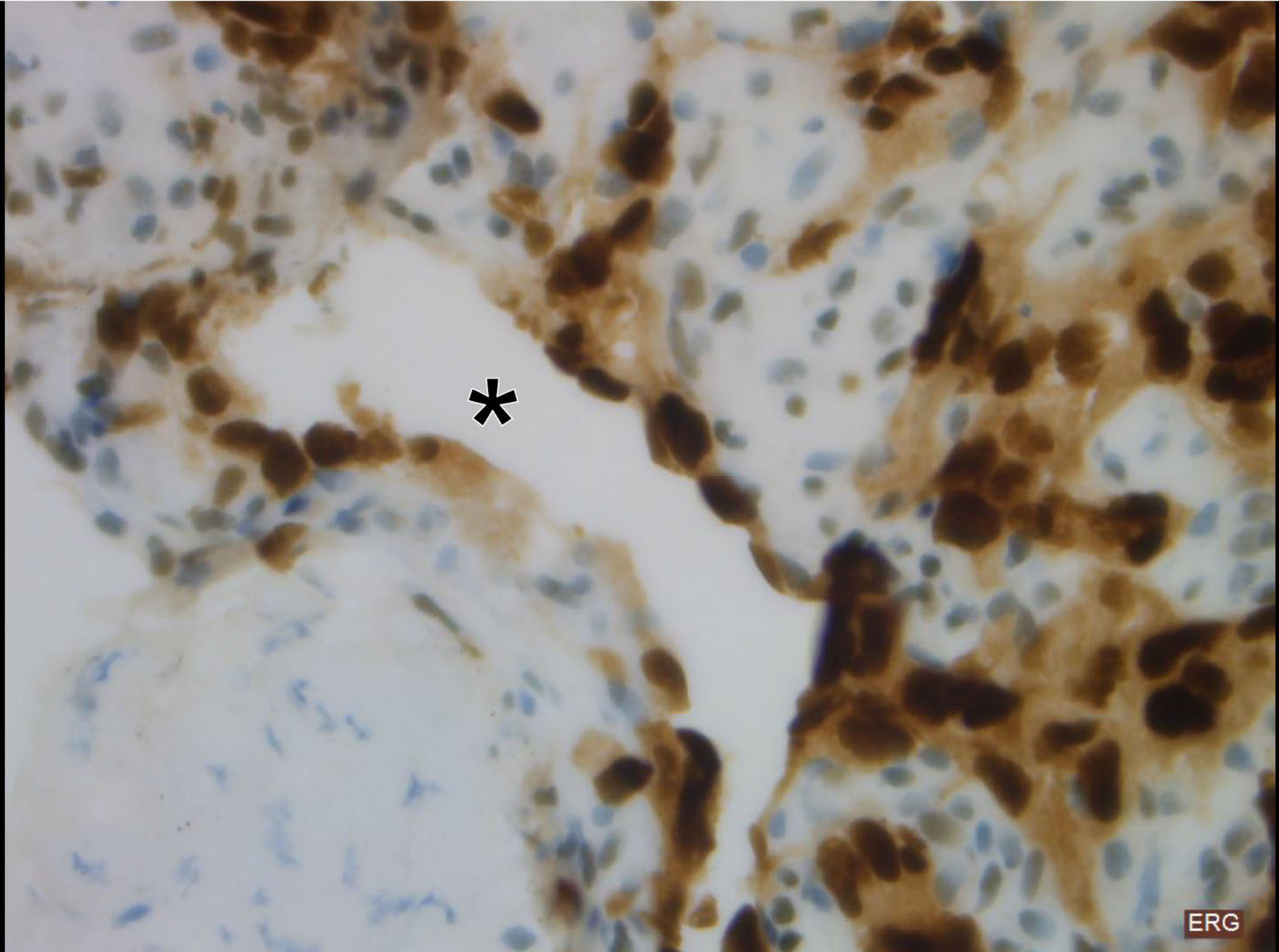
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

