

2016年02月19日

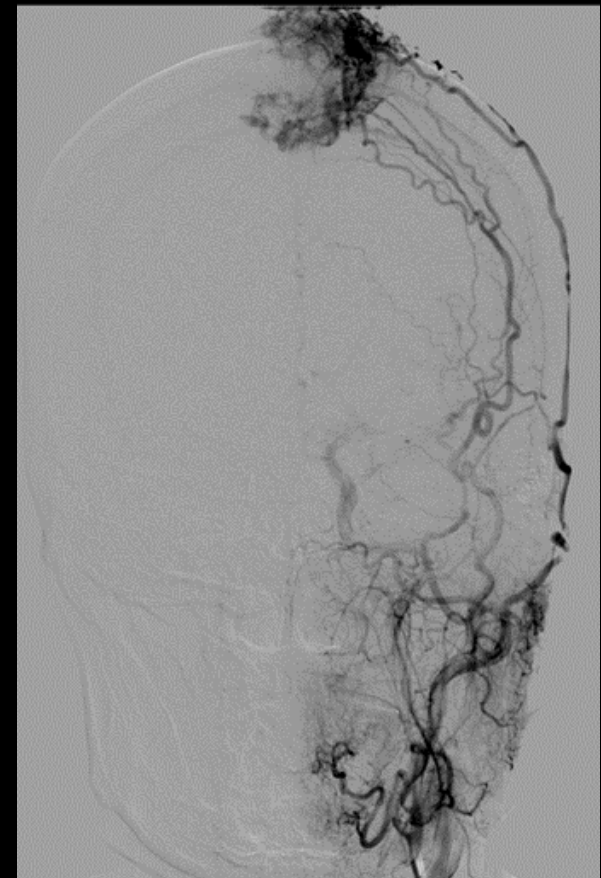
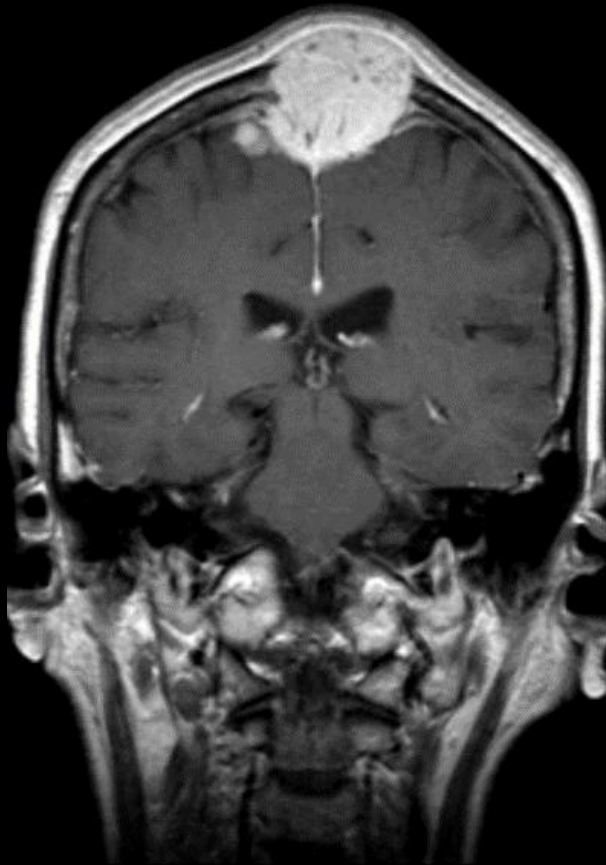
中華民國放射線醫學會
住院醫師閱片測驗-答案

出題醫院

中山醫學大學附設醫院影像醫學部

Q1

66 y/o Female,
palpable mass over parietal region

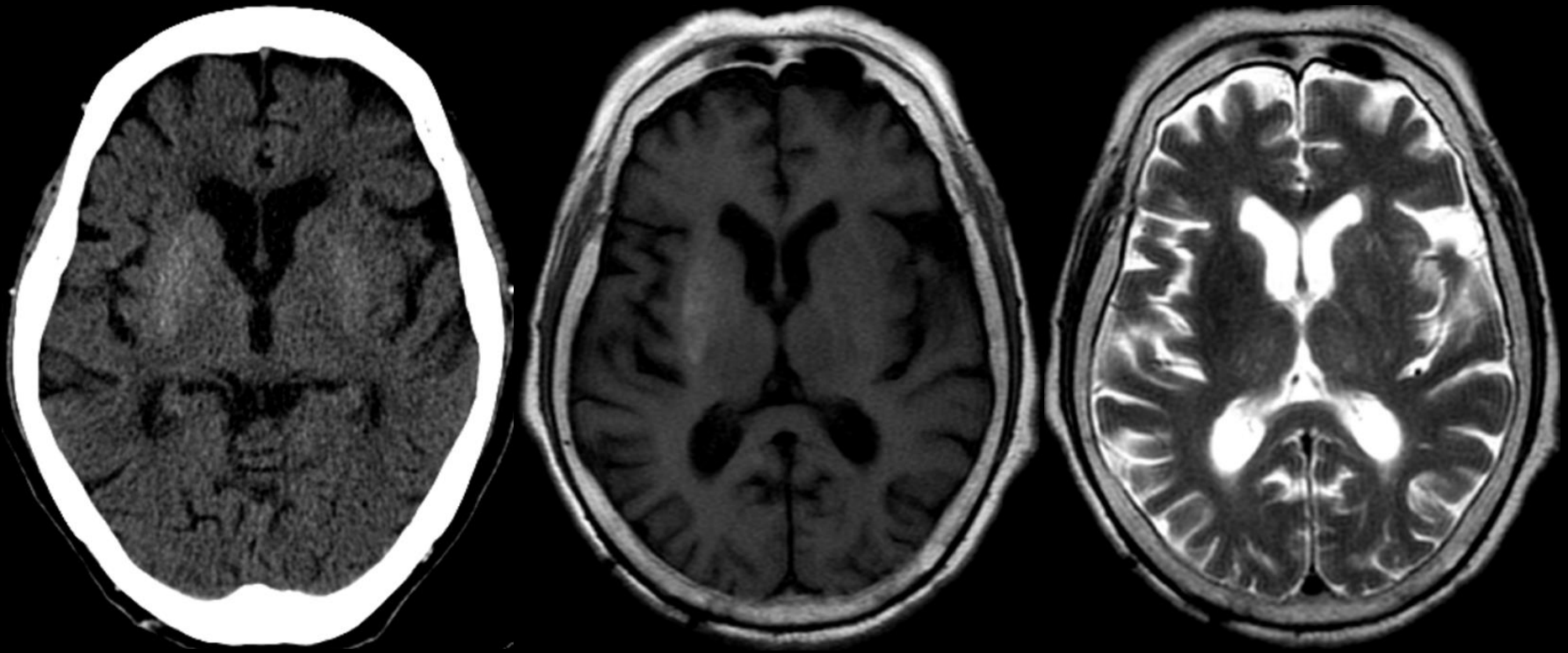


A1

Ans: Hemangiopericytoma

Q2

64 y/o male
involuntary movements of right limbs.

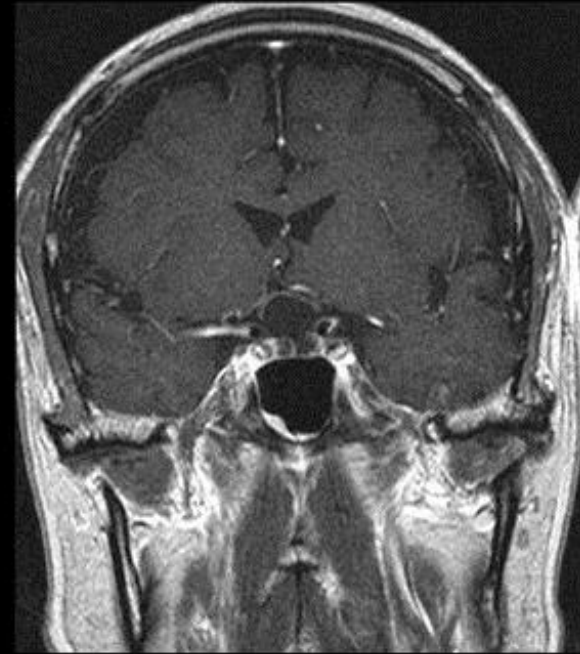
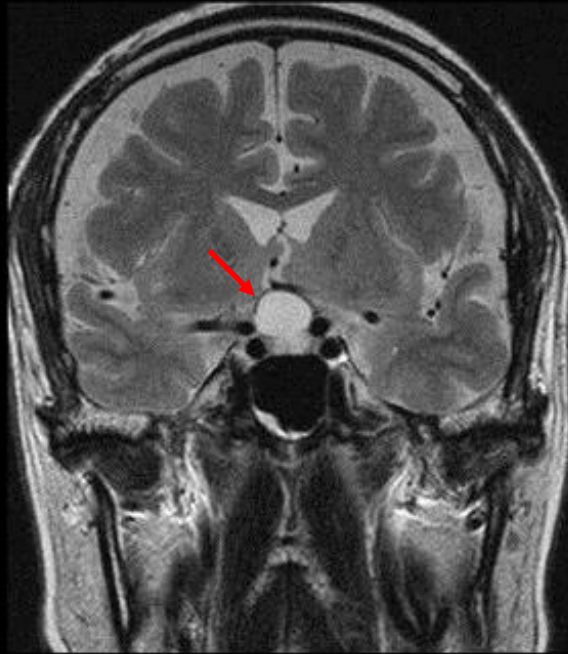
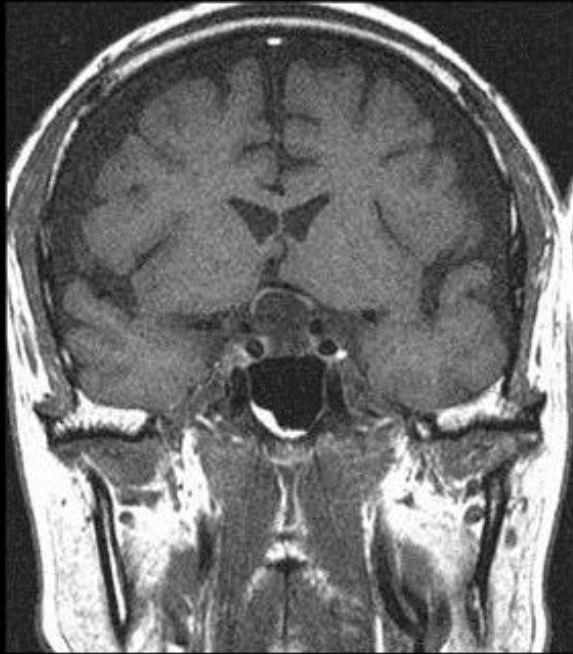


Ans:

Hemichorea-hemiballism syndrome with
nonketotic-hyperglycemia

Q3

76 y/o male,
vertigo and dizziness for one year



Ans: Rathke's cleft cyst

Q4

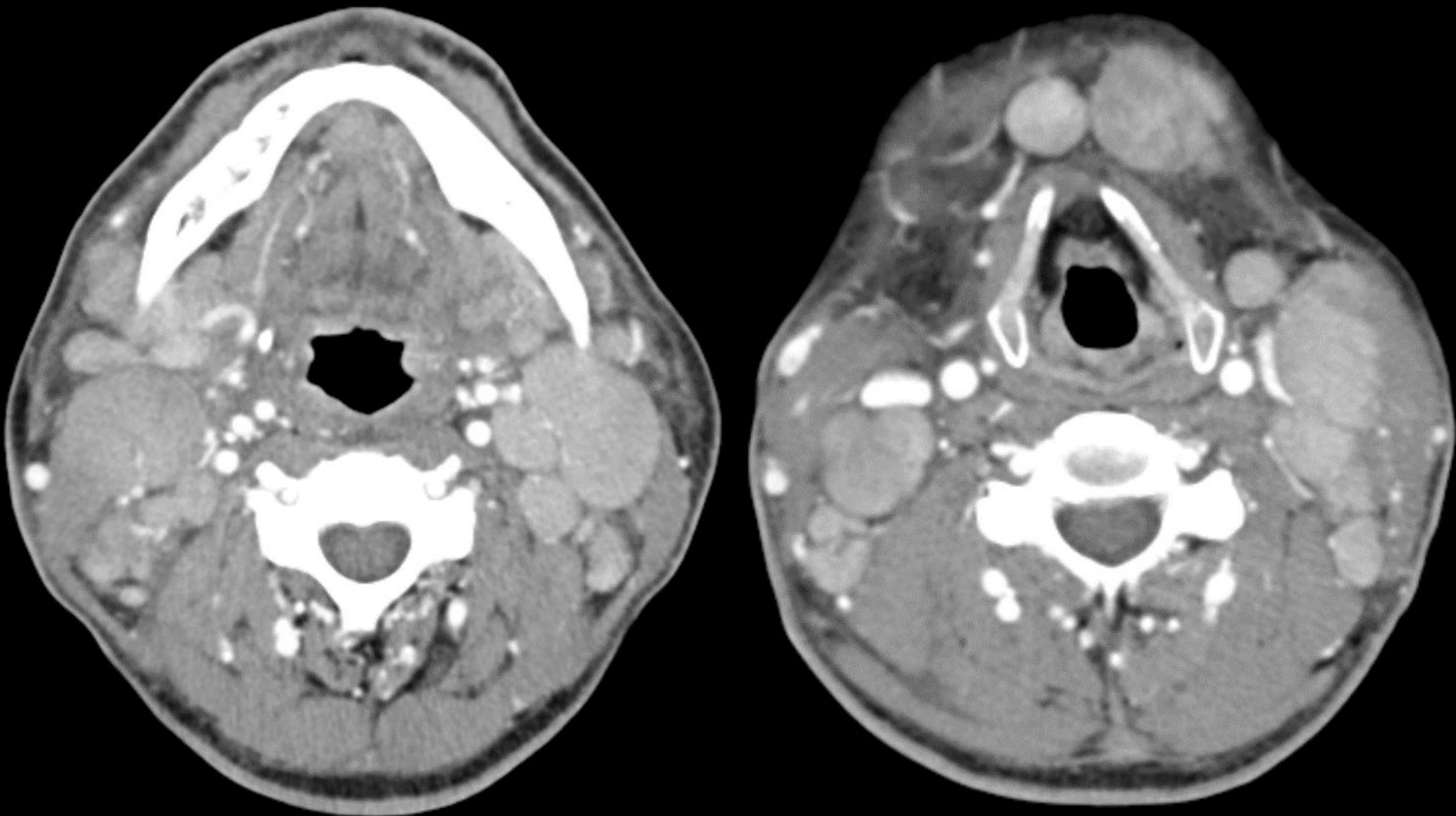
21 y/o Male, bilateral hand tremor



Ans: Schizencephaly, open lip

Q5

52 y/o male, HCC S/P liver transplantation

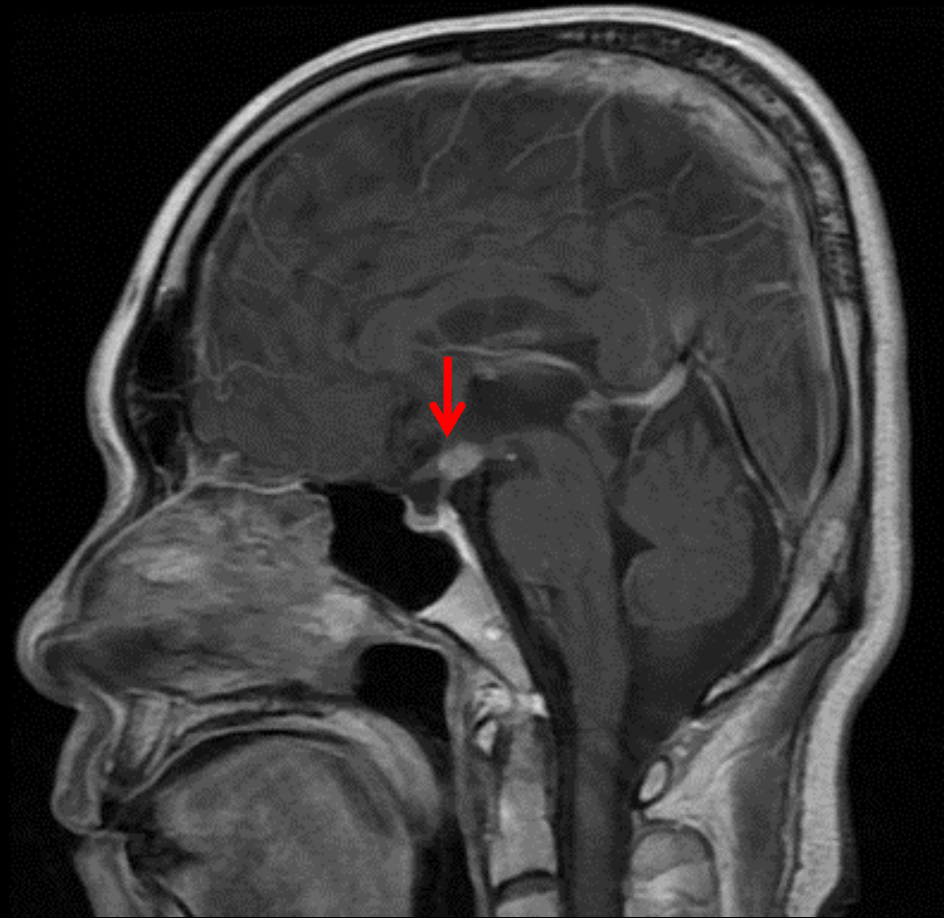


Ans:

Post-transplant lymphoproliferative disease
(PTLD)

Q6

46 y/o male, left mandible swelling

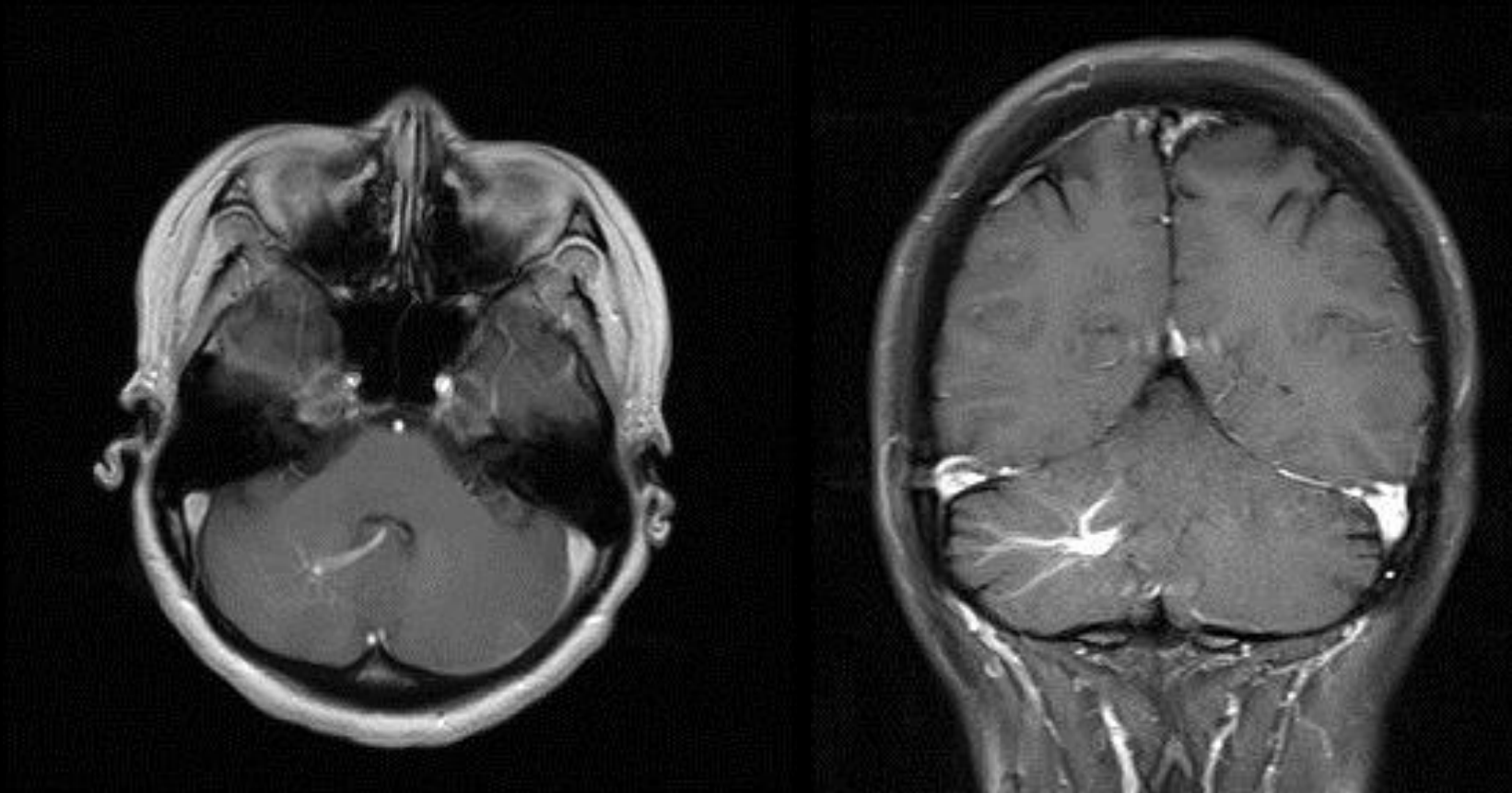


A6

Ans: Langerhan cell histiocytosis

Q7

42 y/o female with incidental finding



Ans: Developmental venous anomaly

Q8-1

40 y/o female, pain over right mandible



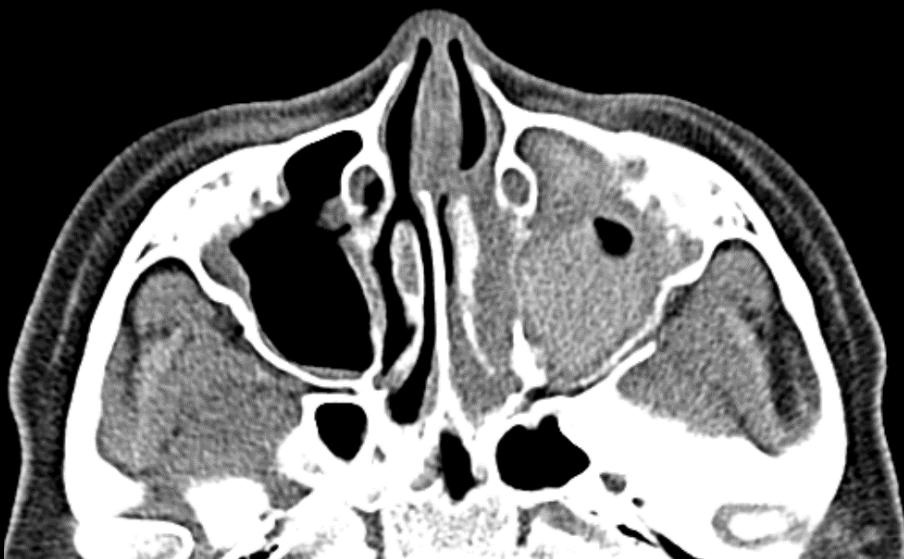
Q8-2



Ans: Cemento-osseous dysplasia

Q9

53 y/o female, left nasal obstruction, CT C(-)

