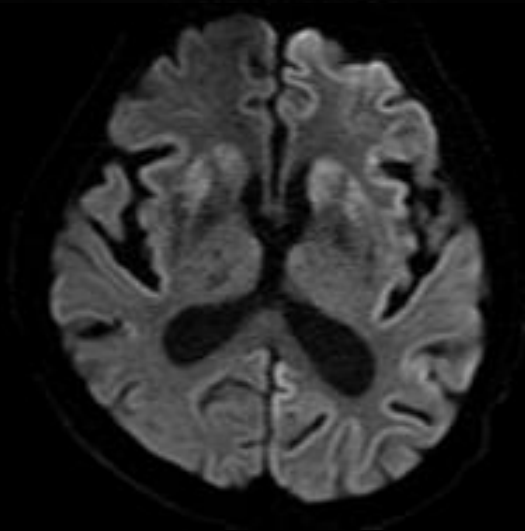
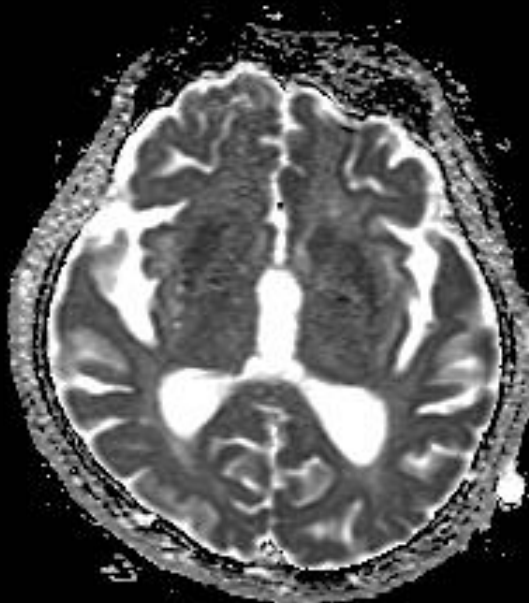
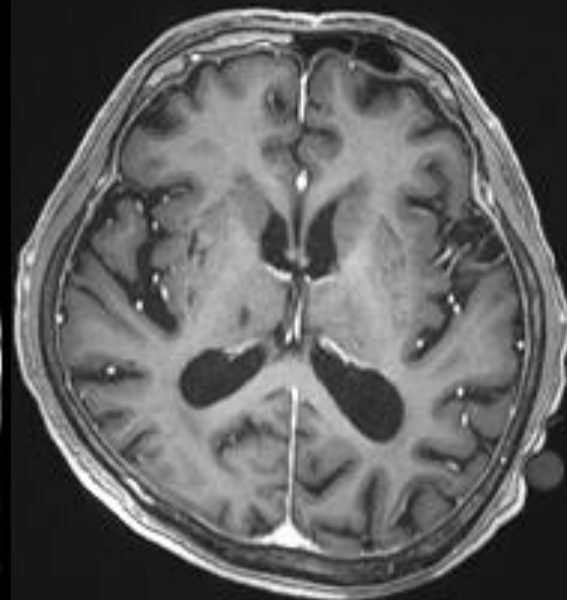
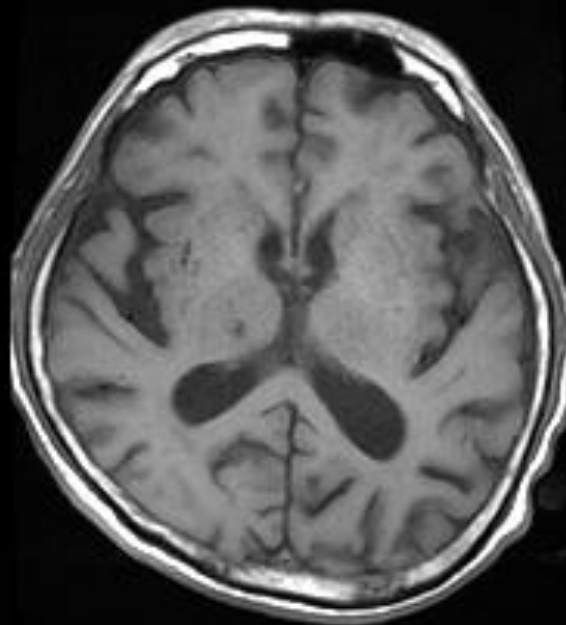
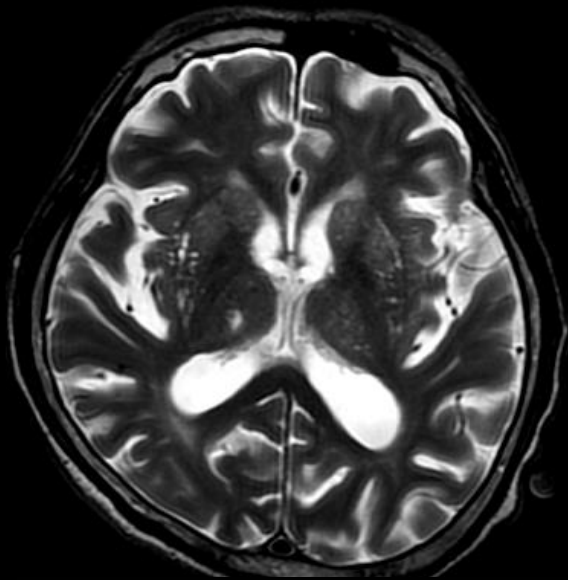


2012年5月18日
中華民國放射線醫學會
住院醫師閱片測驗-答案

出題醫院
台北榮民總醫院放射線部

Q01

75 y/o male, change of behavior, dysarthria,
and became clumsier in the past 3 months

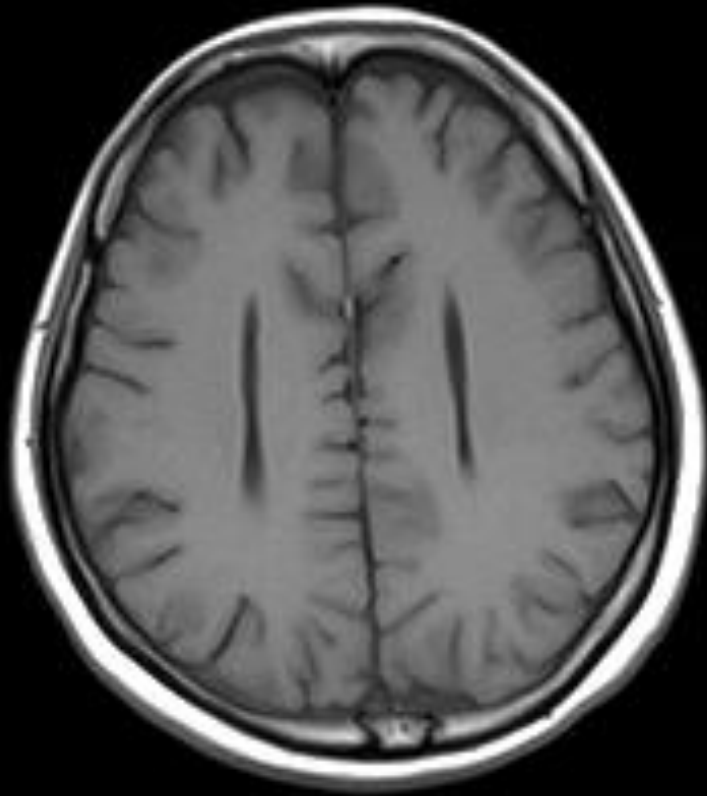


A01

Ans: Creutzfeldt-jacob disease

Q02

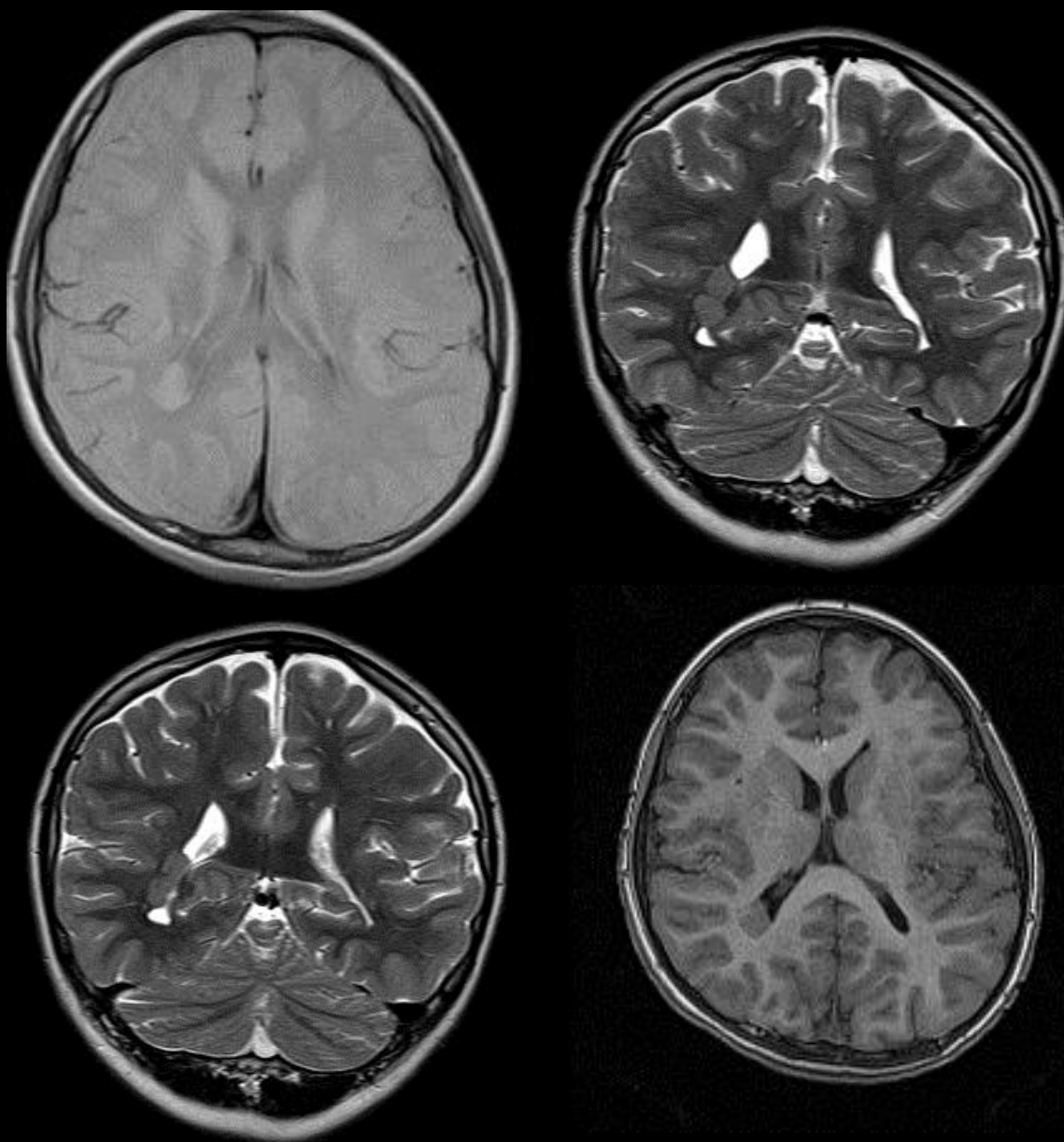
MR of a 46 y/o female 3 days after pons infarction, what is another major finding?