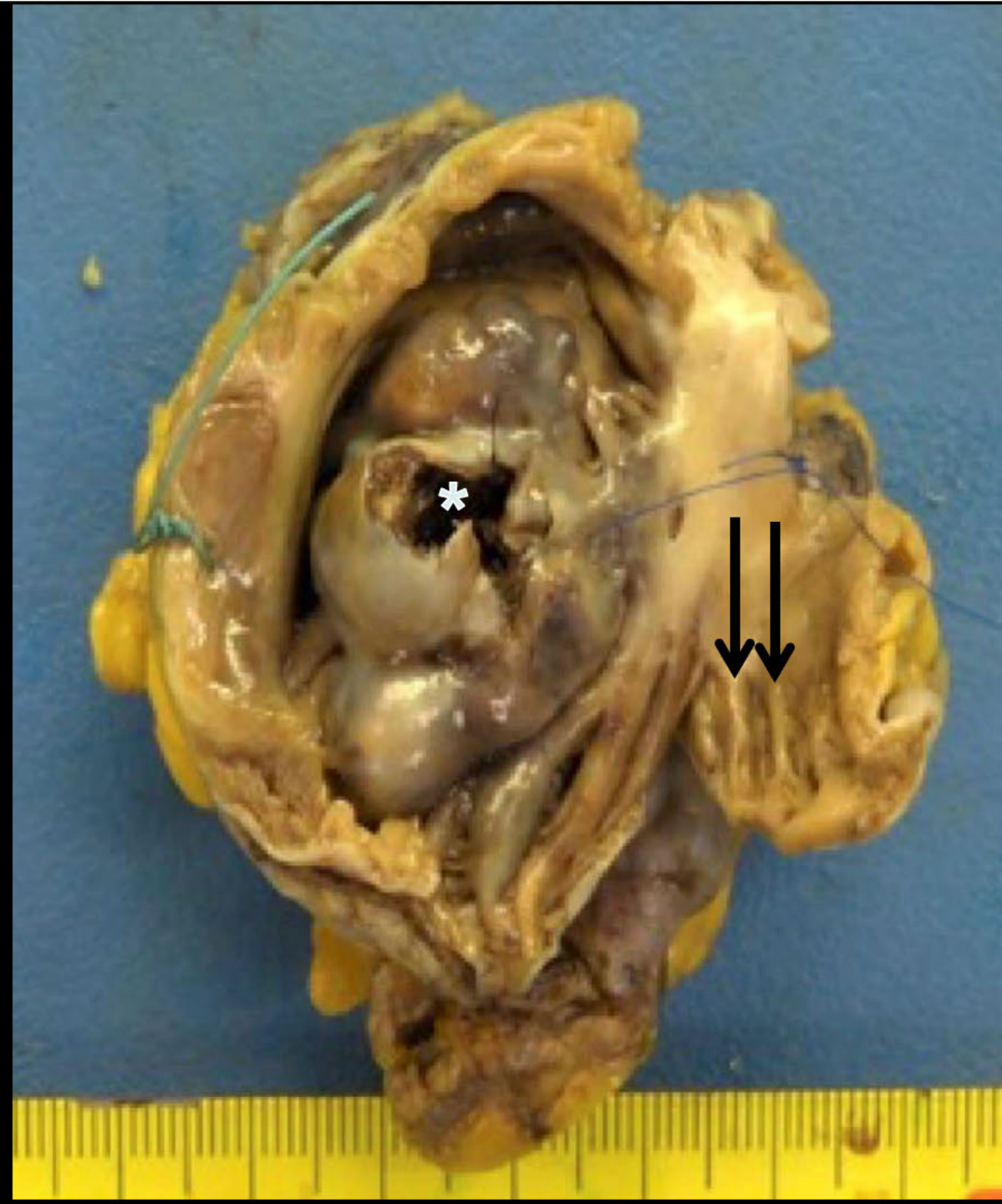


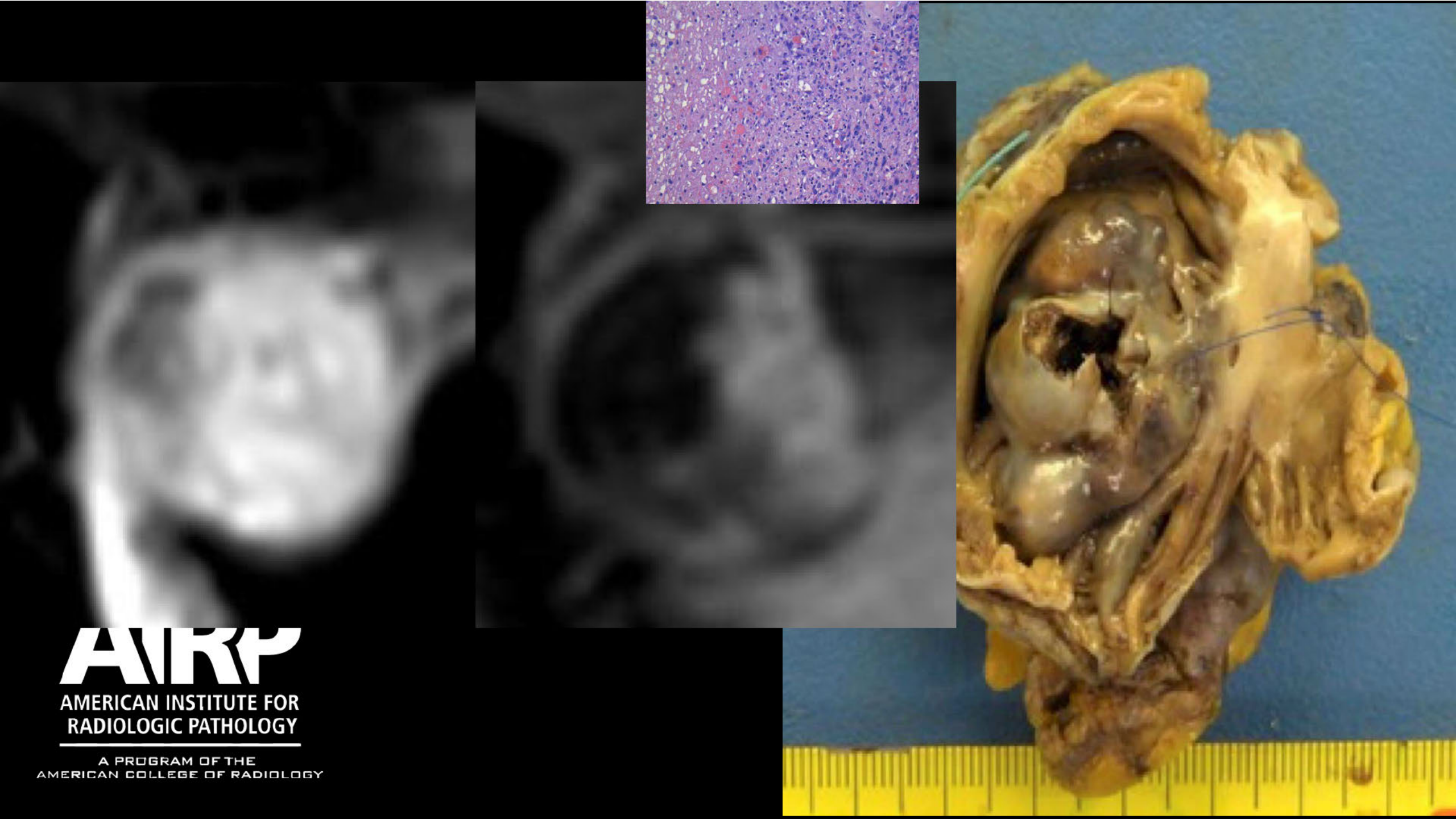
ERG

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY





AIRP

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Cardiac Angiosarcoma

Guillaume Hamon

Pontchaillou University Hospital Center

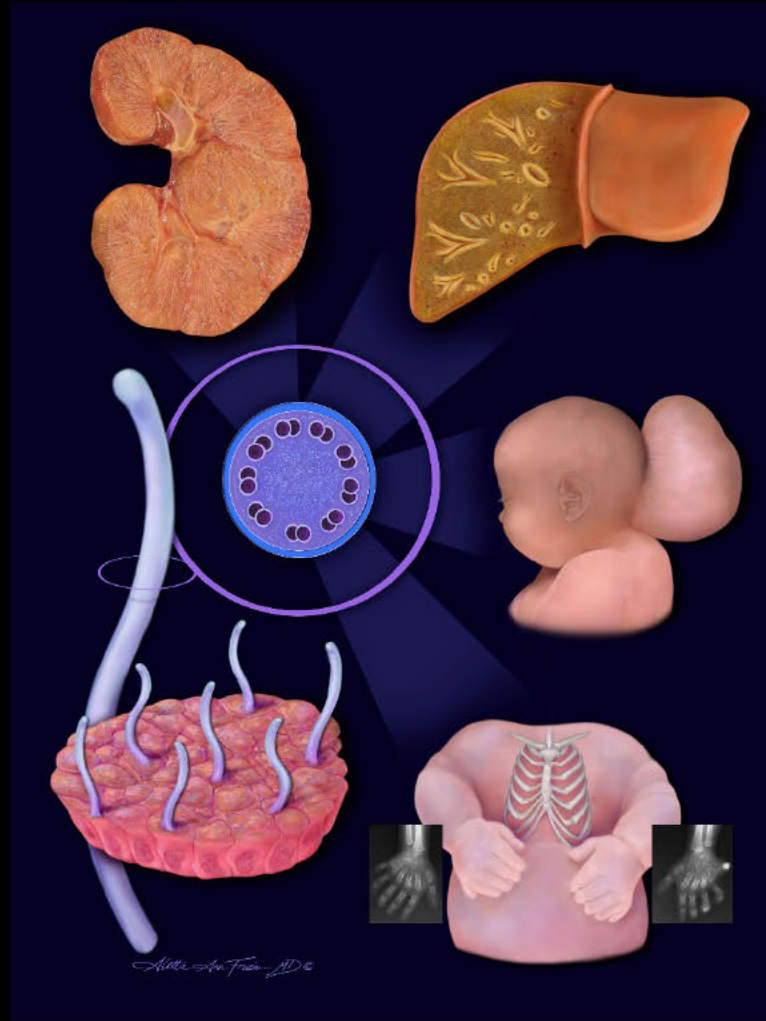
Rennes, France

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Pediatric Best Case



AIRP™

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Clinical information

14 month-old-girl with who presented with delayed growth and repeated respiratory infections in the first year of life.

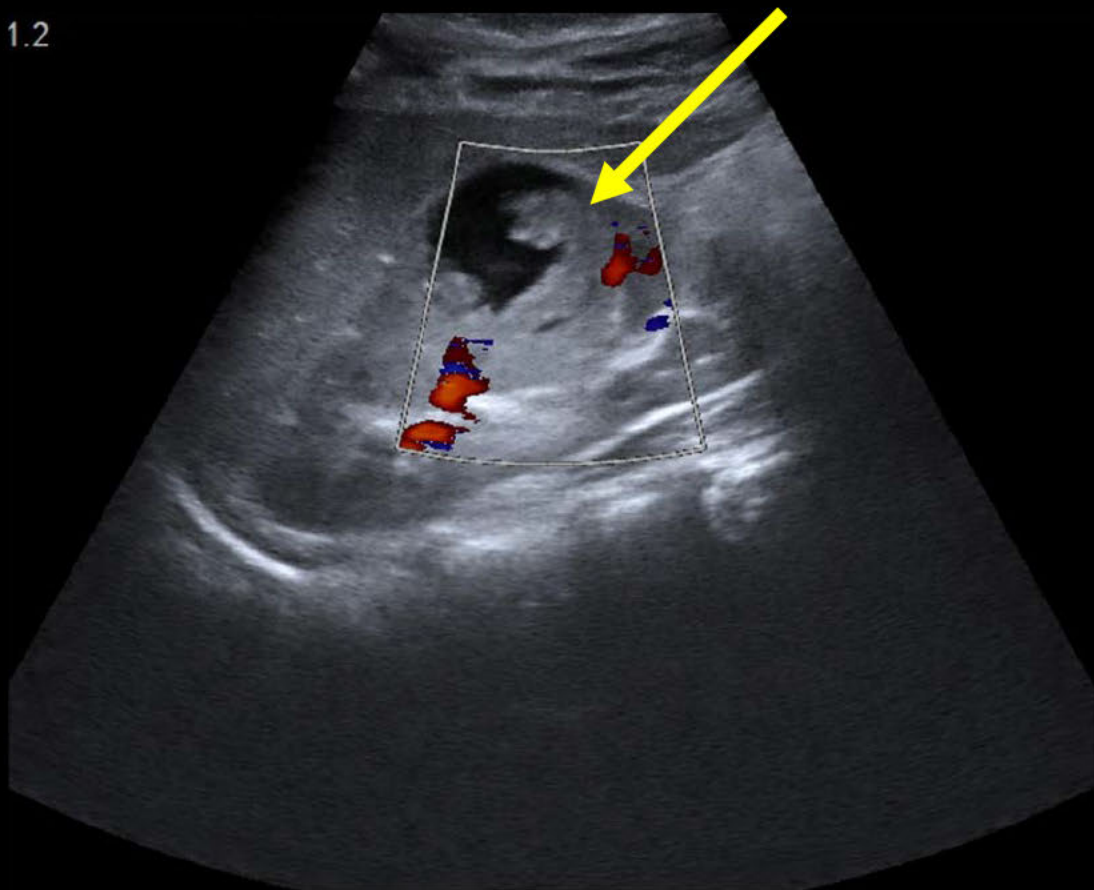
Abdominal ultrasound was performed.