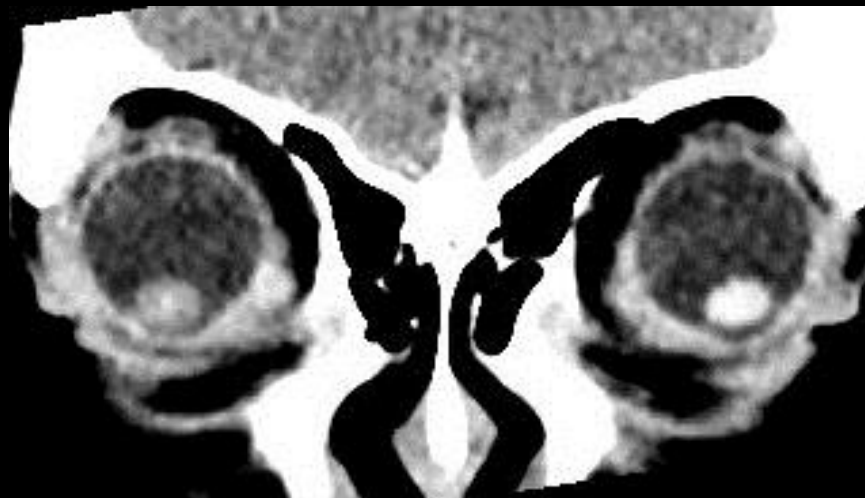


A9

Ans: Allergic fungal sinusitis

Q10

60 y/o female, traumatic Hx and resulting in blurring vision

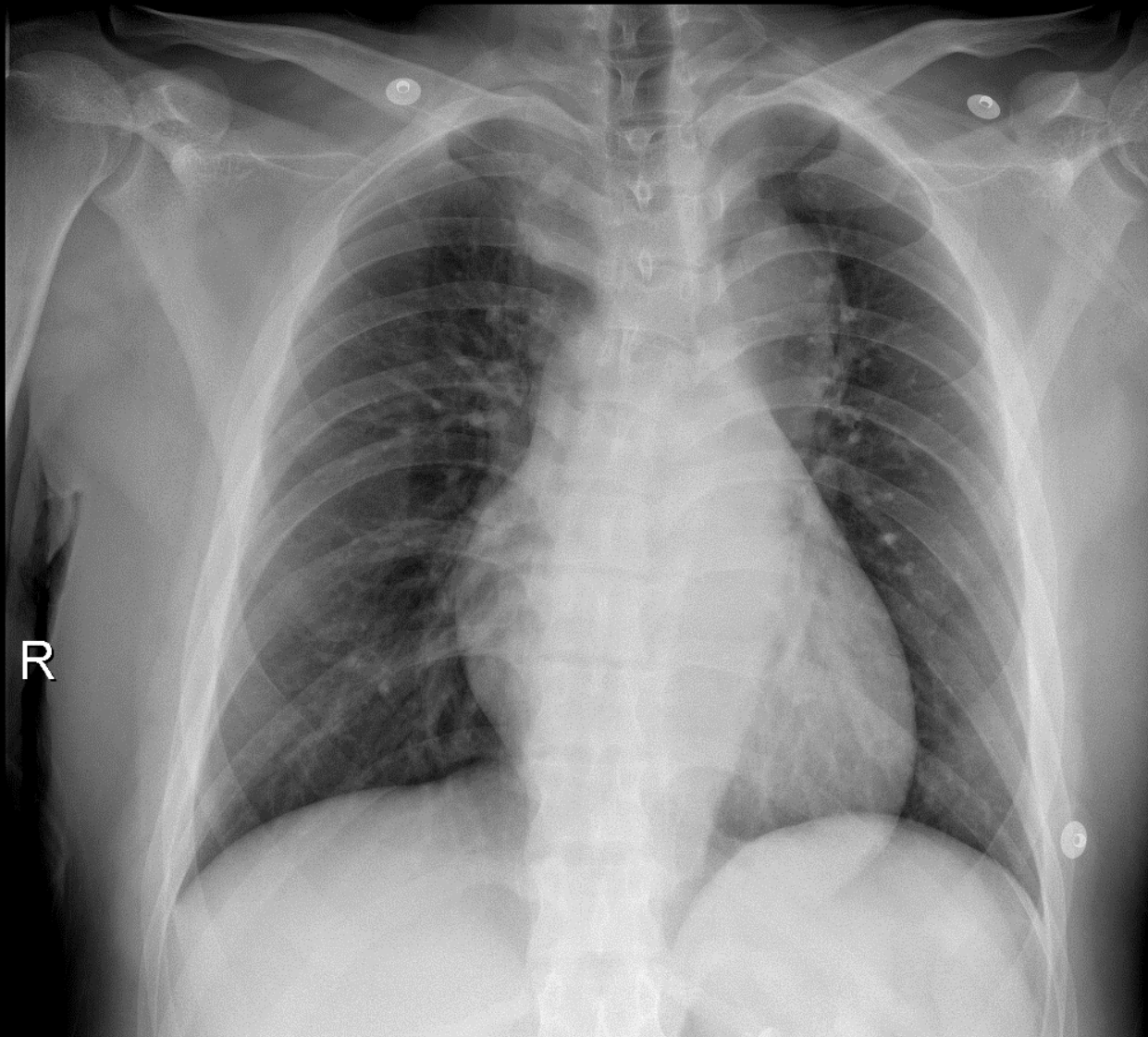


A10

Ans: Traumatic cataract, OD

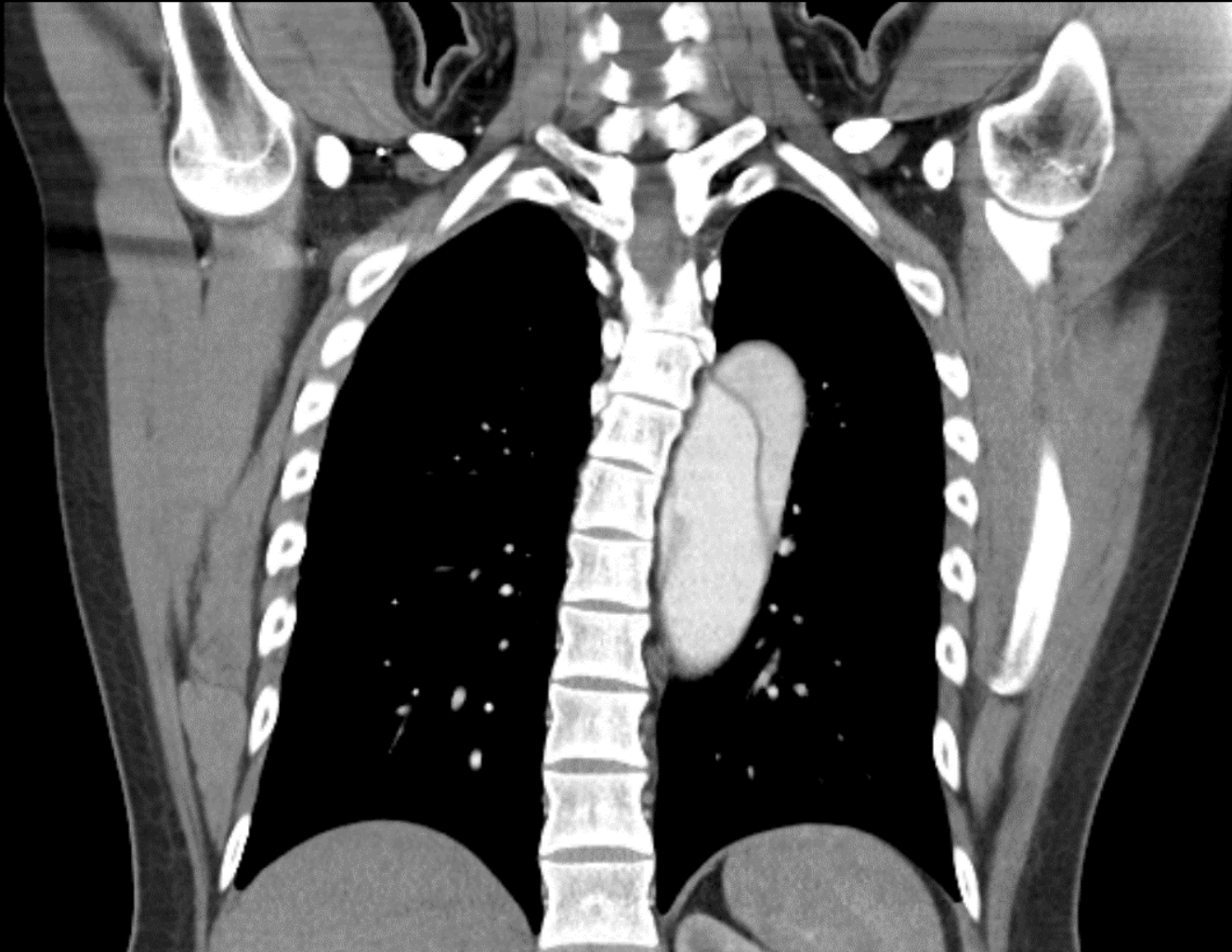
Q11

22 y/o male, Hx: Marfan syndrome
CC: Chest pain



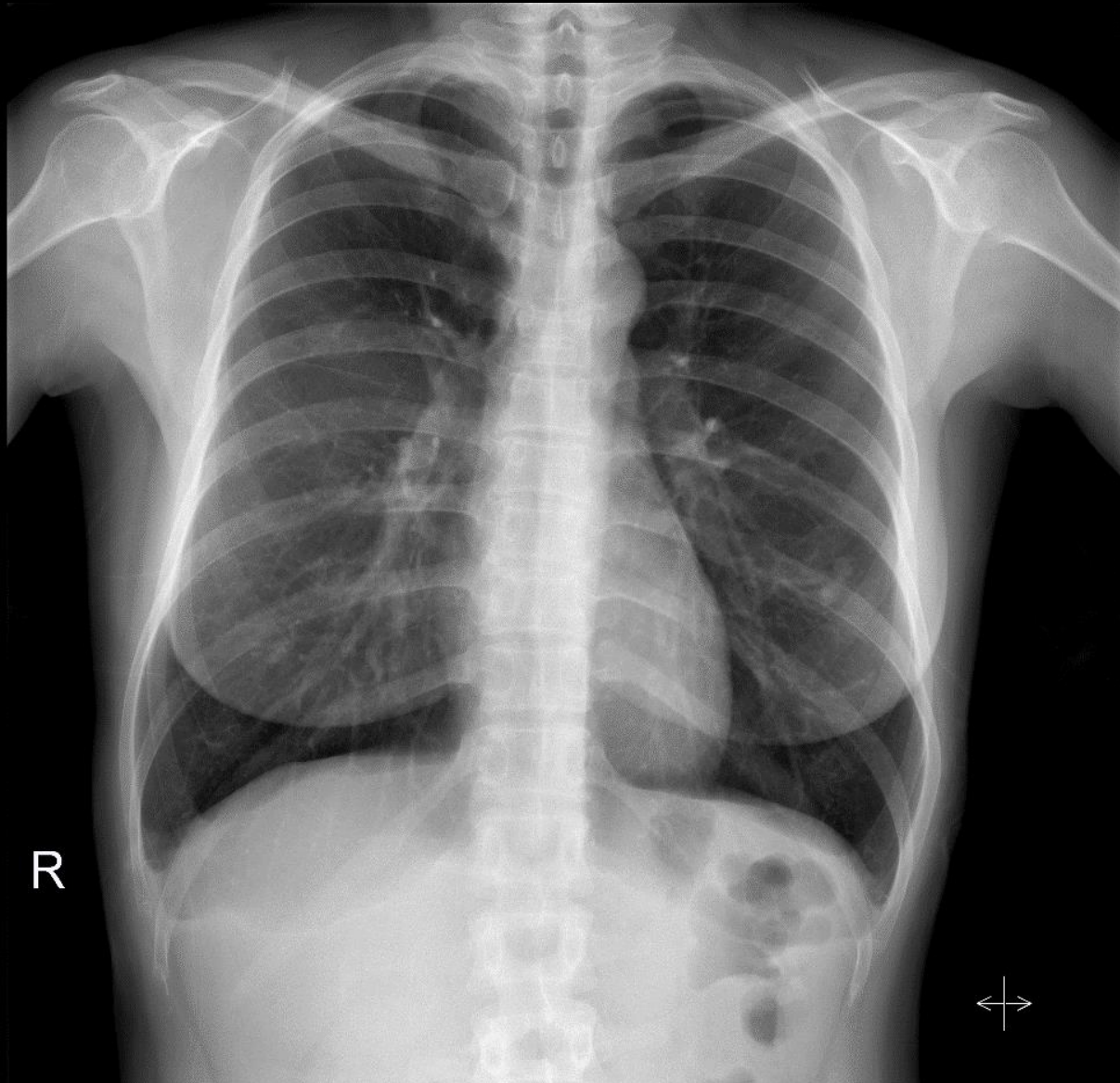
A11

Ans: Aortic dissection

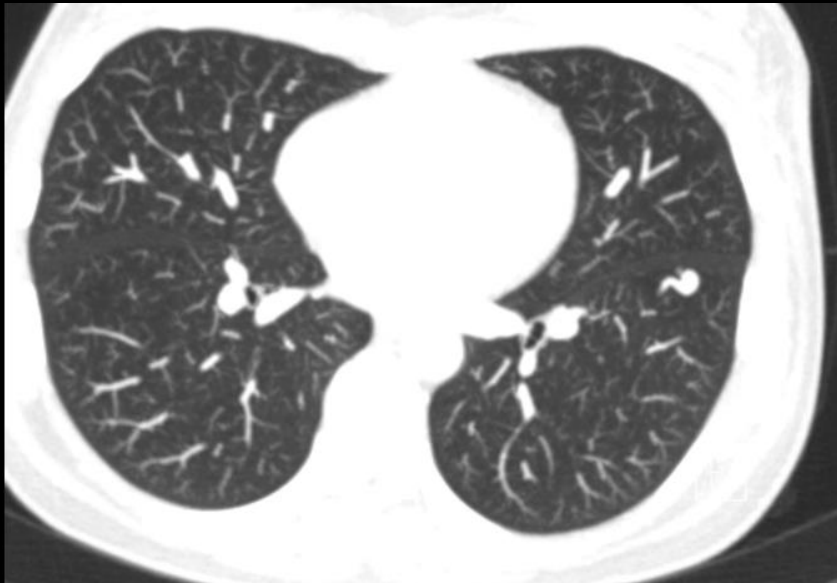


Q12-1

34y/o female, health examination



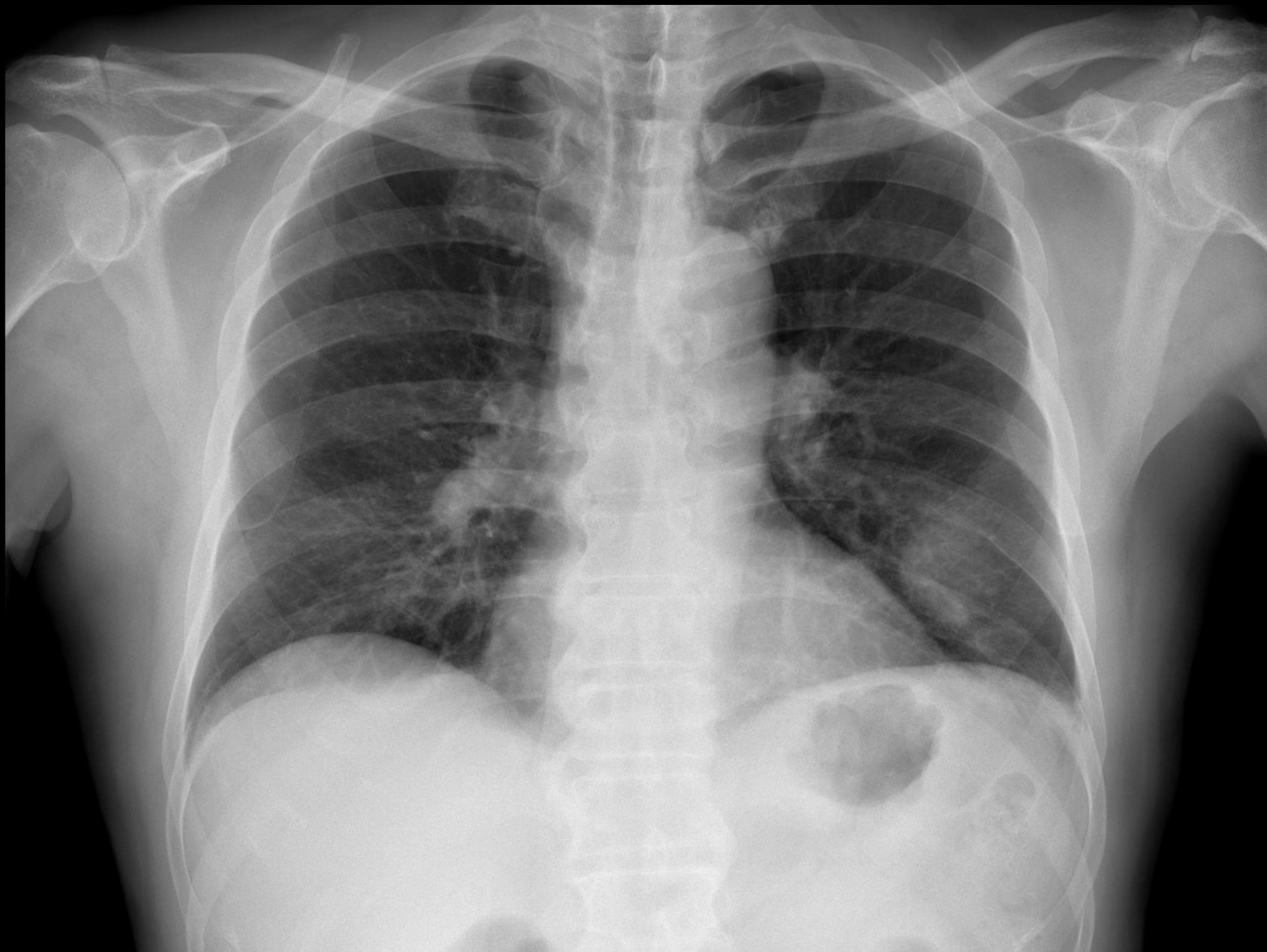
Q12-2



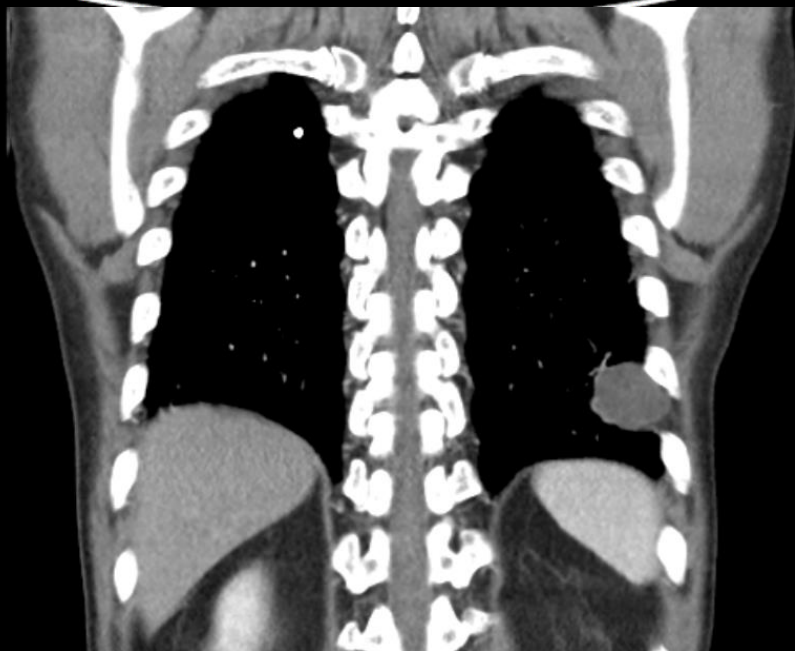
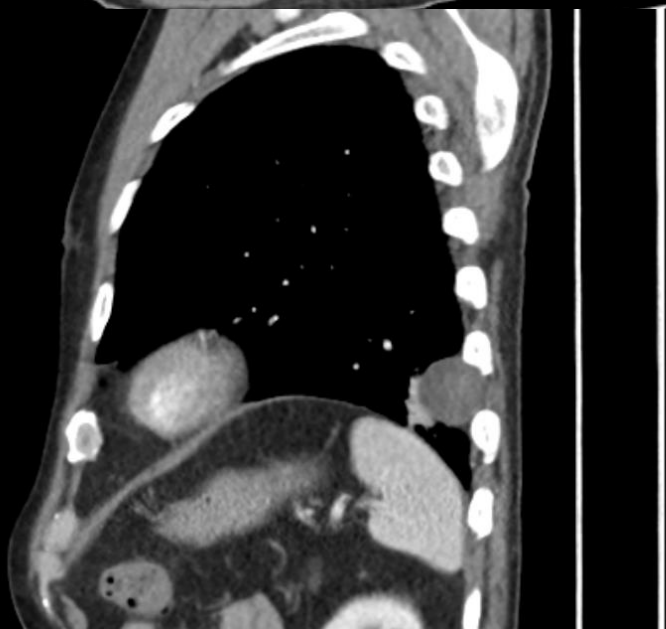
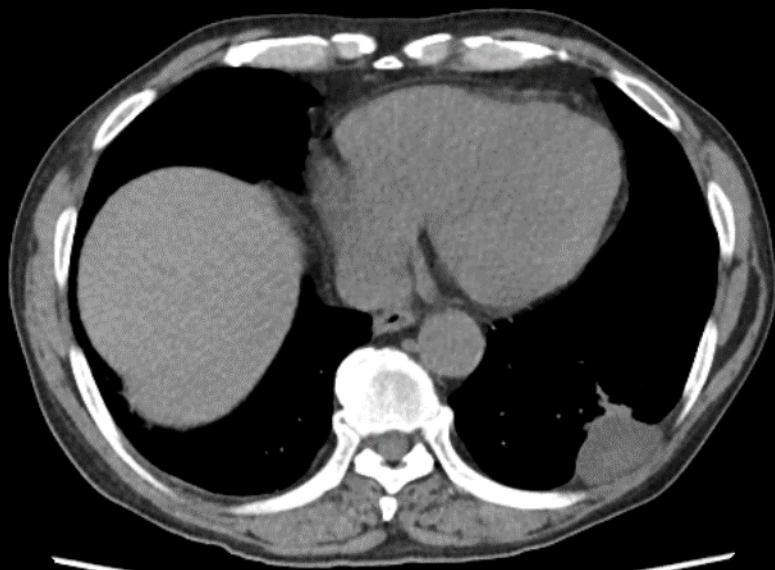
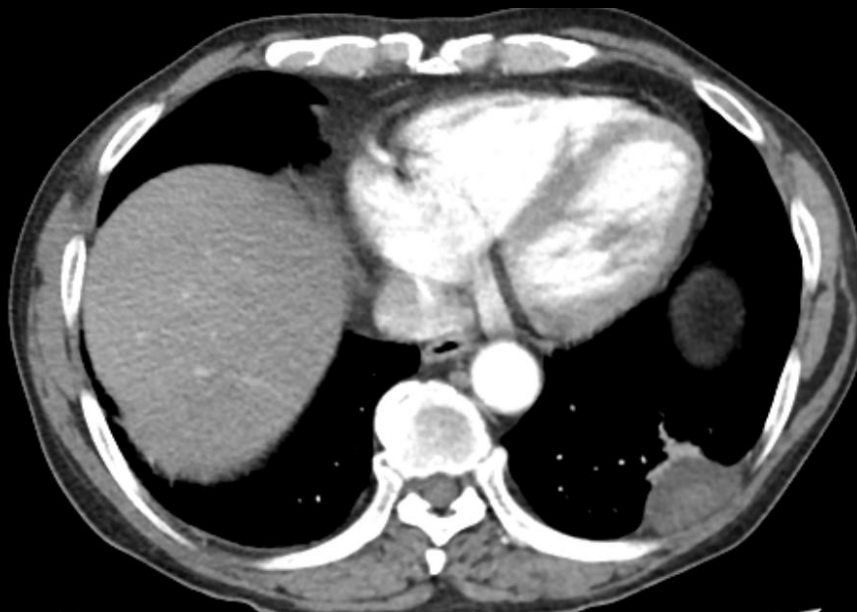
A12

Ans: Arteriovenous malformation

Q13-1 63 y/o male, chest pain



Q13-2

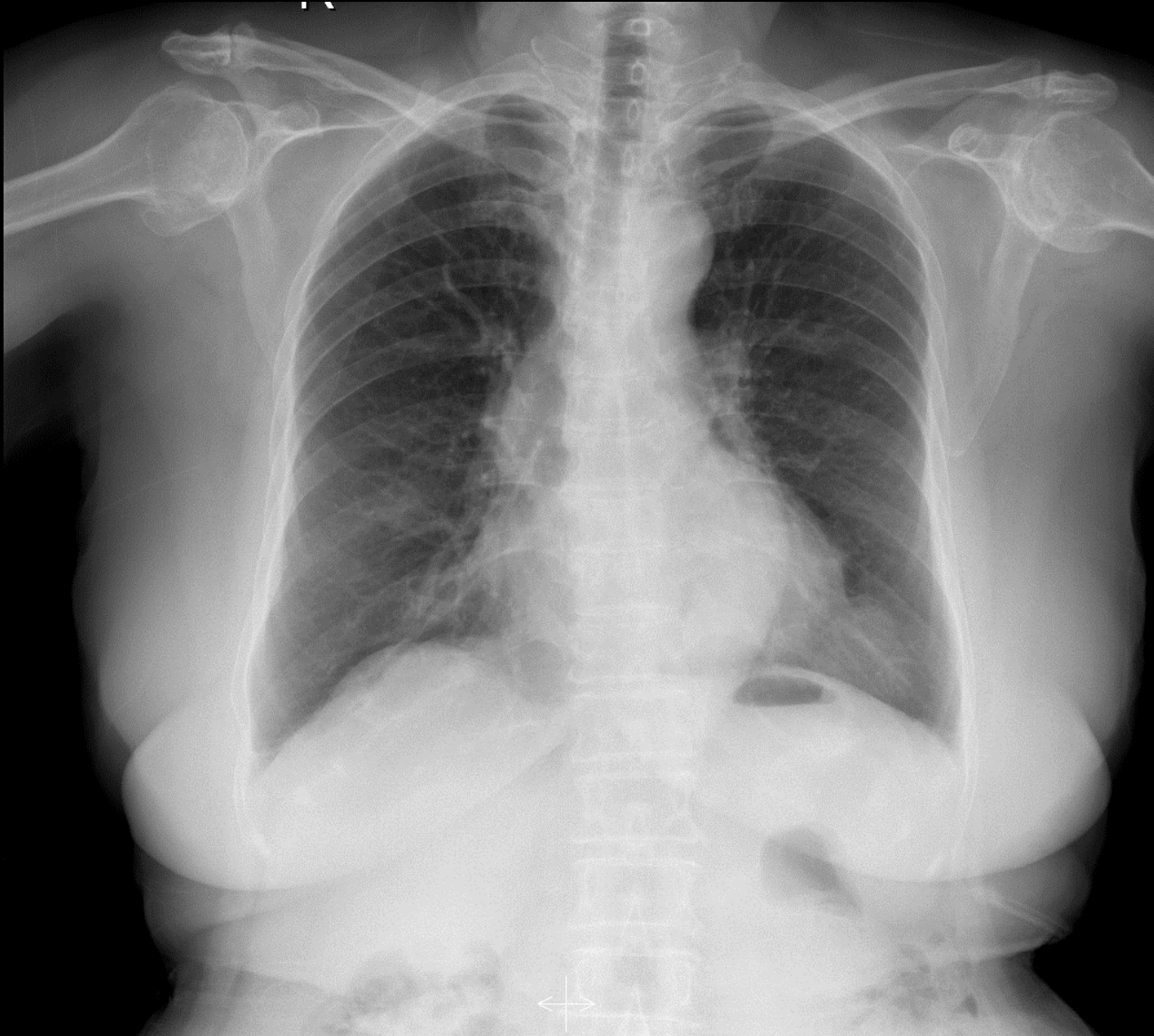


A13

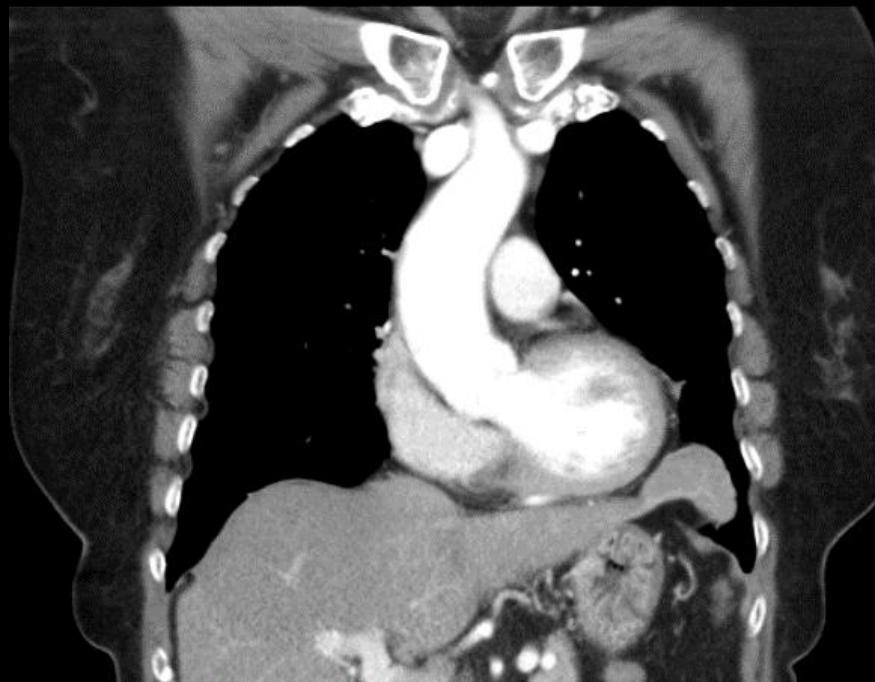
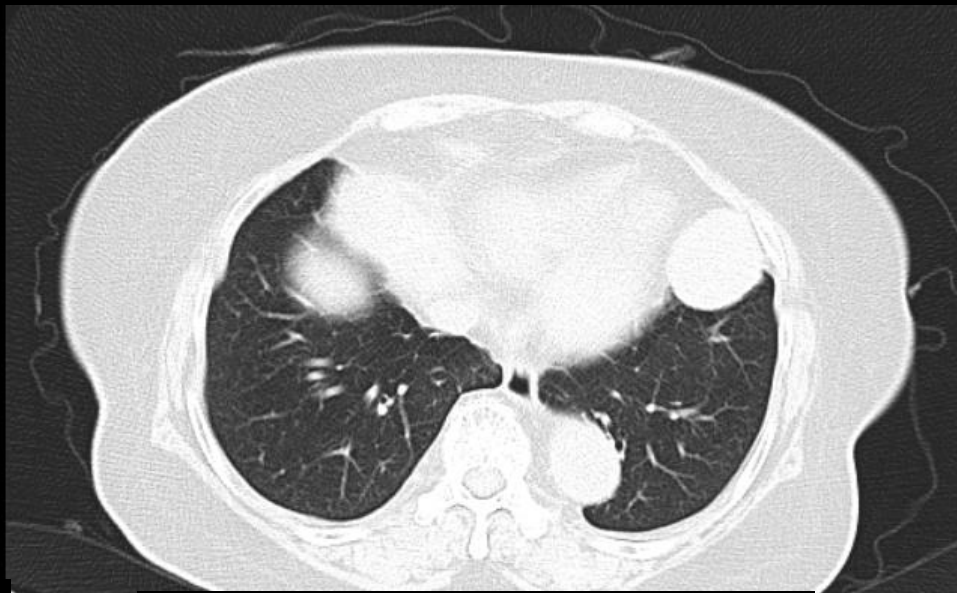
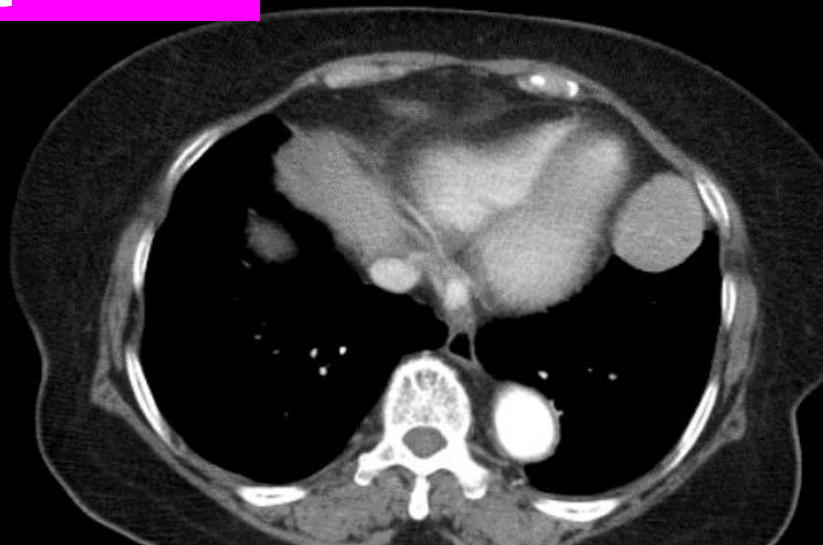
Ans: Neurofibroma

Q14-1

80 y/o female, health examination



Q14-2



A14

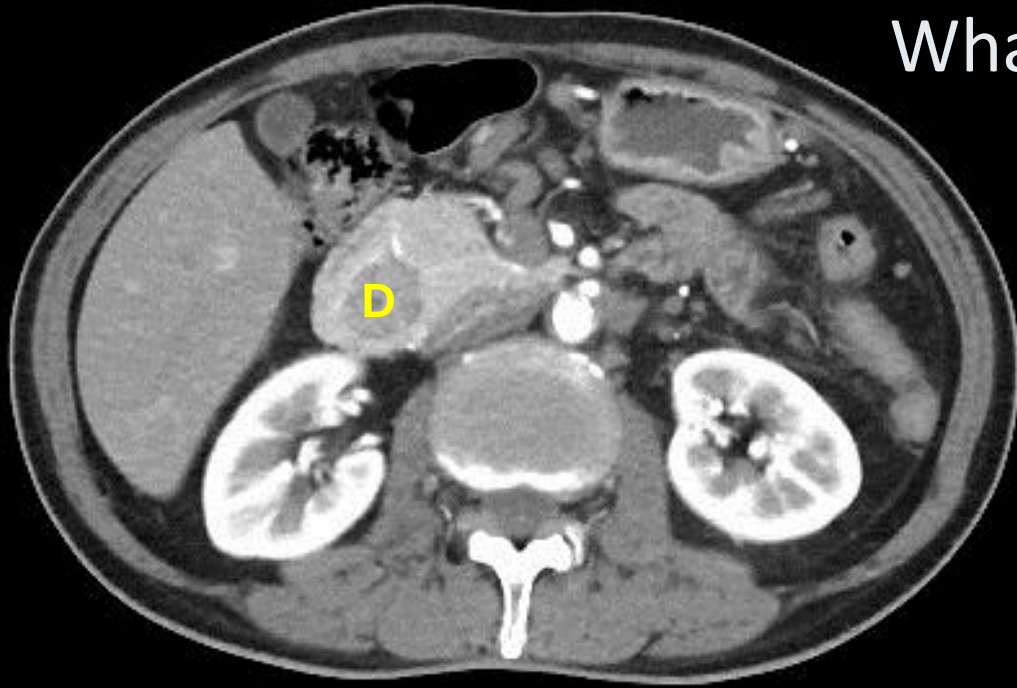
Ans: morgagni hernia

Q15

60y/o male

Incidental finding

What is the impression ?