- Ans: Agenesis of corpus callosum

Q03

11/M, incidental findings

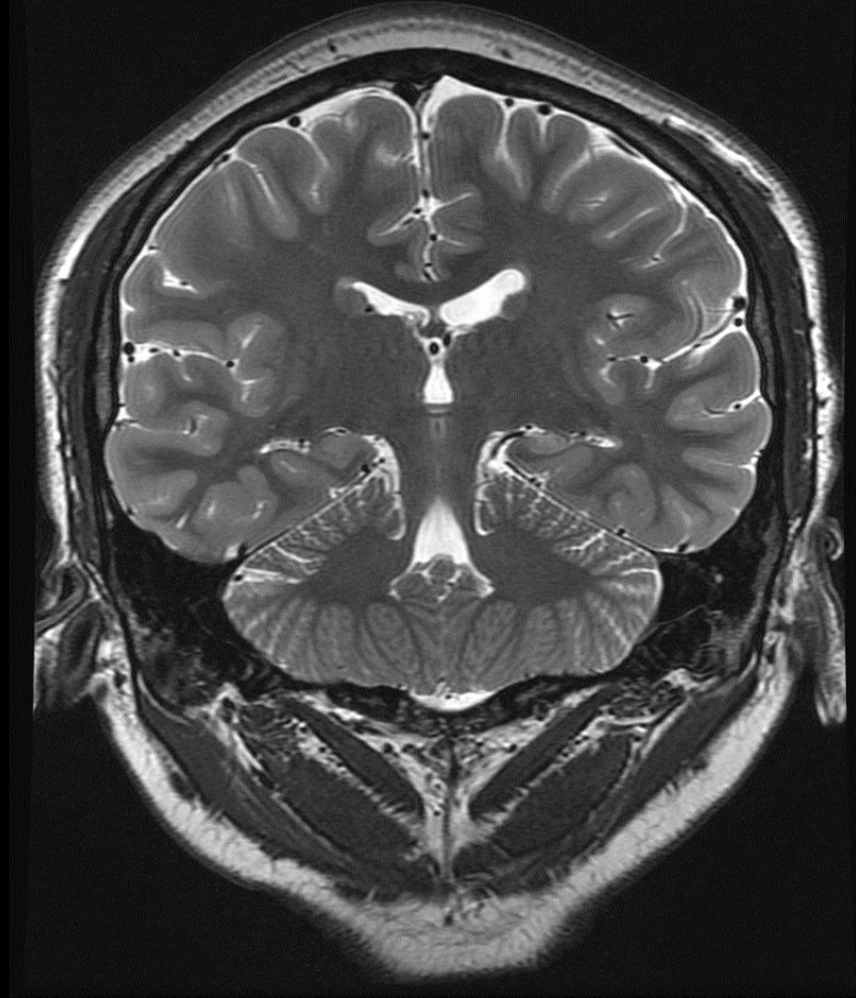
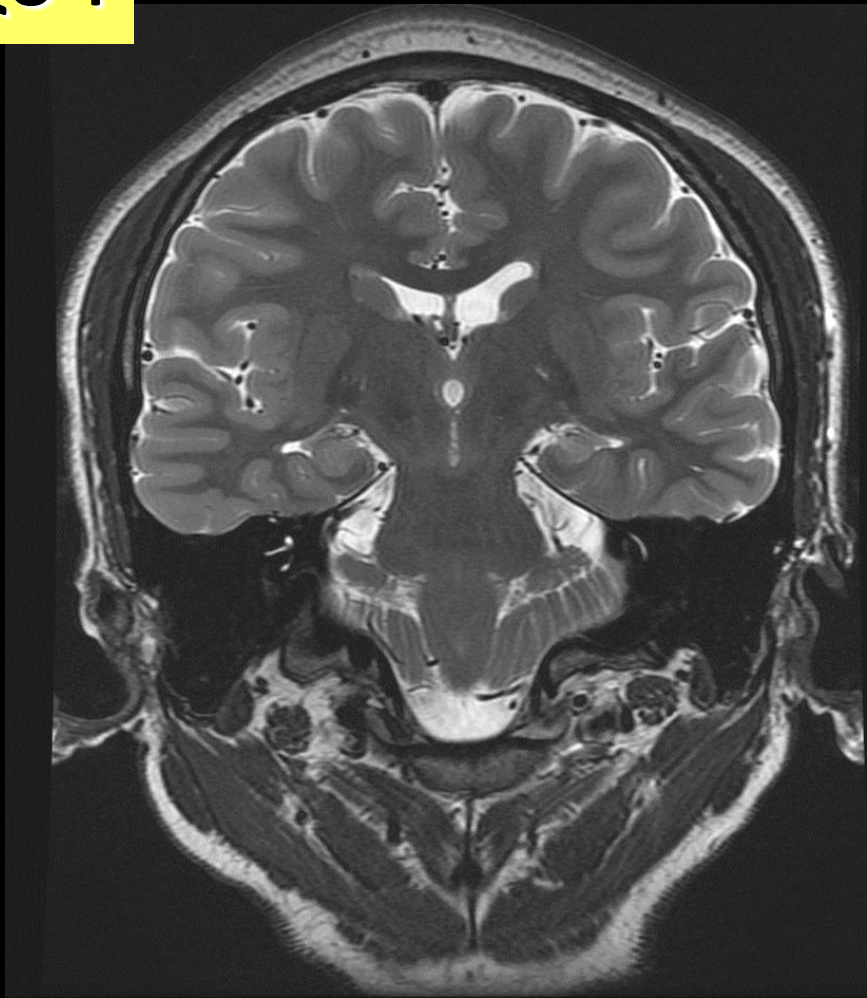


Ans:

Gray matter

Heterotopia

Q04



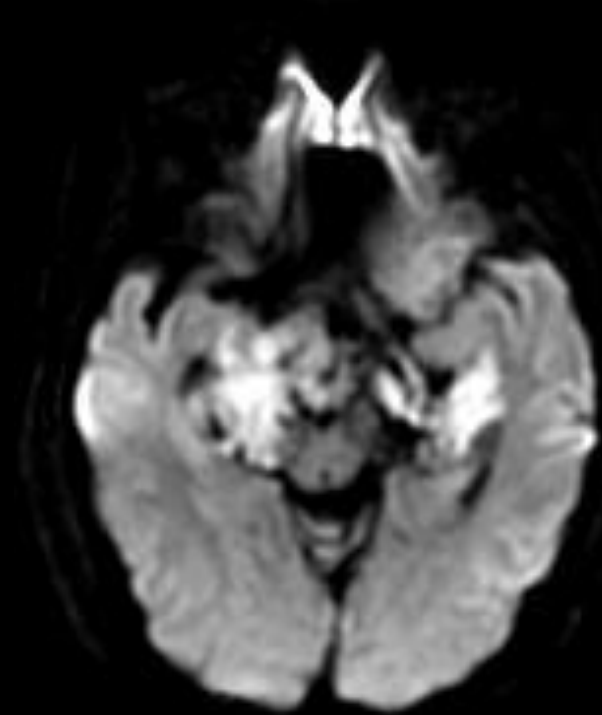
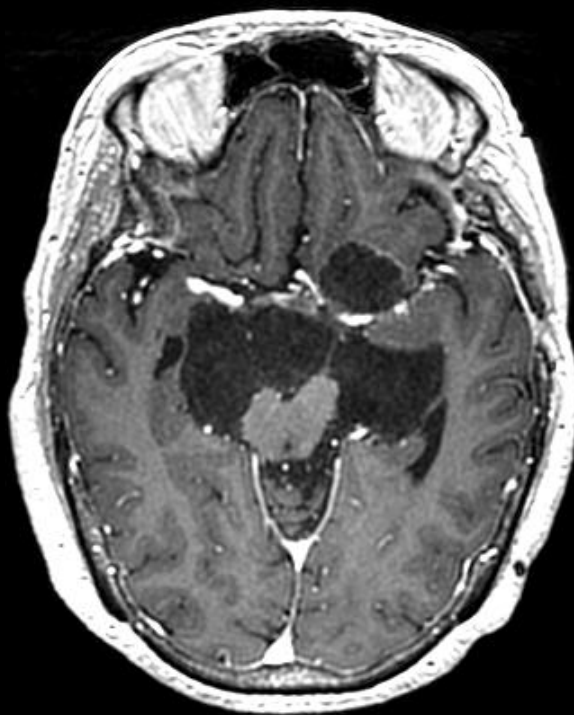
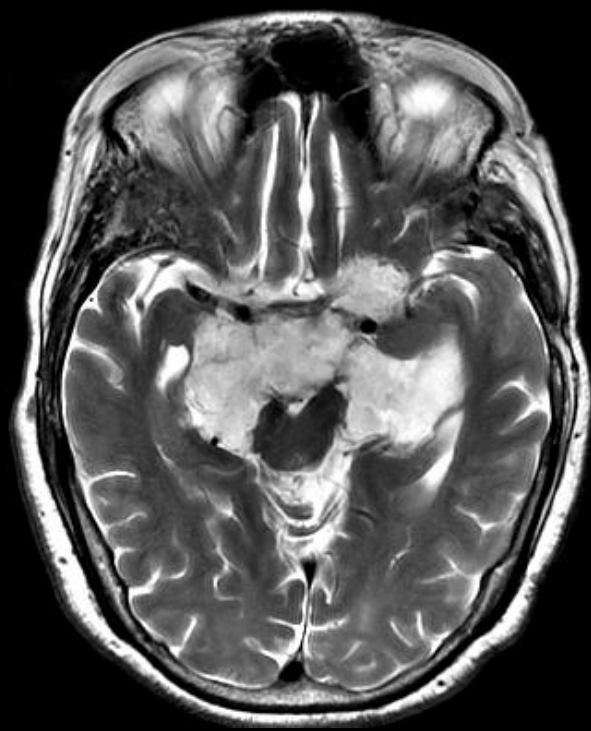
14/M, seizures for a few years

Ans:

Lt mesical temporal sclerosis

Q05

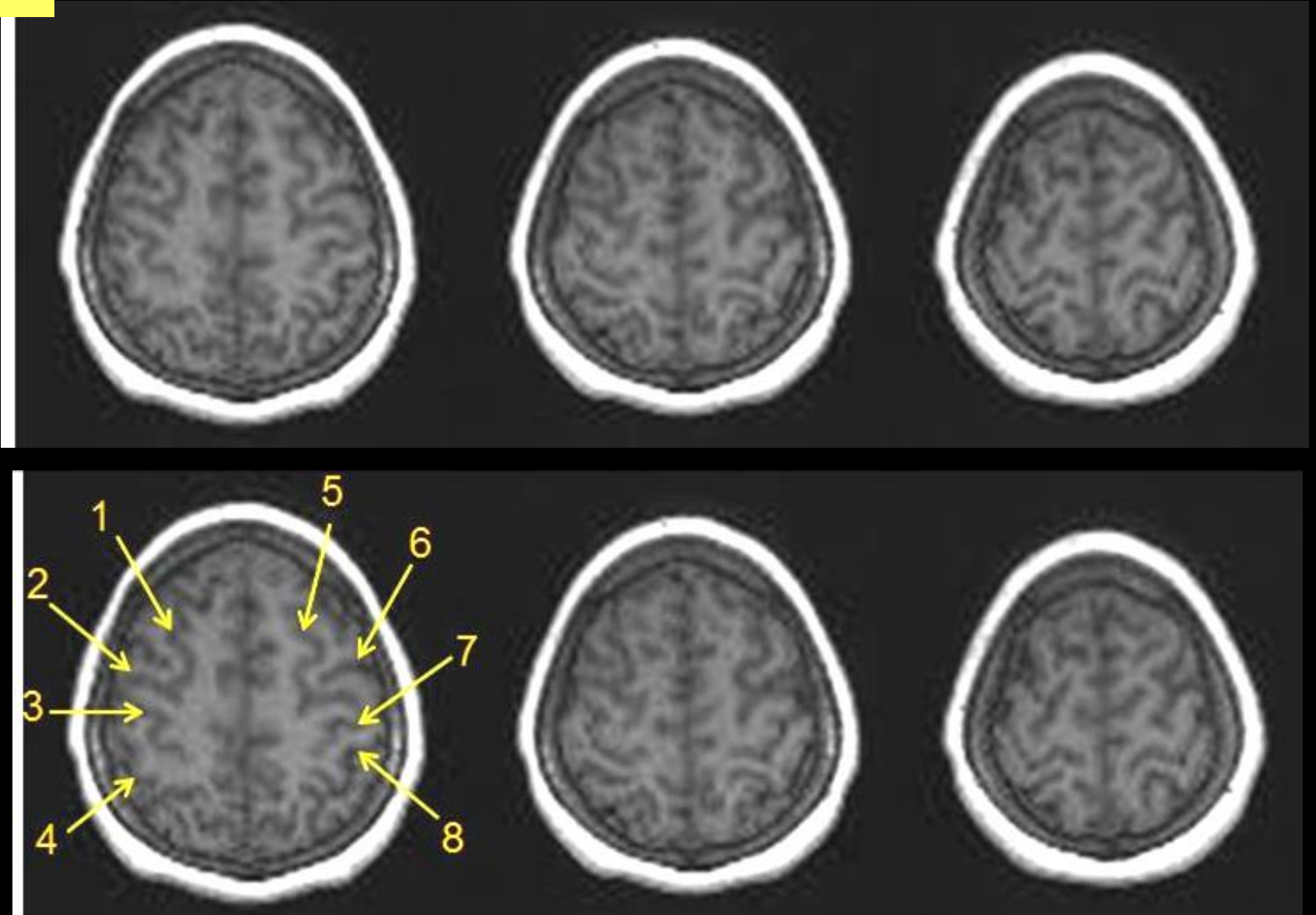
A 61 years old women with unsteady gait and blurred vision for decades and recent easy choking with progressive deterioration