AIRPTM

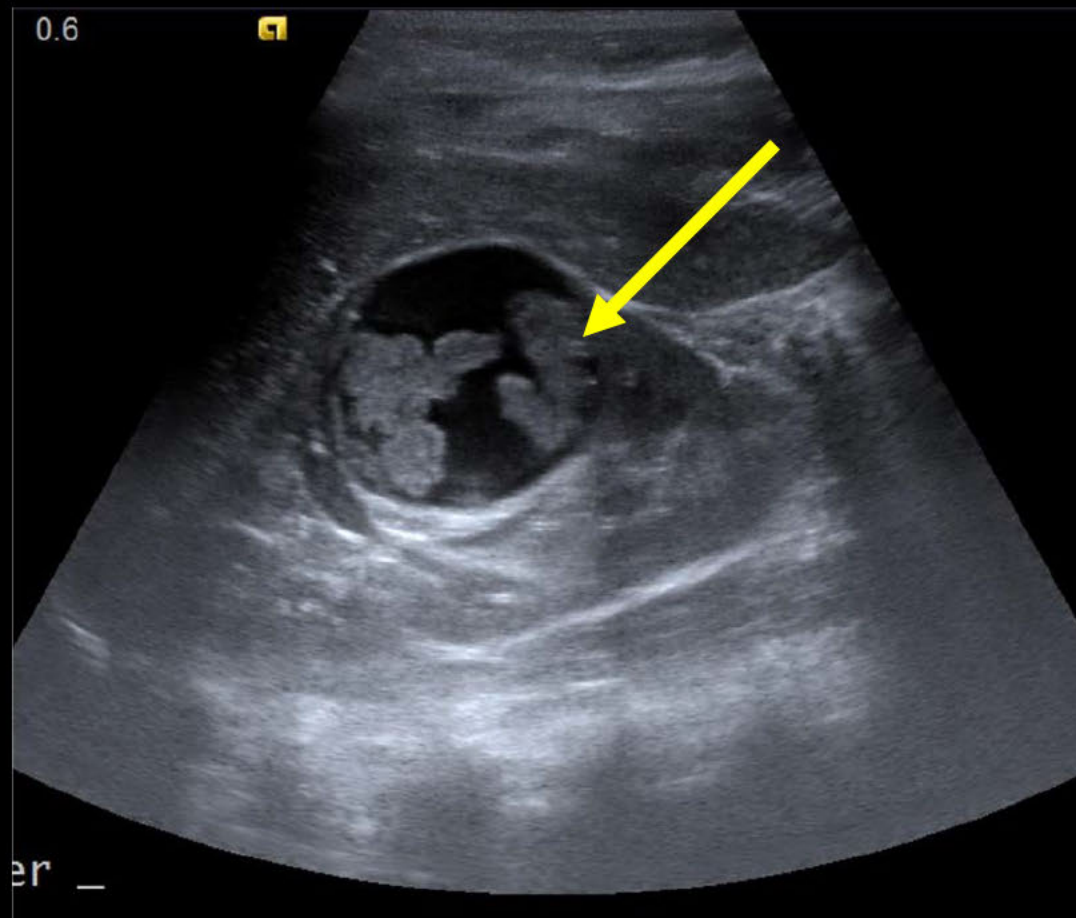
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

1.2



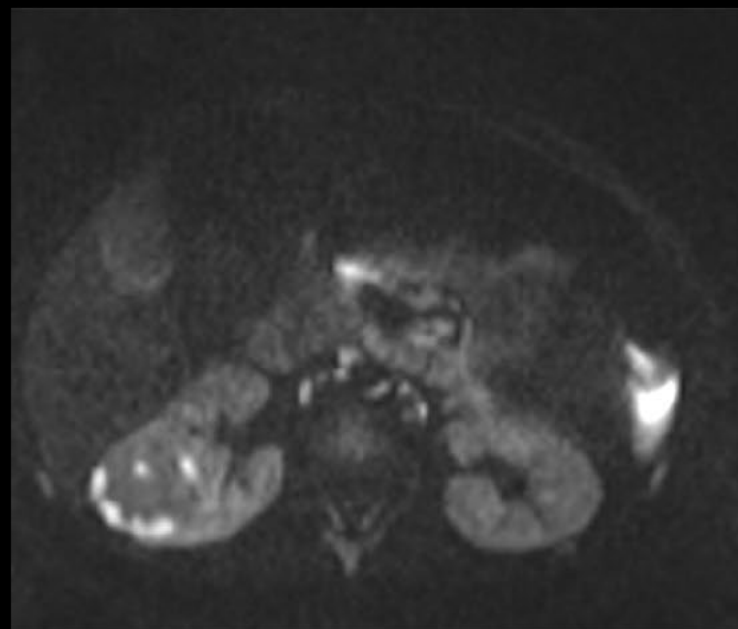
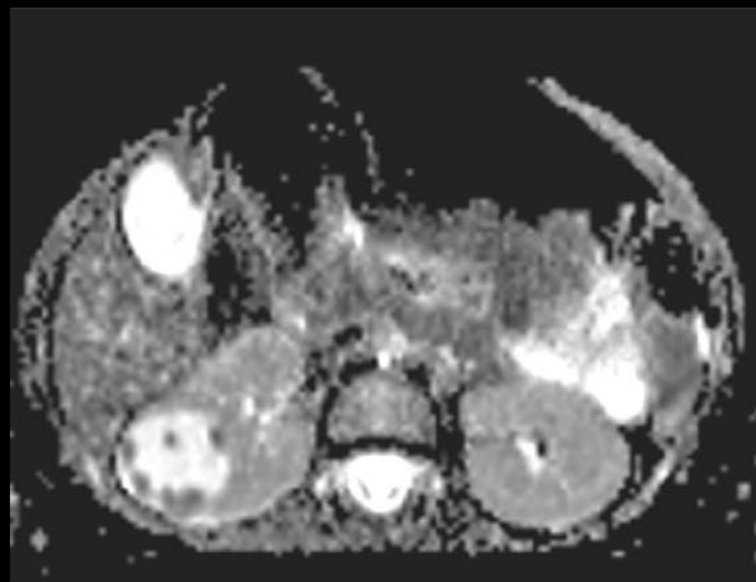
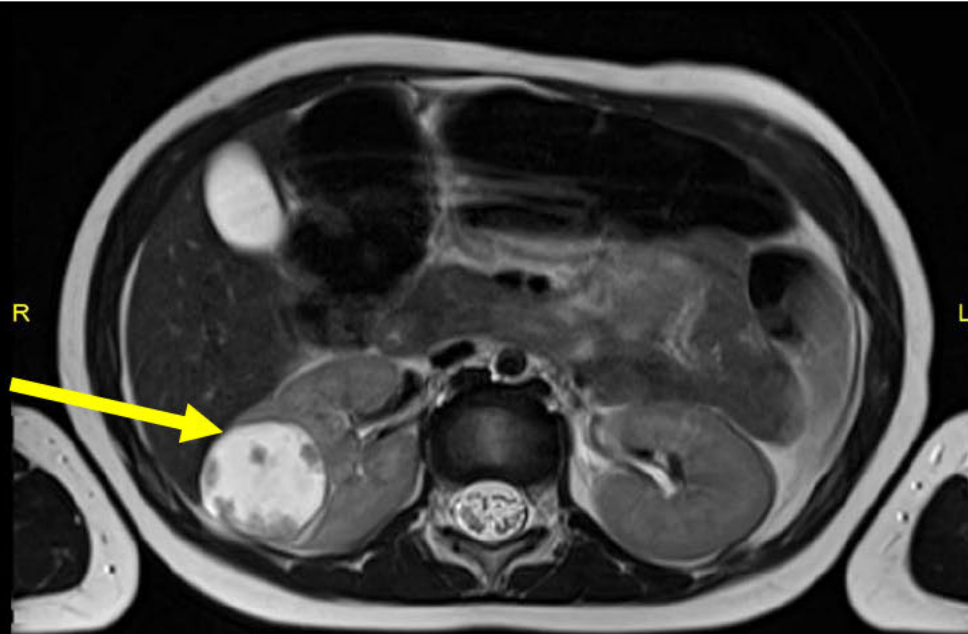
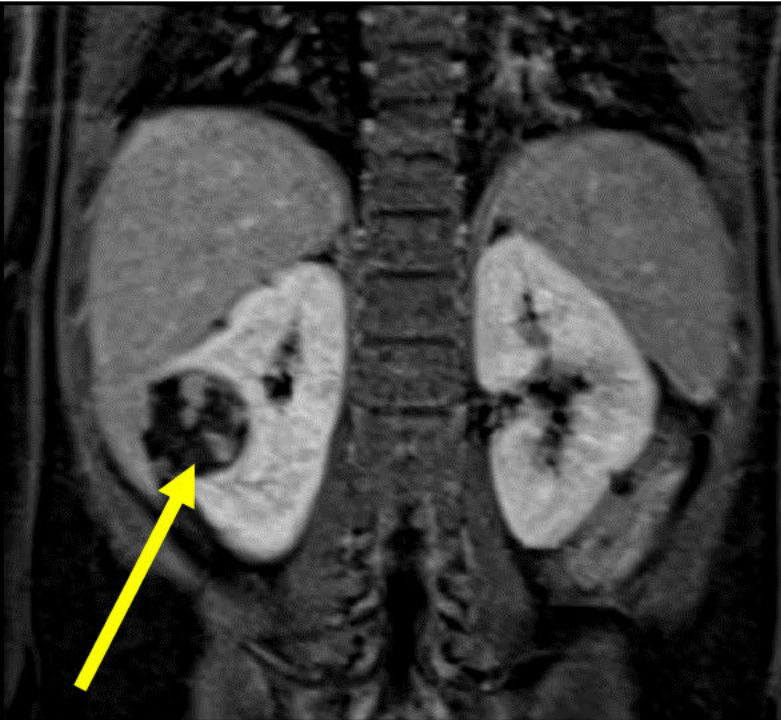
0.6