D : Duodenum

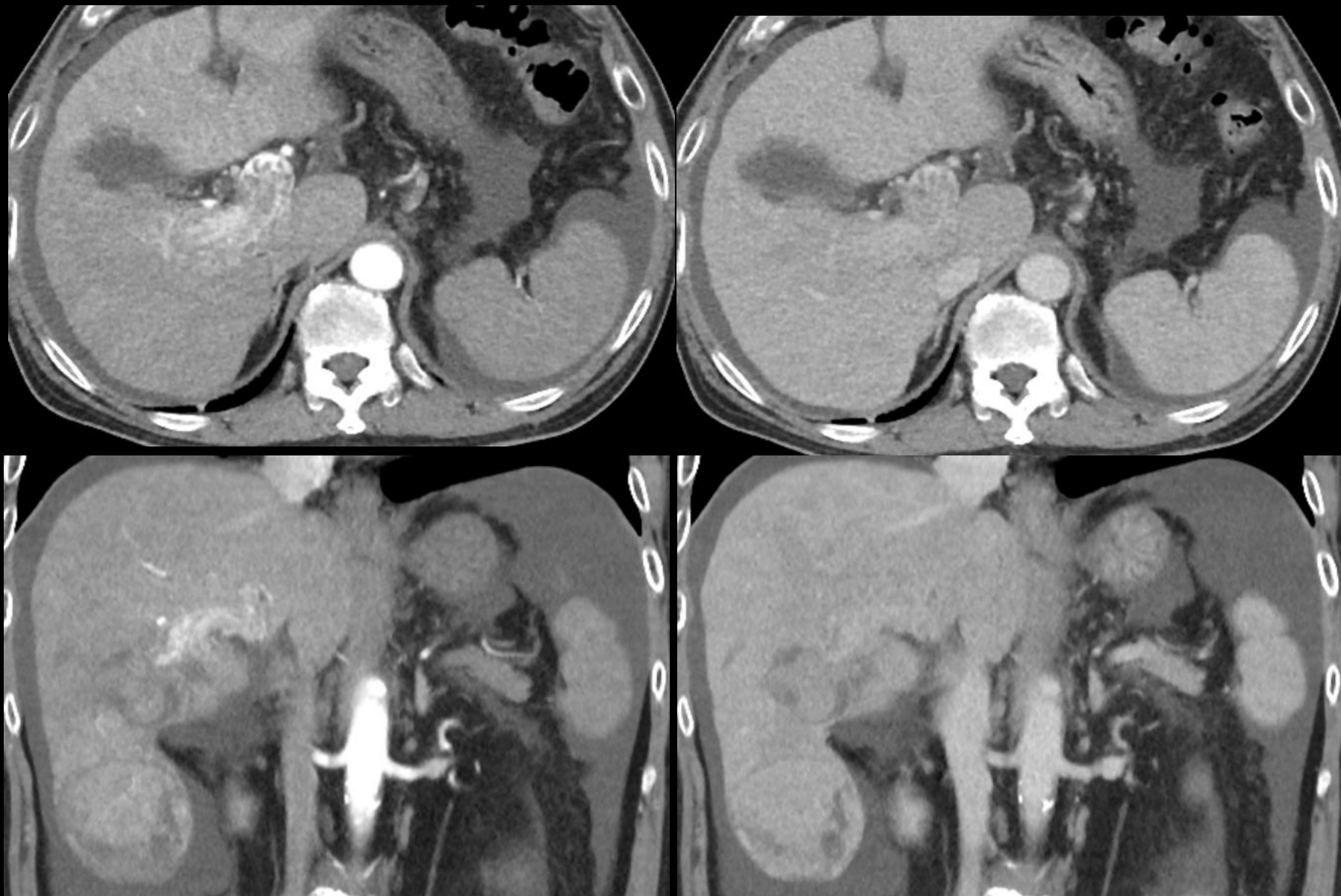


A15

Ans : Annular pancreas

Q16

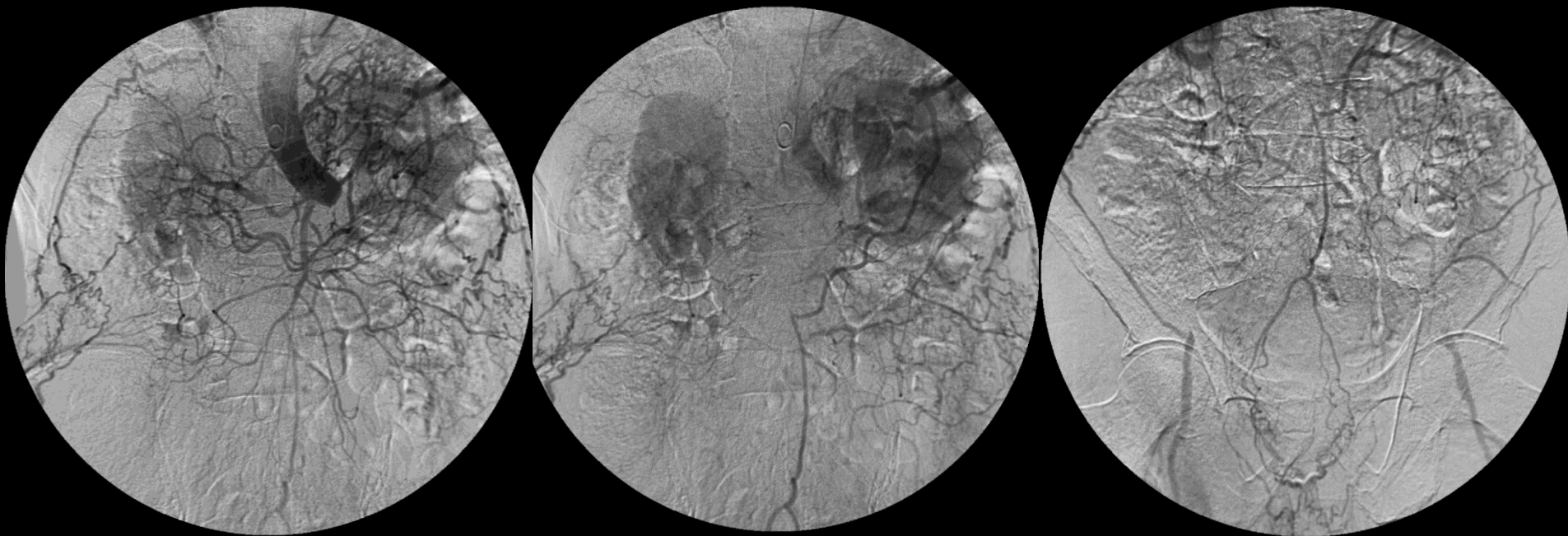
68 y/o man. Jaundice.



Ans: Hepatocellular carcinoma and tumor invasion to portal vein.

Q17

77y/o male, Claudication
What is the impression ?



Aortogram, digital subtraction angiography

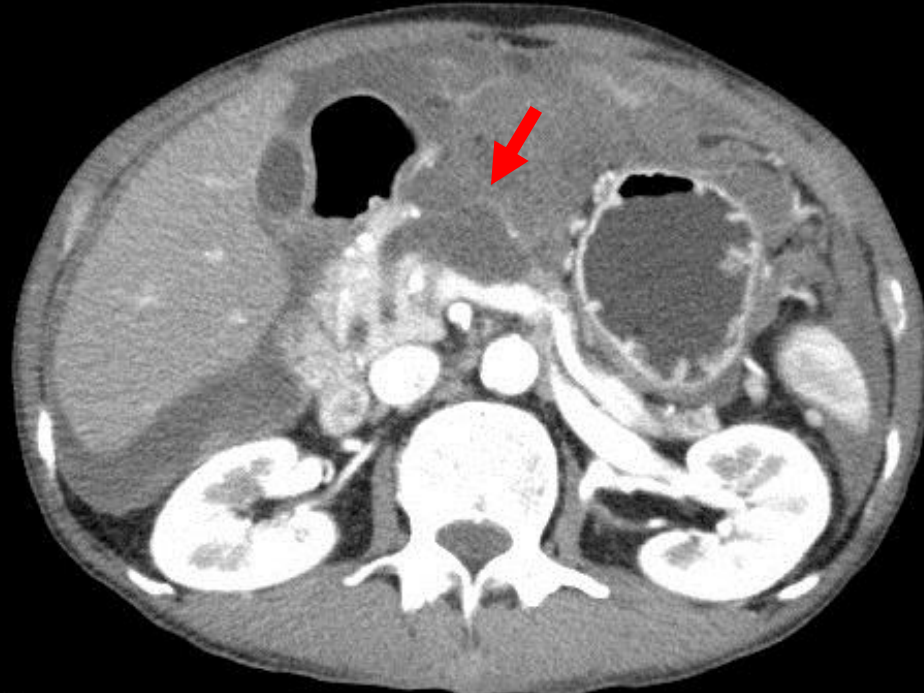
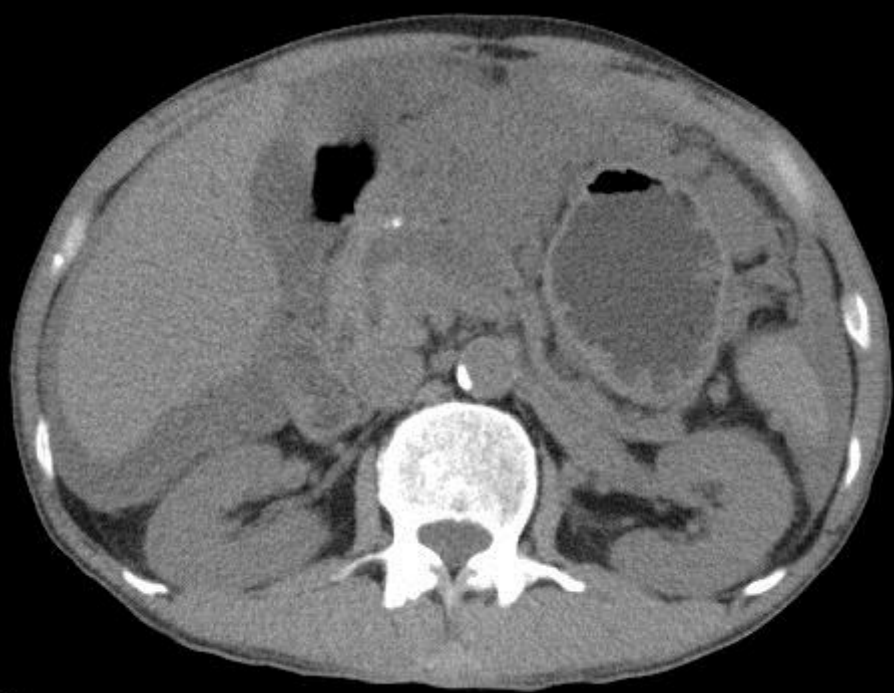
A17

Ans : Leriche Syndrome



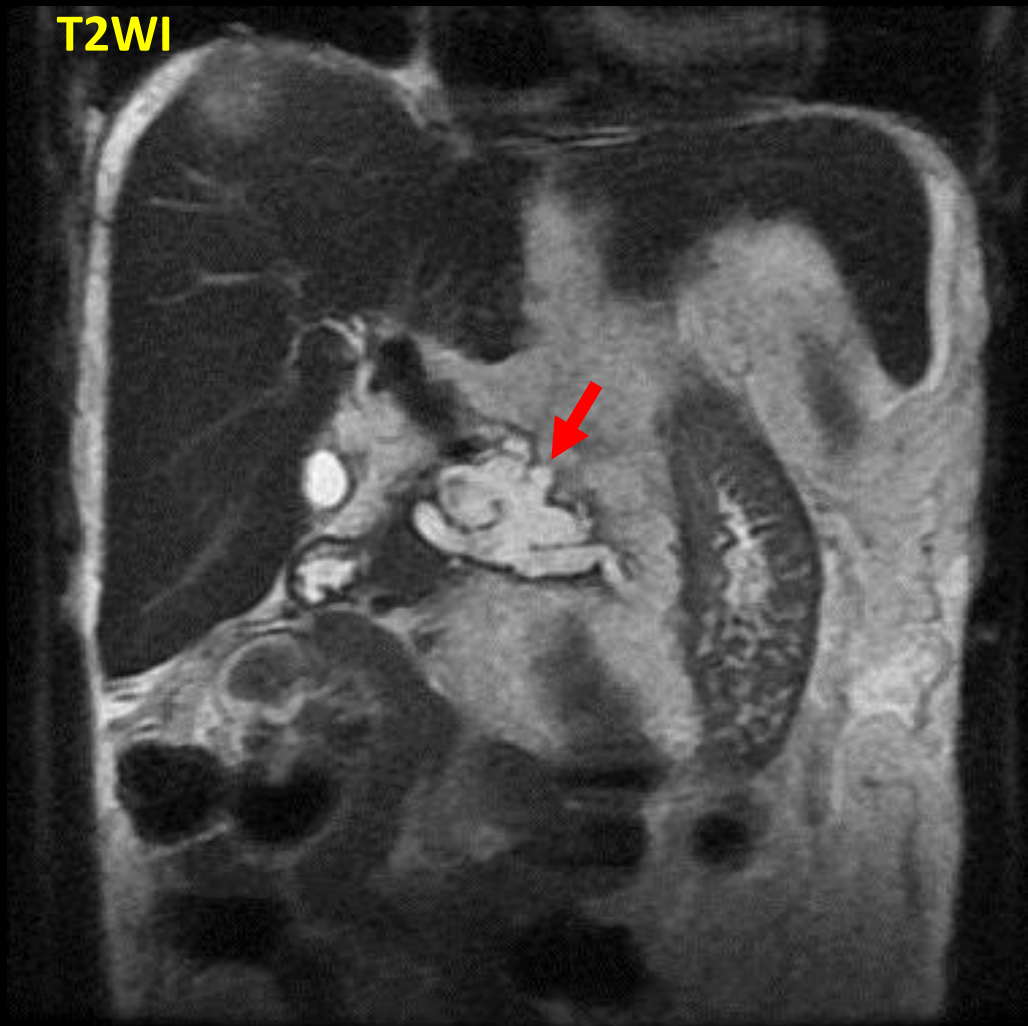
Q18-1

55 y/o male, Abdominal fullness for 2 months

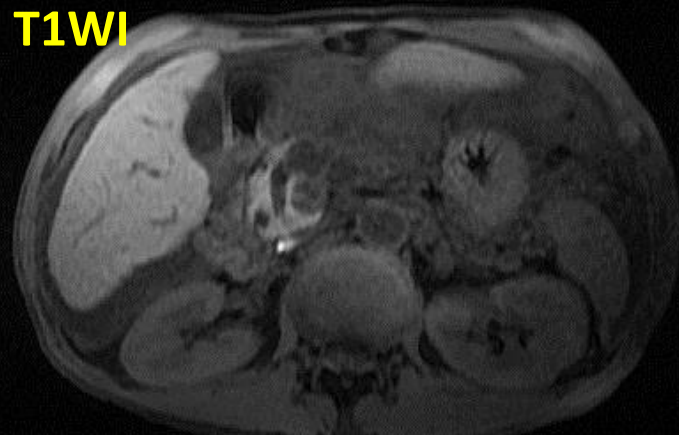


Q18-2

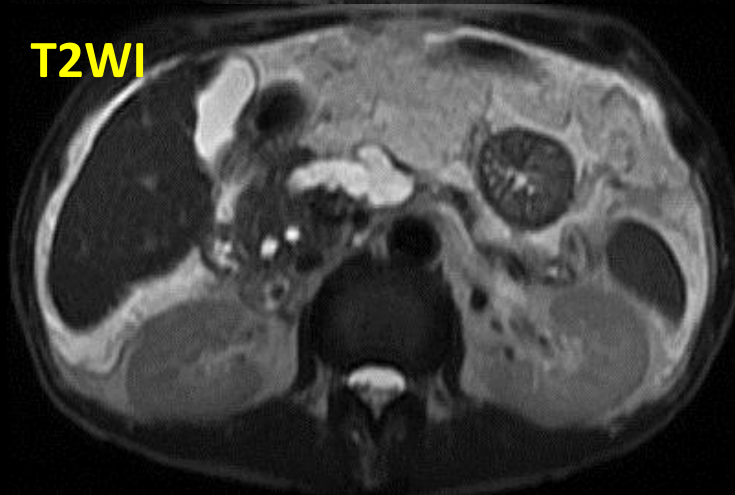
T2WI



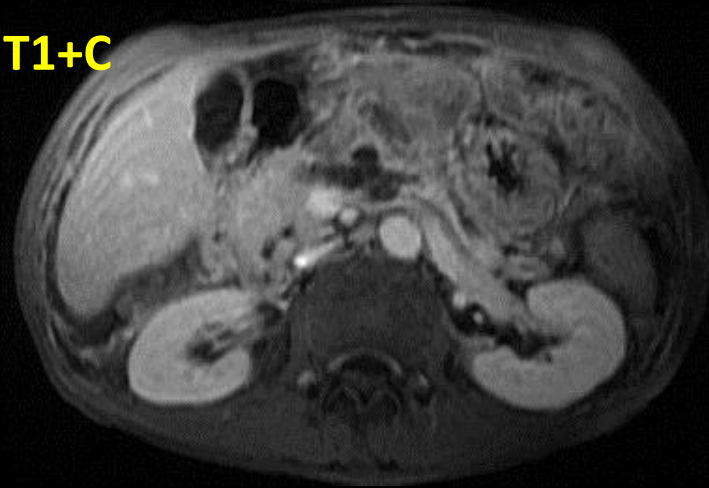
T1WI



T2WI



T1+C

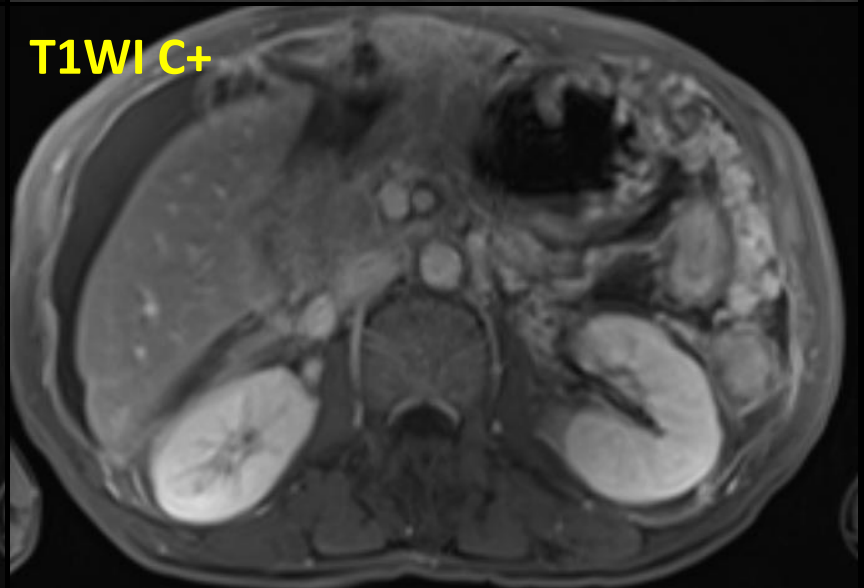
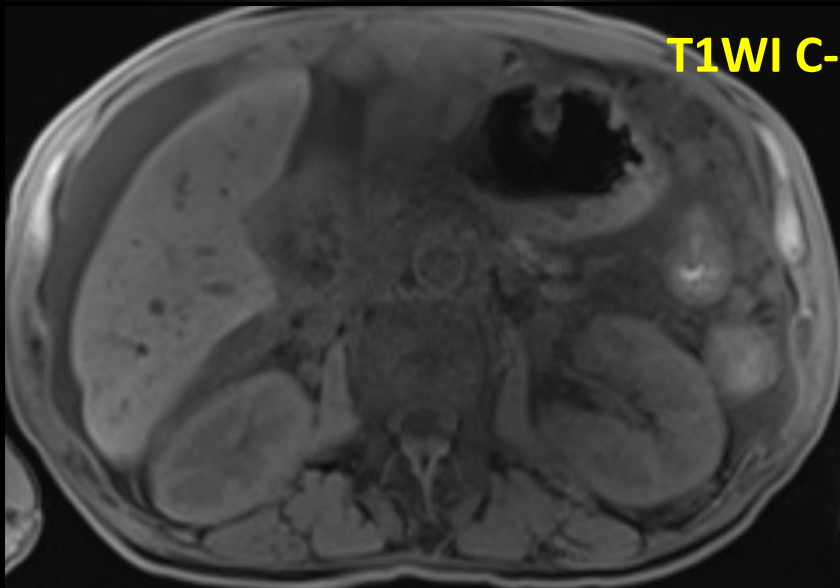
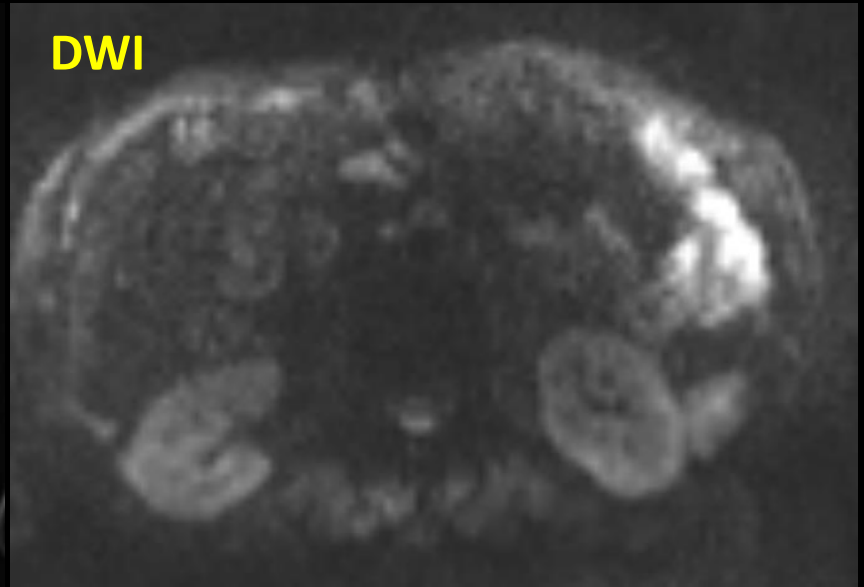
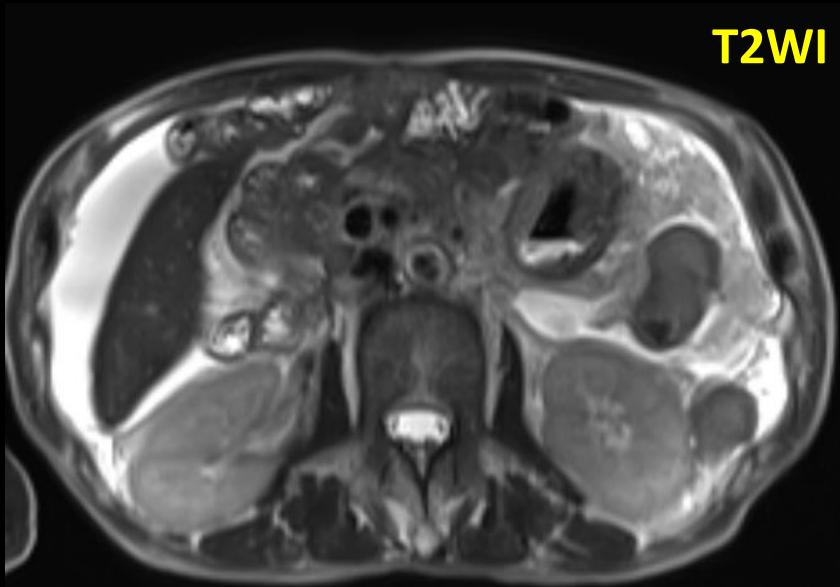


Ans:

Intraductal papillary mucinous neoplasm (IPMN) of the pancreas.

Q19

63 y/o male, History of pancreatic cancer
s/p Whipple operation.

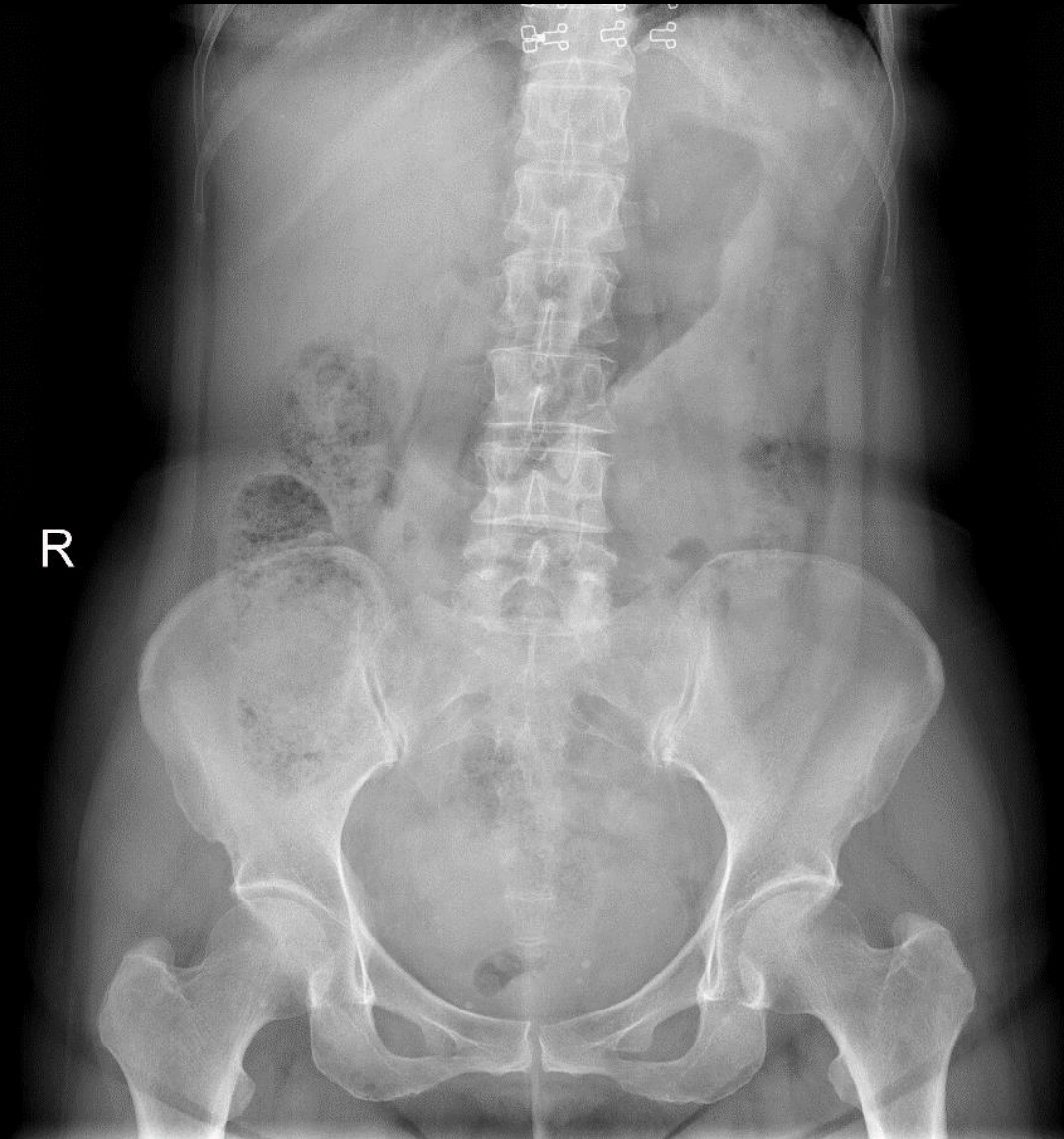


A19

Ans: Peritoneal carcinomatosis

Q20

63 y/o female, trauma and abdominal pain.
Impression?



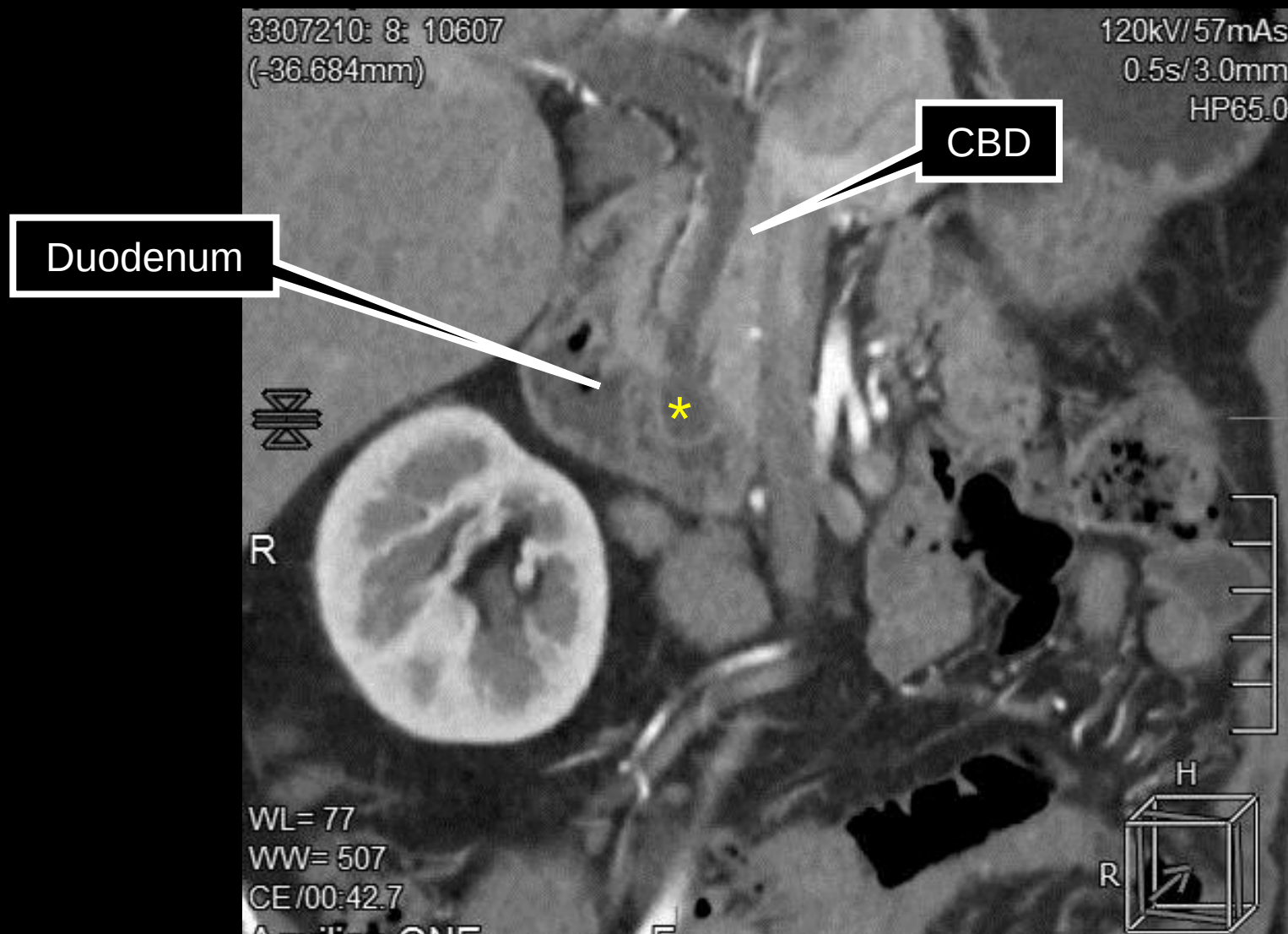
Ans : Ascites (left paracolic gutter)

•(CT findings spleen laceration with hemoperitoneum)



Q21

31 y/o male, SONO: CBD dilatation
Q : What is the impression (*) ?