Answer: Epidermoid cyst

Q06

A 24 year-old male normal subject

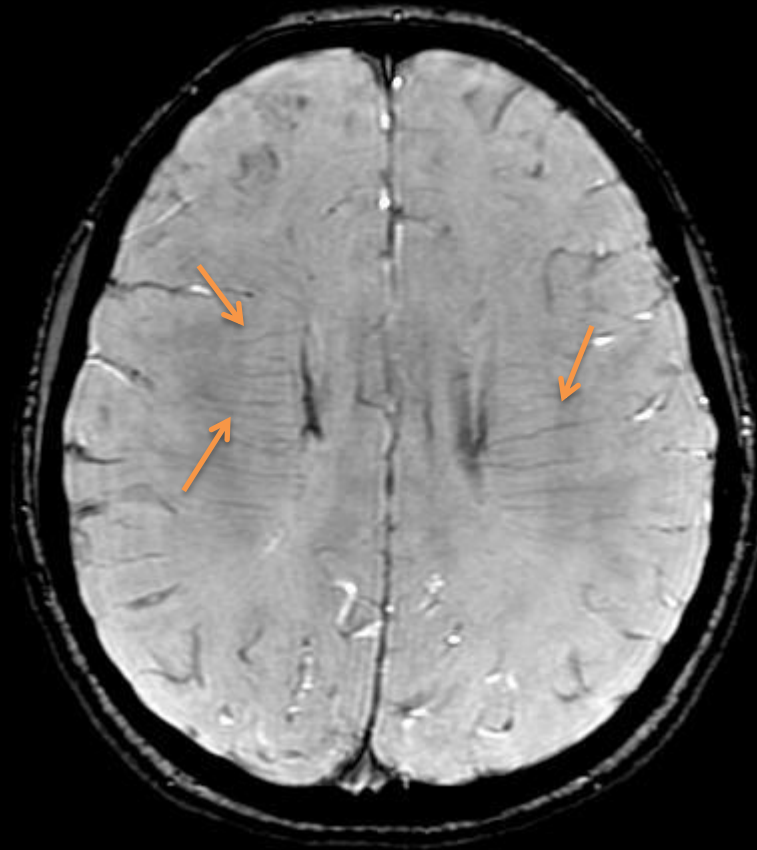


Where are the central sulci of bilateral cerebral hemisphere (pick up two labels) ?

- Ans: 3 & 7

Q07

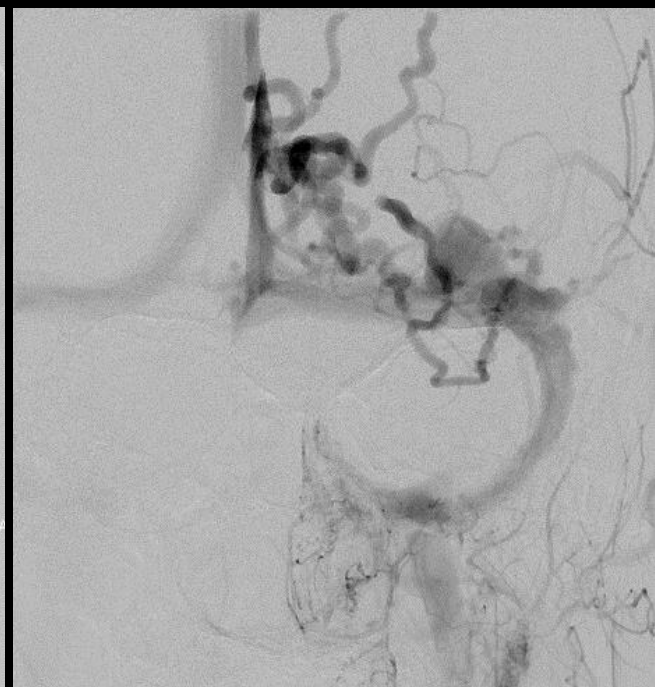
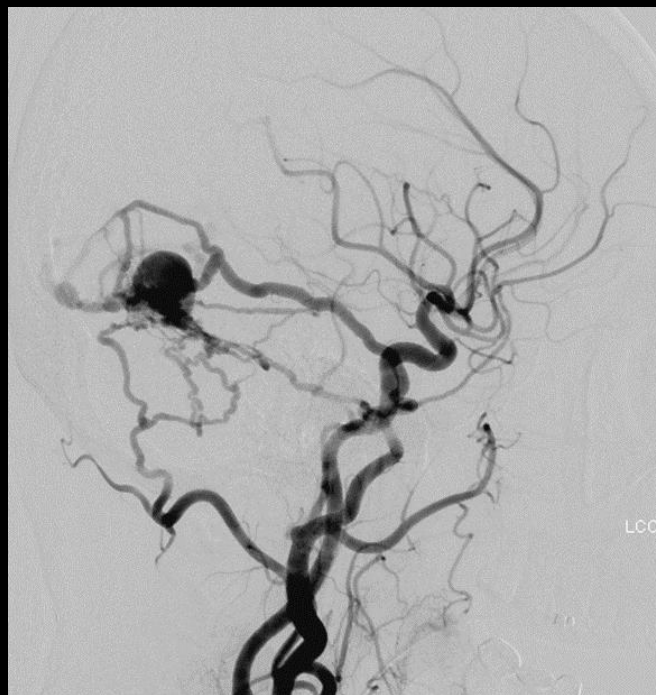
A 12 year-old girl took MRI for incidental paresthesia of right arm



What are the structures indicated by arrows?

- Ans: Deep ependymal veins

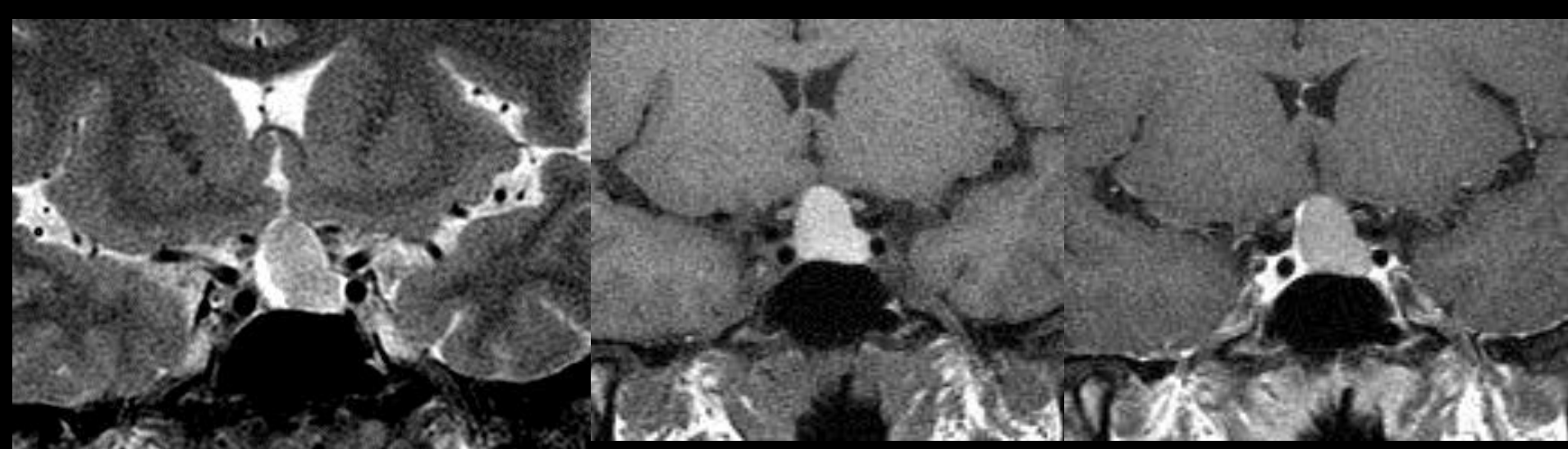
F/37, presented with headache, seizure



Ans: dural AVM, left sigmoid sinus

Q09

- 35/F, Sudden onset of headache, vomiting and blurred vision for days



- Ans: Pituitary adenoma with bleeding, apoplexy

Q10

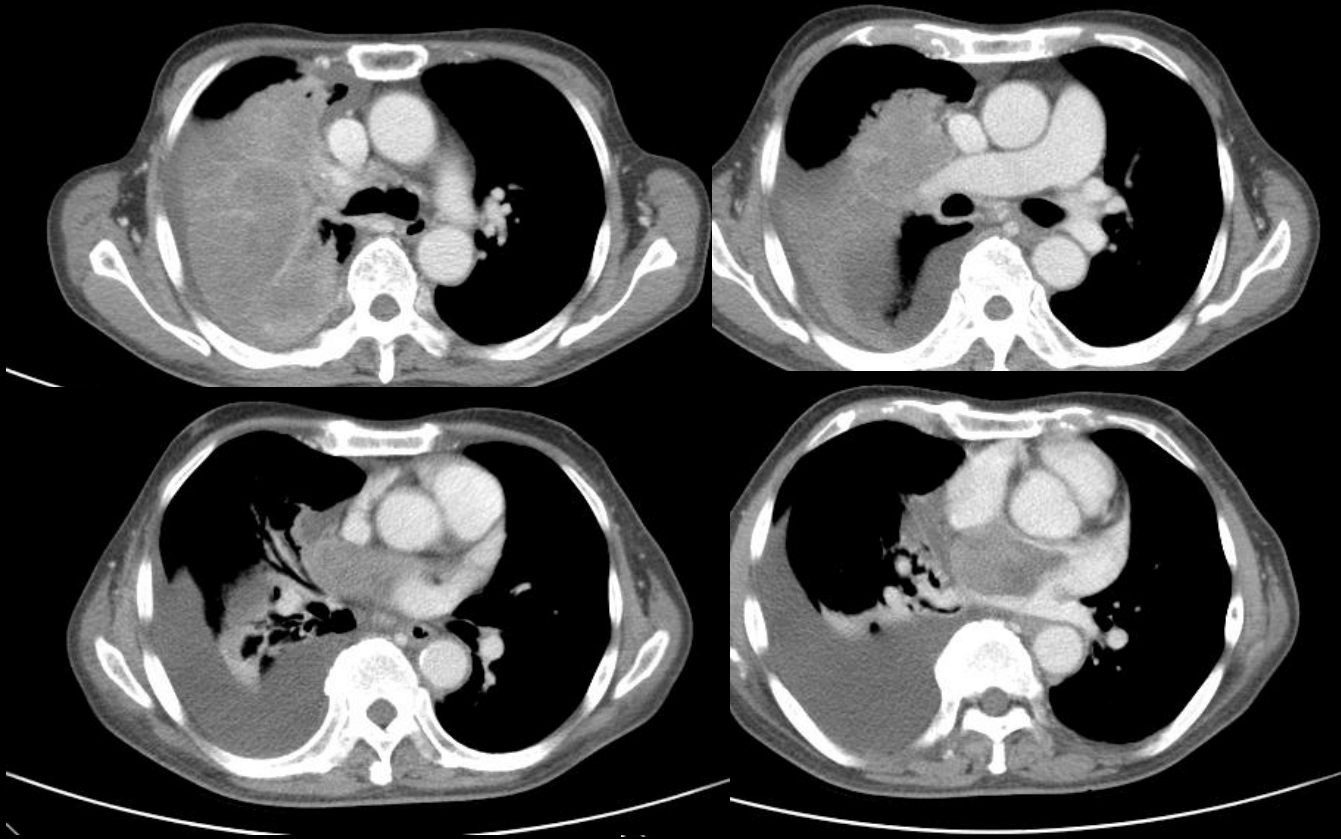
30/M, Low back pain for a long time
History of aortic dissection