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

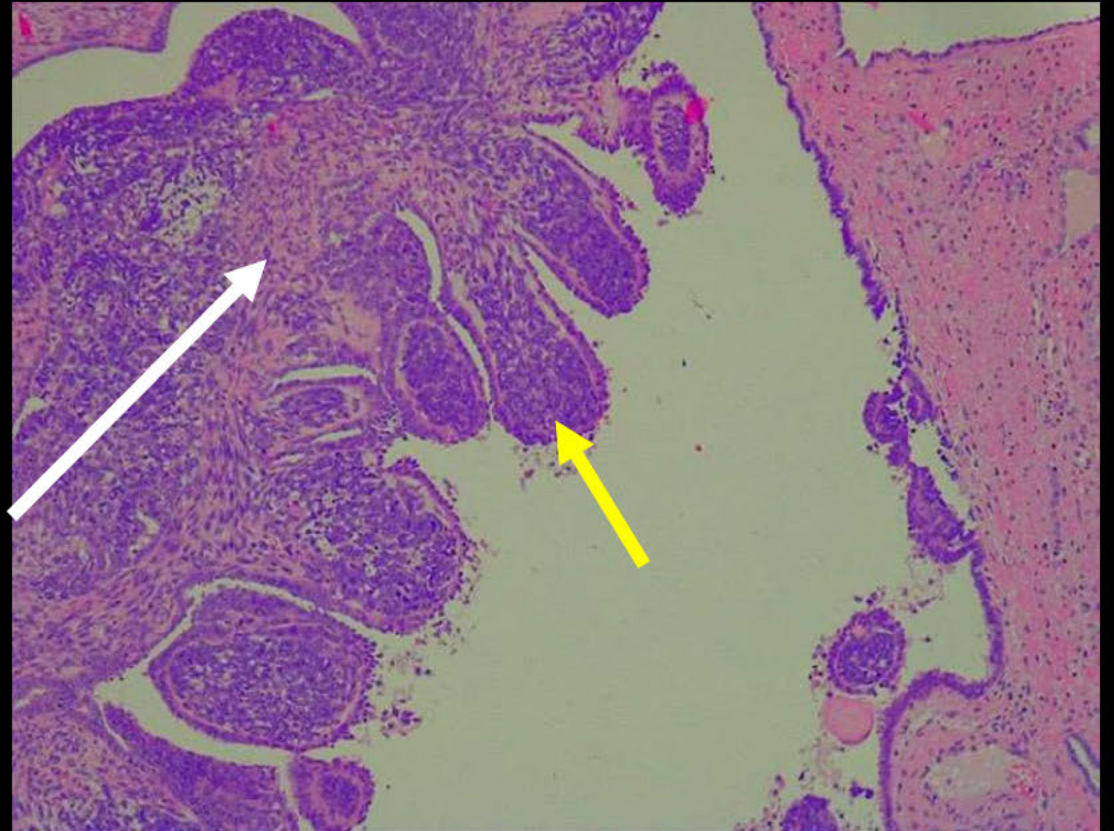
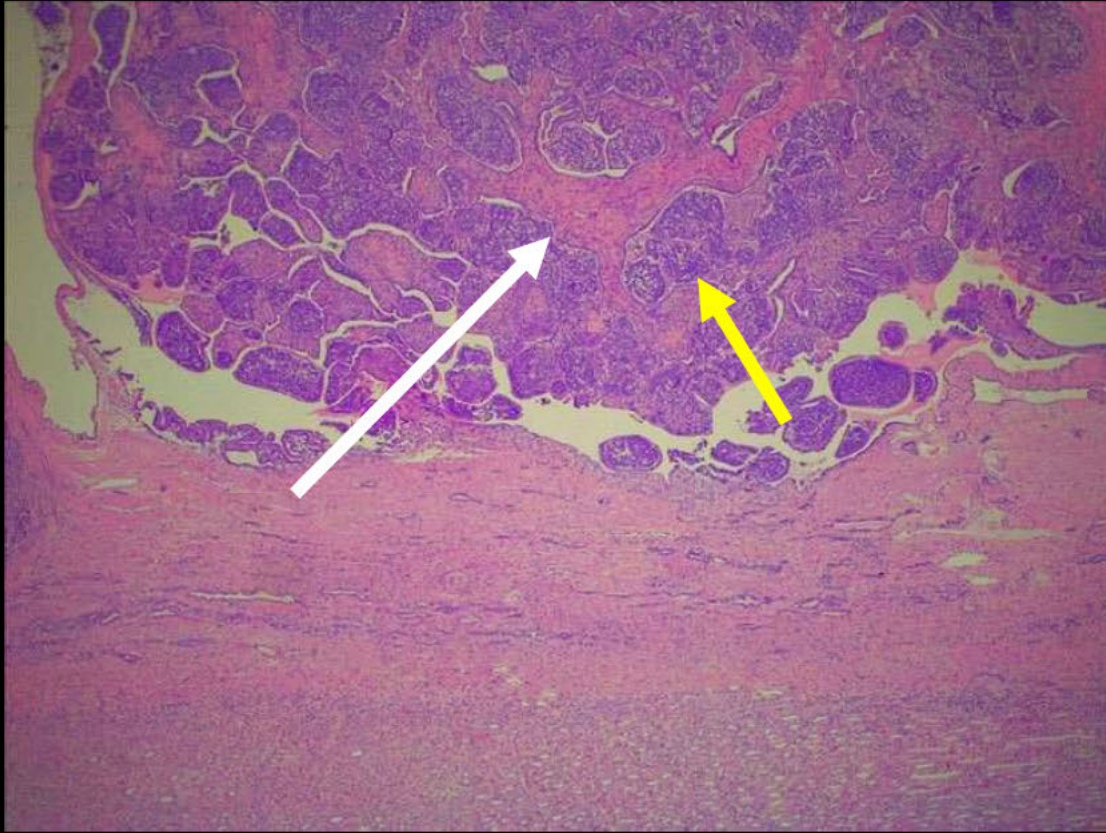




AIRPTM
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY





AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Nephroblastoma/Wilm's Tumor

Diana Veiga Canuto, MD

Hospital Universitari i Politècnic La Fe

València, Spain

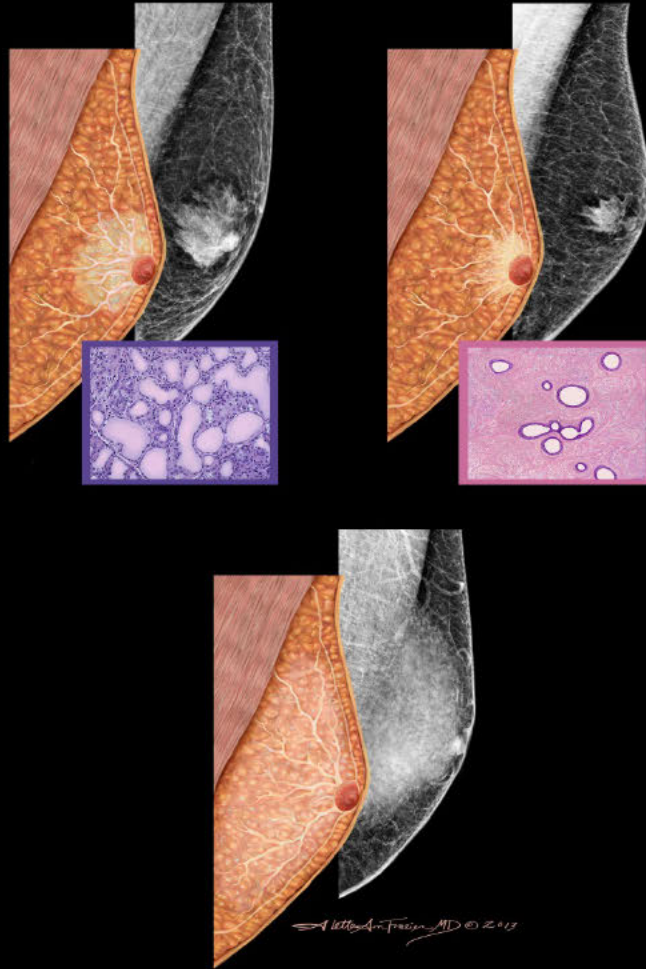
<http://www.hospital-lafe.com/>

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Breast Best Case



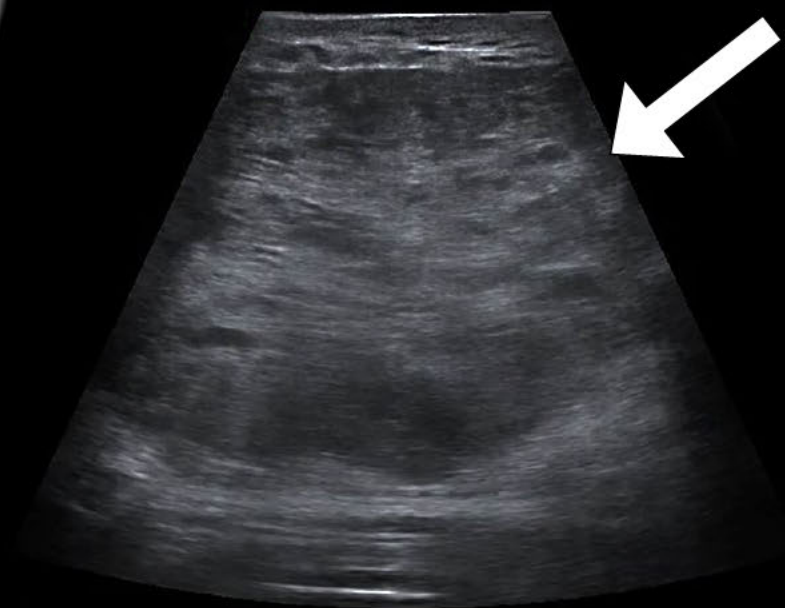
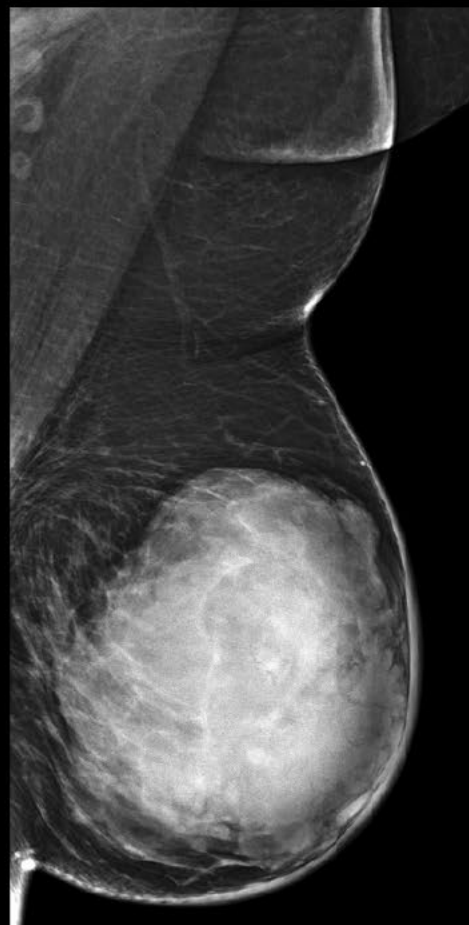
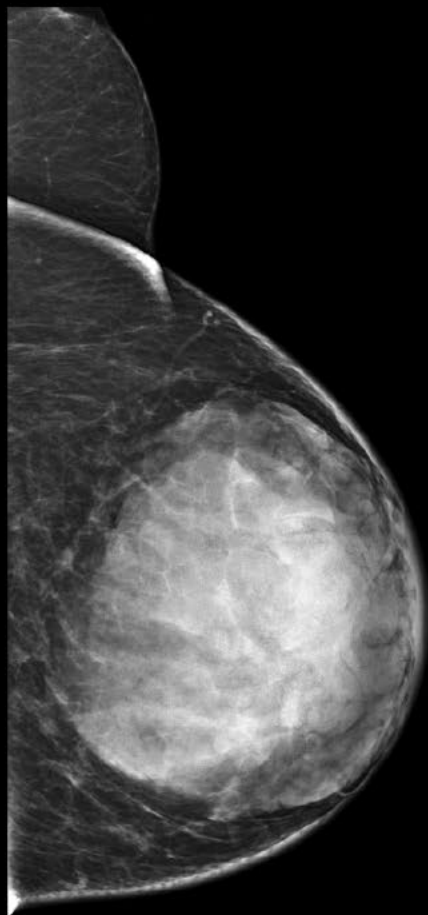
AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Clinical information