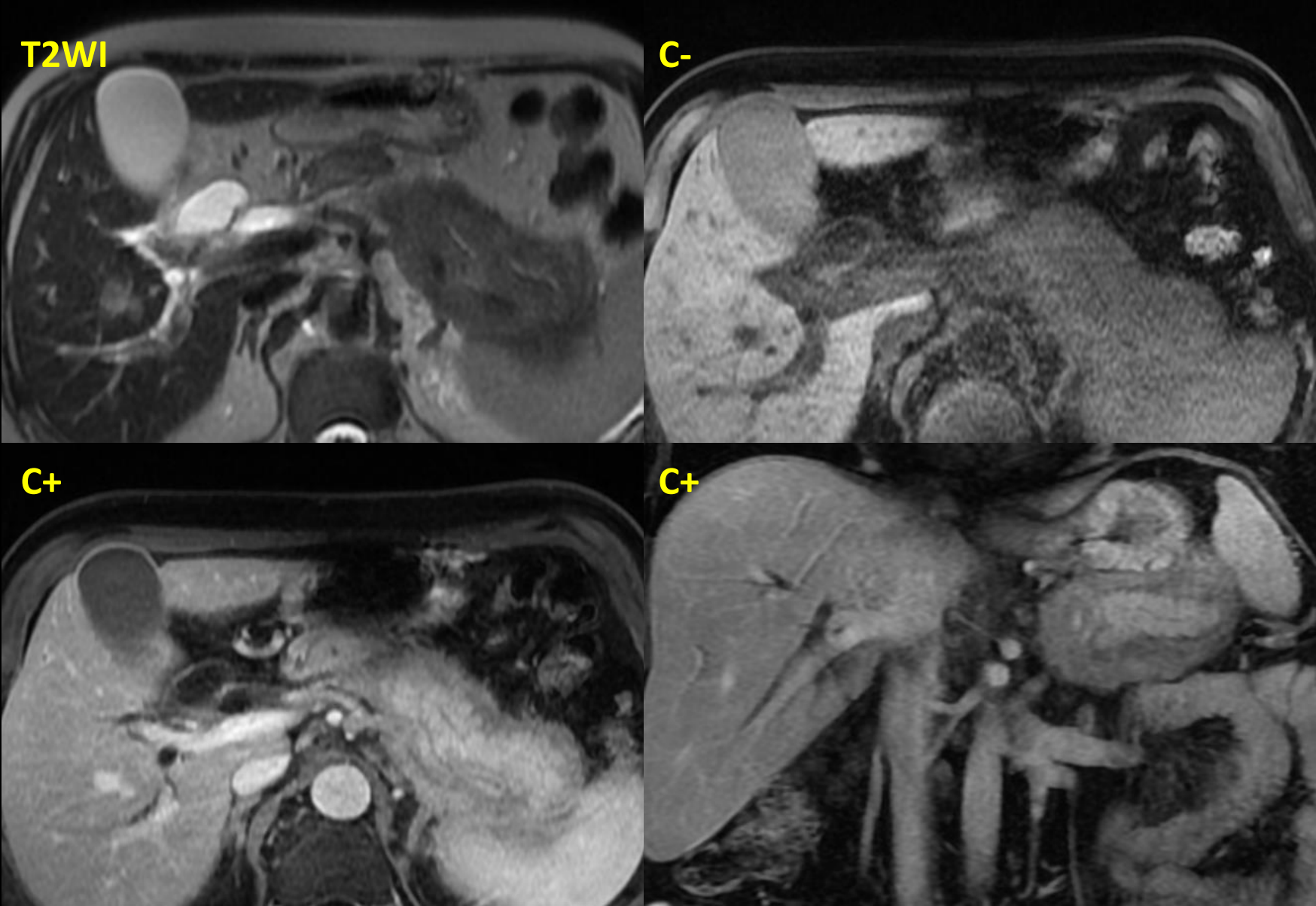
CT : Oblique coronal view

A21

Ans : Choledochoceles

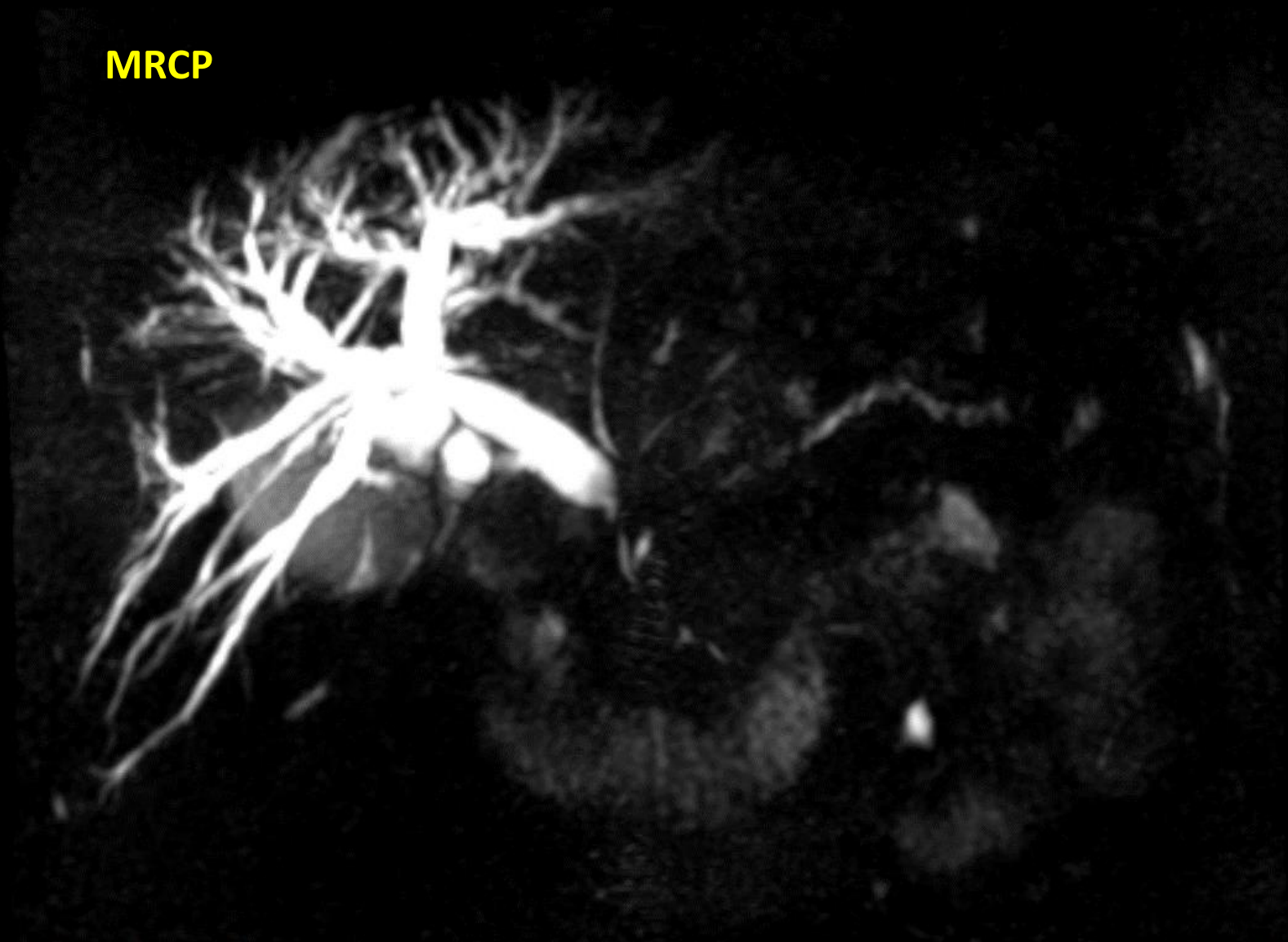
Q22-1

59 y/o male, abdominal pain and jaundice



Q22-2

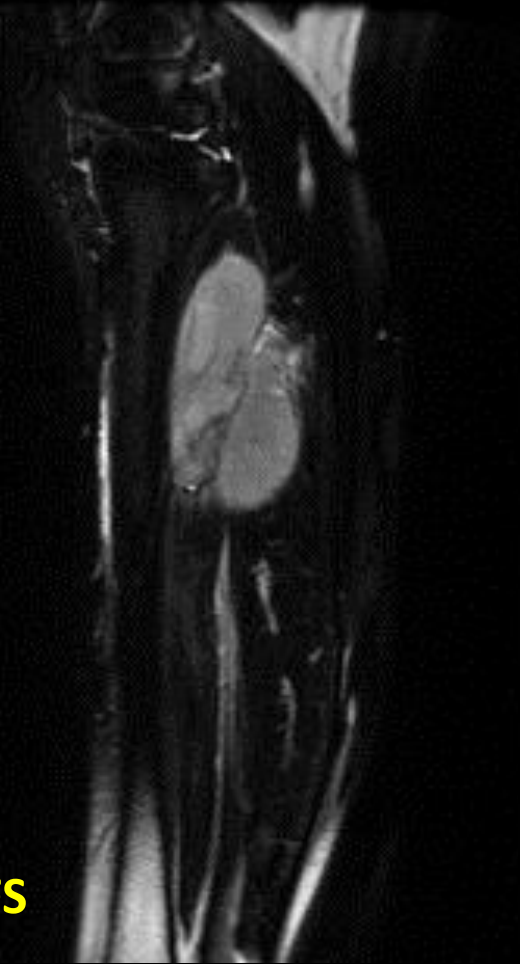
MRCP



Ans: Autoimmune pancreatitis

Q23-1

15 y/o male, huge solid mass over right lower leg

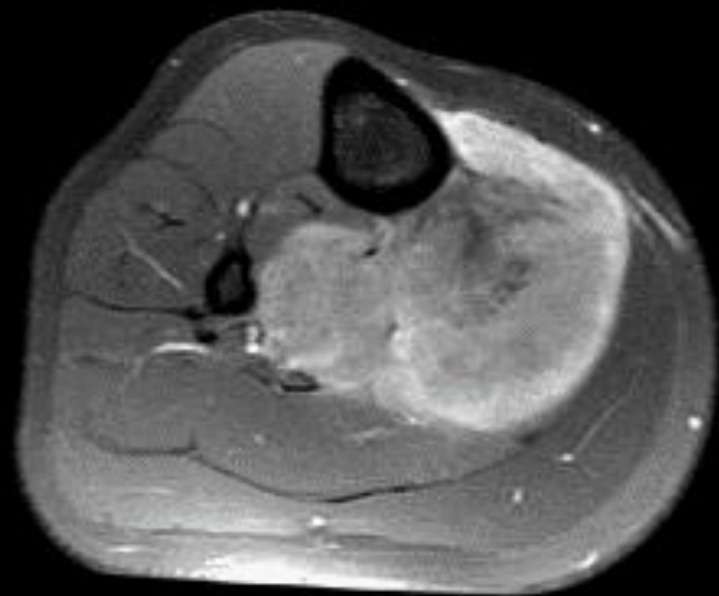
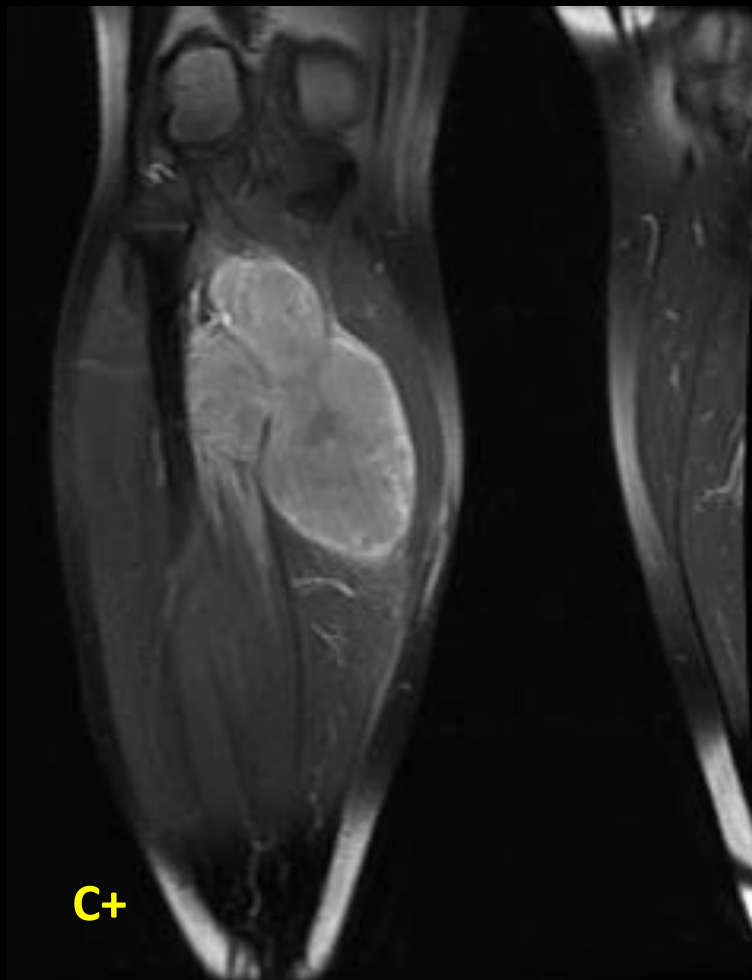


Sagittal T2+FS



Axial T1

Q23-2



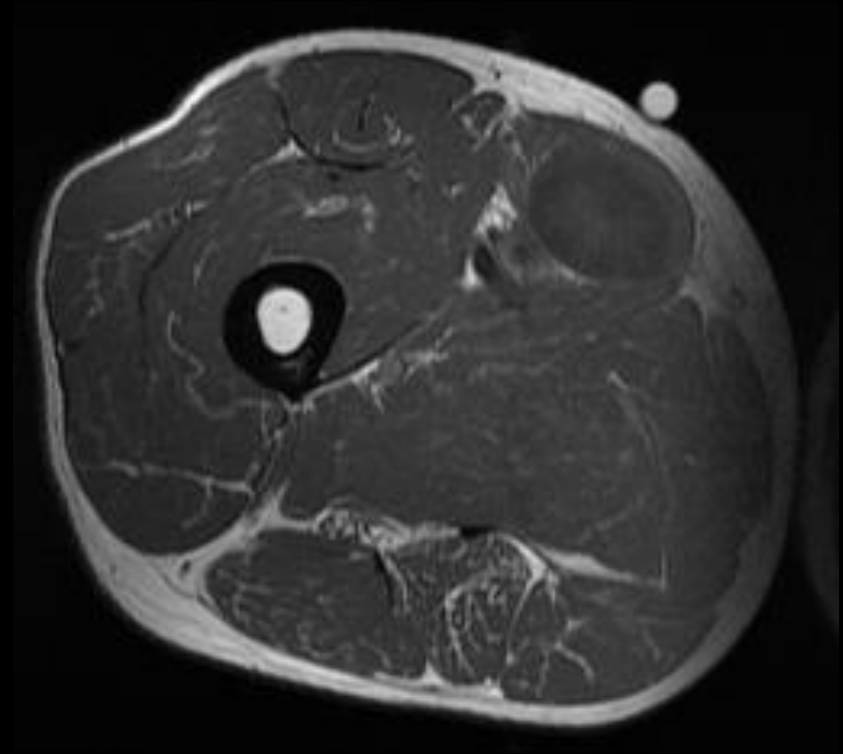
Ans: Primitive neuroectodermal tumor (PNET), right lower leg

Q24-1

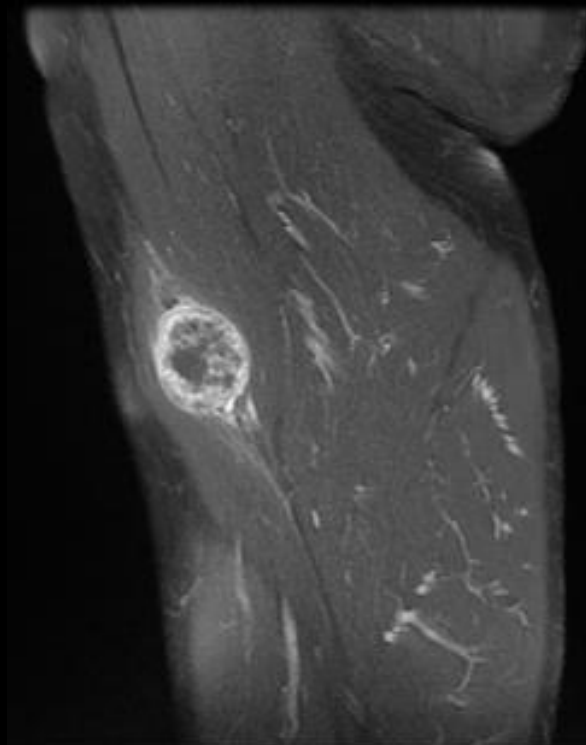
56 y/o male, right thigh painful mass for days,
this mass is noted for years but no pain



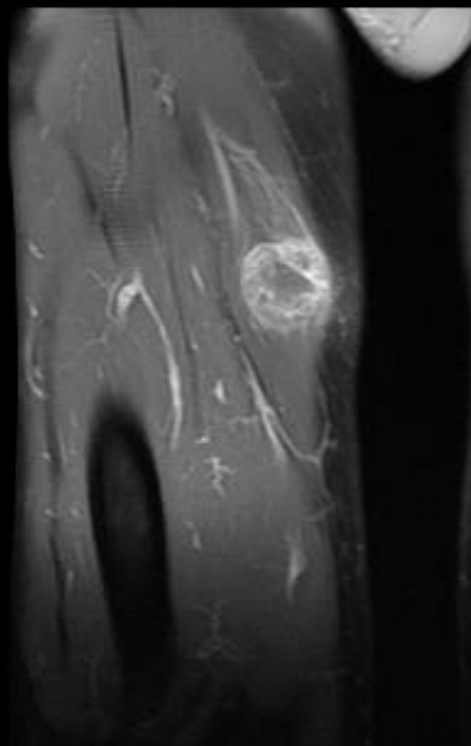
Sagittal T2 with FS



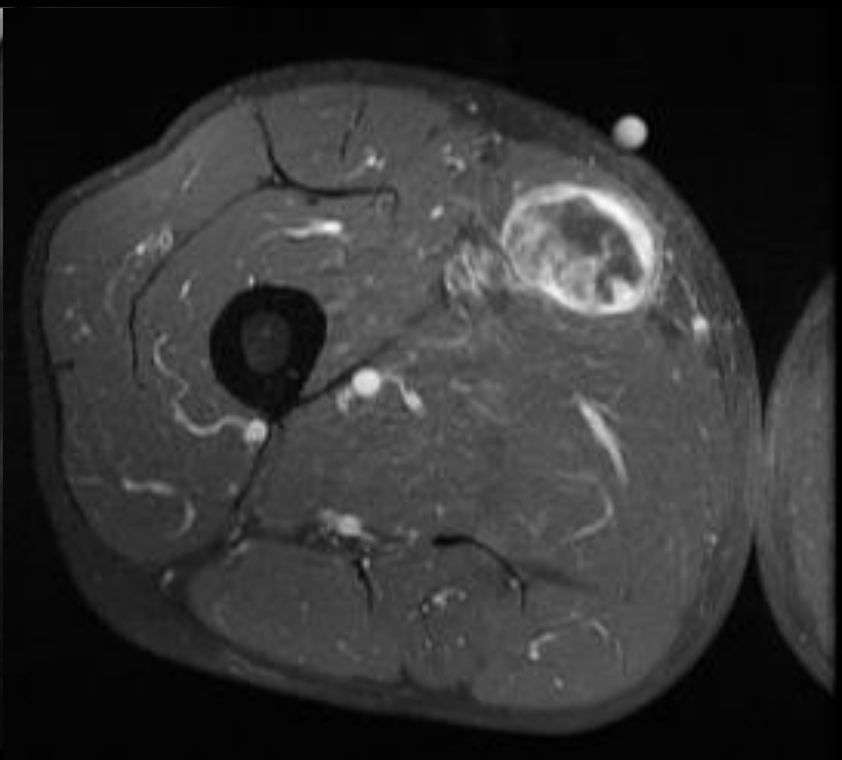
Axial T1



Sagittal T1+C



Coronal T1+C



Axial T1+C

Ans:

Pleomorphic leiomyosarcoma, right thigh

Q25

18 y/o male, left wrist pain at radial aspect for weeks.

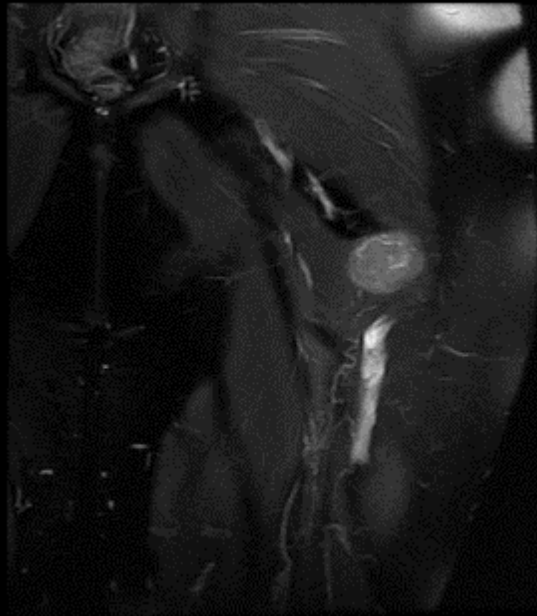


Ans:

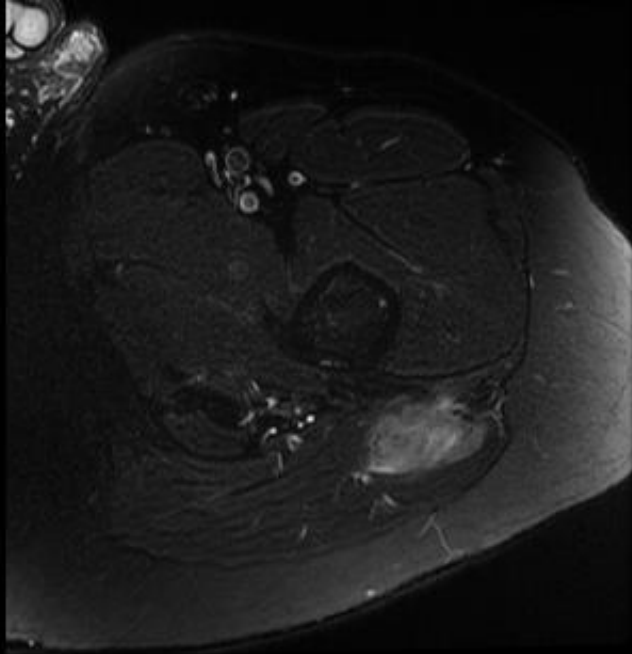
Giant cell tumor of bone, left distal radius

Q26-1

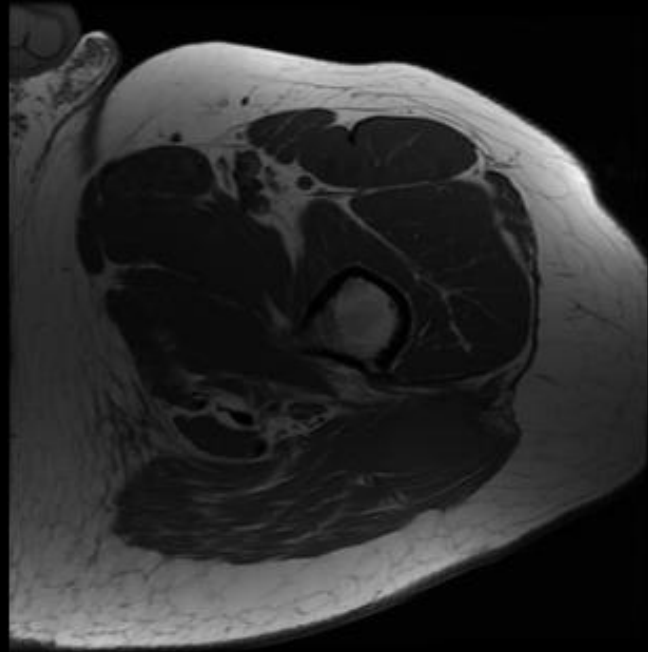
26 y/o male, left thigh mass with painful
sensation in sitting position



Coronal T2FS

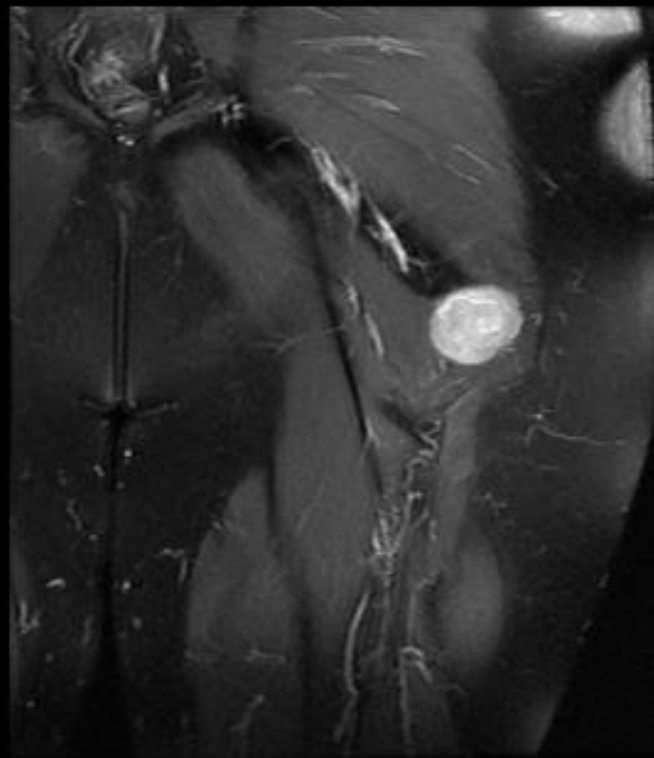


Axial T2FS

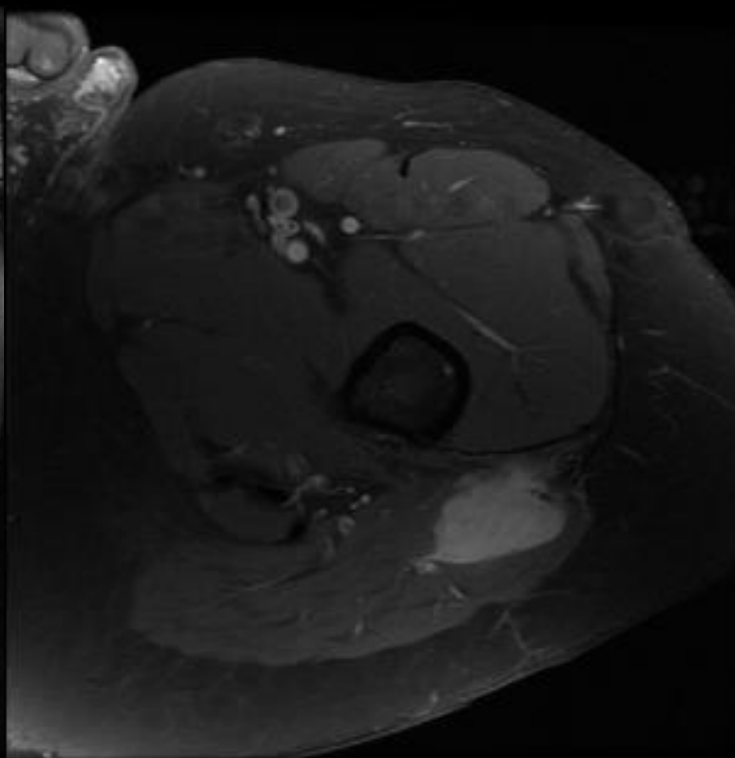


Axial T1

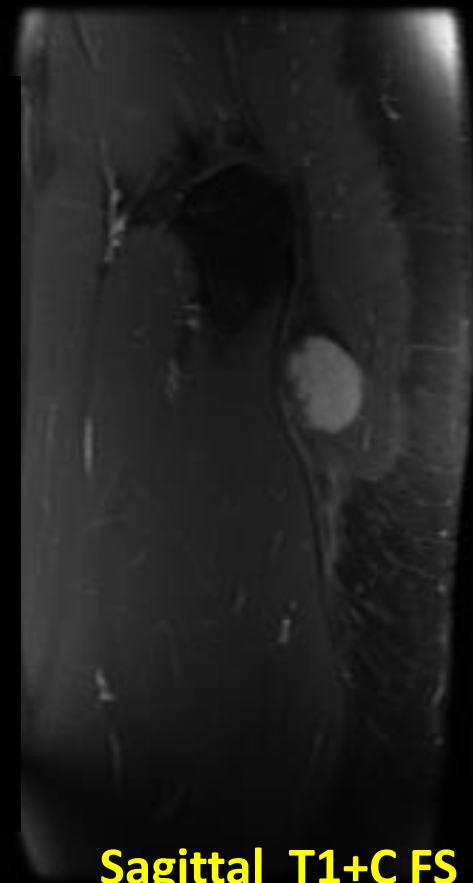
Q26-2



Coronal T1+C FS



Axial T1+C FS



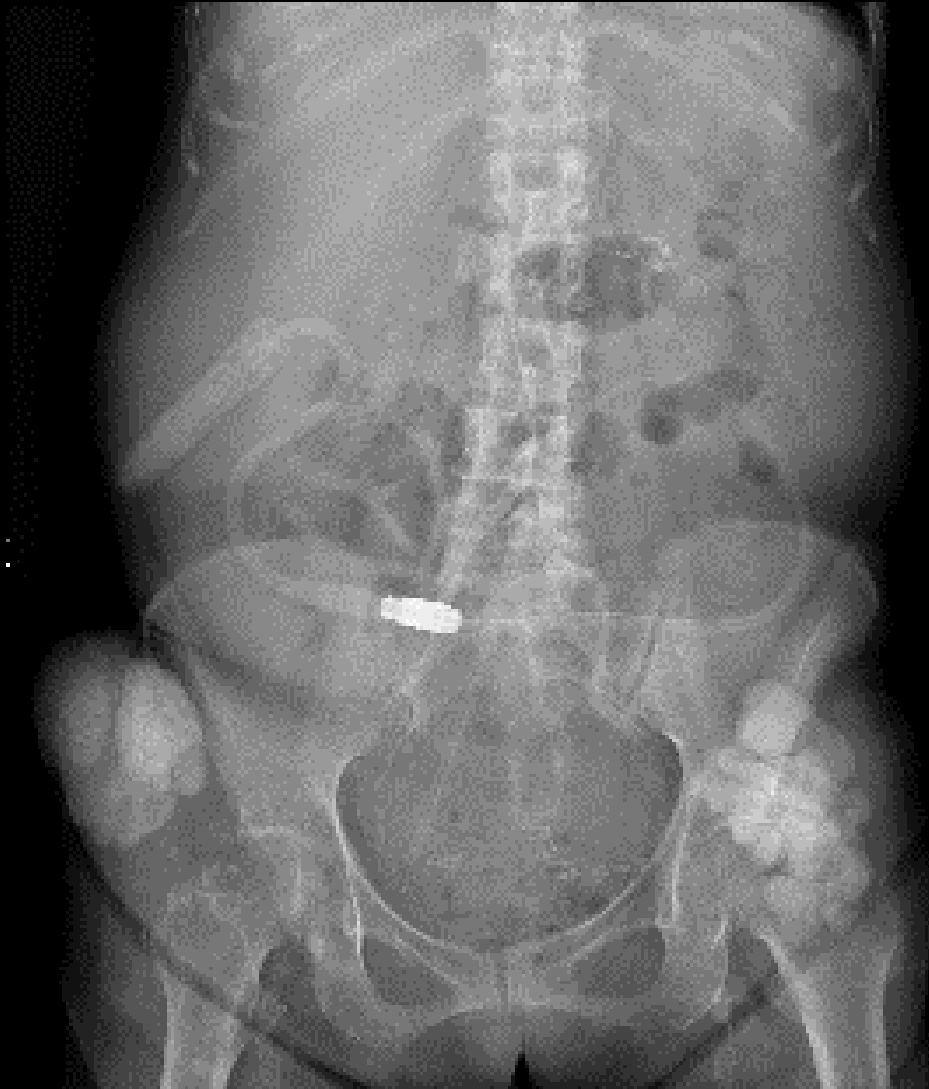
Sagittal T1+C FS

A26

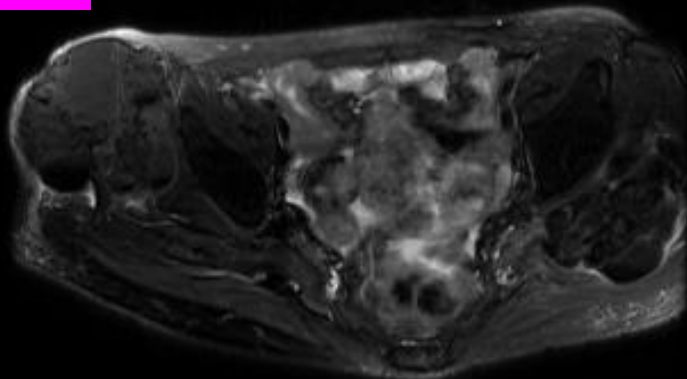
Ans: Fibroma, left thigh

Q27-1

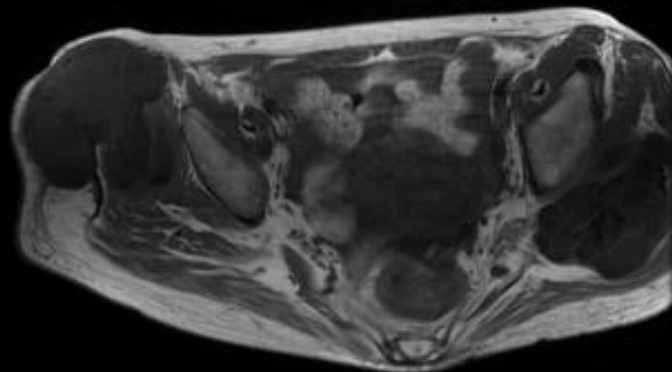
71 y/o female, History of end stage renal disease with peritoneal dialysis. R't hip mass with inguinal area pain in recents