- Ans: Marfan's syndrome with dural ectasia

Q11

77/M, biopsy: lung cancer
Question: T staging

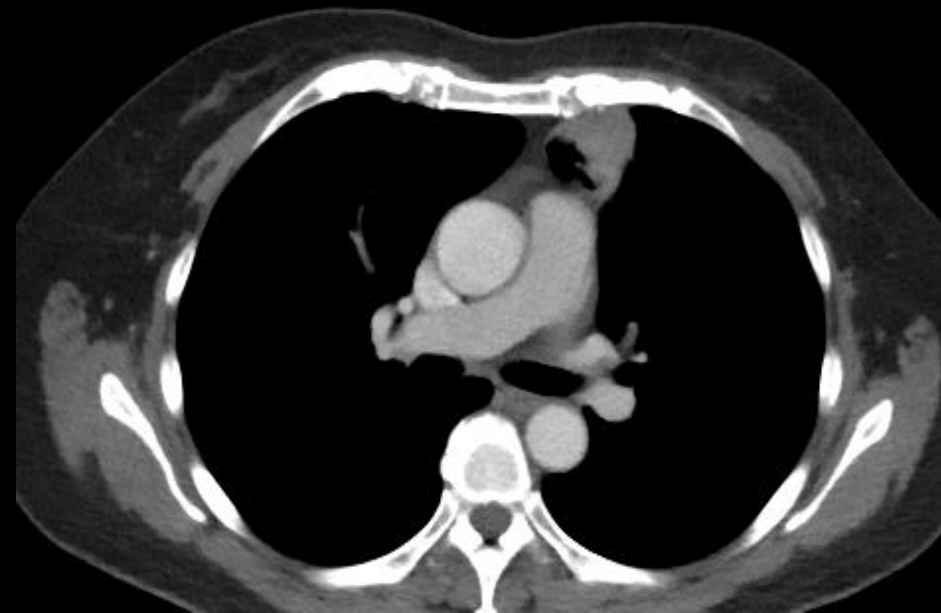


77/M, biopsy: lung cancer, T staging

Answer: T4

Q12

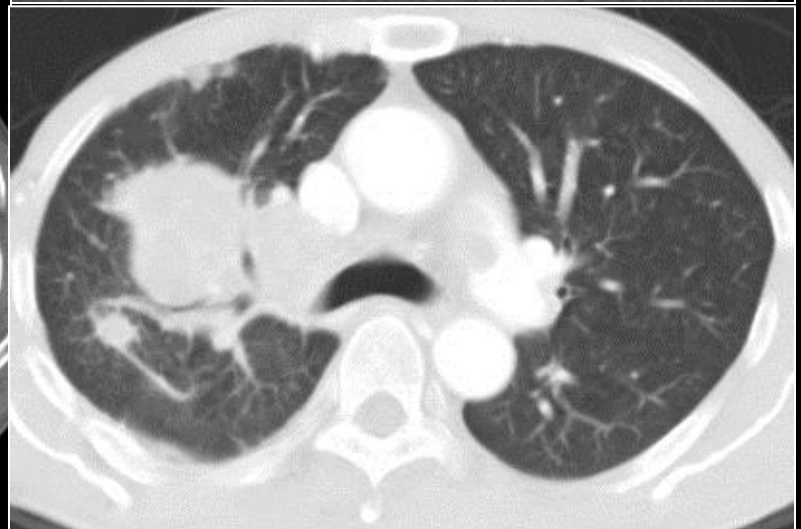
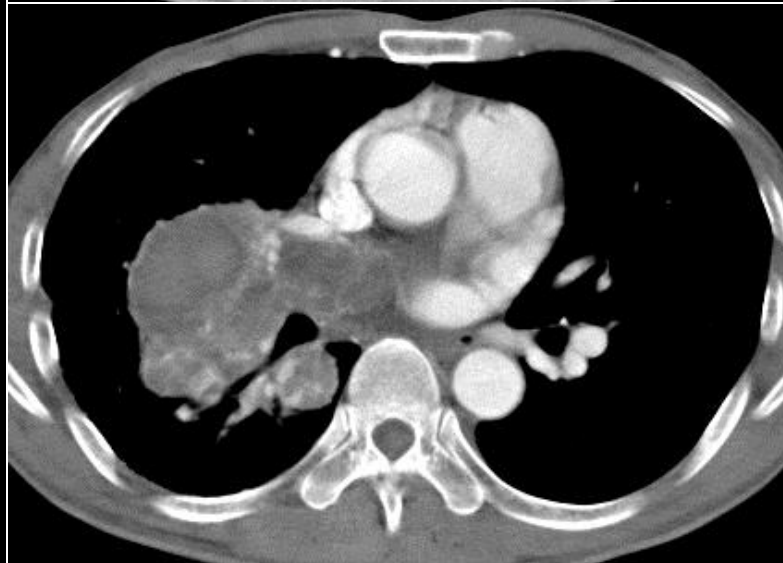
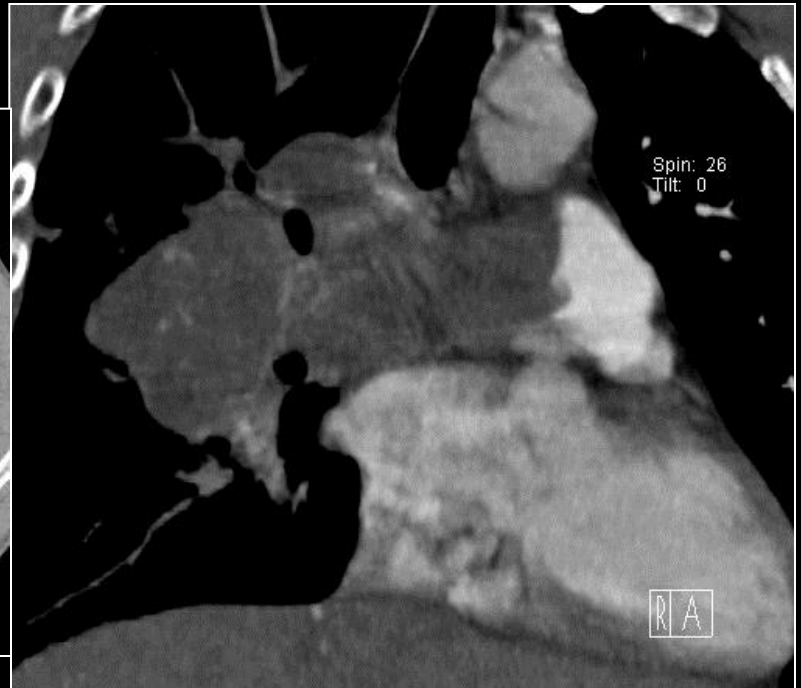
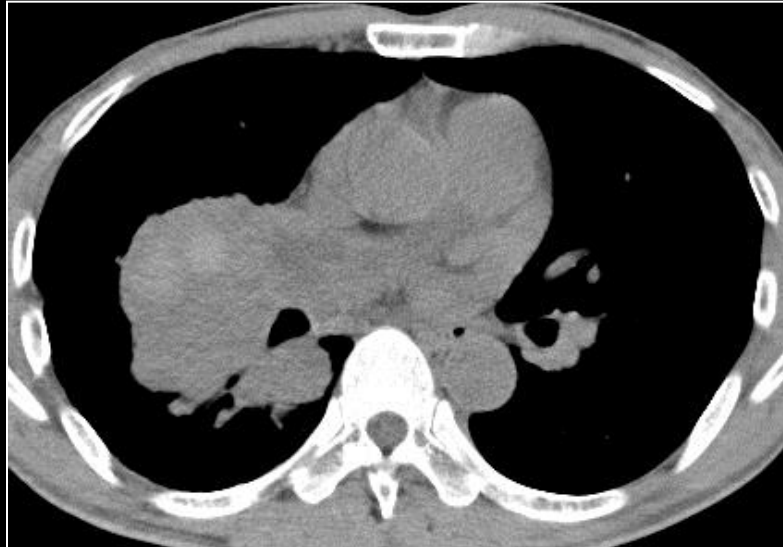
F/55 left breast DCIS, s/p lumpectomy



Answer:
Solitary fibrous tumor
of the left lung

Q13

M/52, Needle-stabbing sensation
for 10 months



M/52

Needle-stabbing sensation for 10 months

Right pulmonary artery angiosarcoma
with lung metastases

Q14 30 y/o Male, kyphosis for 5 years, progressive low back pain and short of breath for 1 month Pleural fluid triglyceride 178mg/dL



Gorham's disease

What is the hypervascular structure?

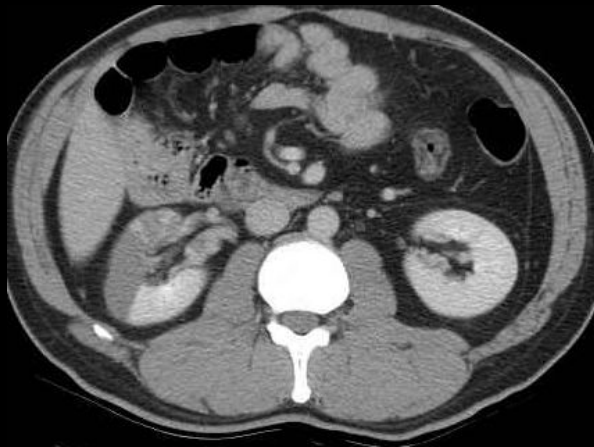
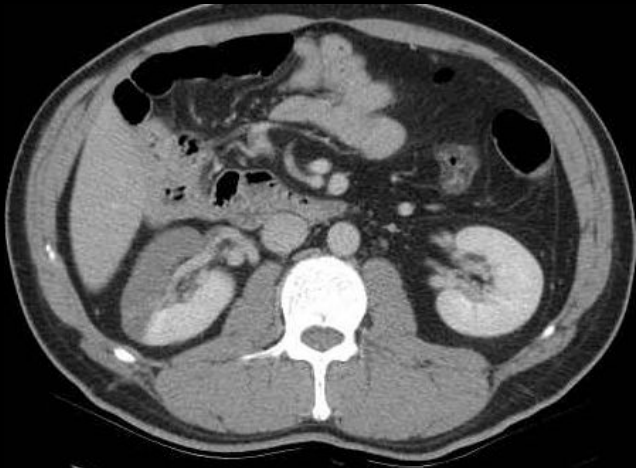


ANS : gastric fundus

Q16

41 y/o, male

Sudden onset right flank pain during driving



ANS : spontaneous dissection of
right renal artery

Q17

56 y/o, male

Vomiting for one week

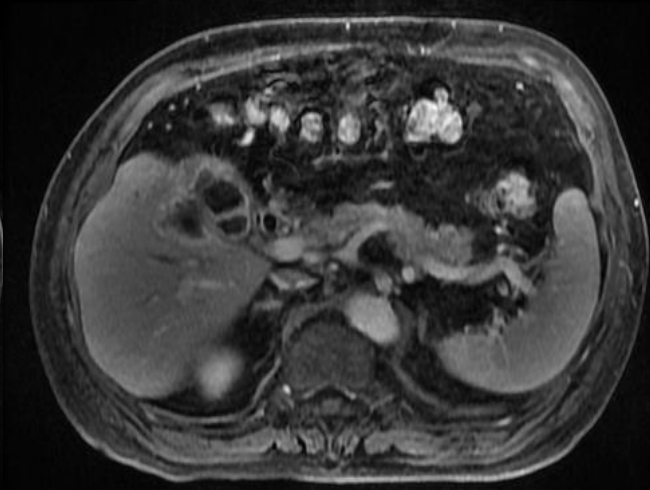
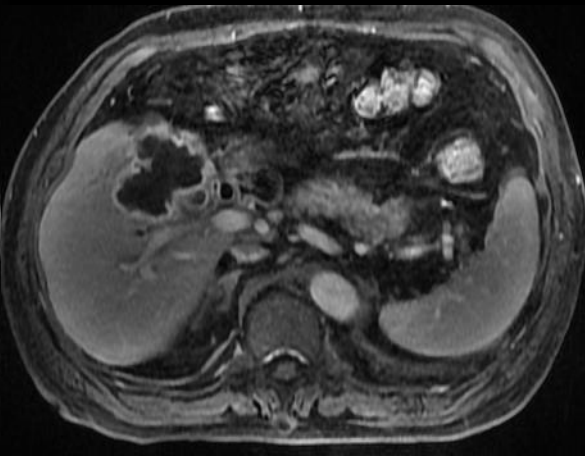
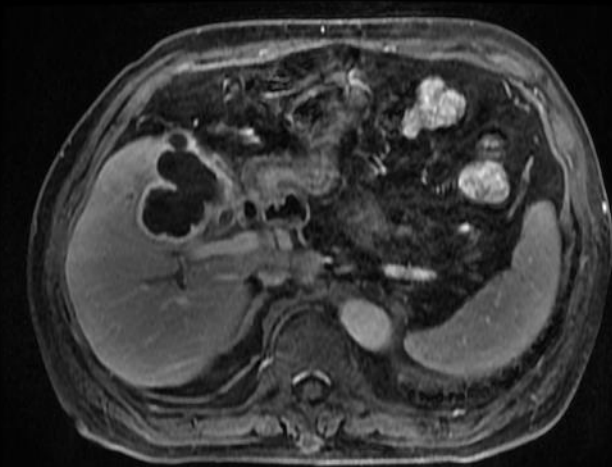
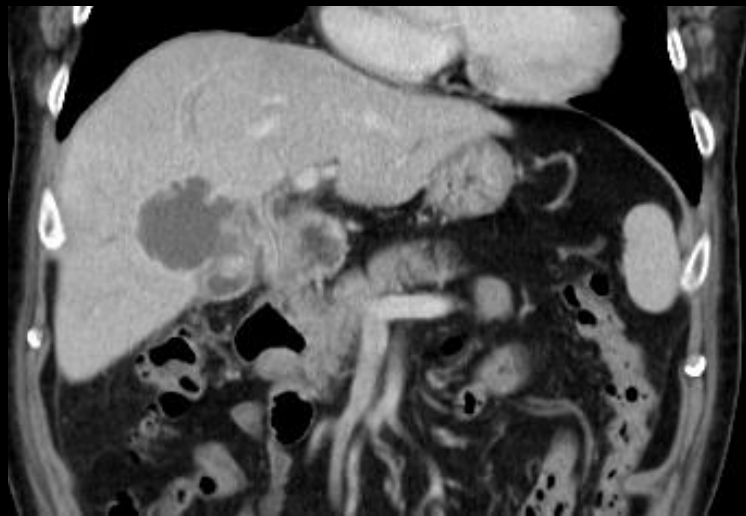