22-year-old woman with enlarging mass in the left breast, over 1 year. No family history of breast cancer. No past medical problems.

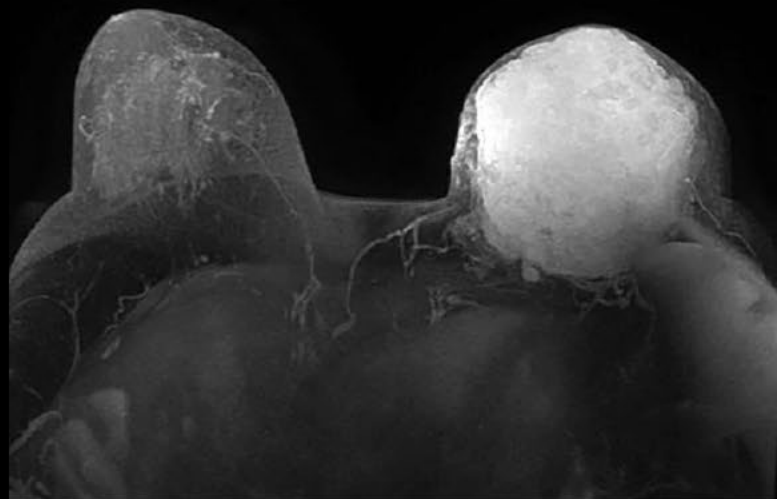
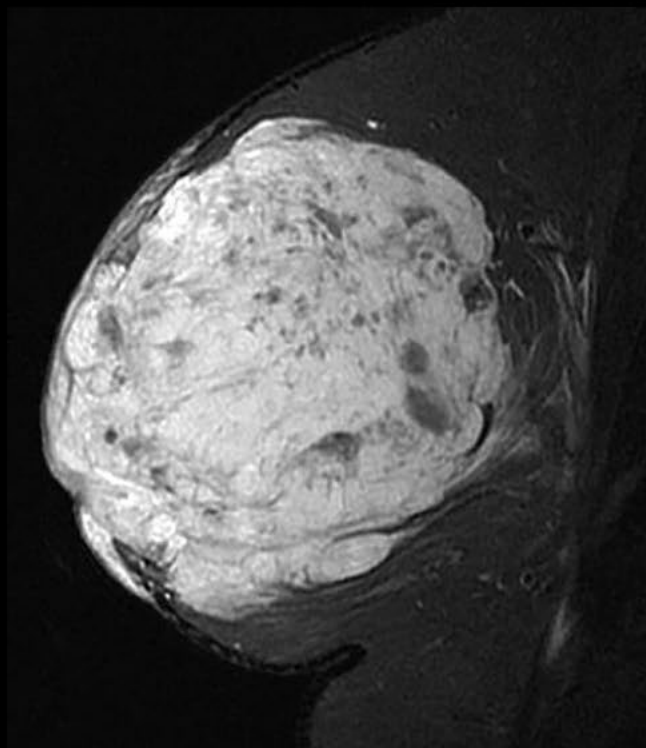


AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

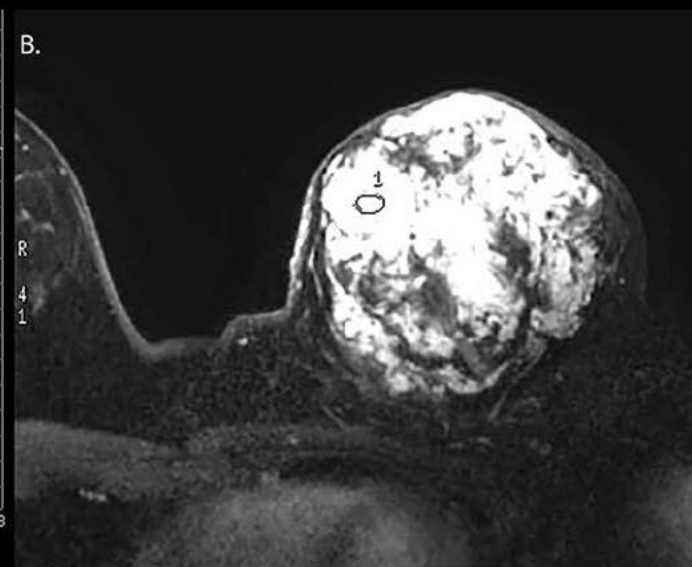
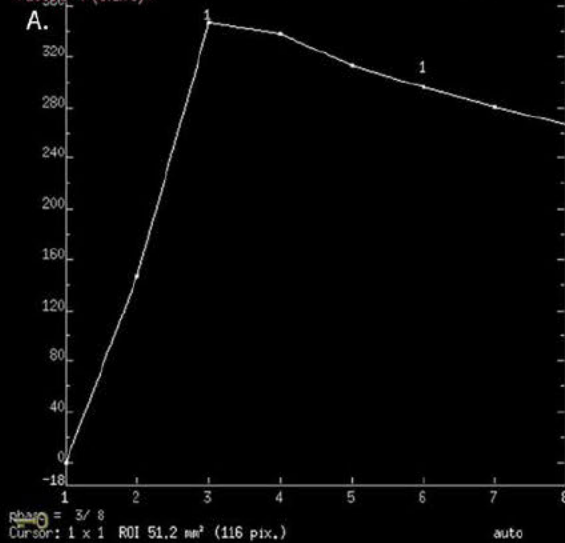