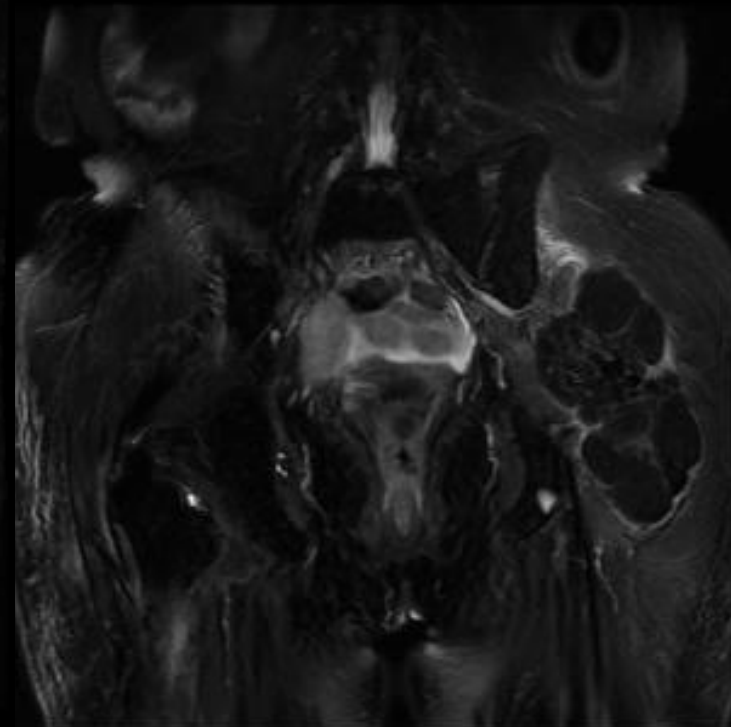
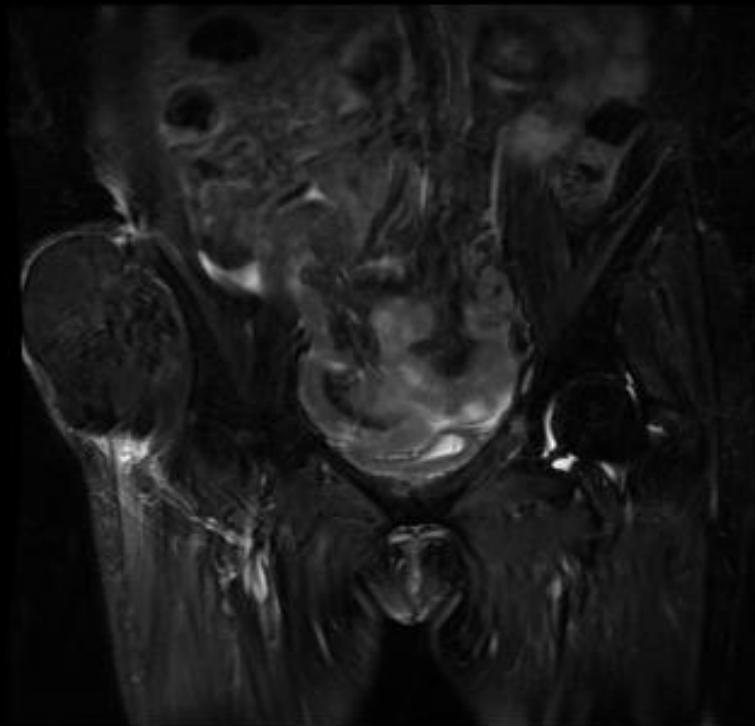
Q27-2



Axial T2FS



Axial T1



Coronal T2FS

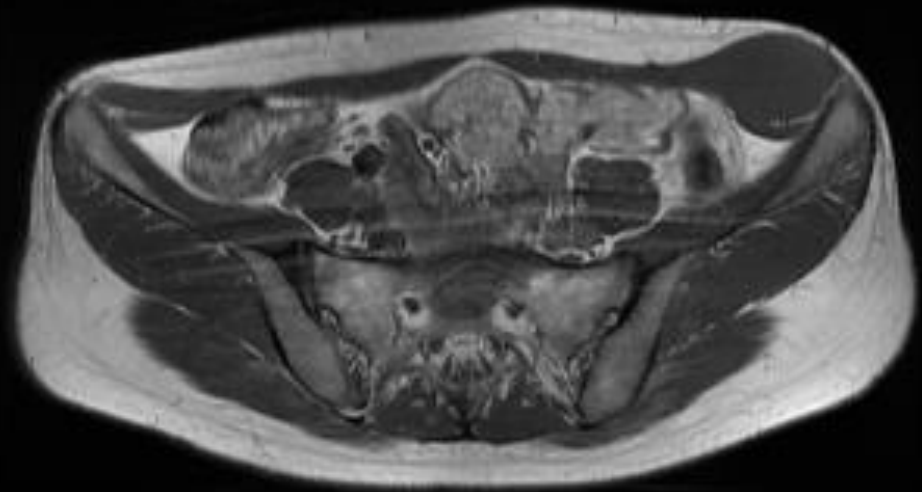
Ans: Tumoral calcinosis, right side of pelvis

Q28-1

27 y/o female, found a painless mass over left lower abdomen for about two months

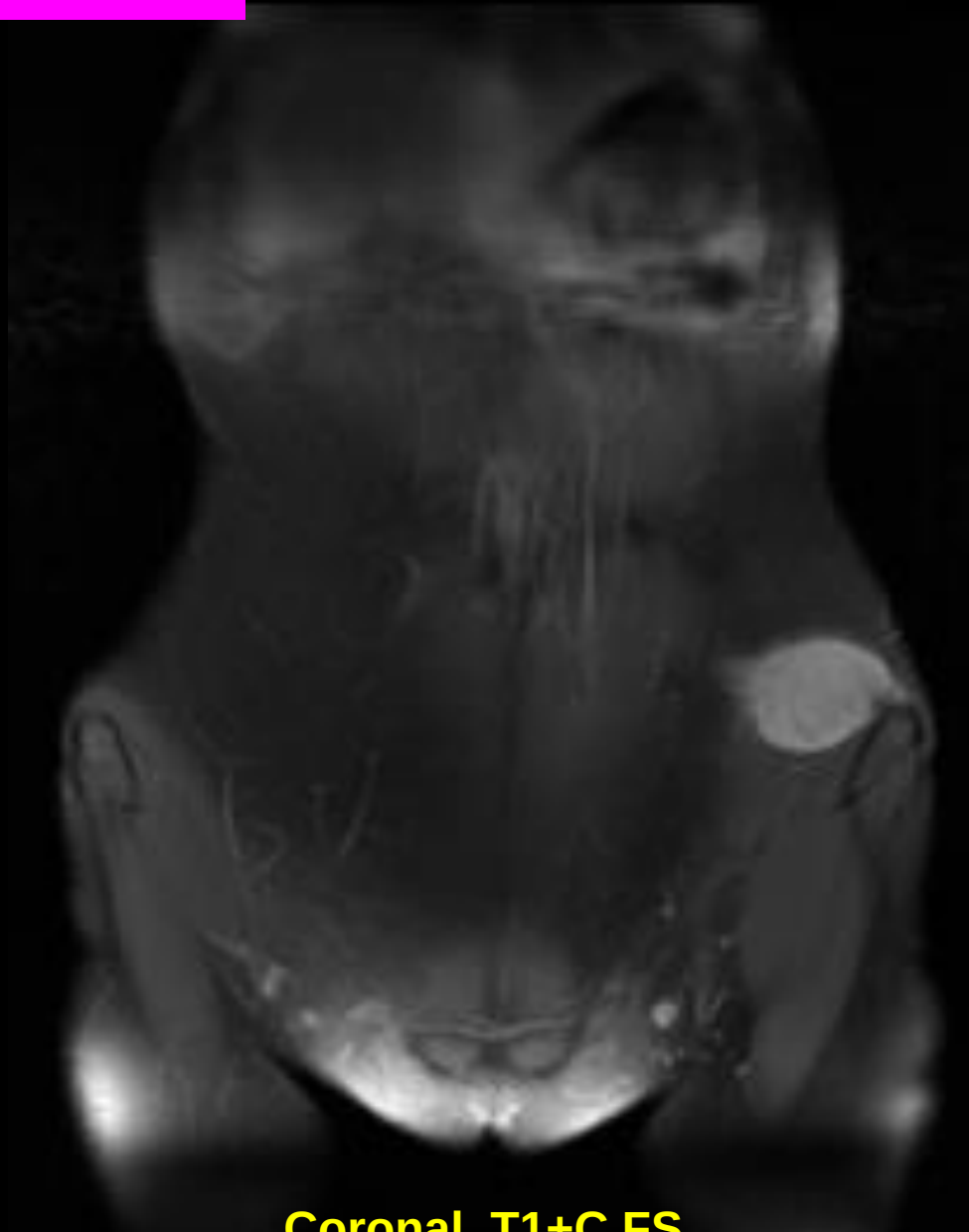


Axial T2 FS

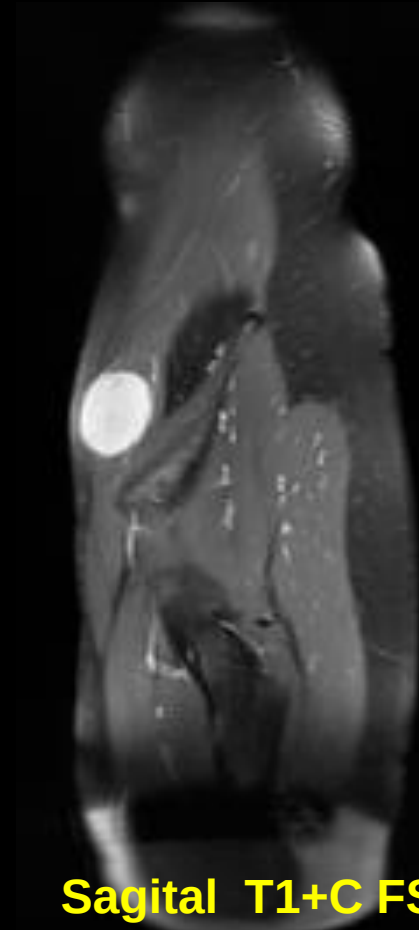


Axial T1

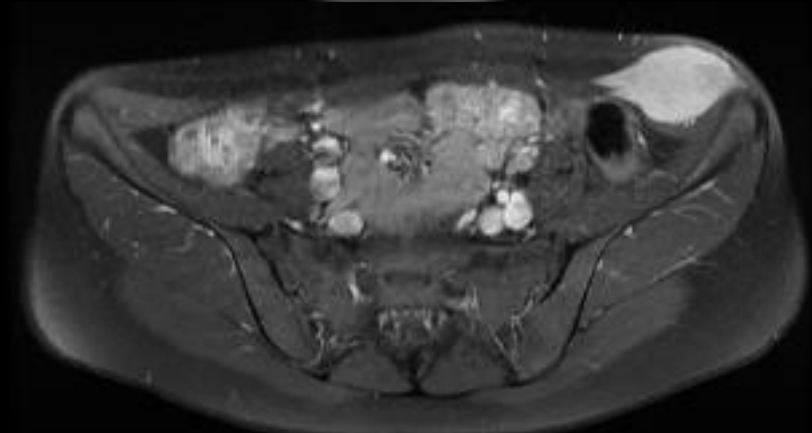
Q28-2



Coronal T1+C FS



Sagittal T1+C FS

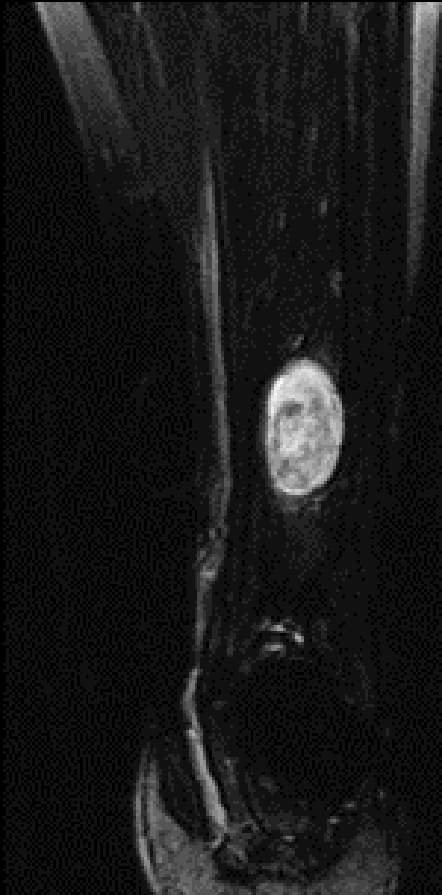


Axial T1+C FS

Ans: Desmoid tumor, left lower abdomen

Q29-1

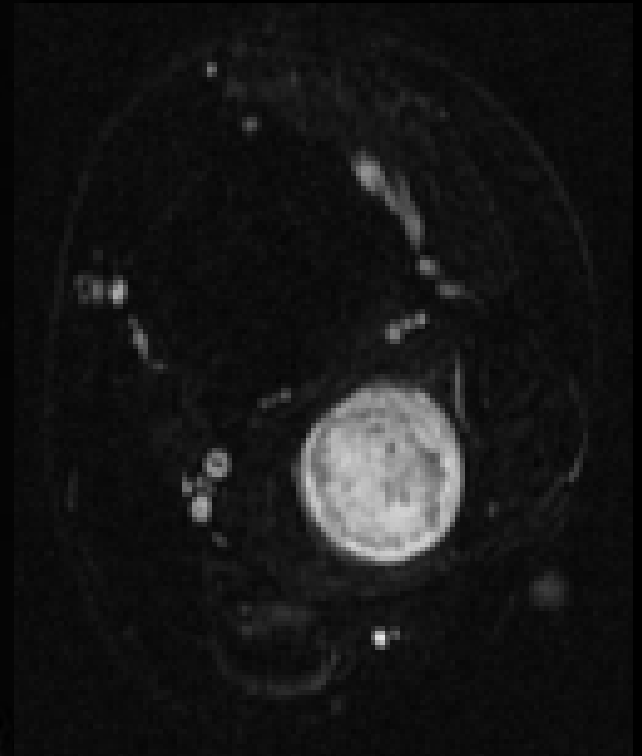
34 y/o female, left lower leg mass noted for 4 months, pain off and on



Coronal T2 FS

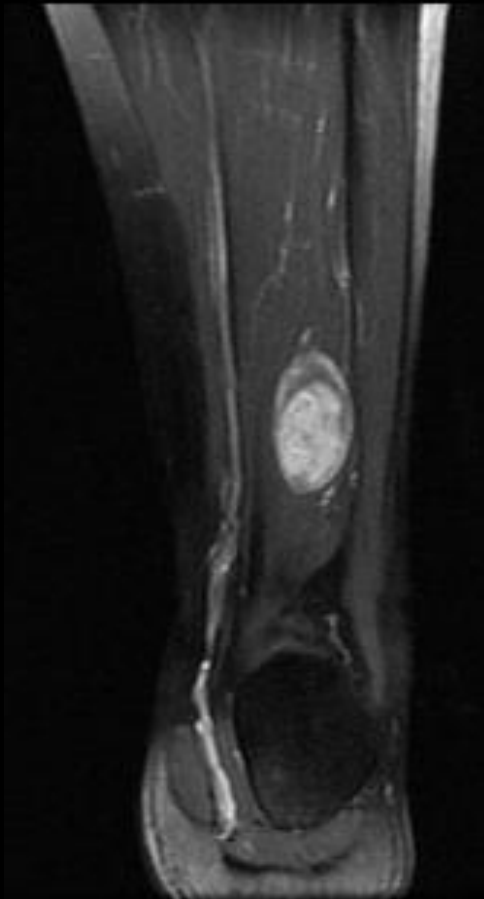


Sagittal T1



Axial T2 FS

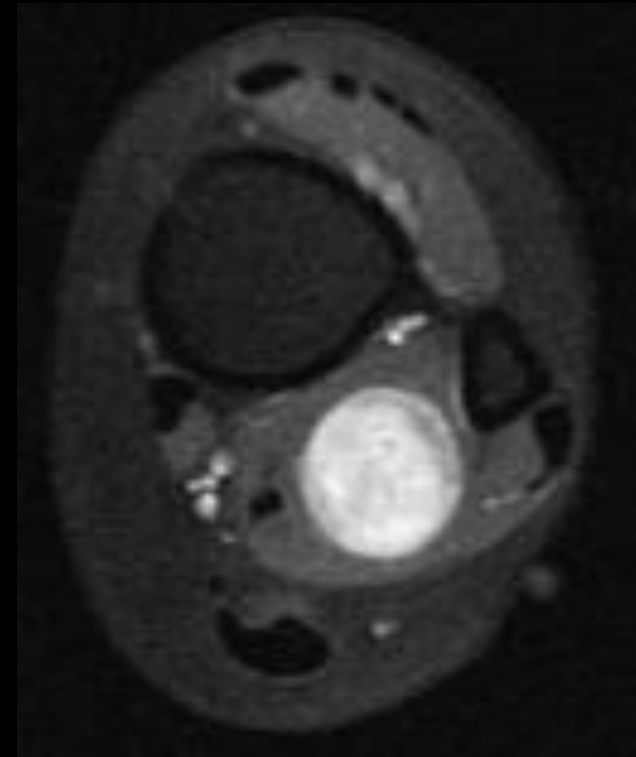
Q29-2



Coronal T1+C FS



Sagittal T1+C FS



Axial T1+C FS

Ans: Schwannoma, left lower leg

Q30-1

54 y/o female, a large tumor over right lower leg for long time with persistent numbness and pain, history of neurofibroma S/P surgical removal

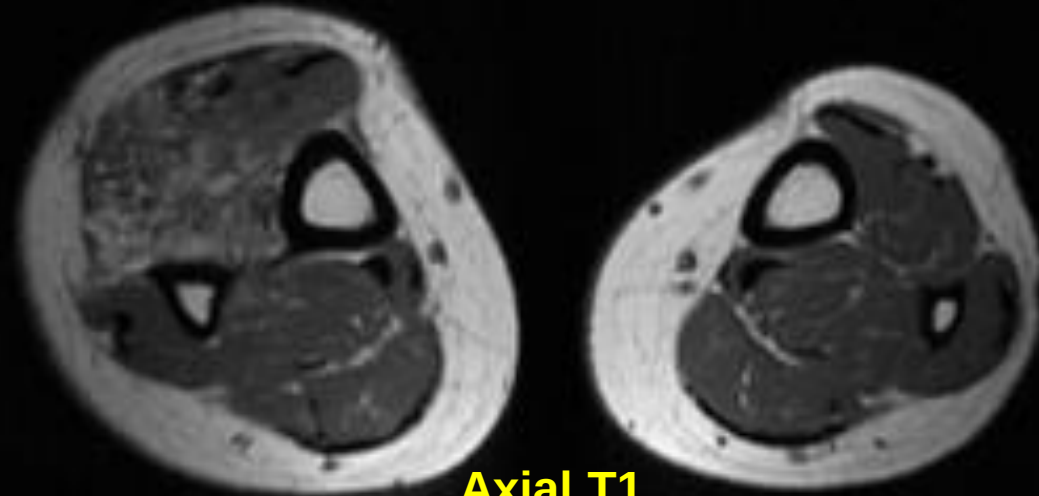


NECT

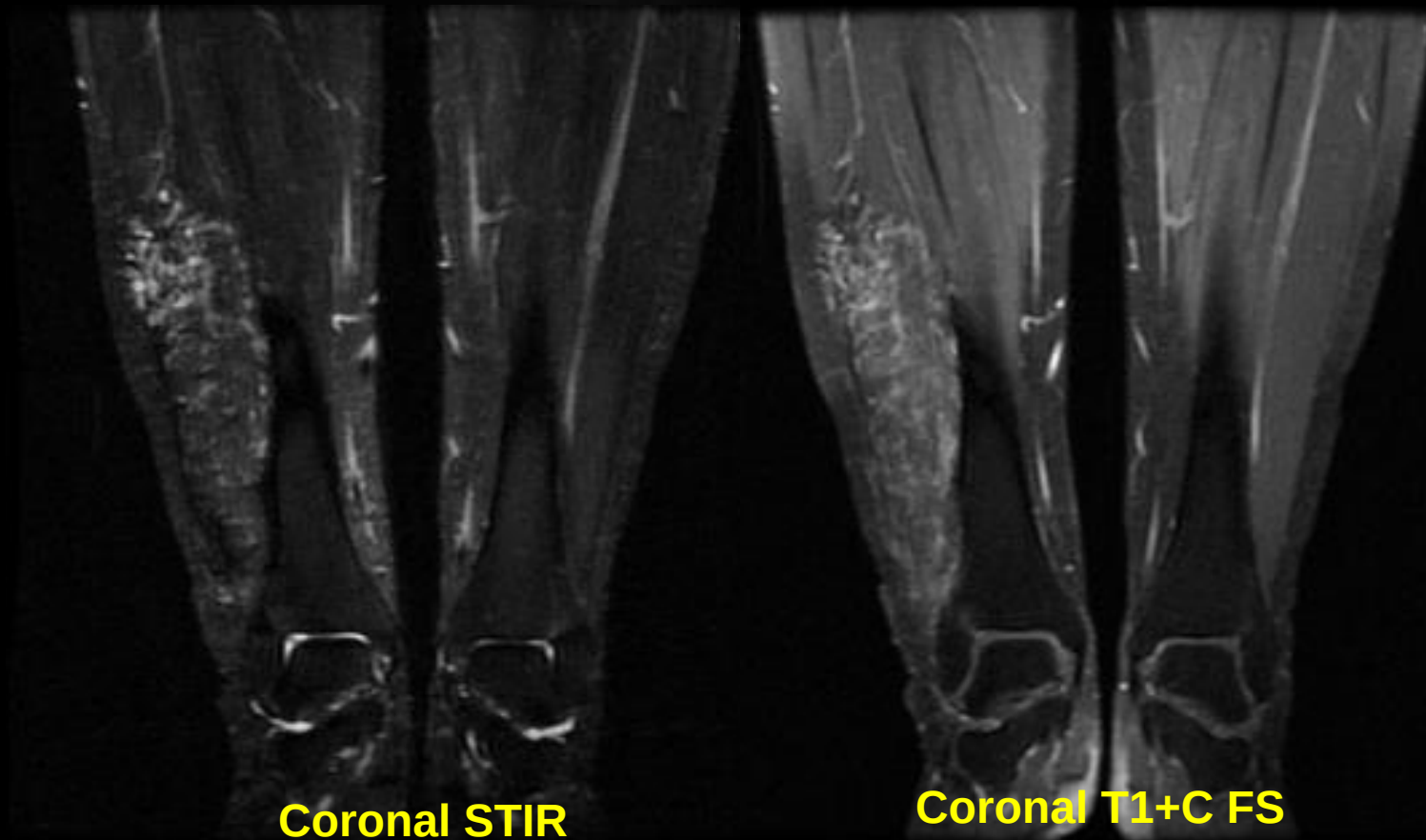


CECT

Q30-2



Axial T1



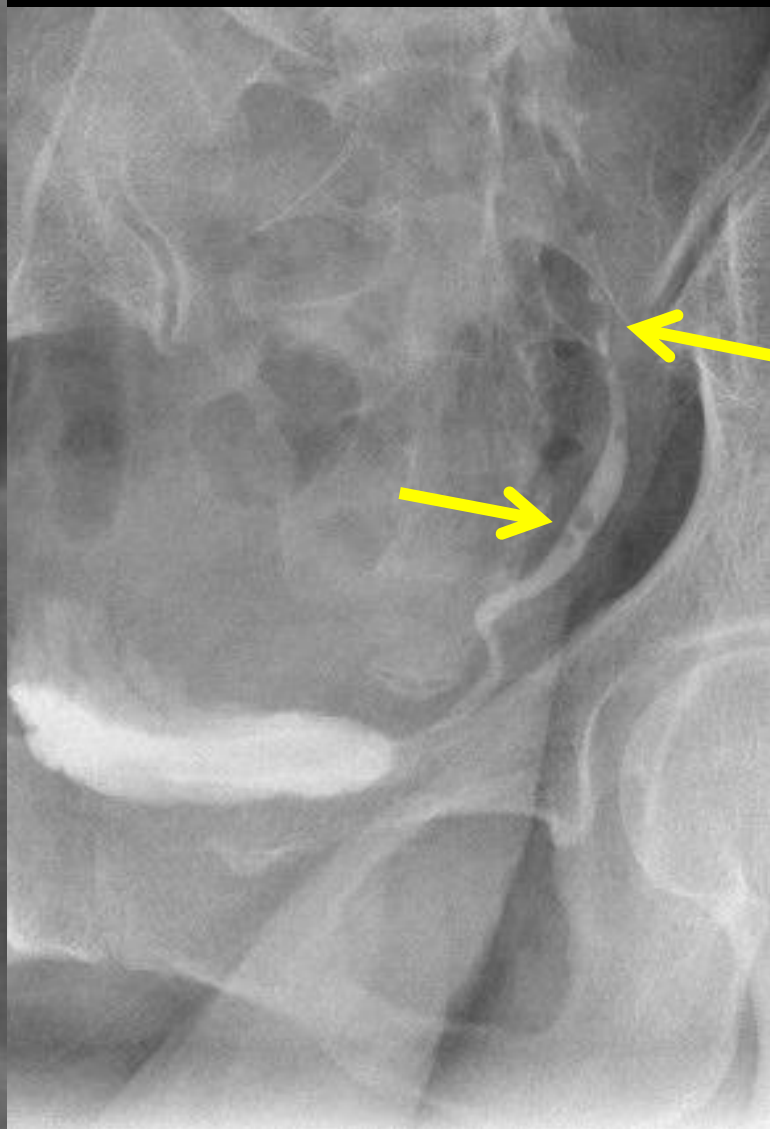
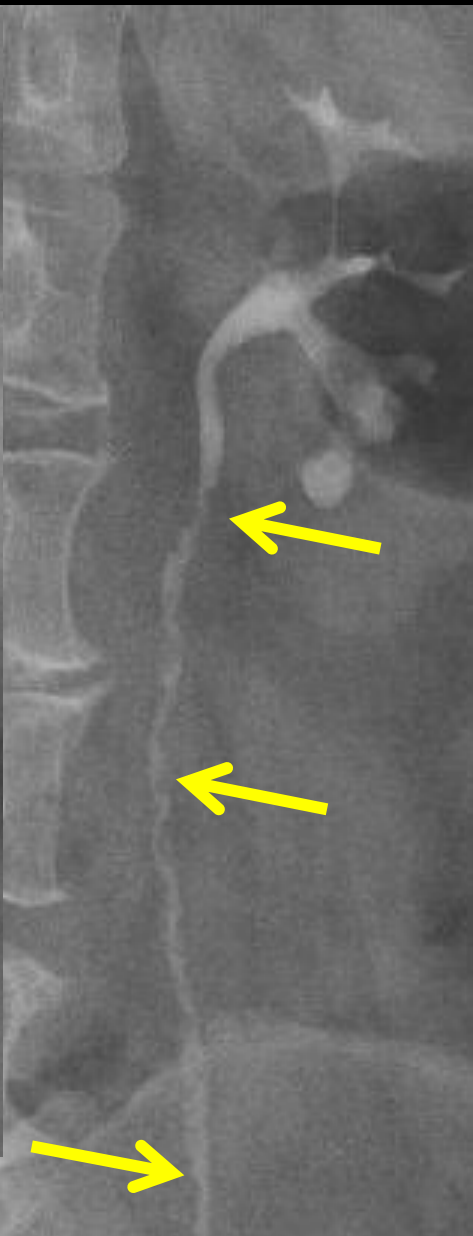
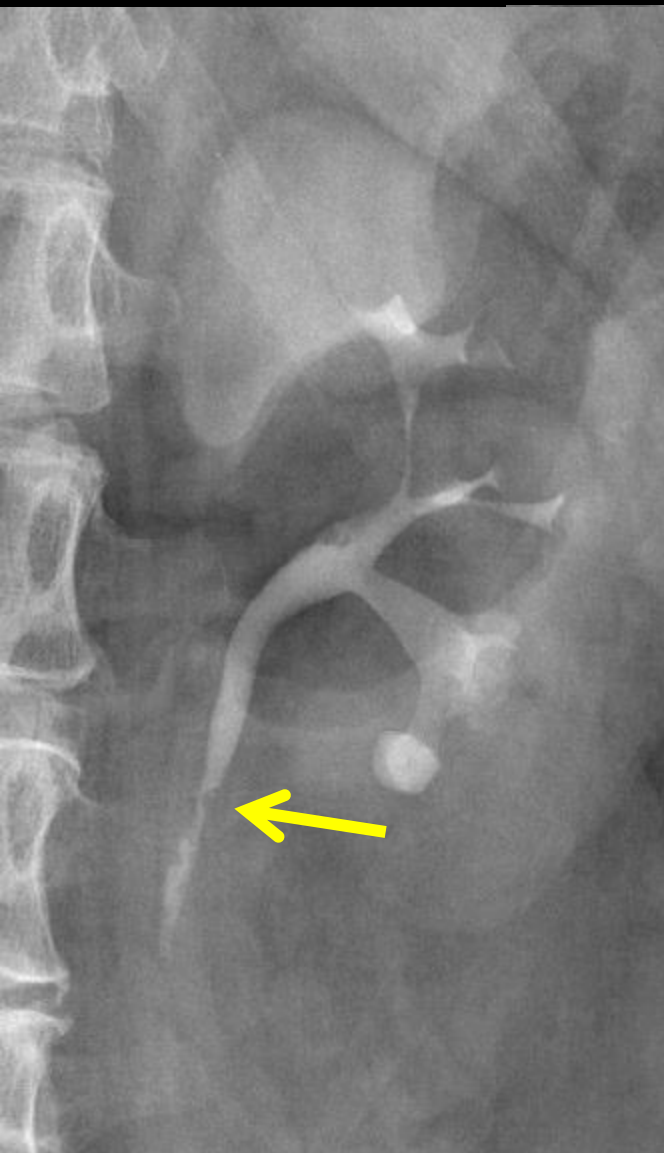
Coronal STIR

Coronal T1+C FS

Ans: Schwannoma, left thigh

Q31

51y/o female, Asymptomatic
What is the impression (arrow) ?