A17

ANS : duodenal cancer

Q18

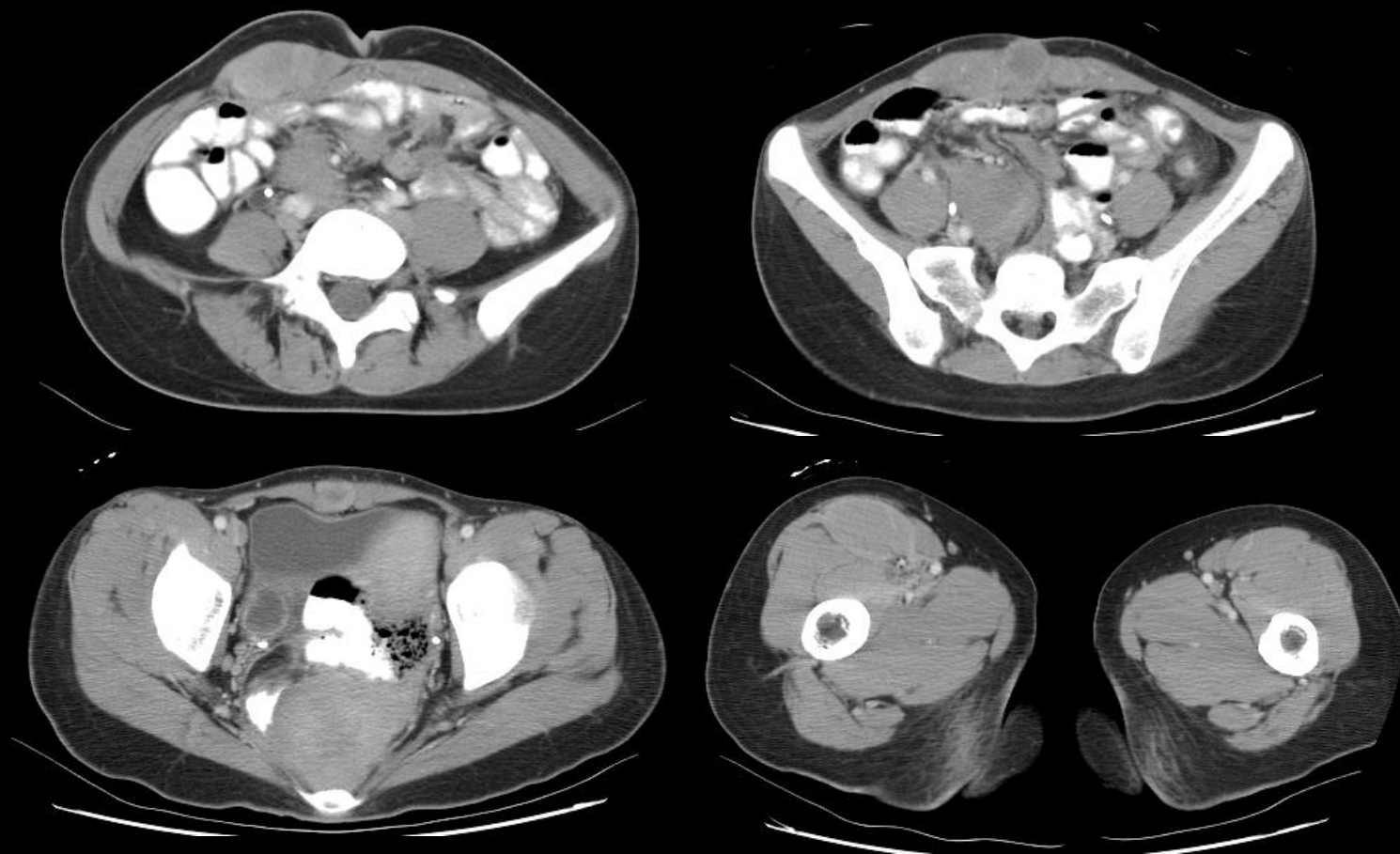
78 y/o, male
Fever and chilliness for
two weeks



ANS : ruptured cholecystitis with liver abscess

Q19

25 y/o female, history of thyroid papillary cancer, status post total proctocolectomy

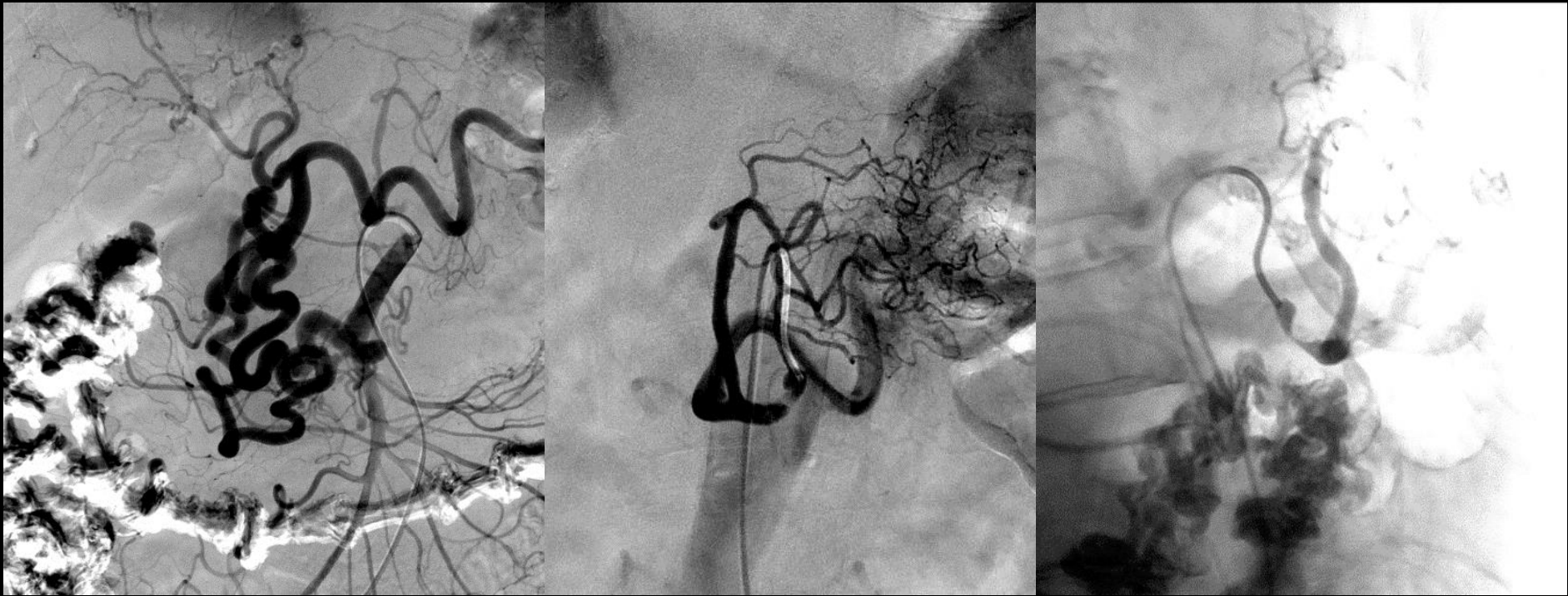


ANS : Gardner's syndrome

Q20

68 y/o, female

Abdominal pain associated with eating



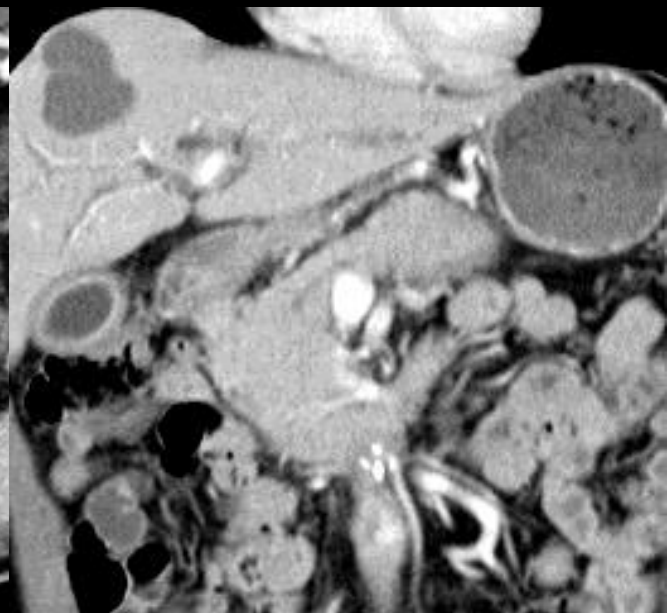
ANS : median arcuate ligament syndrome

Q21

59 y/o, male

Epigastralgia and jaundice for months

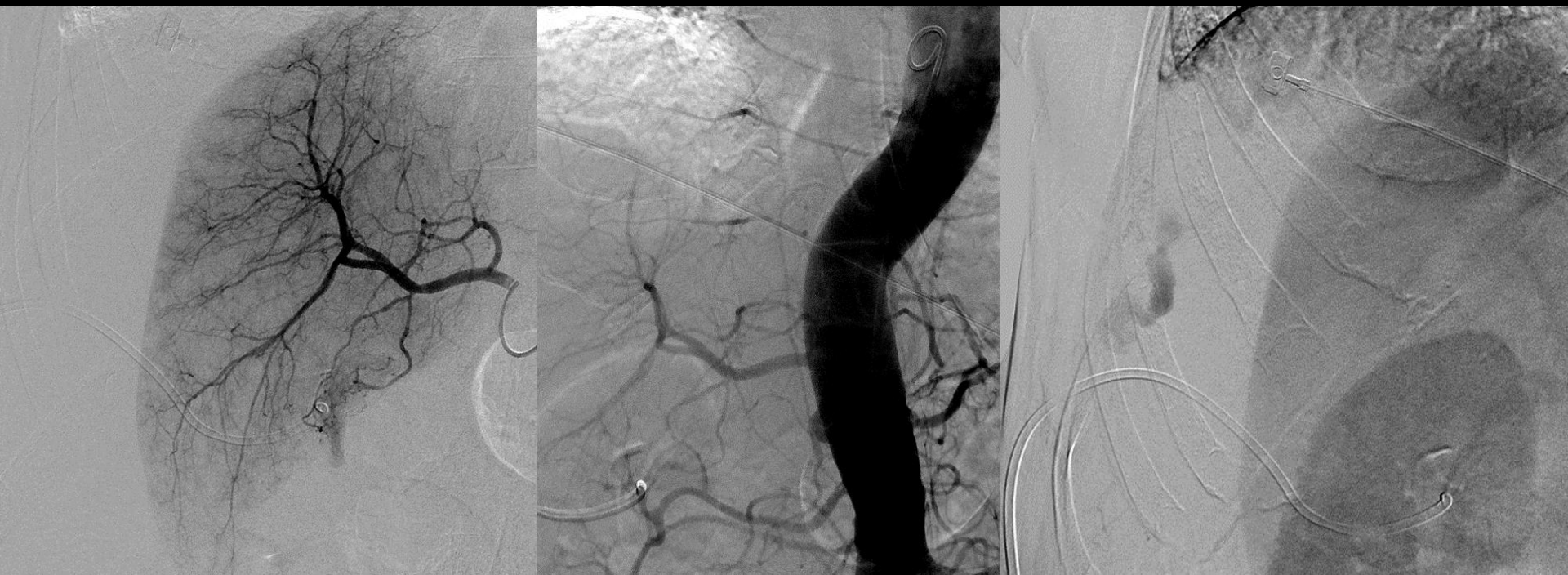
(please point out the major findings except the hepatic cyst and cystic lesion at pancreas tail)