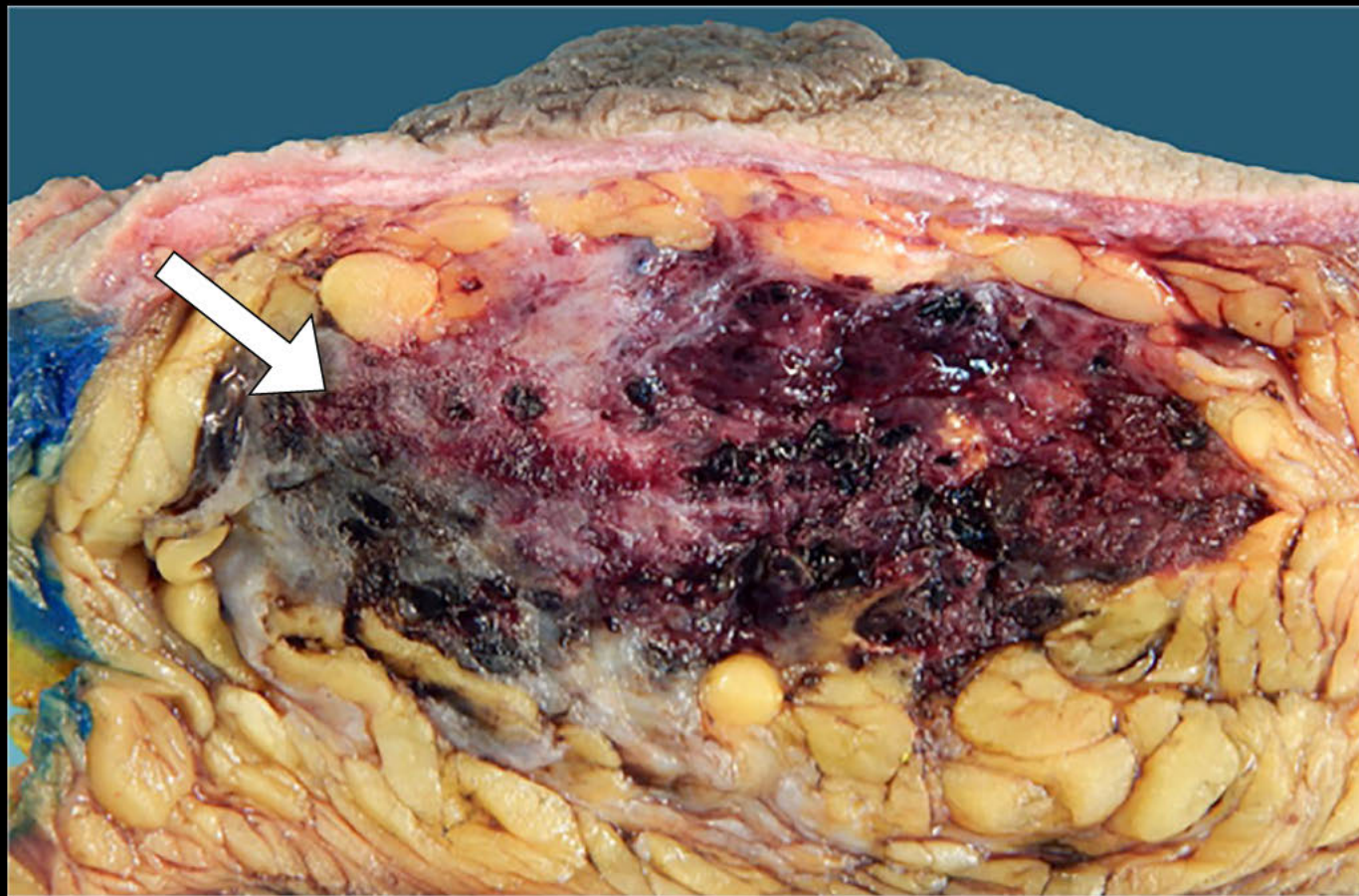


AIRPTM
 AMERICAN INSTITUTE FOR
 RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
 AMERICAN COLLEGE OF RADIOLOGY

< 200312-7 (Clave) >

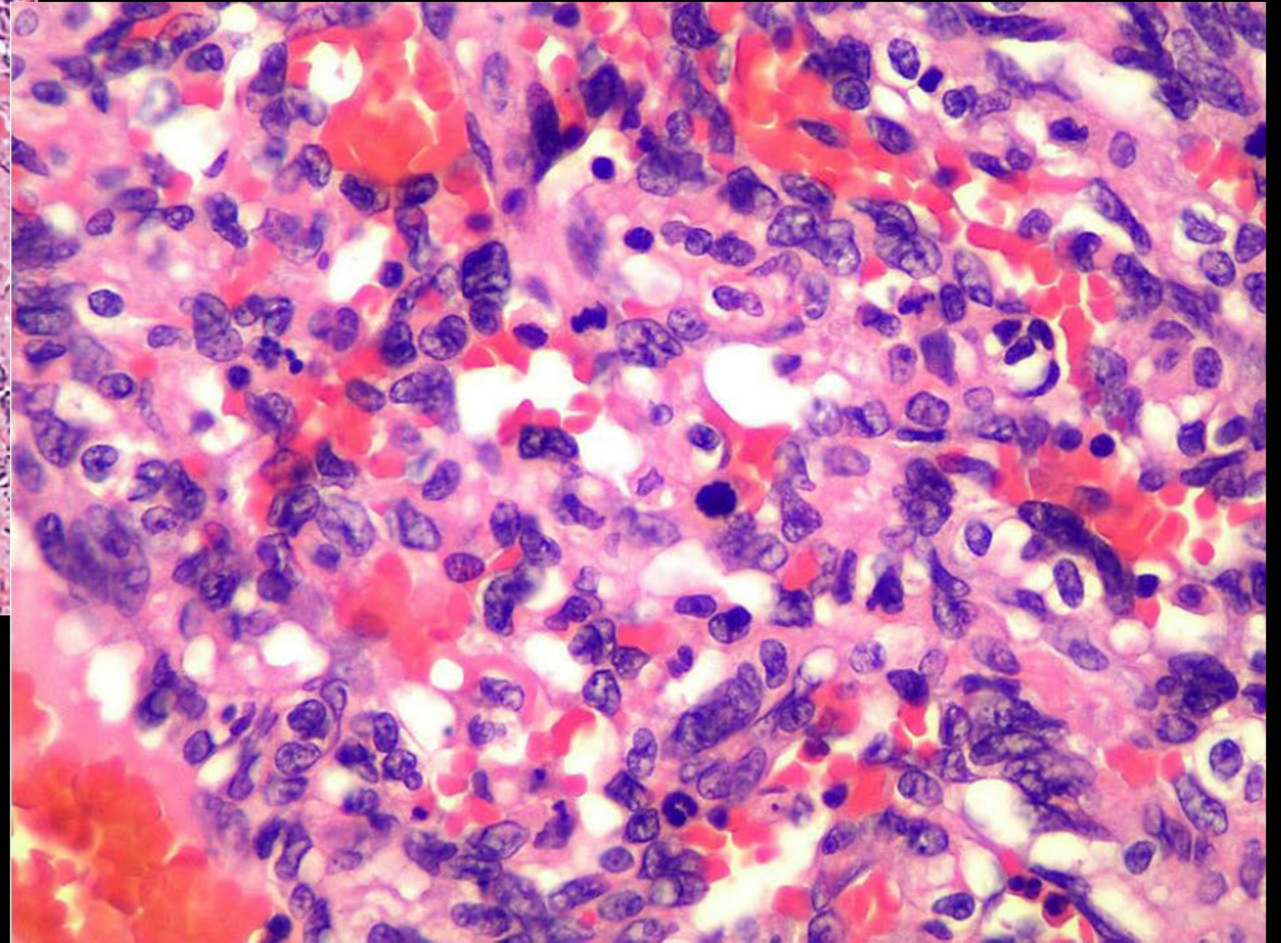
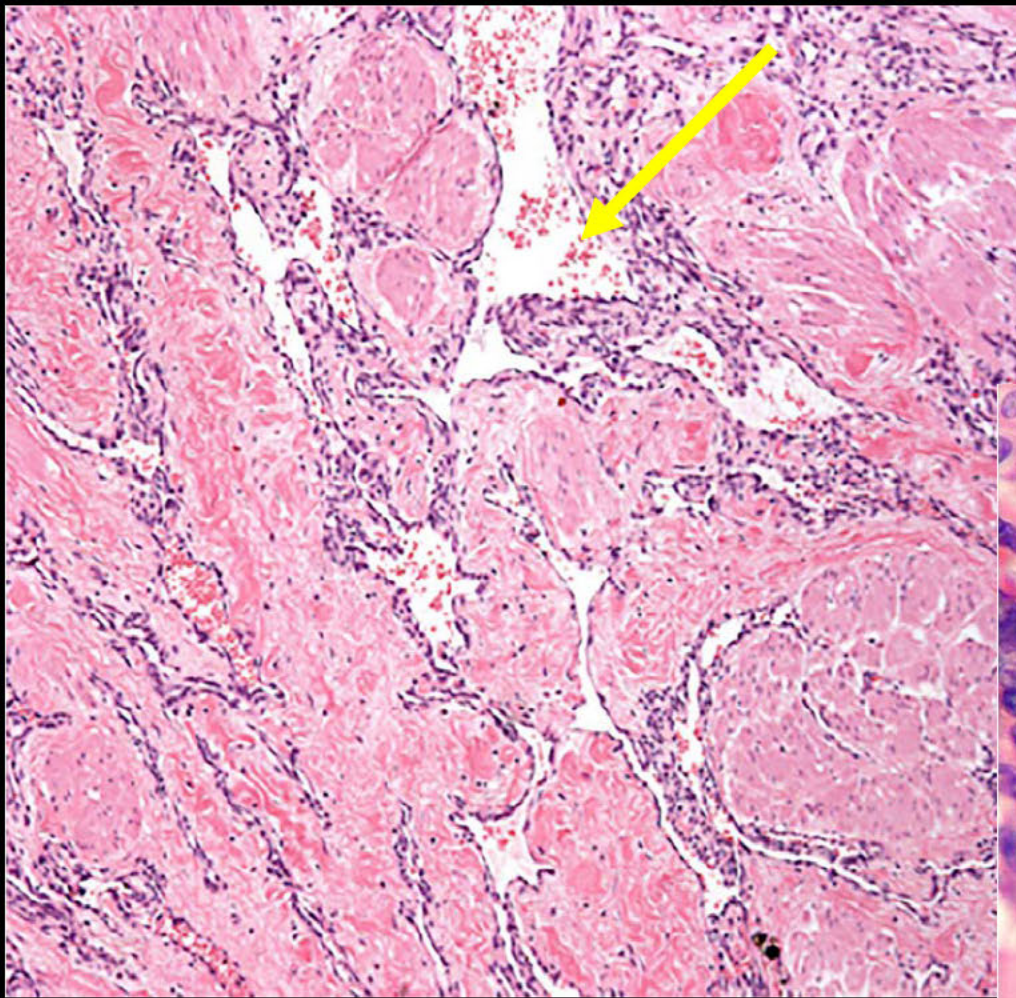




AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

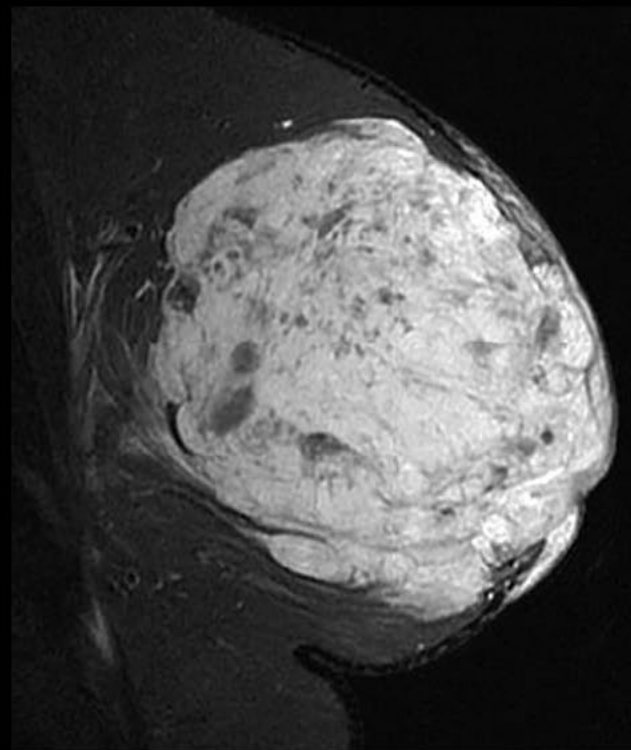
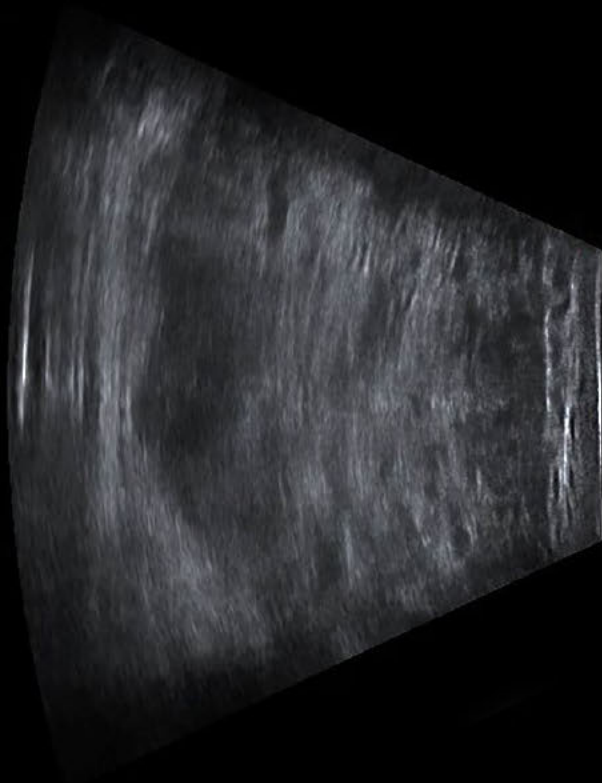
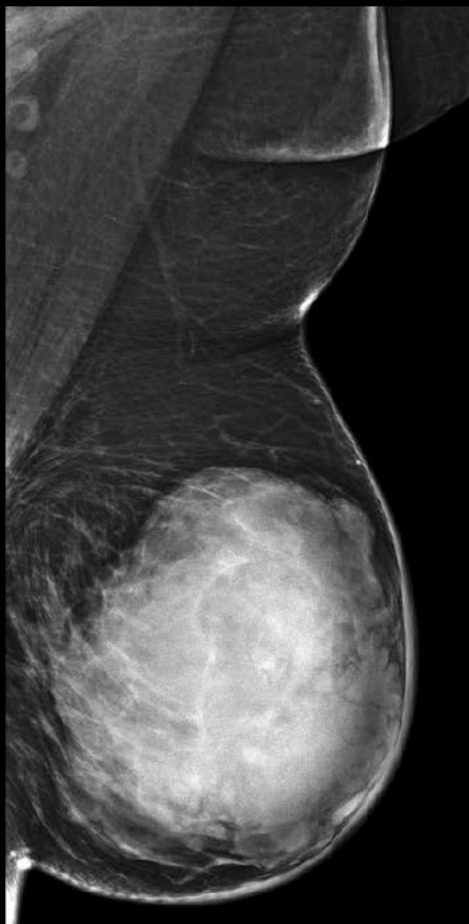
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



Primary Angiosarcoma of the Breast

Denny Lara Nuñez

Instituto Nacional de Ciencias Médicas y Nutrición

Salvador Zubirán

Mexico City, Mexico

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Genitourinary Best Case



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Clinical information

66-year-old male with no significant past medical history presented with increasing abdominal girth despite reported weight loss.



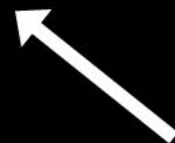
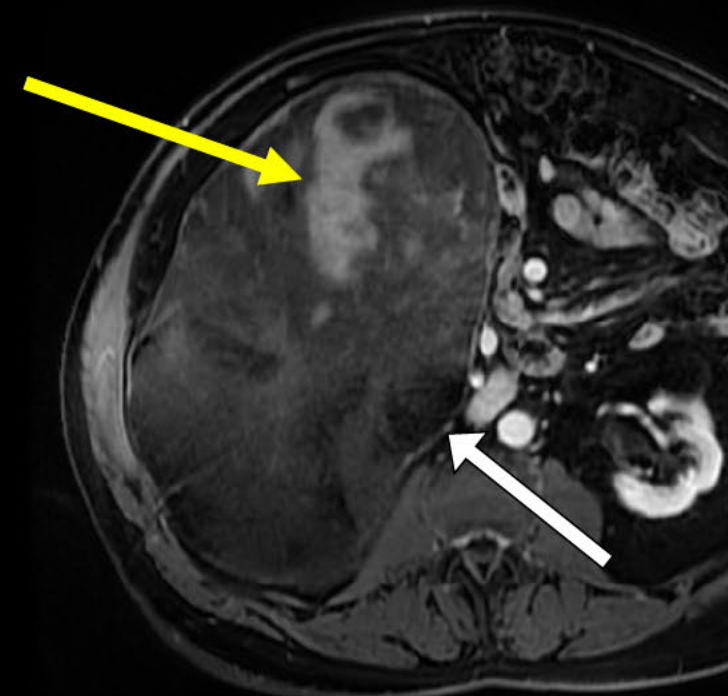
AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

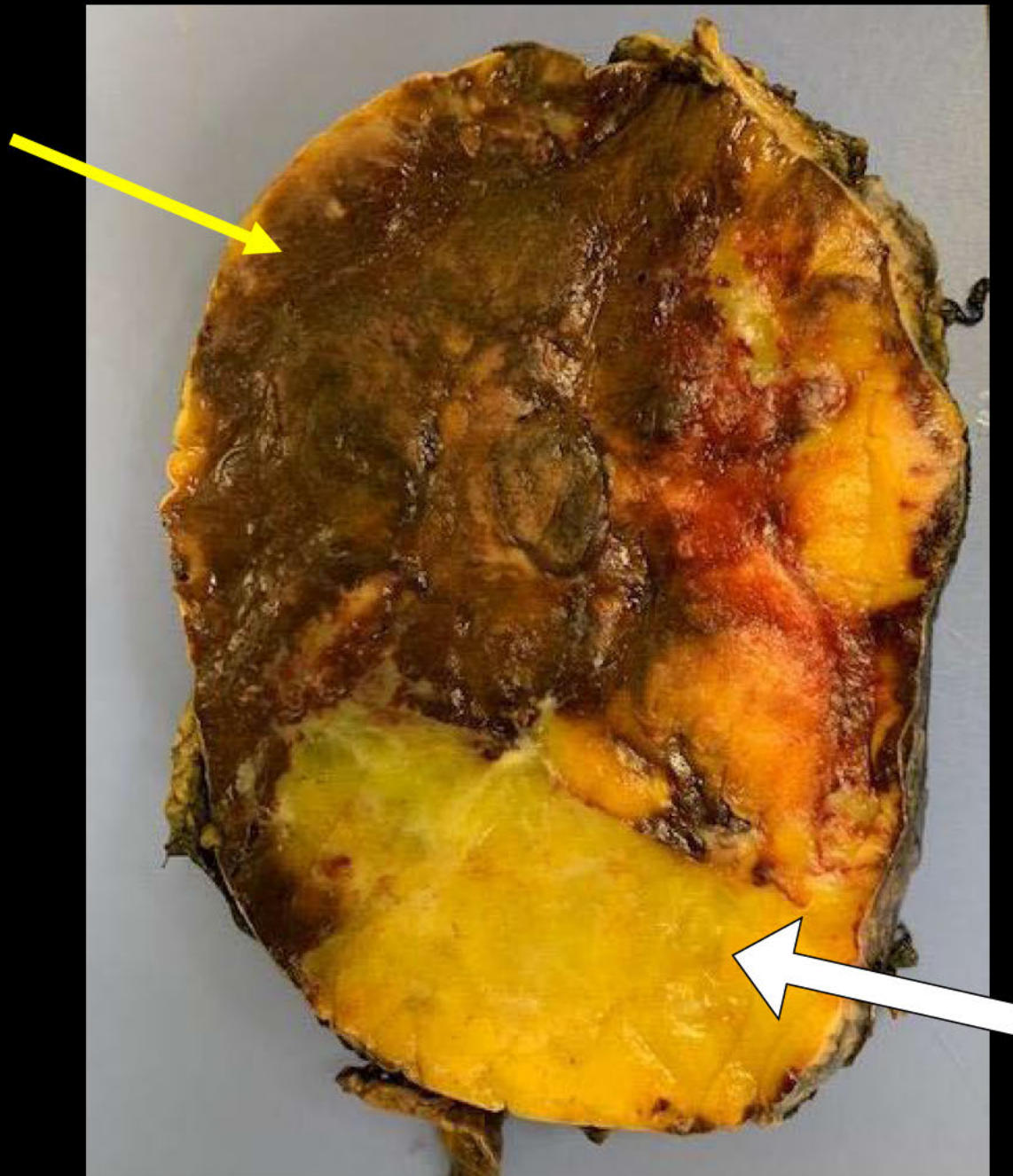
A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