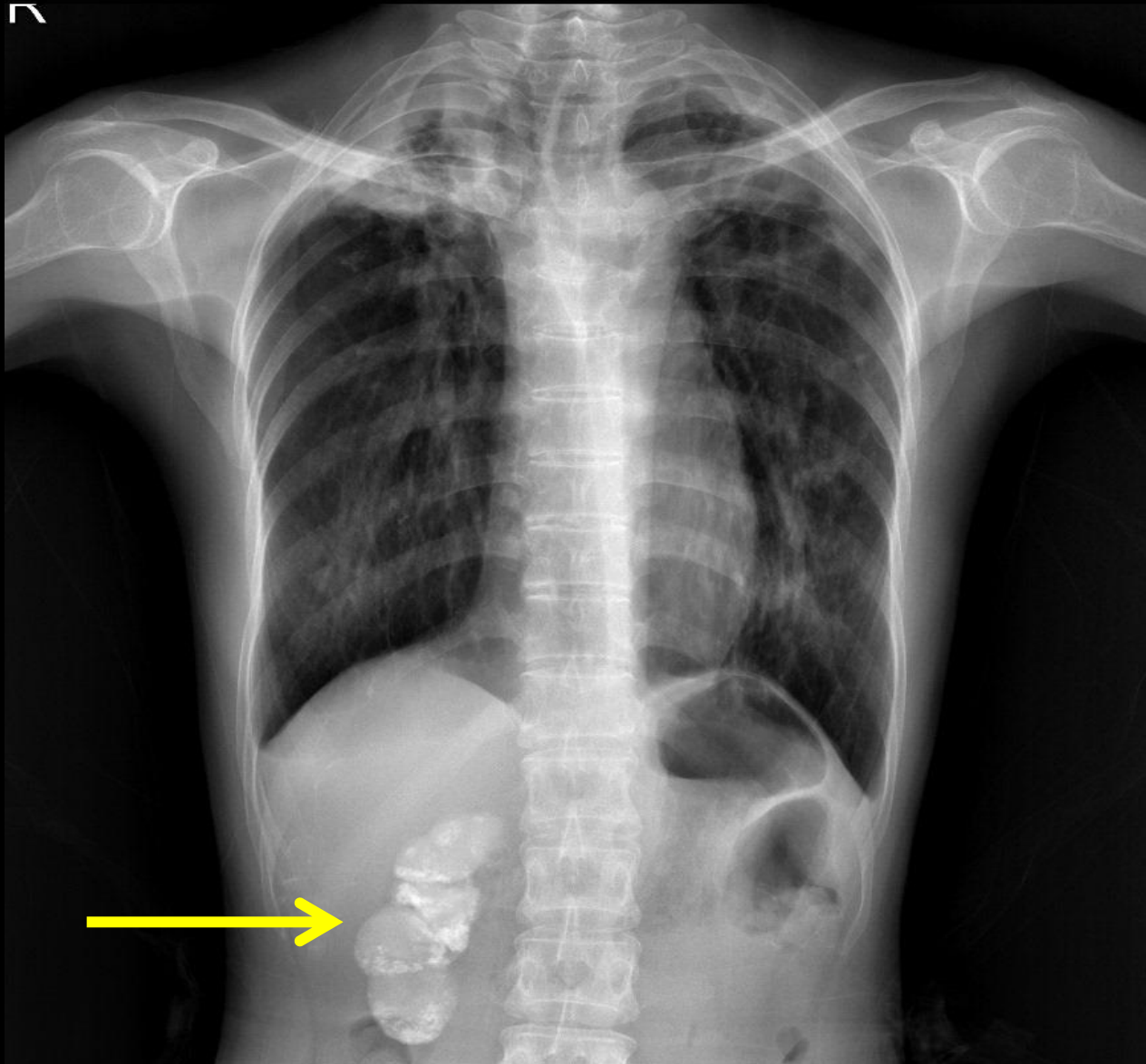
IVP

A31

Ans: Ureteritis cystica

Q32

52y/o male, non-function right kidney
What is the impression (arrow) ?



A32

Ans : Renal tuberculosis

Q33

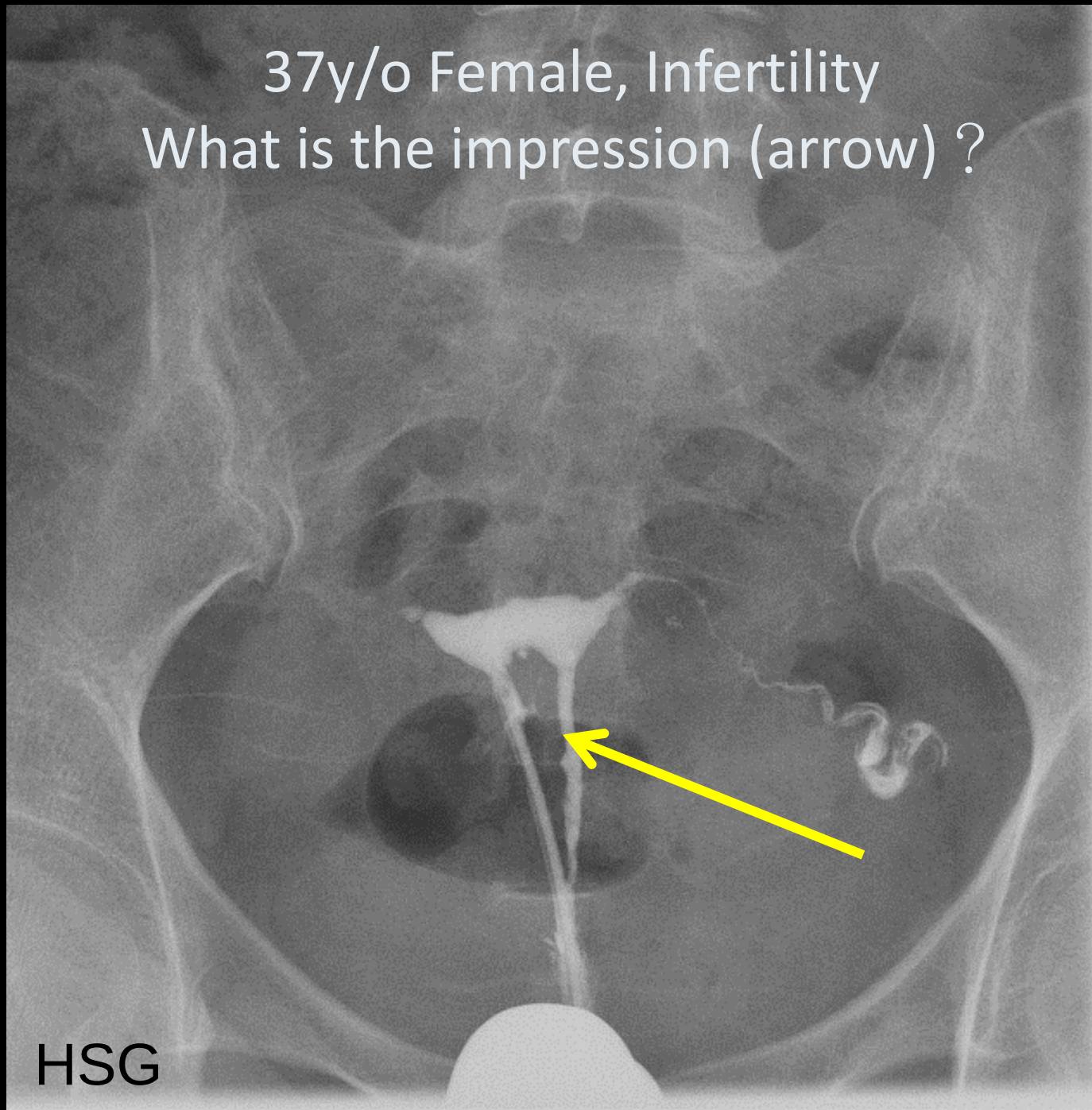
39y/o woman, hematuria



Ans: Calyceal diverticulum with stones,
right kidney

Q34

37y/o Female, Infertility
What is the impression (arrow) ?



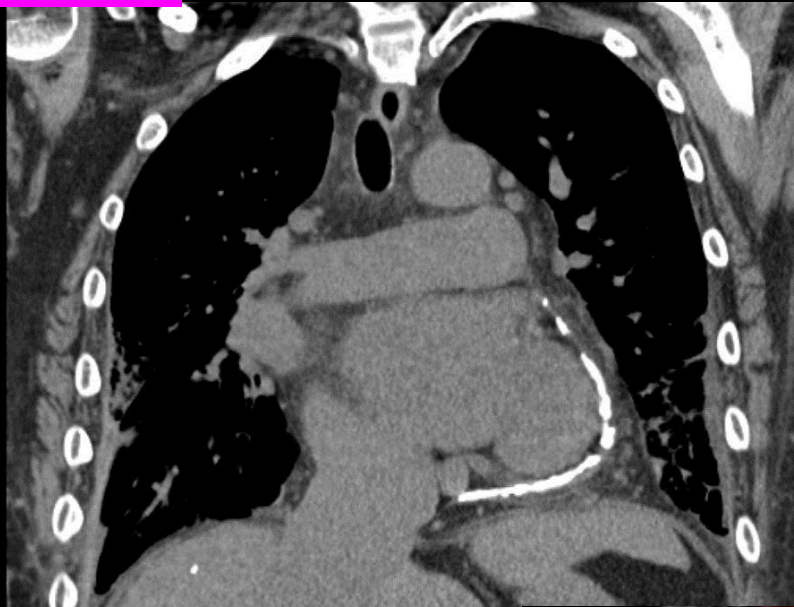
HSG

A34

Ans : Synechiaie

Q35

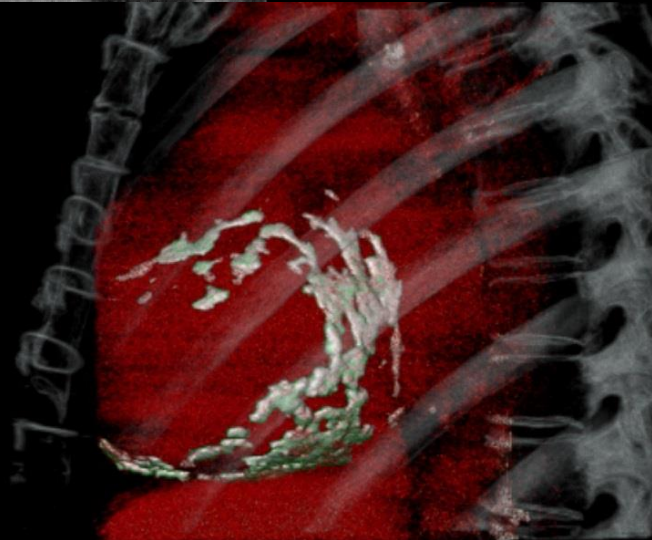
50 y/o female



**NECT
coronal view**



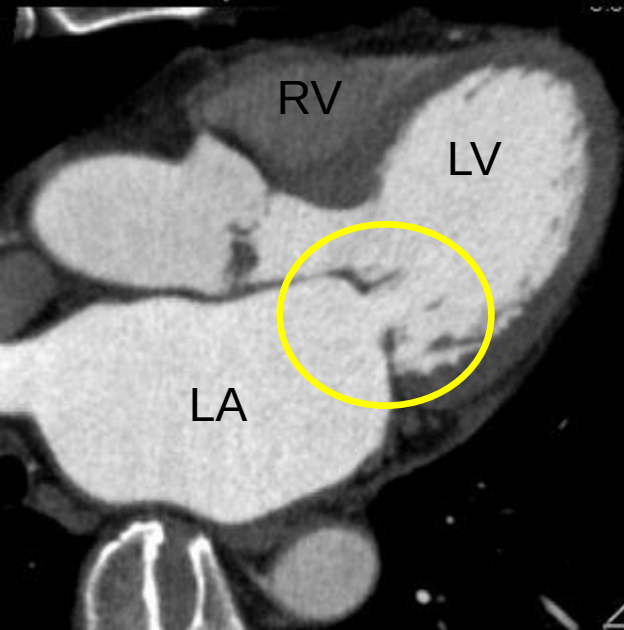
**NECT
short axis view**



**NECT
volume rendering**

Ans: Constrictive pericarditis

62y/o male



**EKG-gated CECT
3 chamber view**



**EKG-gated CECT
2 chamber view**

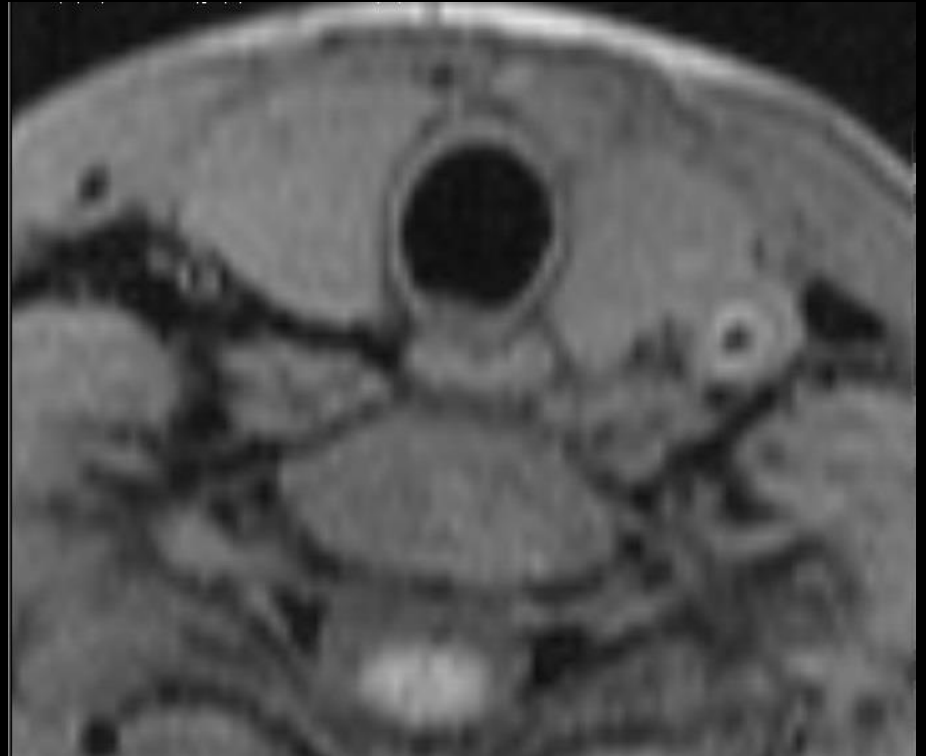
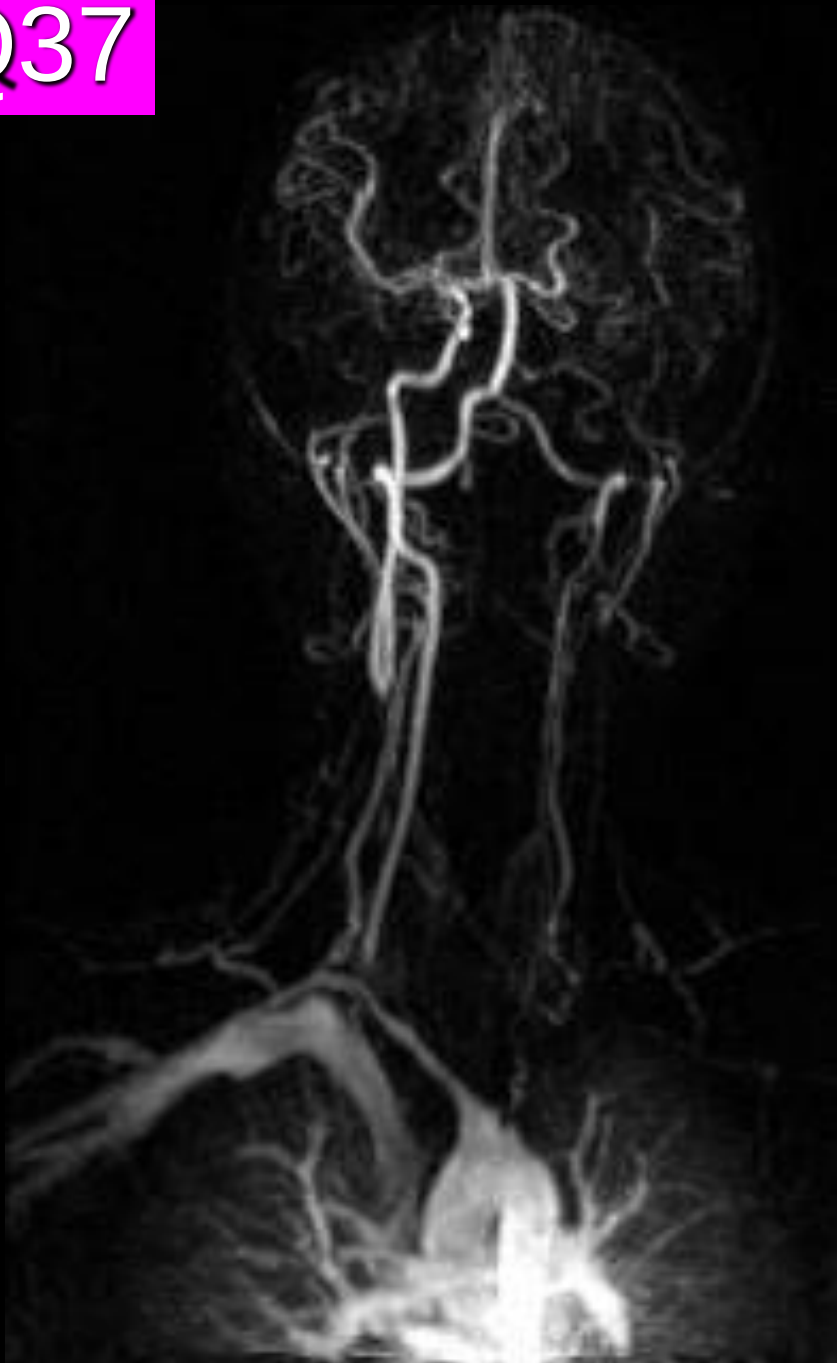


**EKG-gated CECT
short axis view**

Ans:

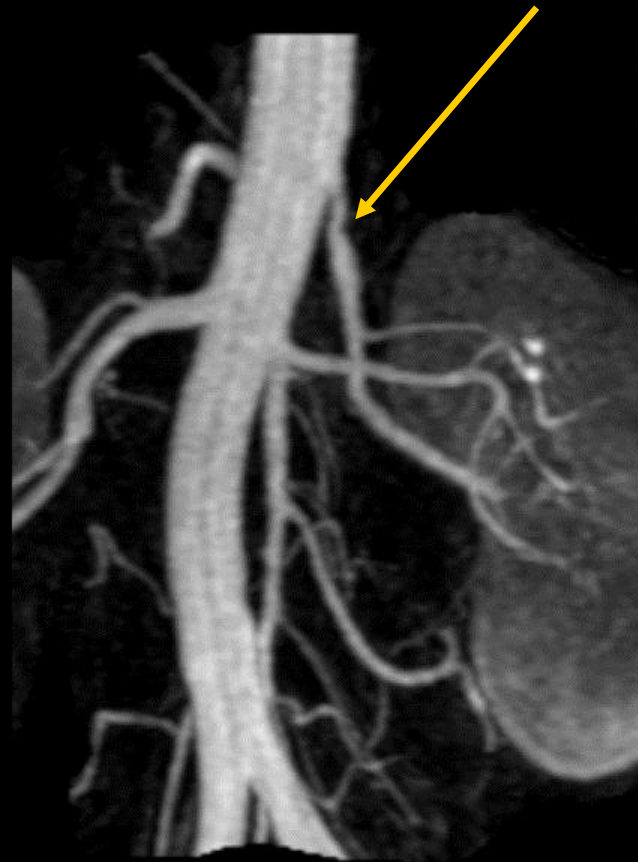
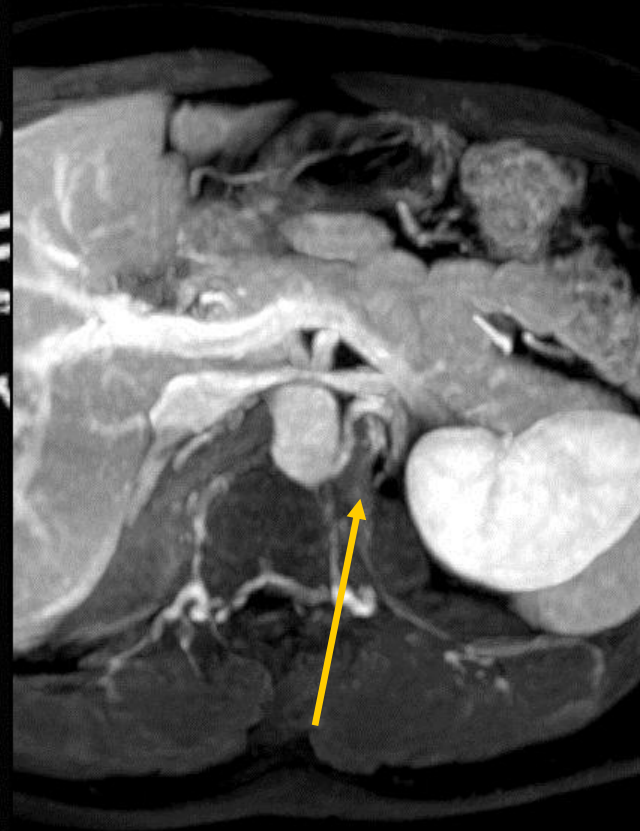
Rheumatic heart disease (with mitral stenosis and LA dilatation)

Q37



Female, middle age

Ans: Takayasu's arteritis

Q38**50 y/o male, Hypertension****Left accessory renal artery stenosis****MRA_MIP****MRA_VR****CEMRI_
Oblique axial_
thick MIP**

Ans:

(Accessory) Renal artery entrapment syndrome

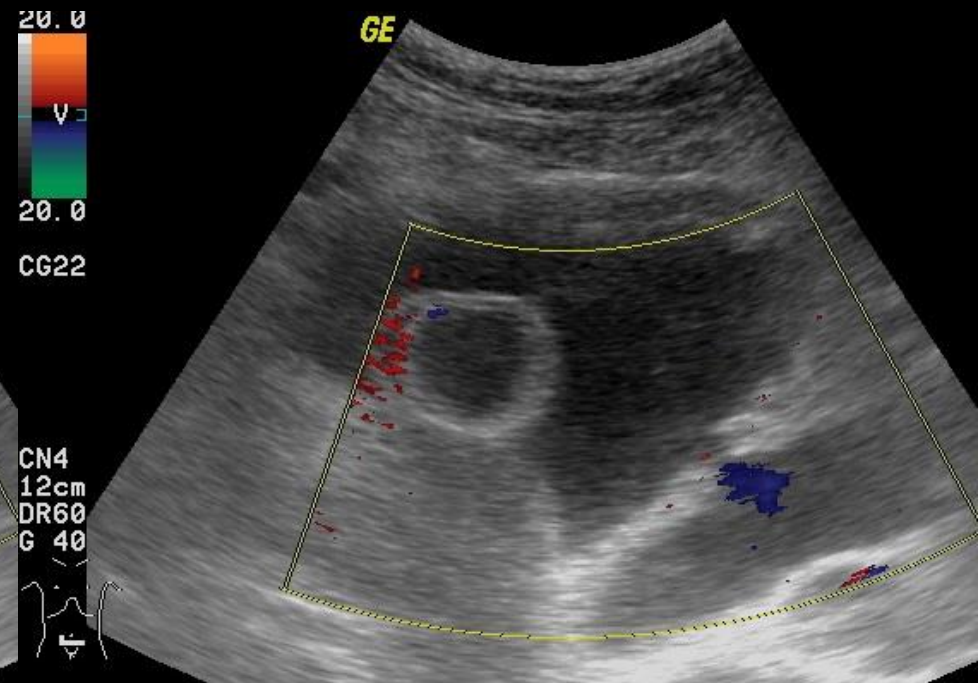
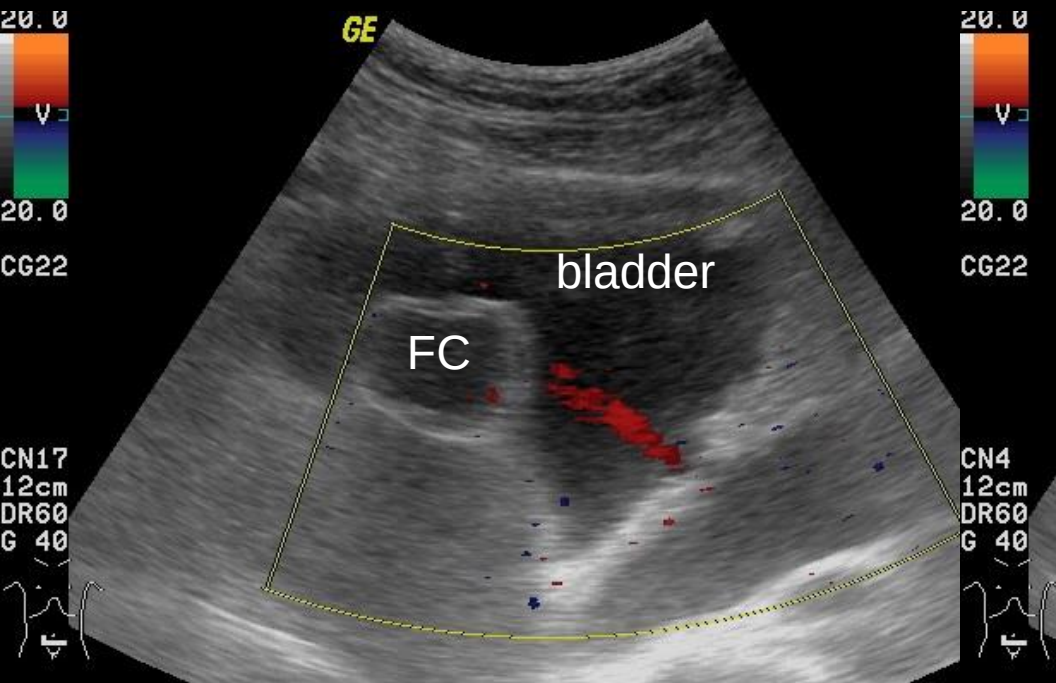
40y/o female, Hematuria



Ans: Nutcracker syndrome

Q40

77 y/o male, Acute urine retention, S/P Foley's catheter (FC)