ANS : autoimmune pancreatitis with
sclerosing cholangitis

Q22

80 y/o, male
Pancreas head cancer, s/p PTCD, followed by
abdominal pain



A22

ANS : bleeding from intercostal artery

addendum



Non-contrast CT



Arterial phase CT

Q23

12y/o Male, round back noted

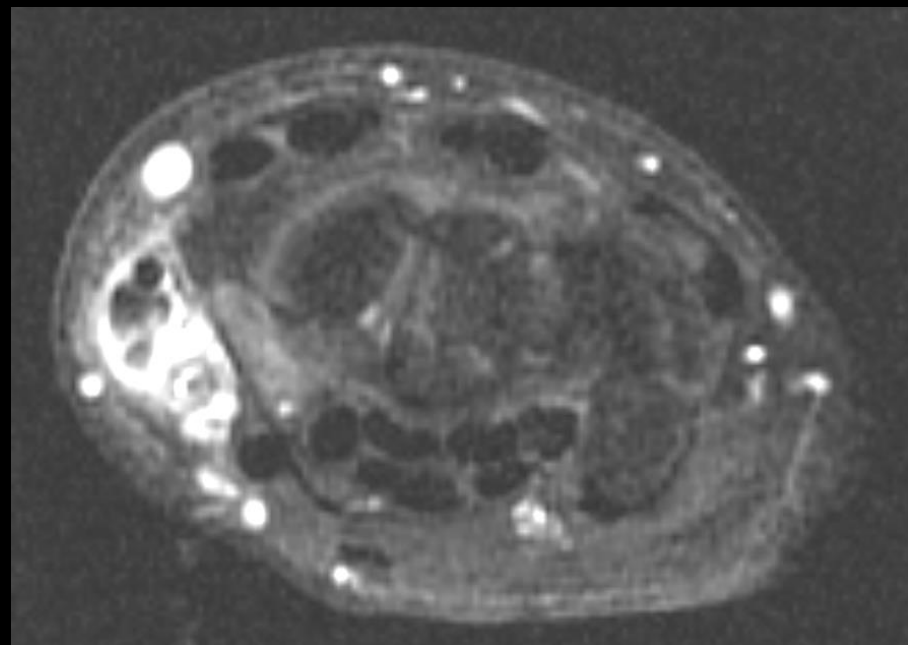
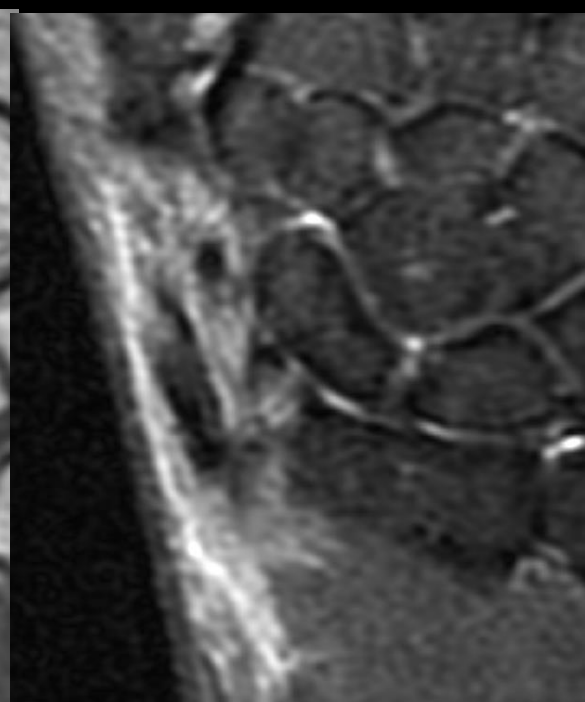
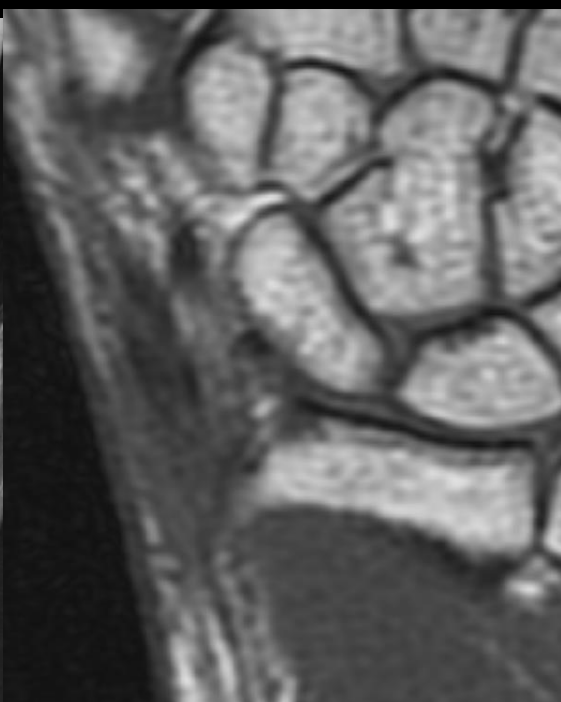


Answer: Scheuermann's disease

Q24



57y/o
Male



Answer: De Quervain's tenosynovitis

Q25

7y/o Male



Answer
Trevor's disease
(Dysplasia epiphysealis hemimelica)

Q26

24y/o Male Baseball player
with shoulder pain for one year

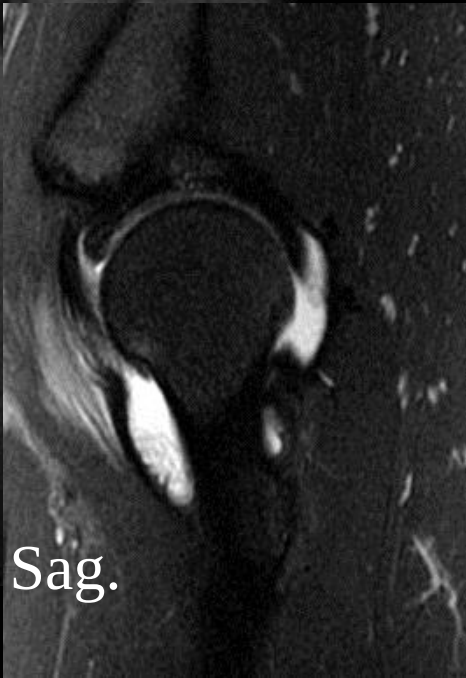


Answer

Bony Bankart with Hill-Sachs lesion

Q27

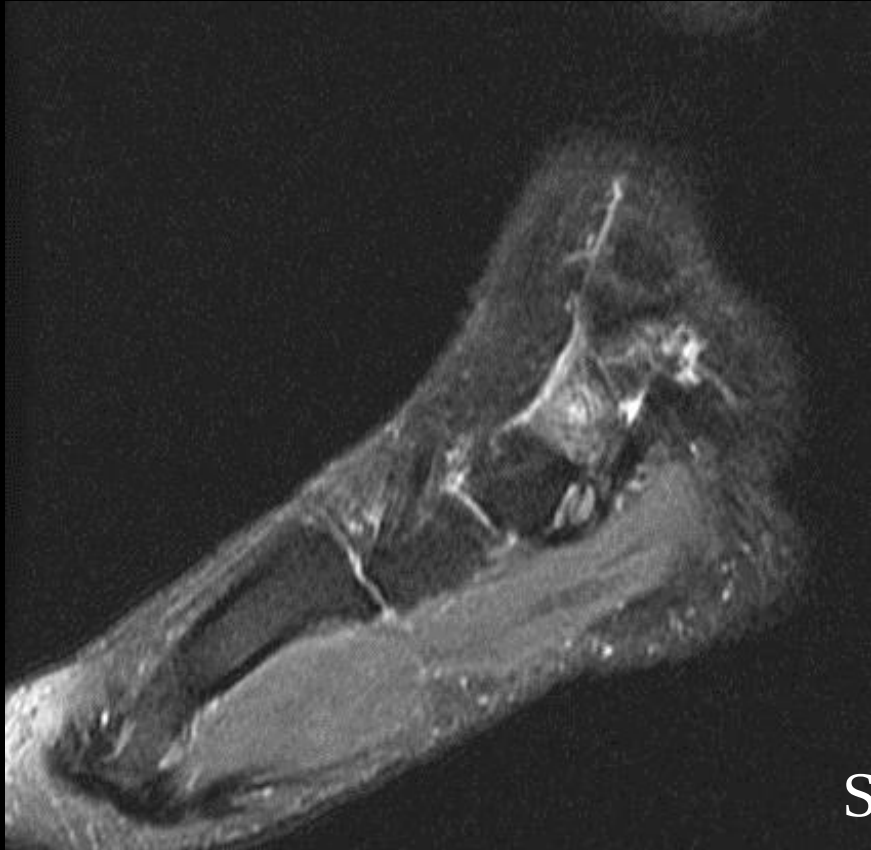
F/18 RT hip pain



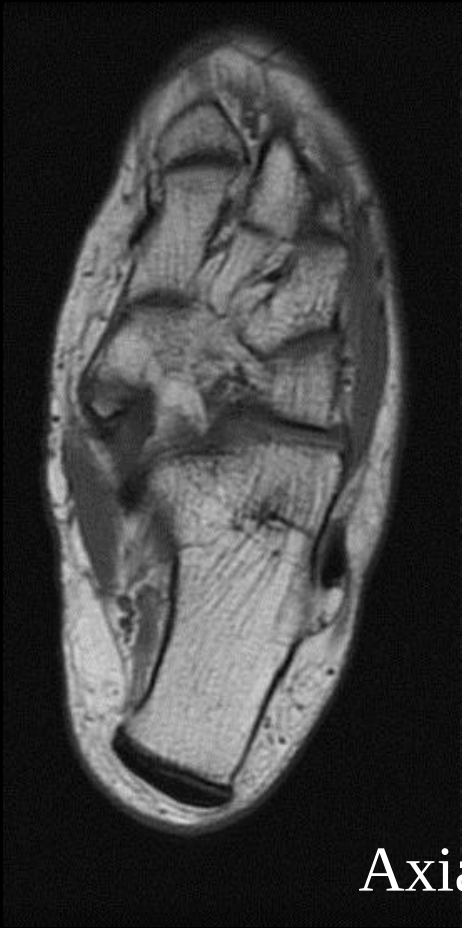
Ans: Femoroacetabular impingement

Q28

F45 medial ankle pain



Sag.



Axial



Ans: Painful accessory navicular

Q29

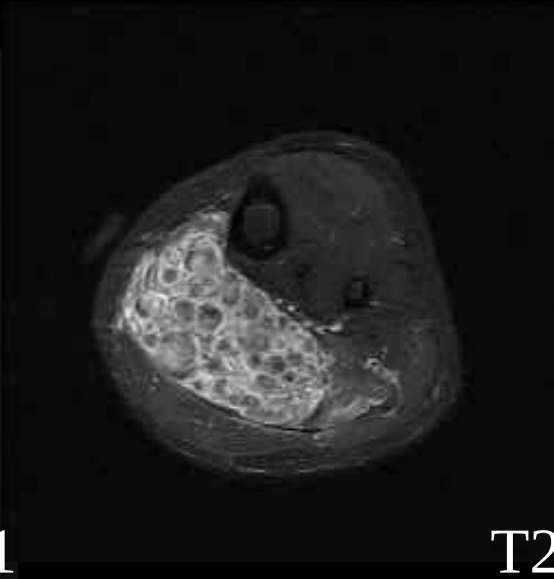
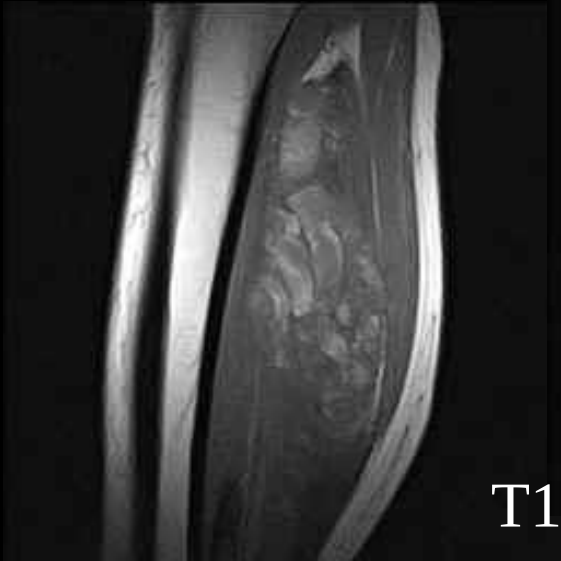
Diagnosis ?