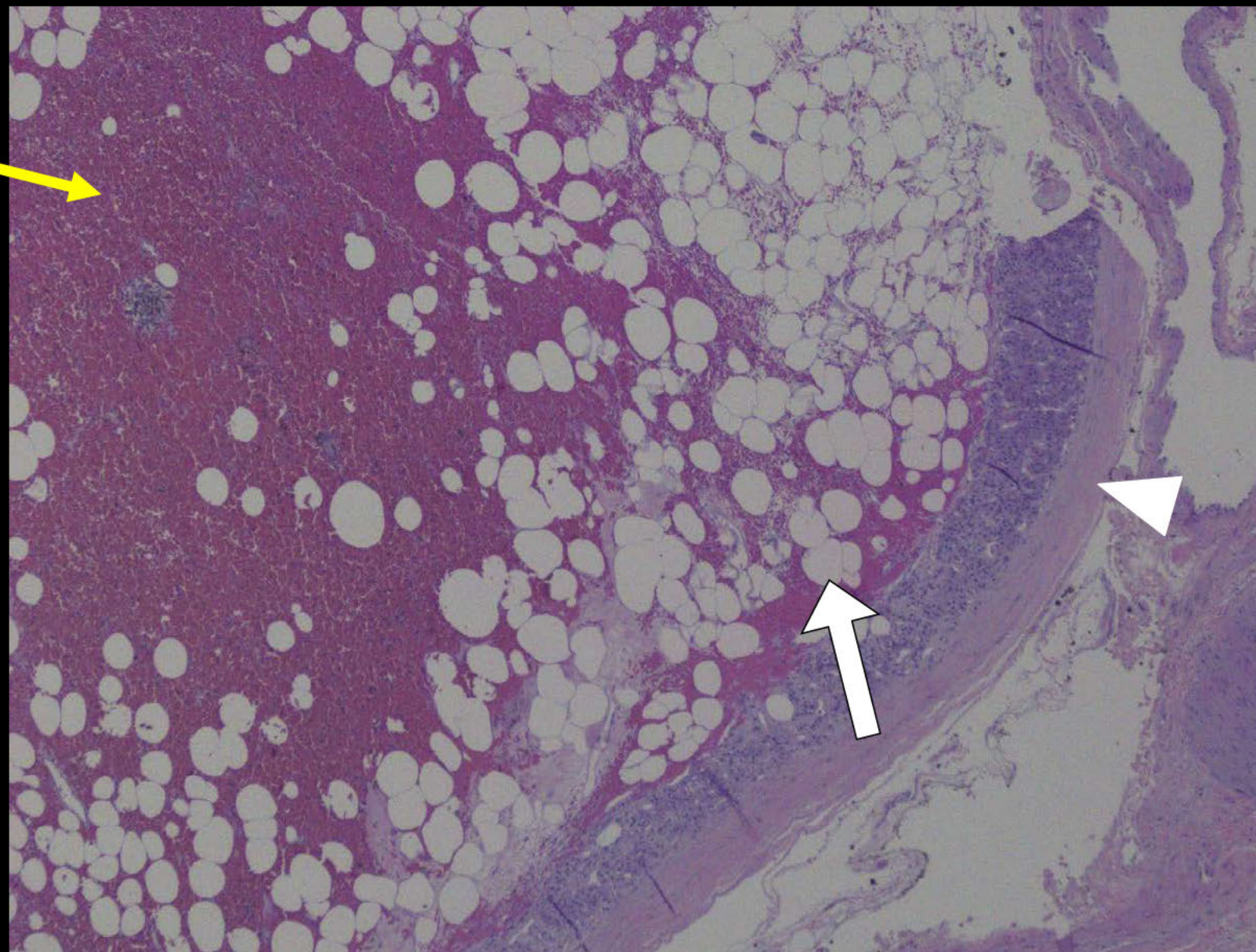
AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



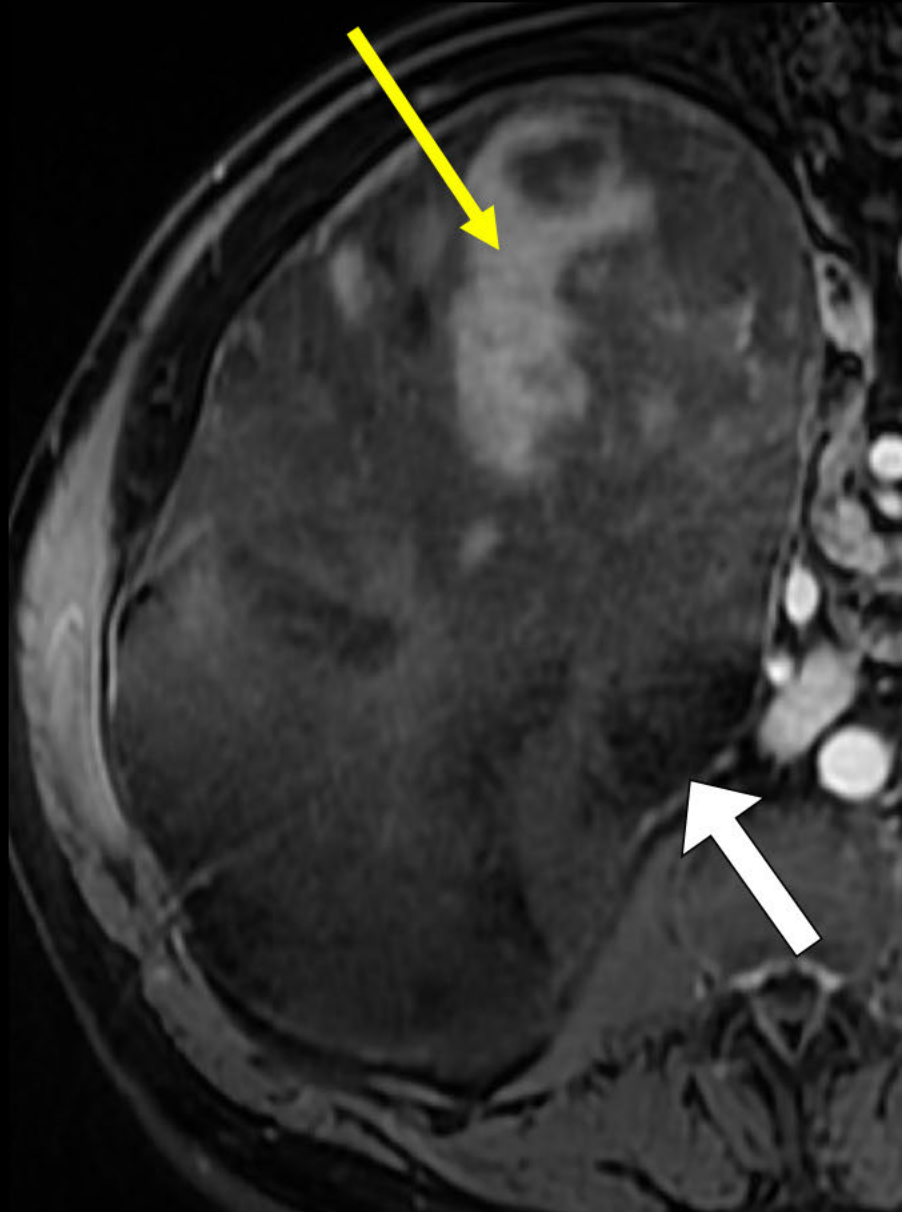
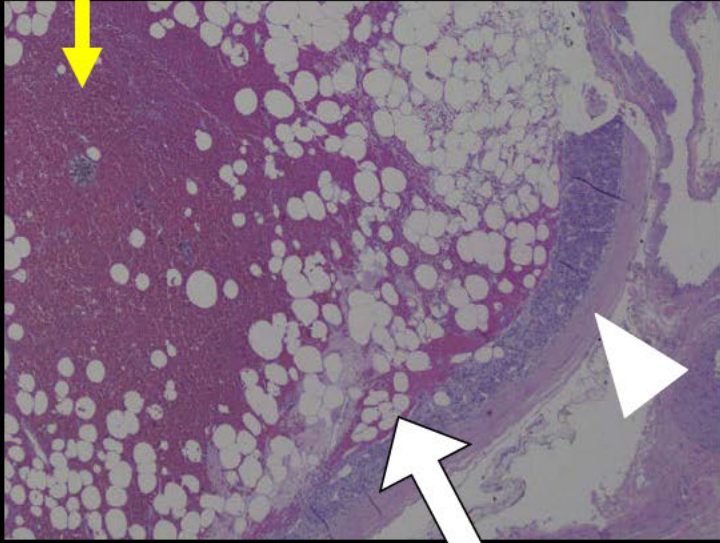




AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY



AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY

Myelolipoma

Kirang Patel

University of Missouri at Kansas City

Kansas City, Missouri

AIRPTM

AMERICAN INSTITUTE FOR
RADIOLOGIC PATHOLOGY

A PROGRAM OF THE
AMERICAN COLLEGE OF RADIOLOGY