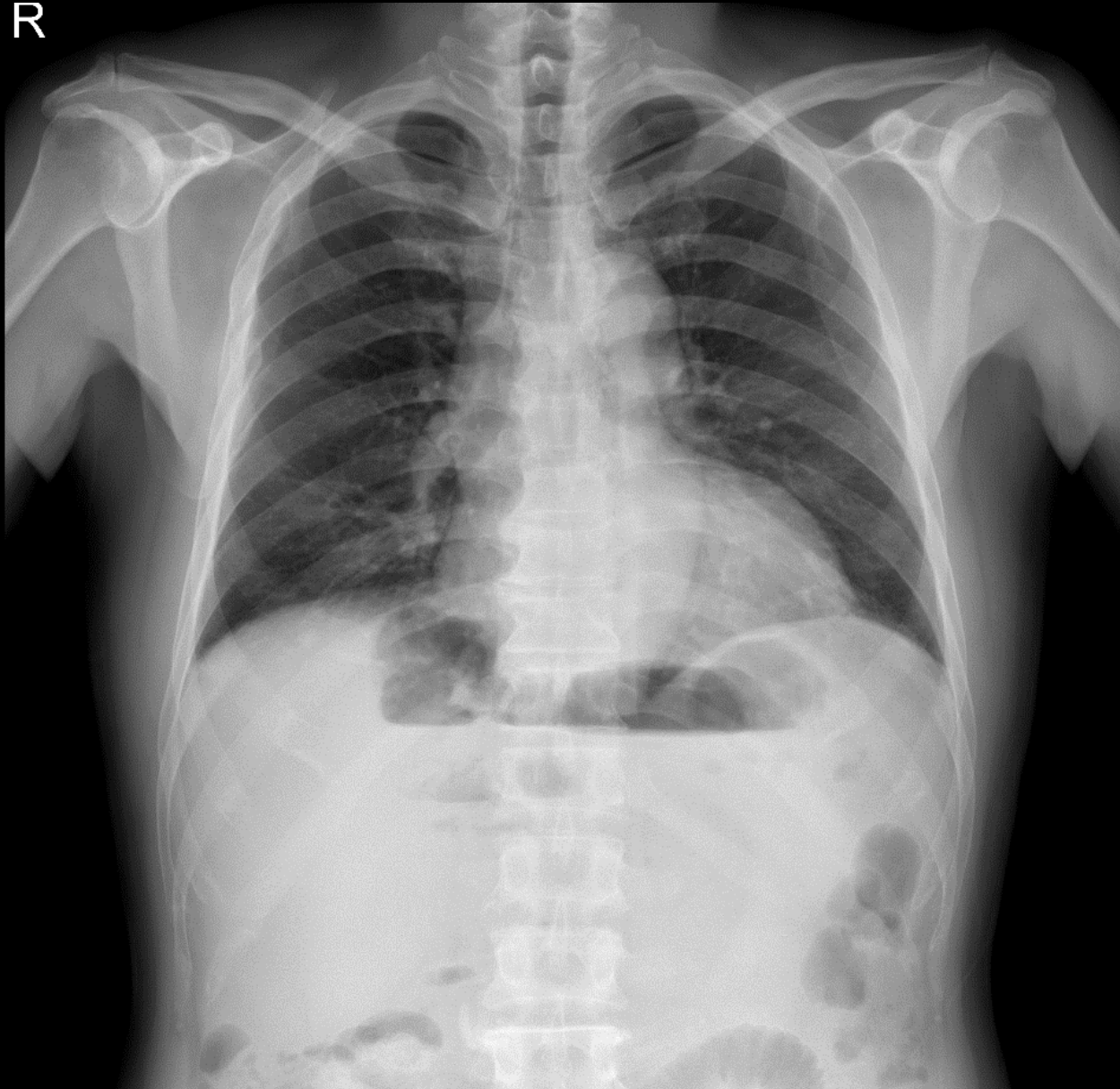
Ans: Bladder diverticulum

- To-and-fro urine flow pattern far away from bladder trigon

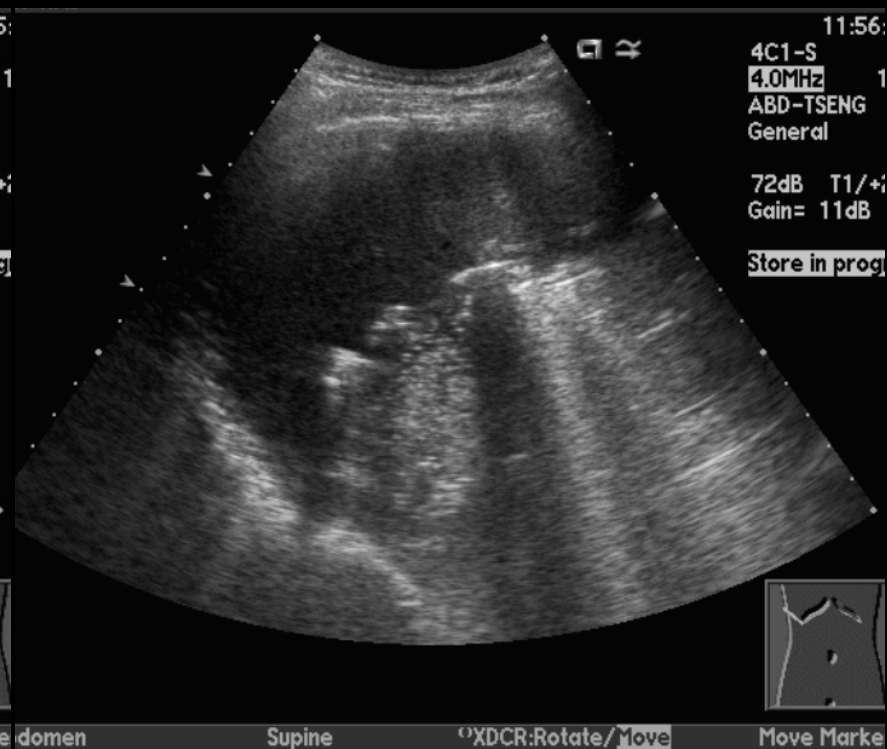
Q41-1

57 y/o male, Fever

R



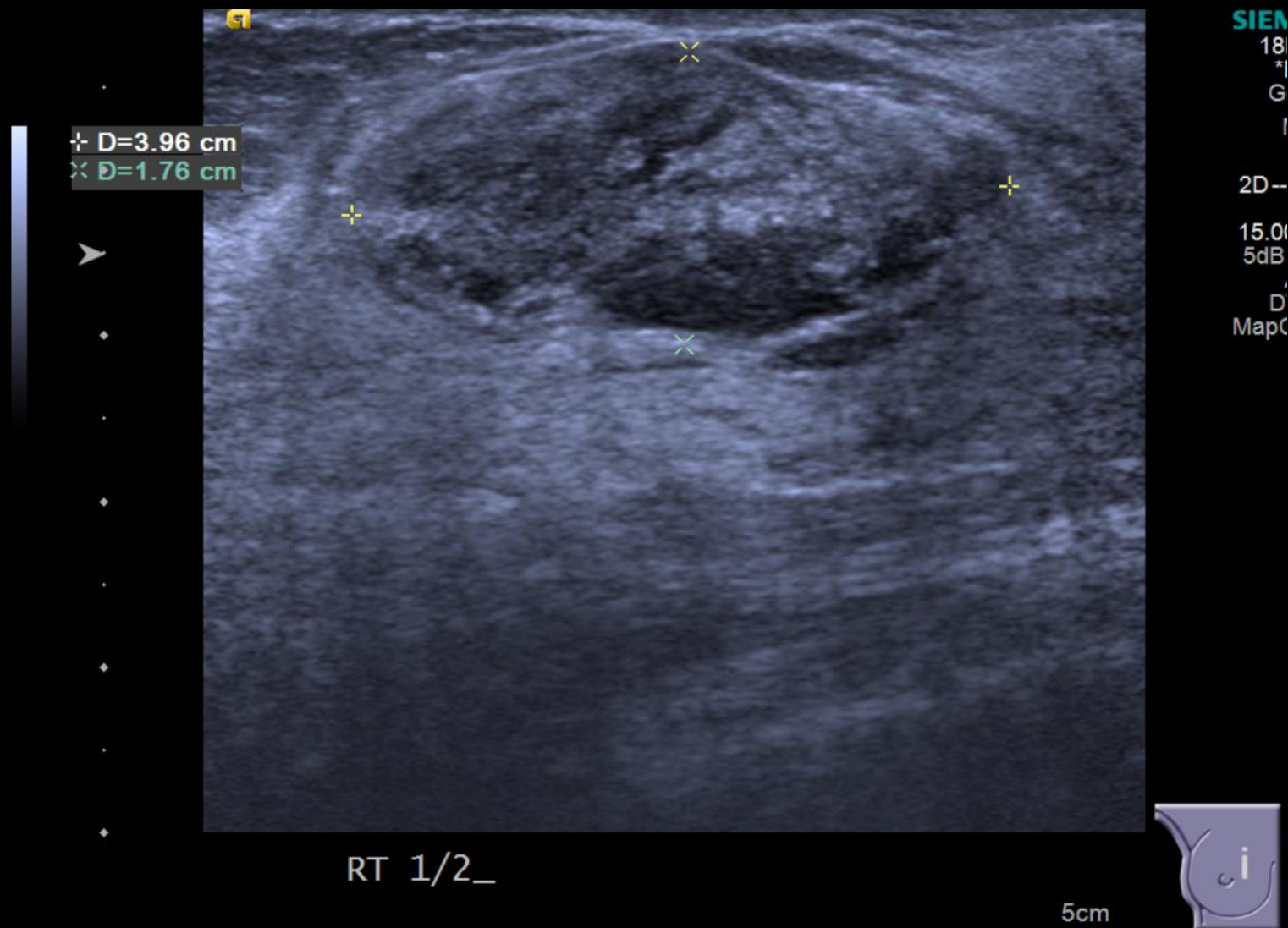
Q41-2



Ans: Gas-forming liver abscess

Q42

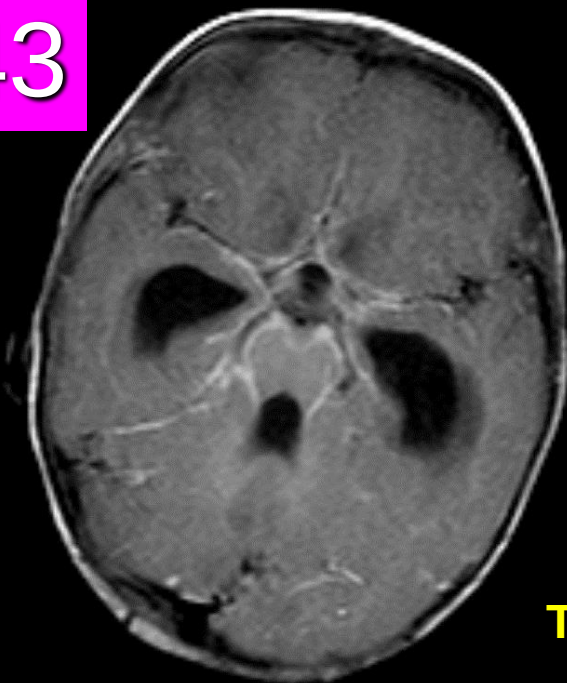
61y/o female, mammography showed mass over
right UIQ breast
What is it ?



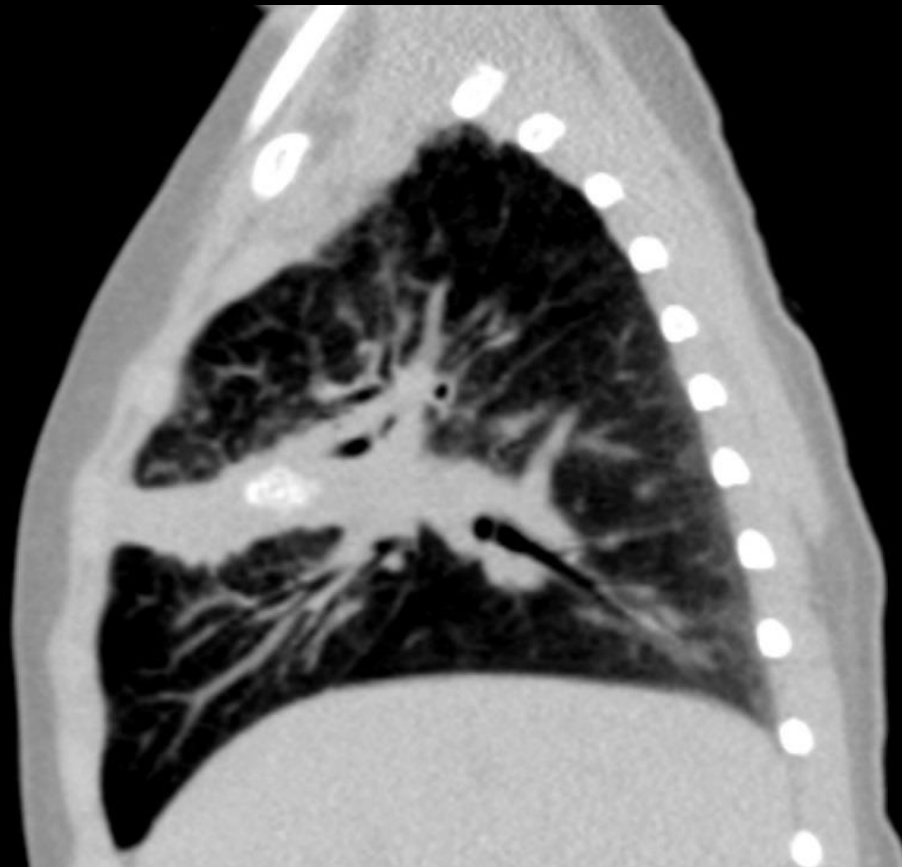
A42

Ans: hamartoma

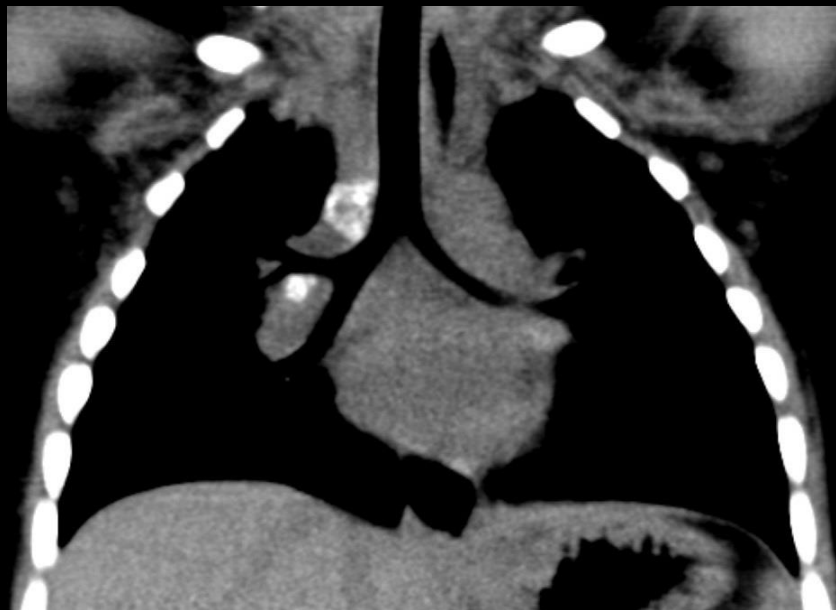
Q43



T1_Gd



NECT_2 months later



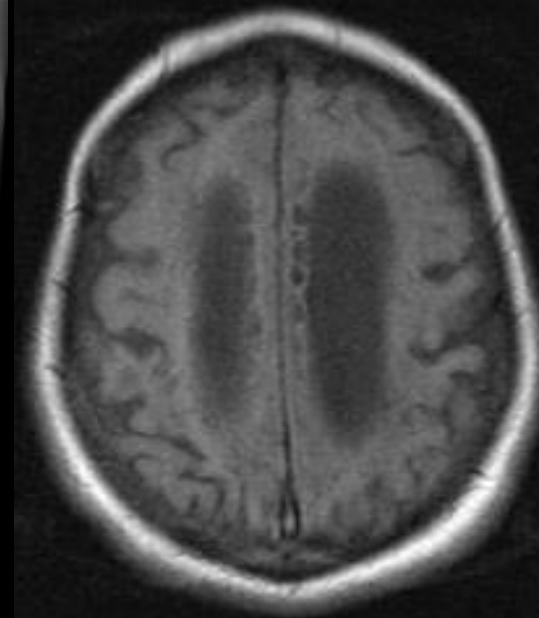
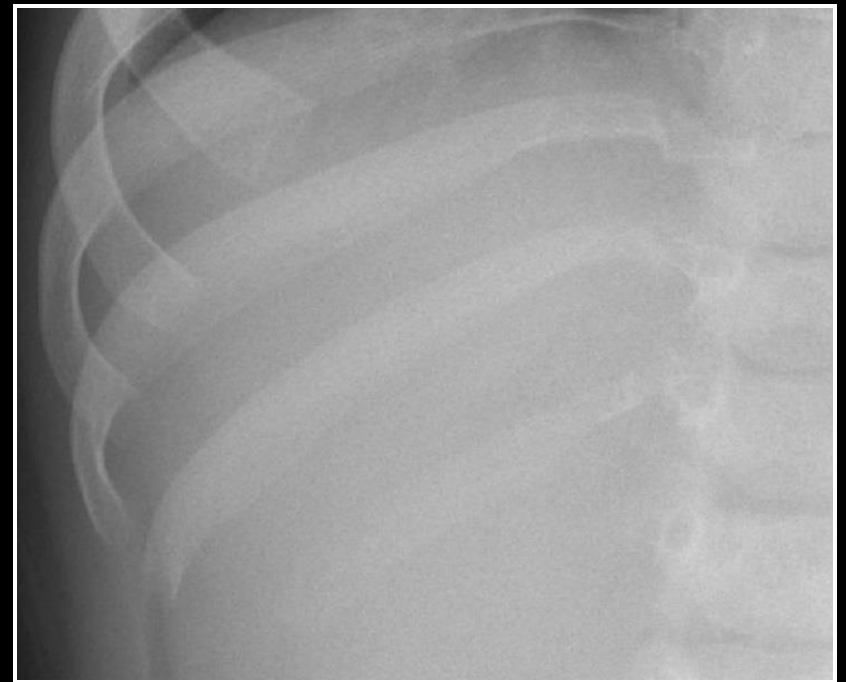
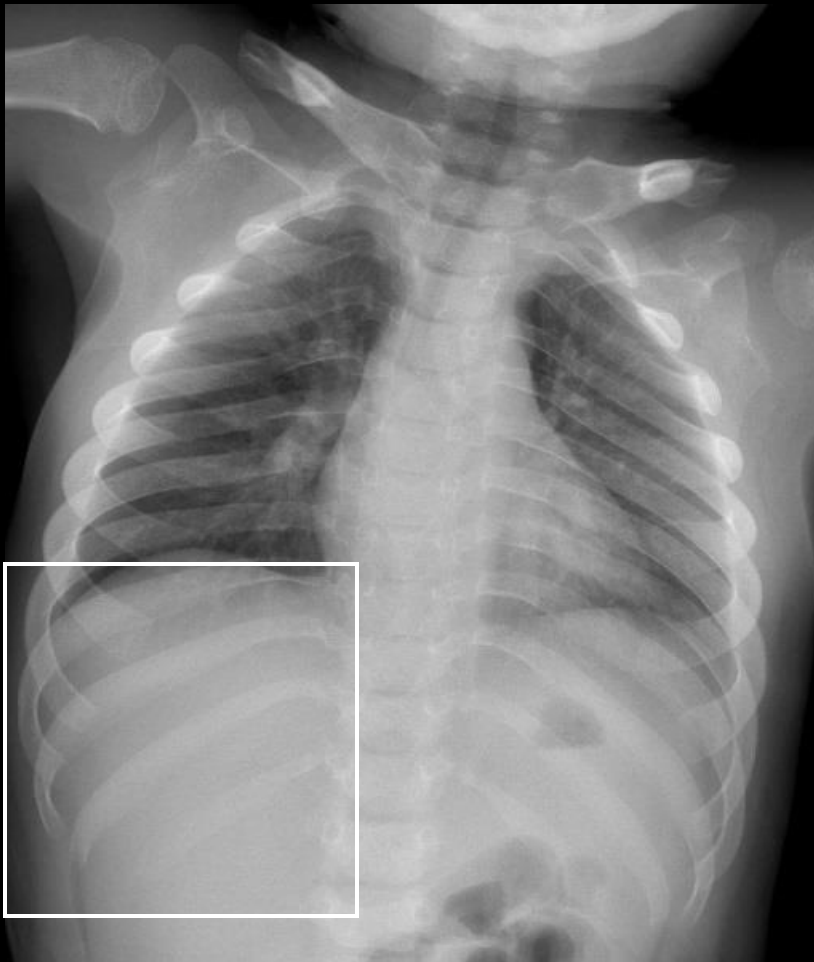
NECT_2 months later

11 y/o male, Fever and cough for days. Conscious change.

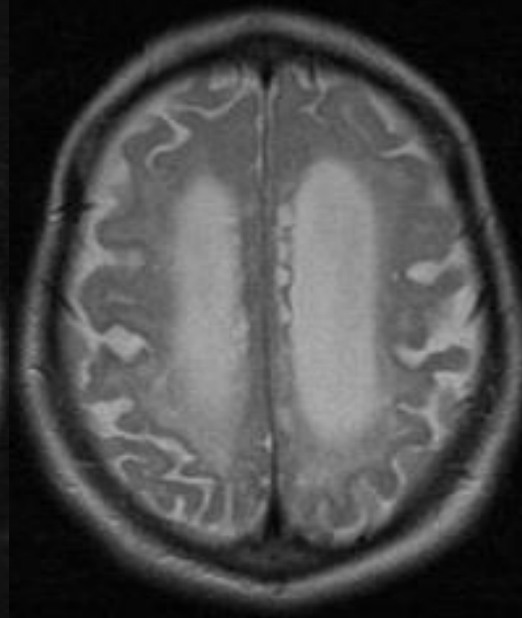
Ans: Primary pulmonary tuberculosis (with calcified Ranke complex) and tuberculosis meningitis (with communicating hydrocephalus) (Note: CSF culture positive for *Mycobacterium tuberculosis* complex)

- Ranke complex = lung consolidation (Ghon focus) + lymphadenopathy (hilum or mediastinum)
- Calcified Ranke : radiological diagnosis of primary TB (in Taiwan)

Q44 8 y/o male



T1WI

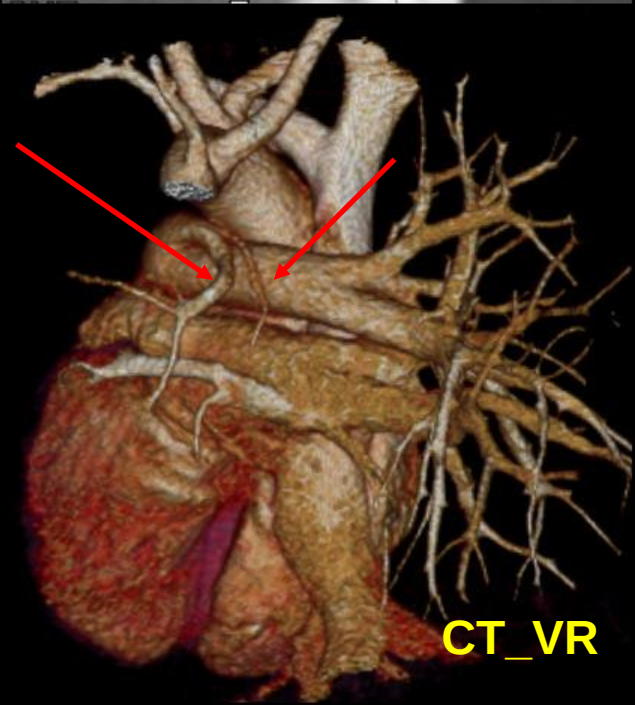
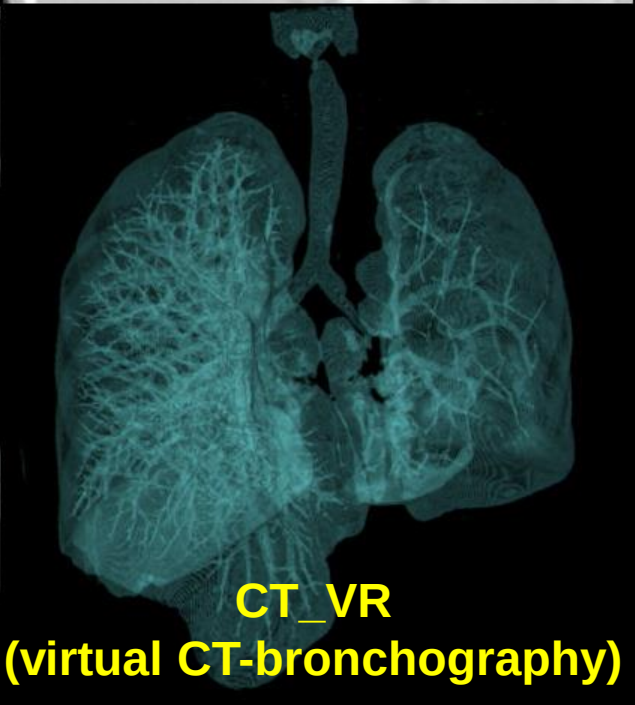
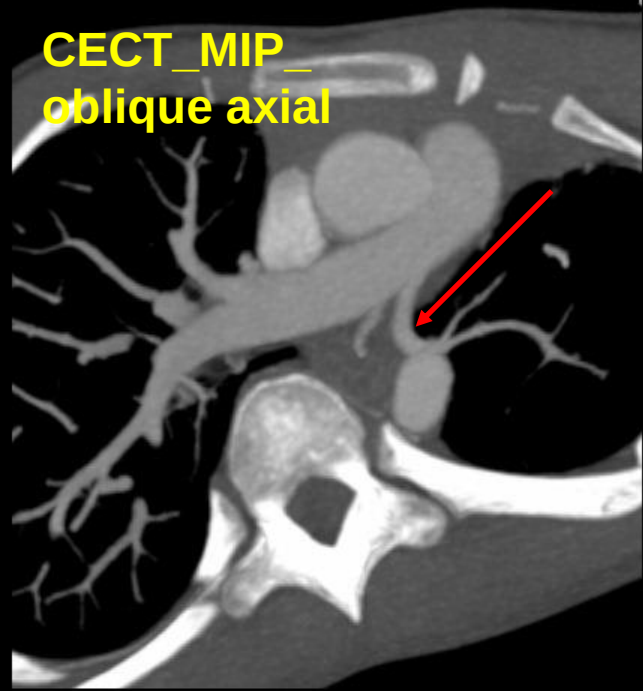
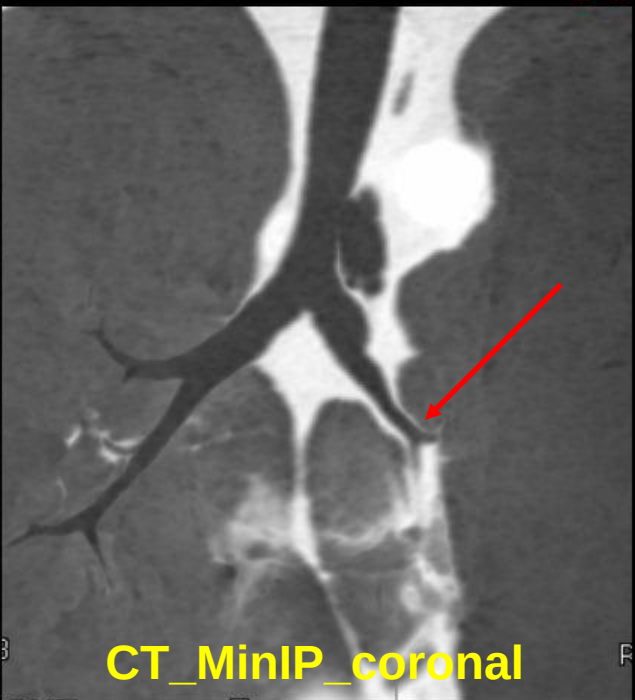
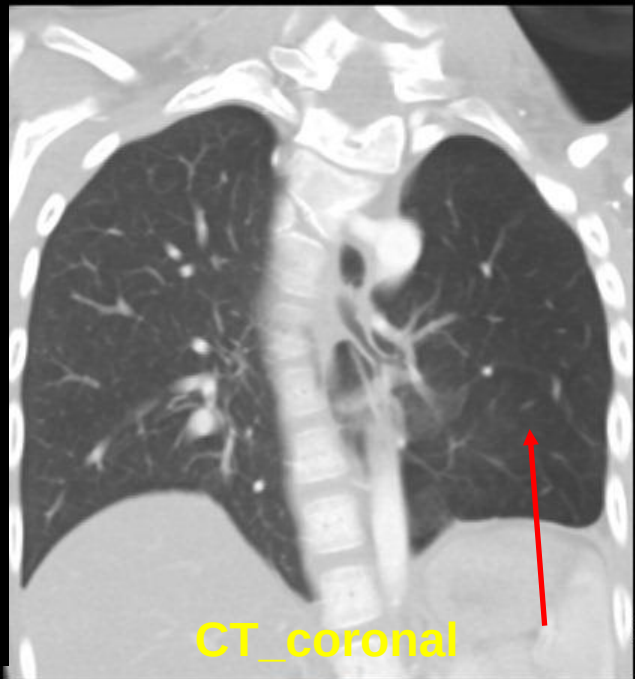