Ans: Hyperparathyroidism;
or Renal osteodystrophy

Q30

M/12 palpable tumor mass over calf

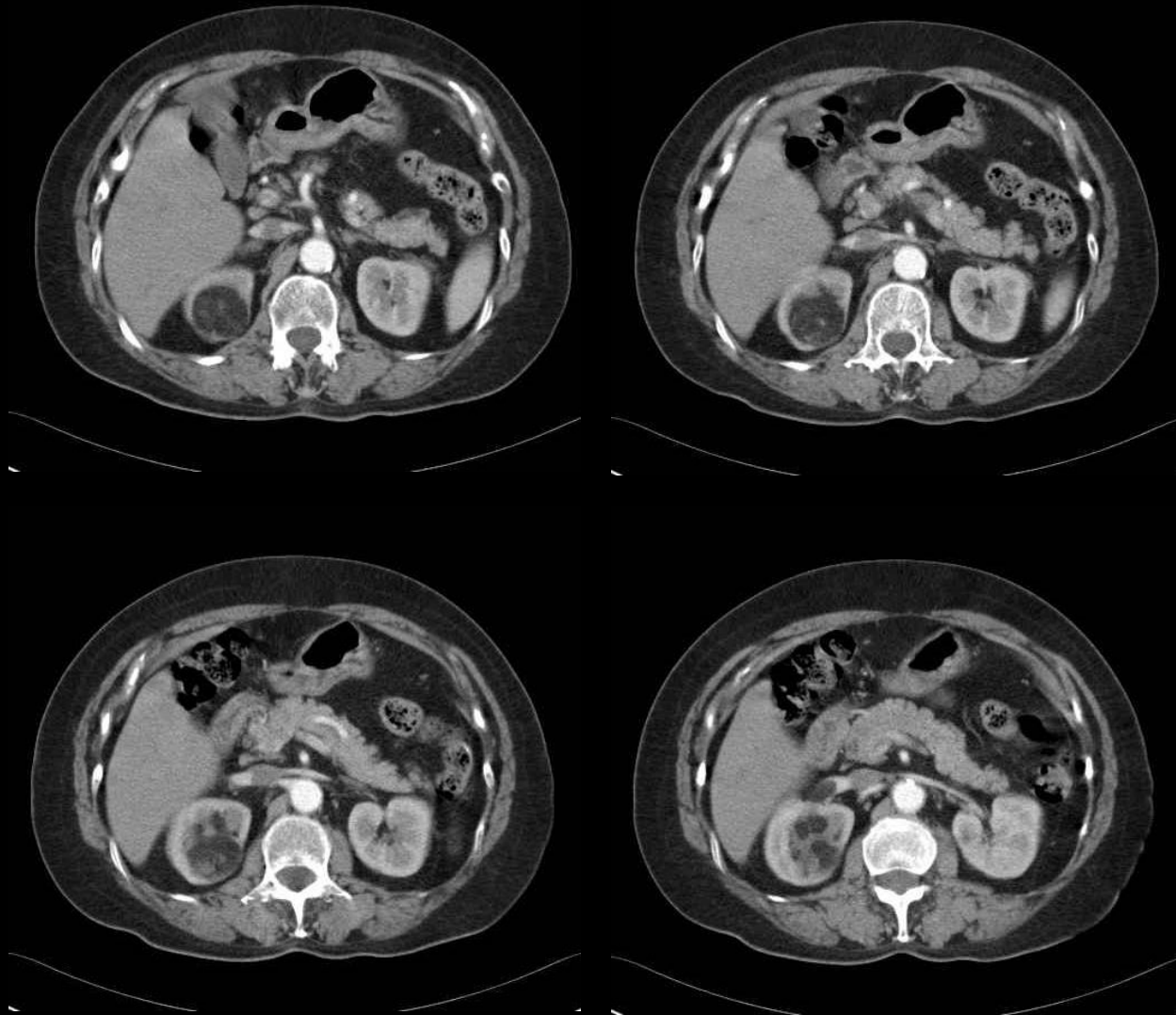


A30

Ans: Hemangioma

Q31

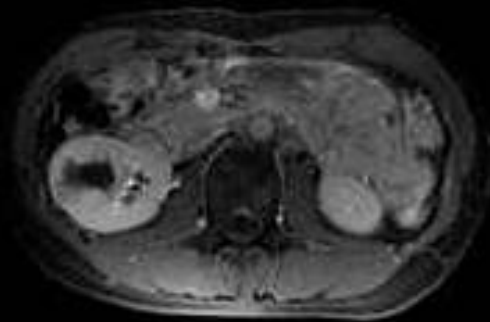
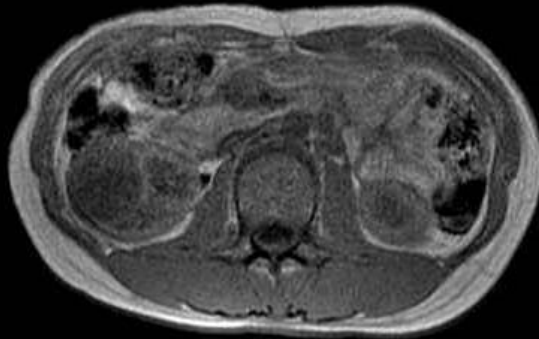
65 y/o, female. Incidentally found



Ans: Right renal angiomyolipoma with tumor thrombus in right renal vein

Q32

19 y/o, female. Incidentally found



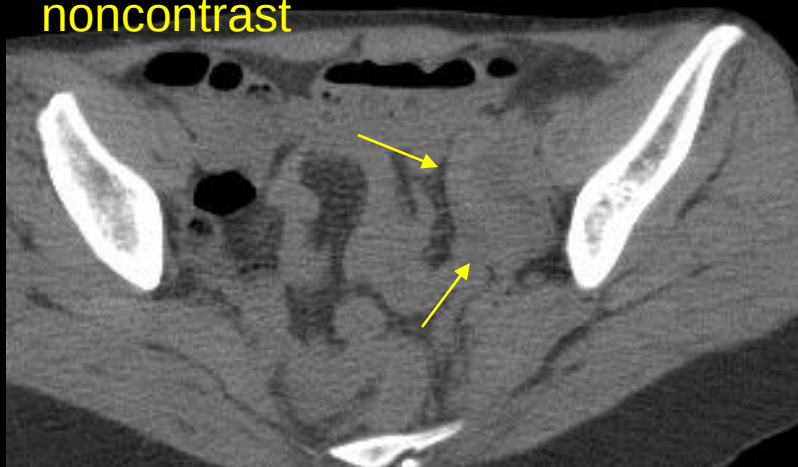
Ans: Right t renal hemangioma

Q33

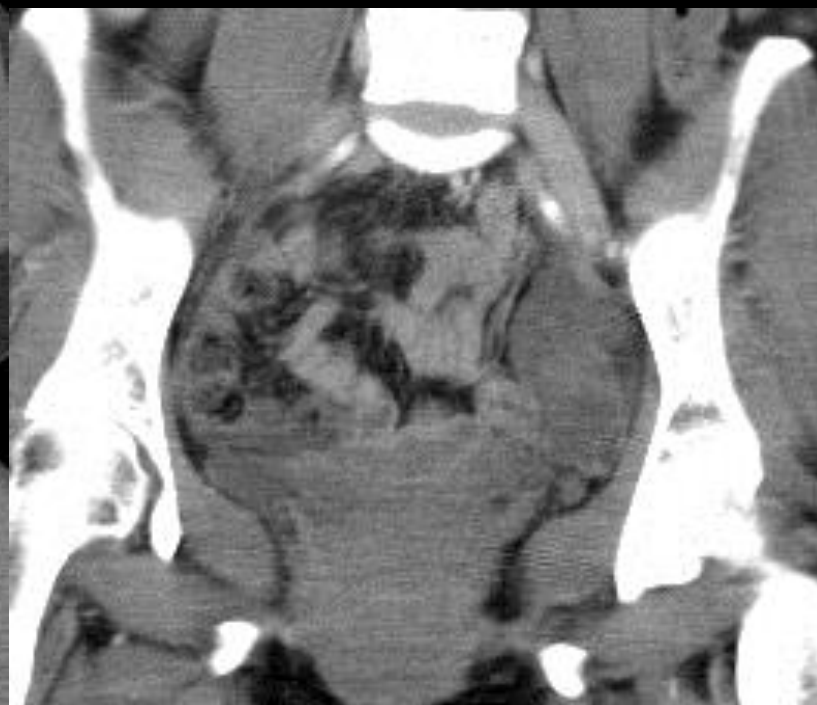
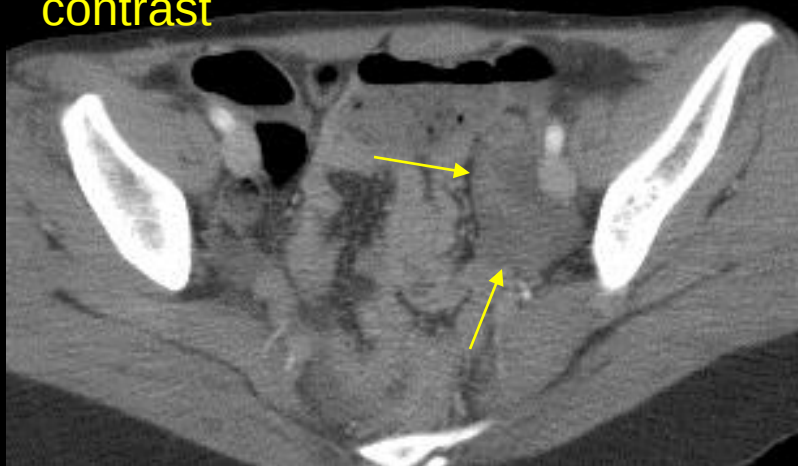
50 y/o, female