T2WI

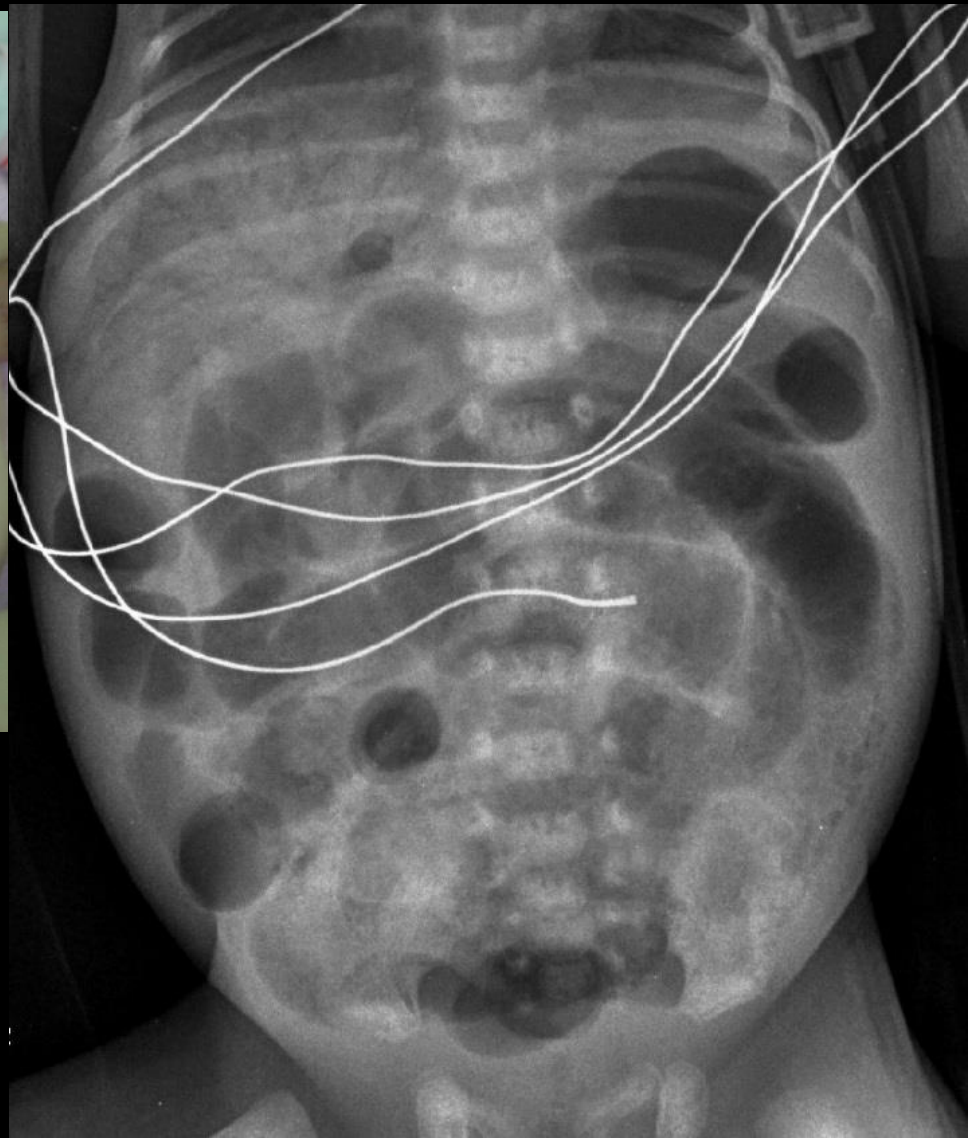
Ans: Mucopolysaccharidosis

Q45

7y/o female,
Chronic recurrent
respiratory tract
infection



Ans: Swyer-James syndrome

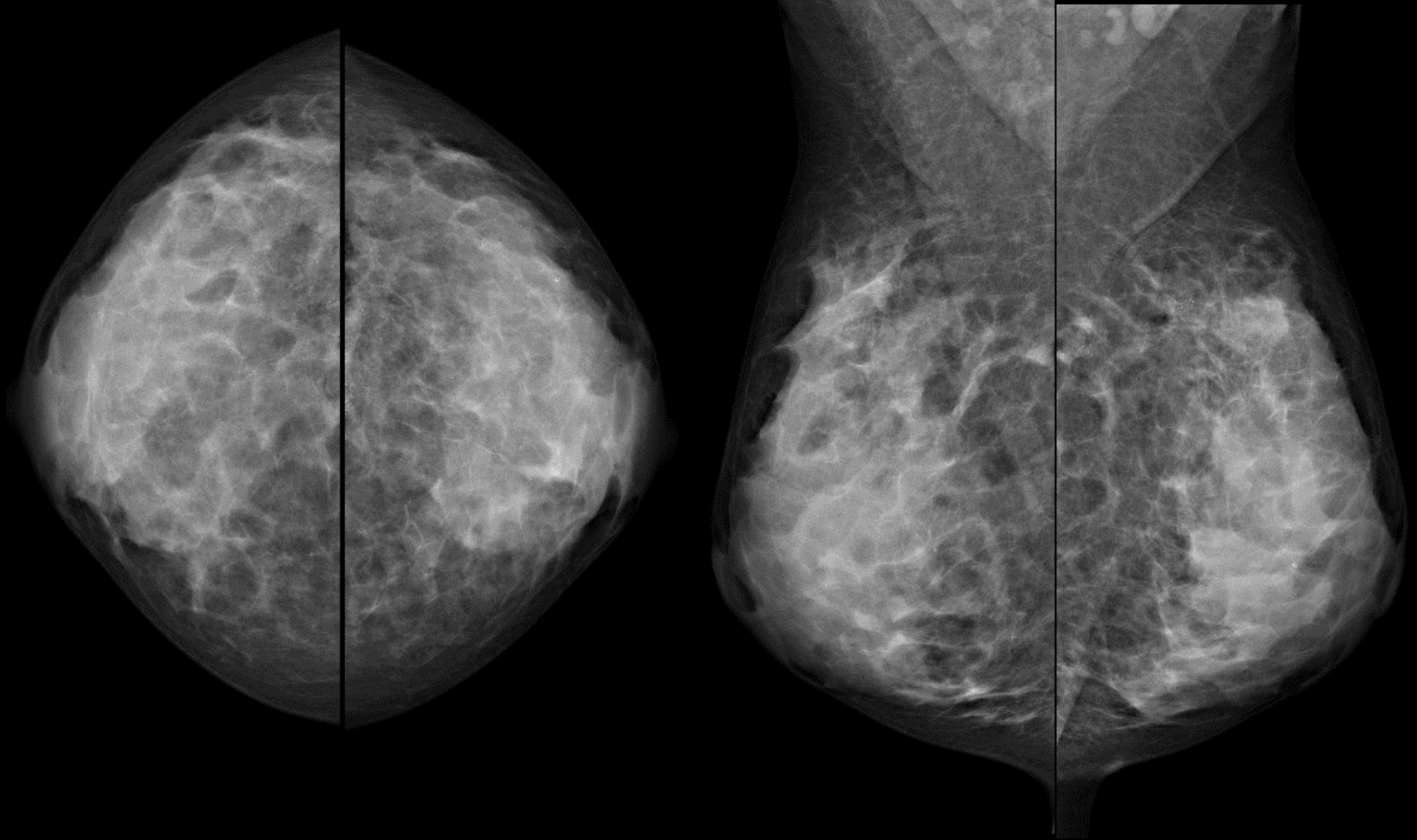


Male, 2+ w/o
Preterm infant
32+ wks

Ans: Necrotizing enterocolitis

Q47-1

31 y/o woman. Left breast palpable mass.
What is the impression ?



Q47-2

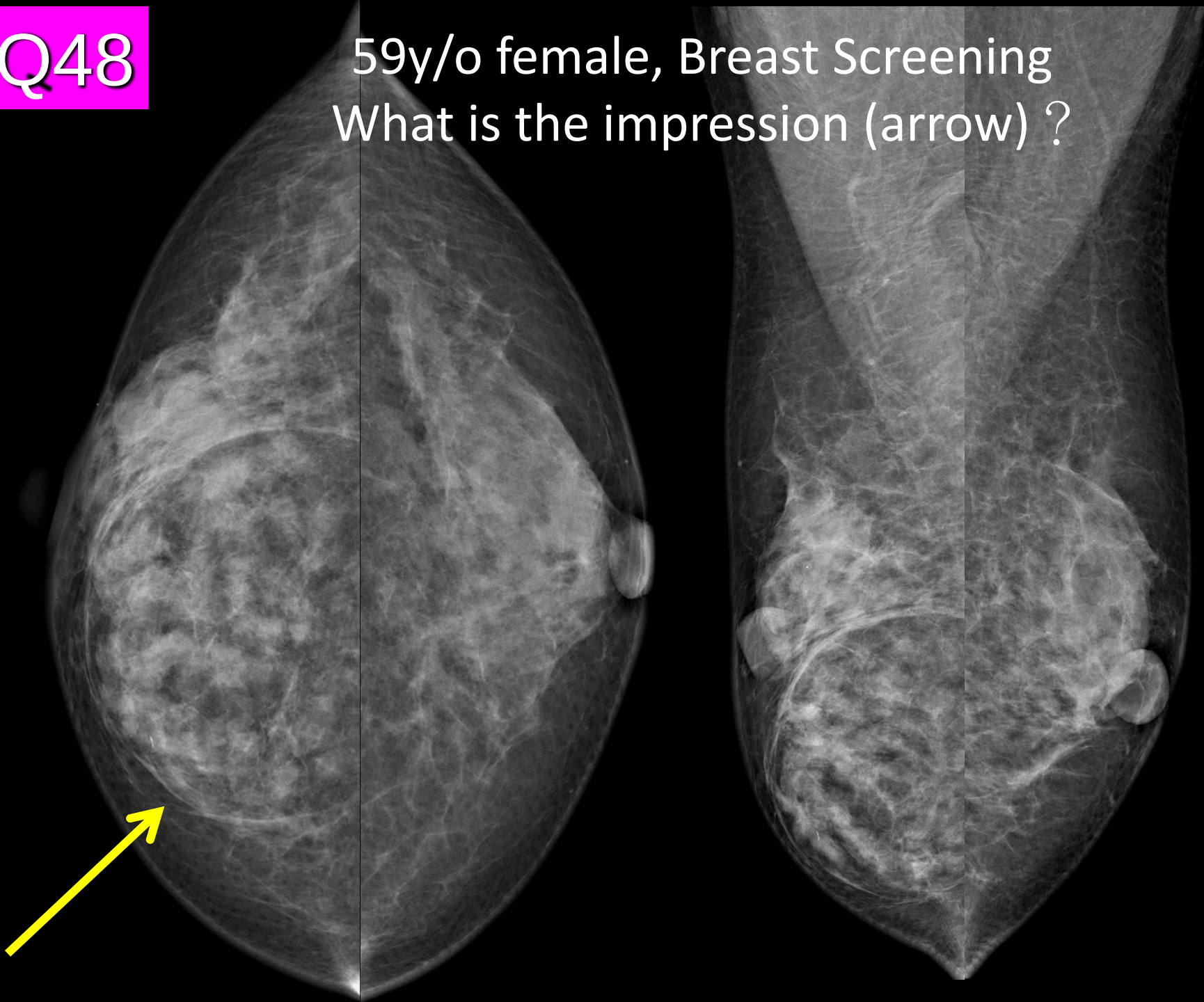


Ans:

Breast cancer, upper portion of left breast

Q48

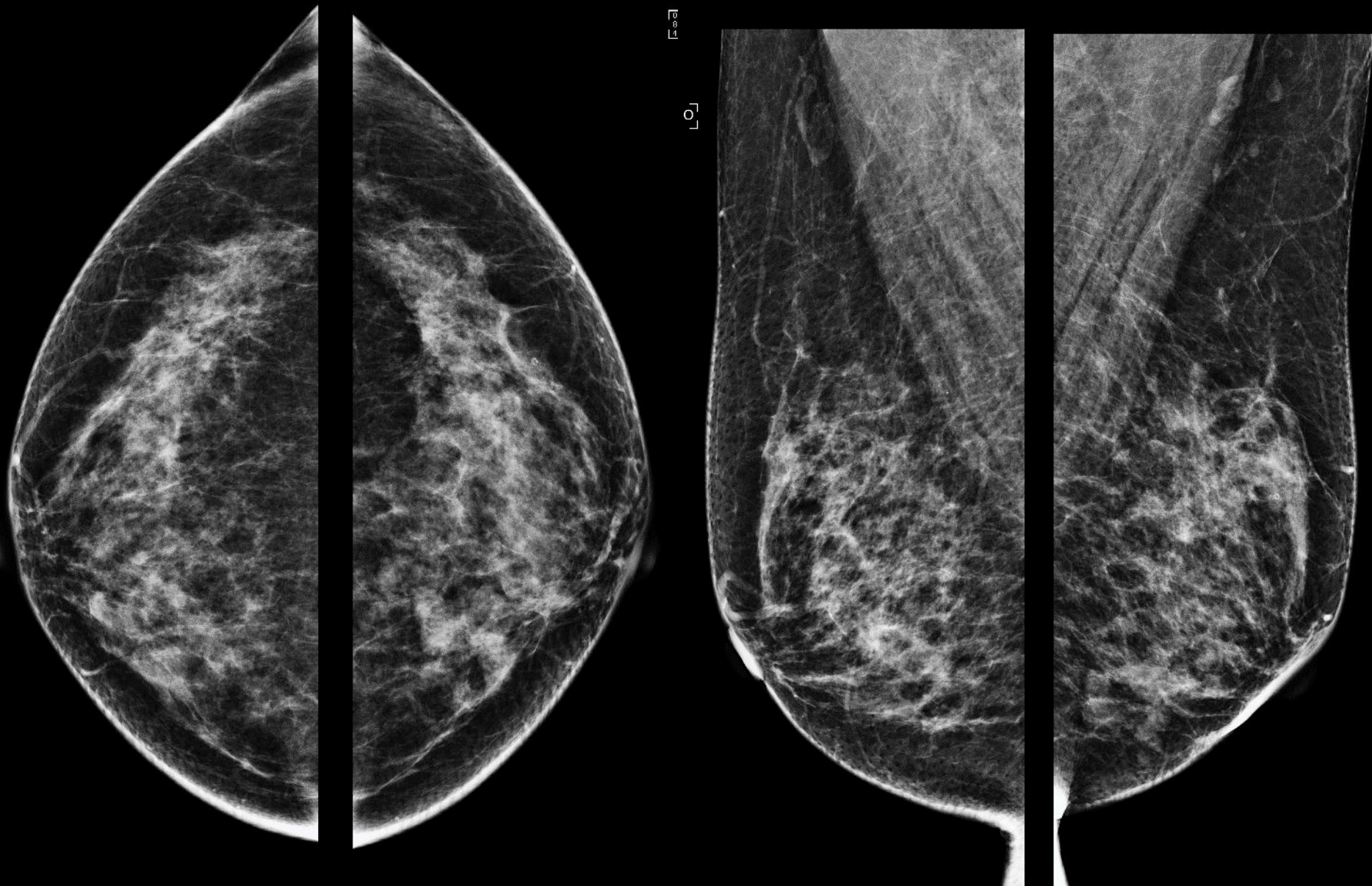
59y/o female, Breast Screening
What is the impression (arrow) ?



Ans : Breast hamartoma

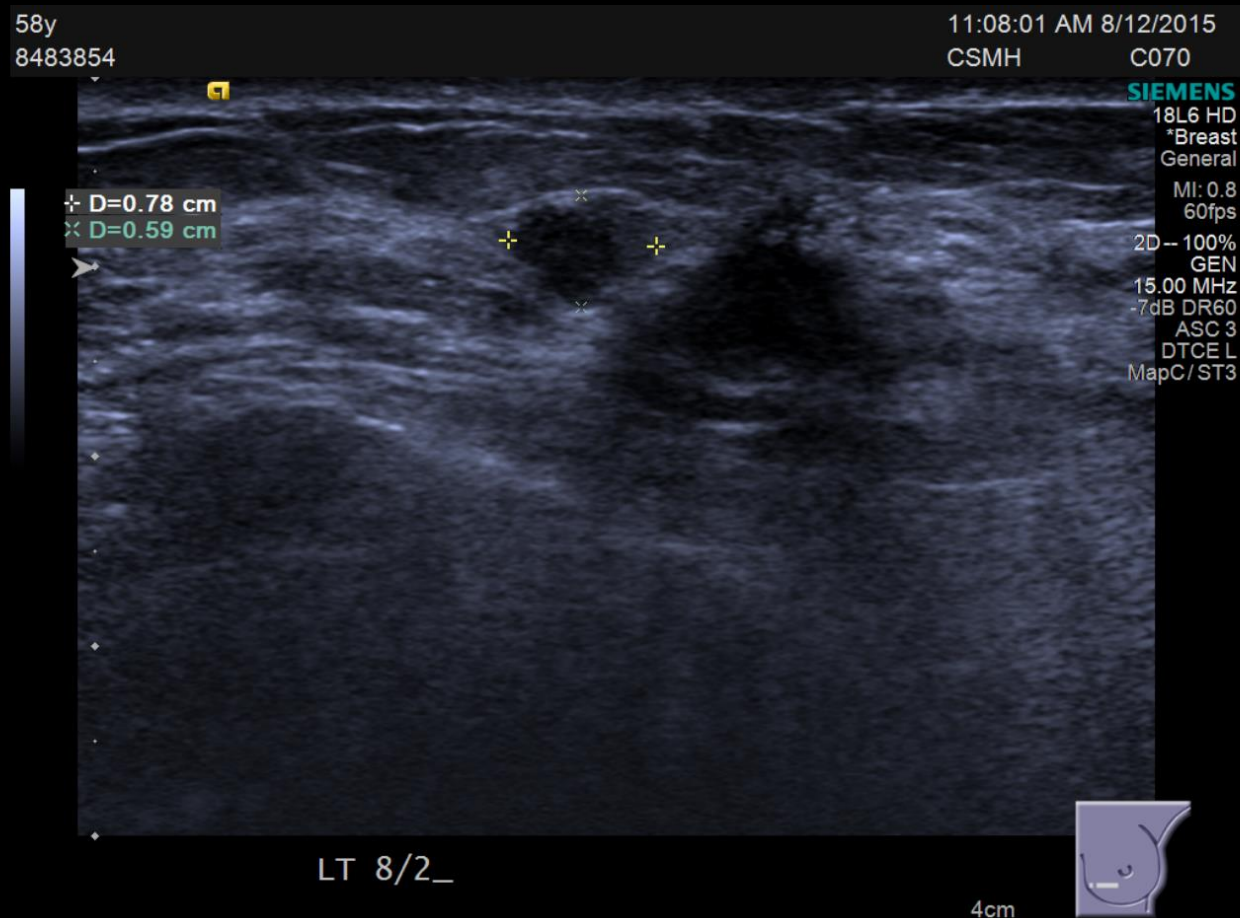
Q49

58 y/o female, screen BIRADS: ?



A49

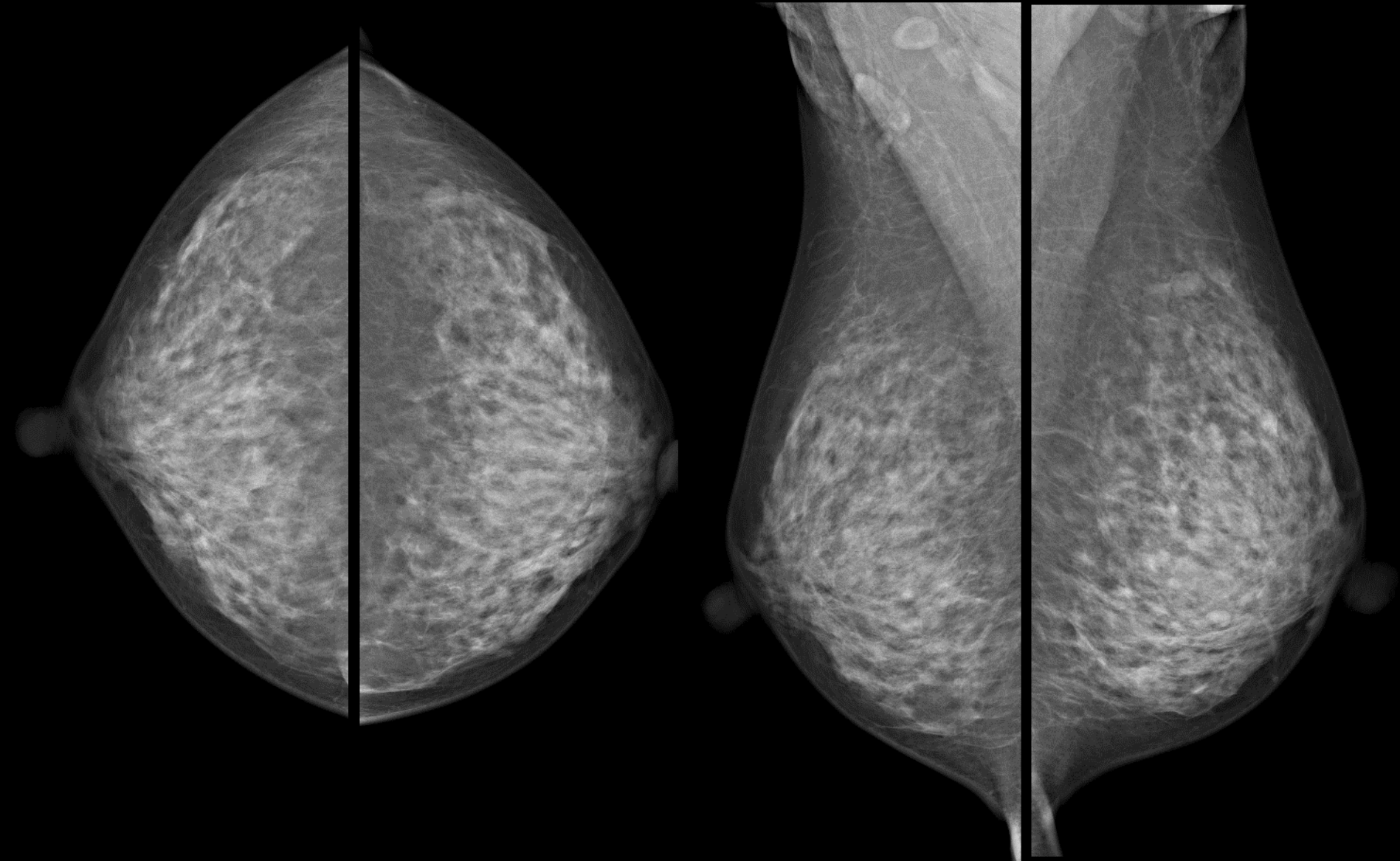
Ans: BIRADS 0, 4 or 5



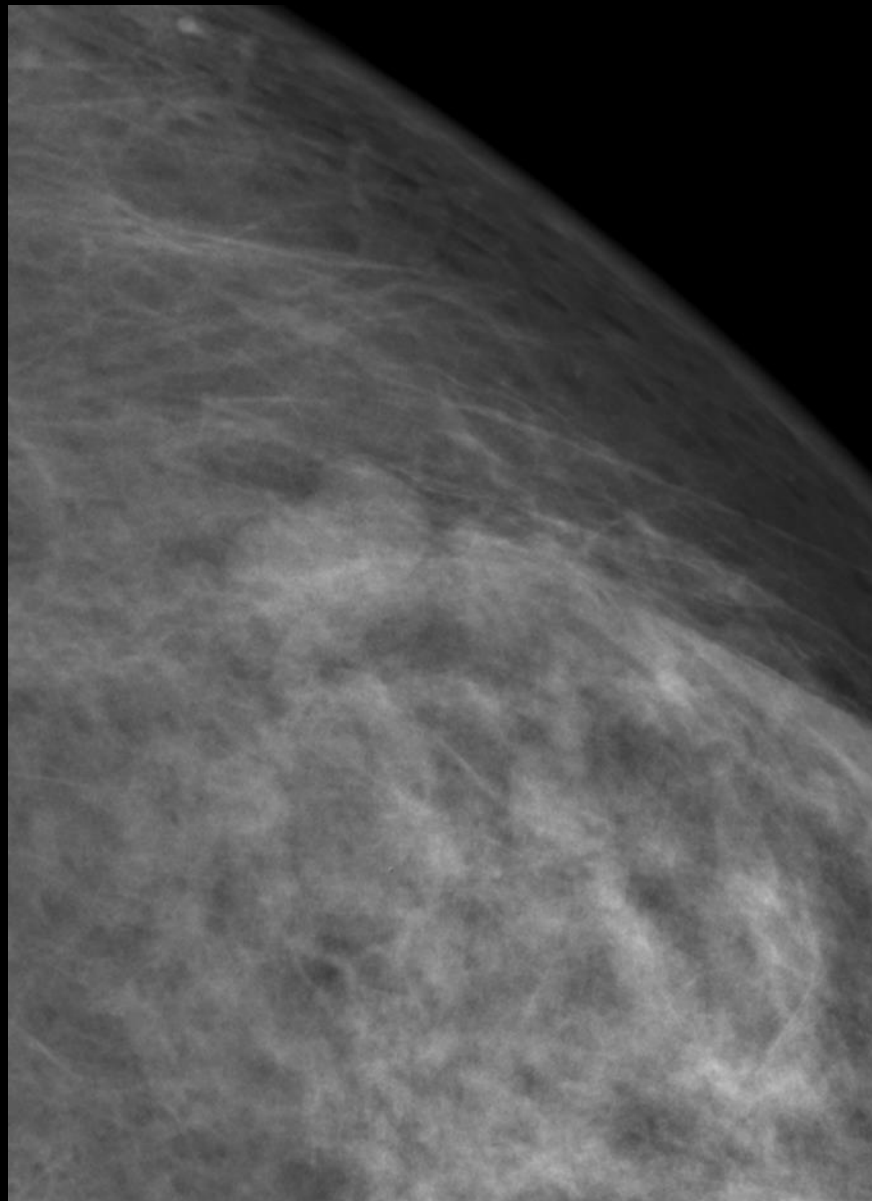
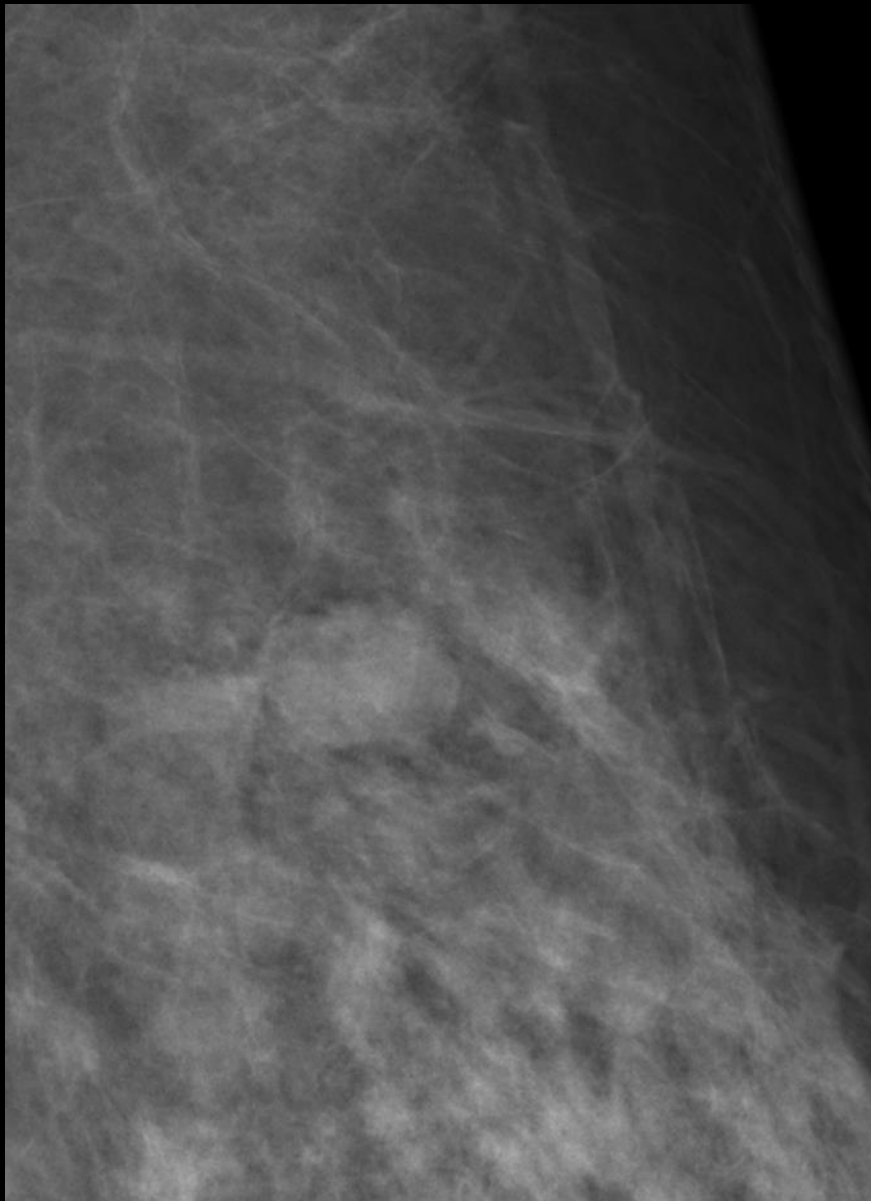
Ductal carcinoma in situ with papillomatosis

Q50-1

48y/o female, screen BIRADS: ?

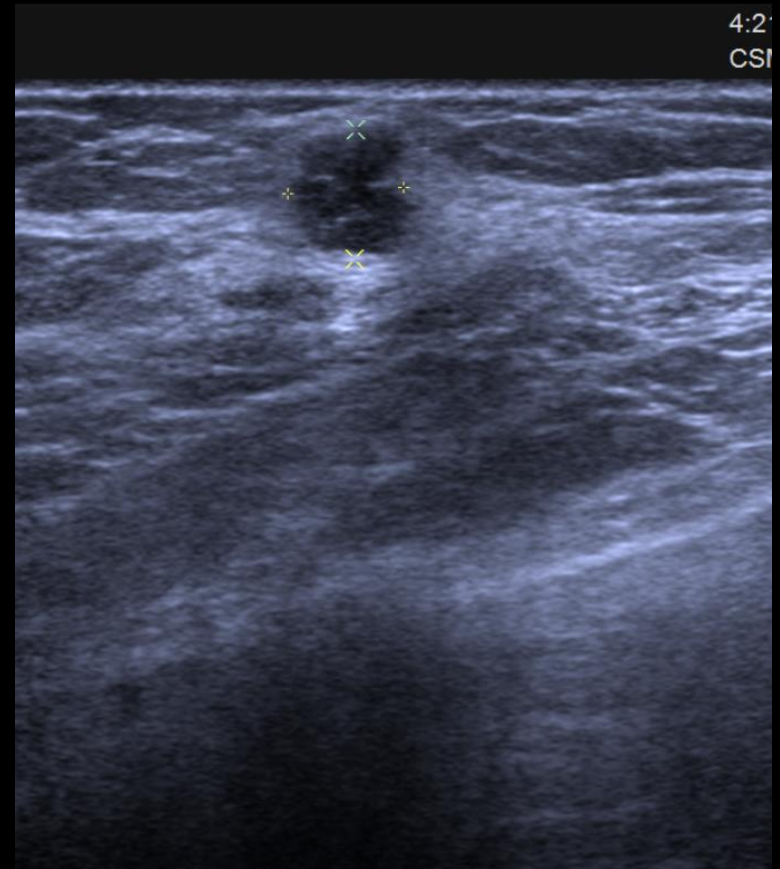


Q50-2



Ans: BIRADS 4 or 5

Pathology: encapsulated papillary carcinoma with
invasive ductal carcinoma



LT 2/5_