Severe left abdominal pain for 1 day

noncontrast



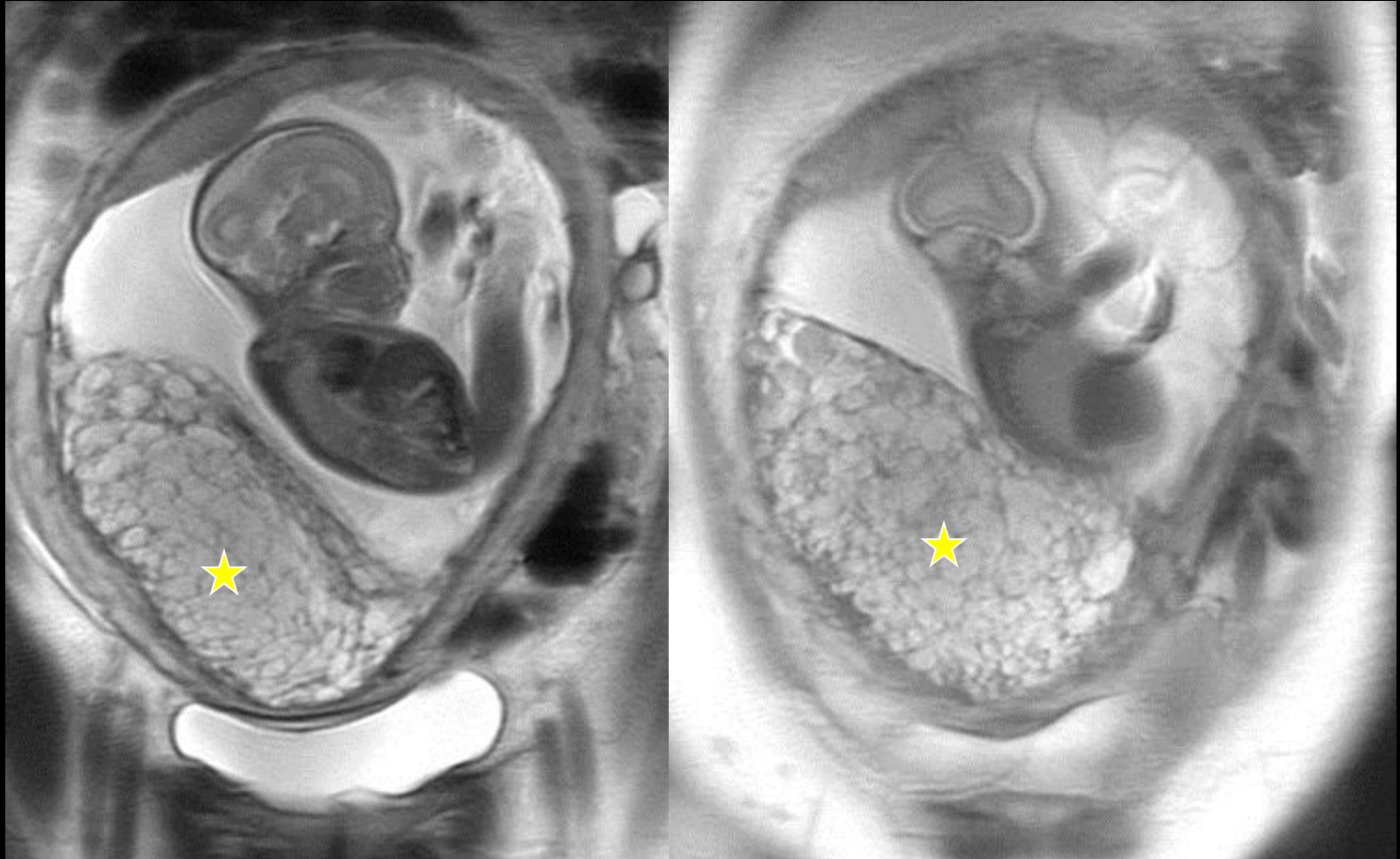
contrast



Ans: Left ovarian torsion

Q34

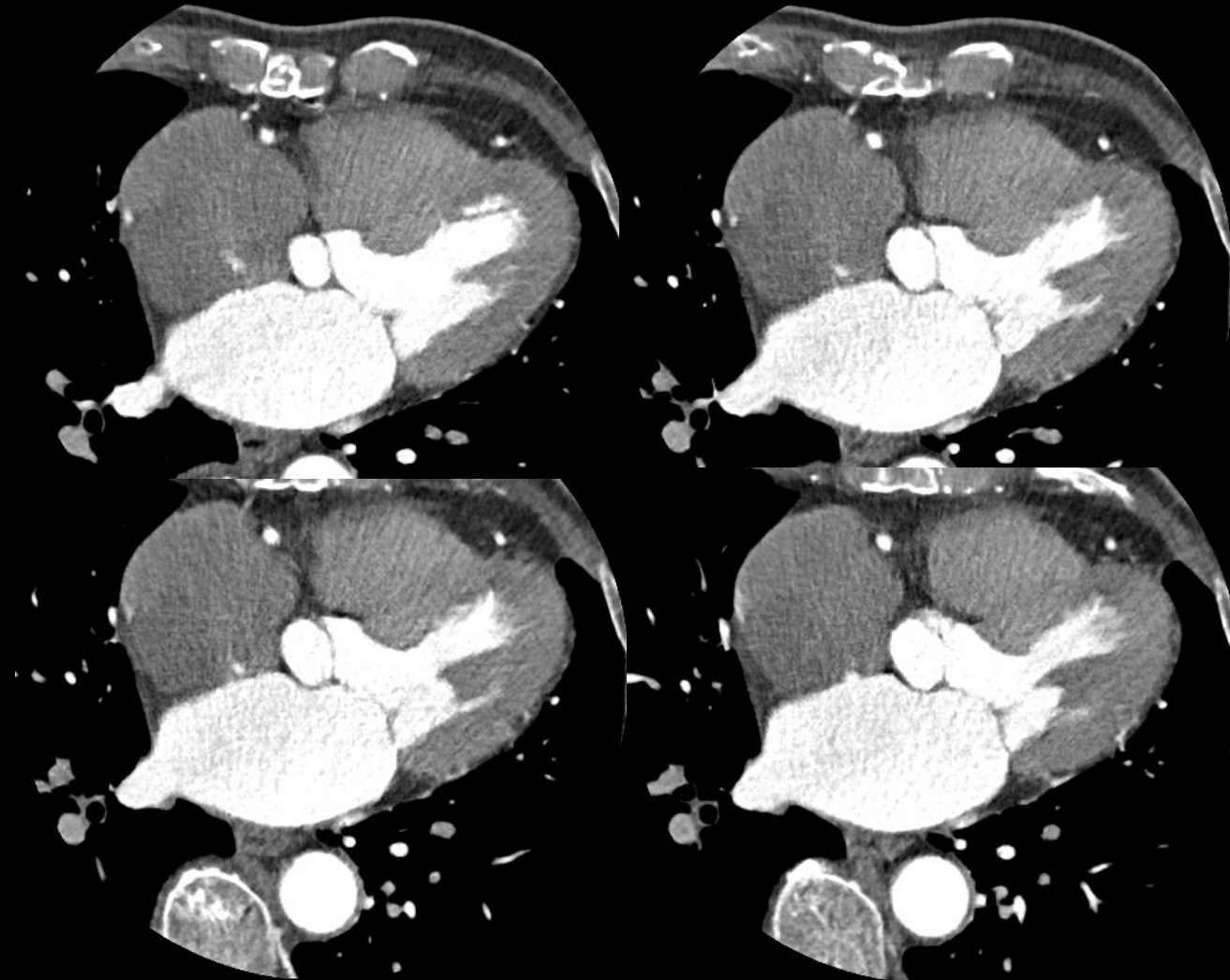
What is the pathology (star)?



Ans: Complete mole (molar pregnancy)

Q35

83/M, check up



83/M, check up

Answer: patent foramen ovale

Q36

M/70
For physical
check up

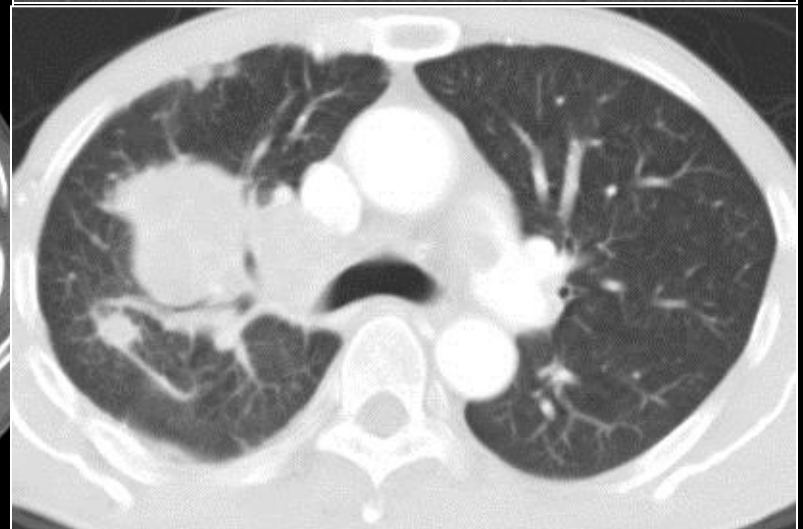
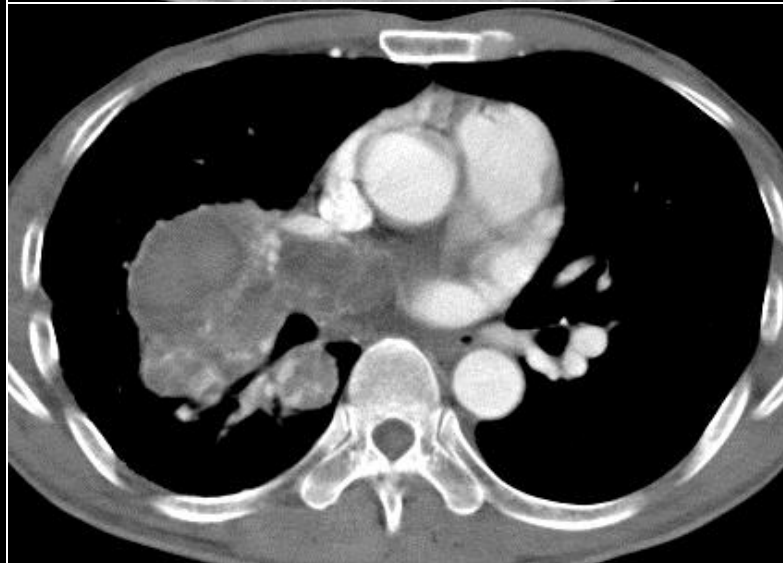
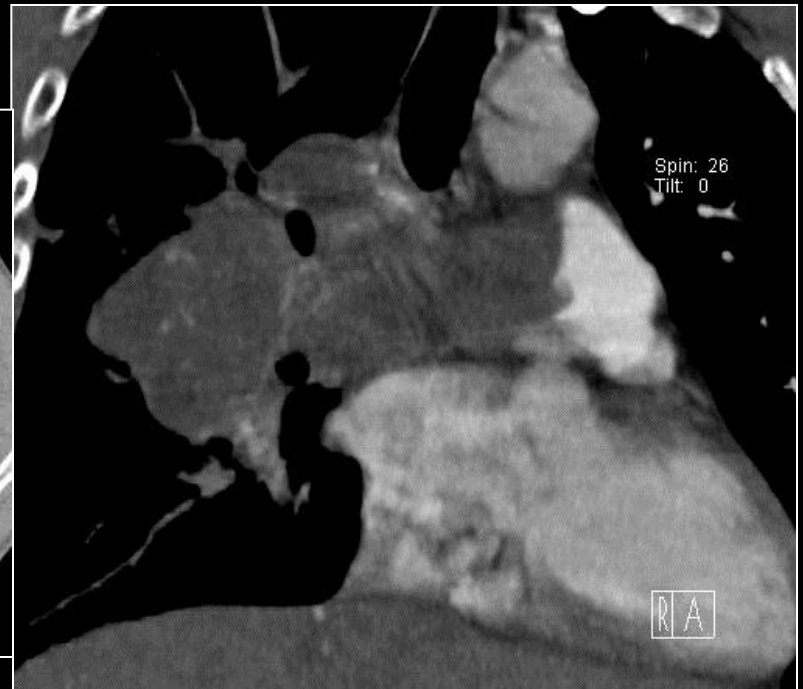
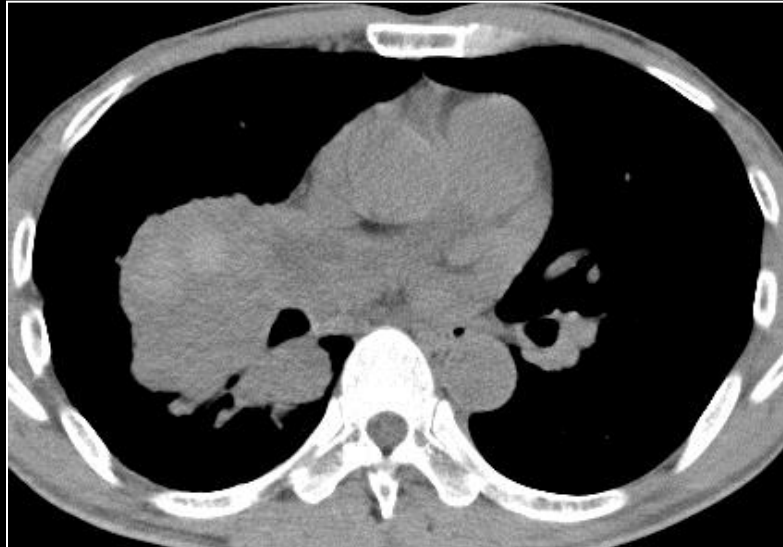


Answer:

Coronary artery fistula-
left circumflex artery to pulmonary trunk

Q37

M/52, Needle-stabbing sensation
for 10 months



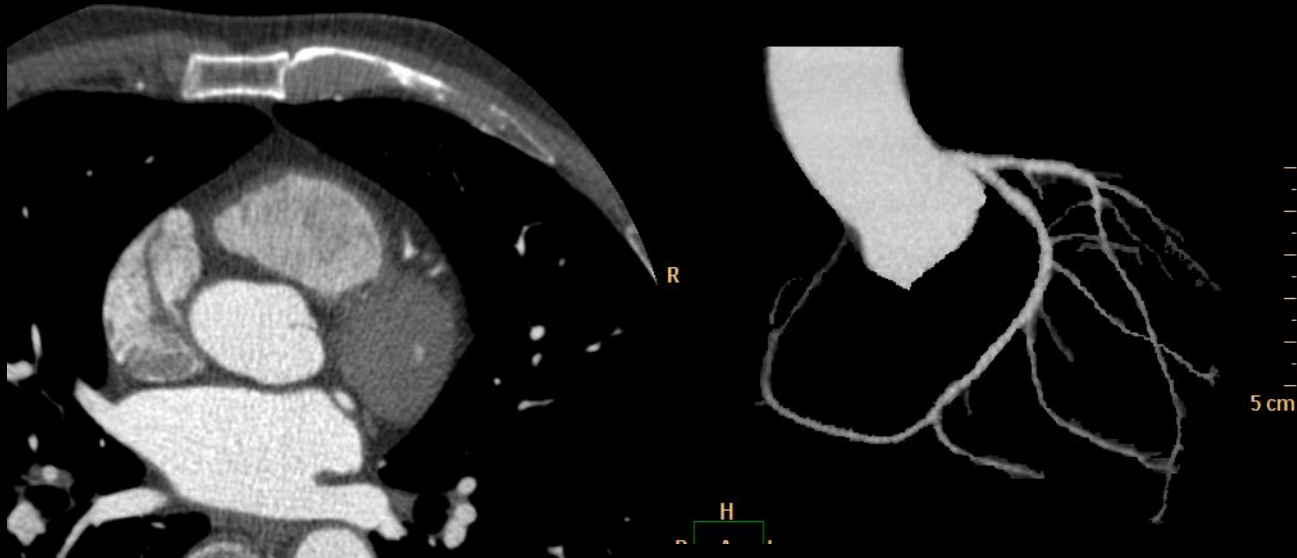
M/52

Needle-stabbing sensation for 10 months

Right pulmonary artery angiosarcoma
with lung metastases

Q38

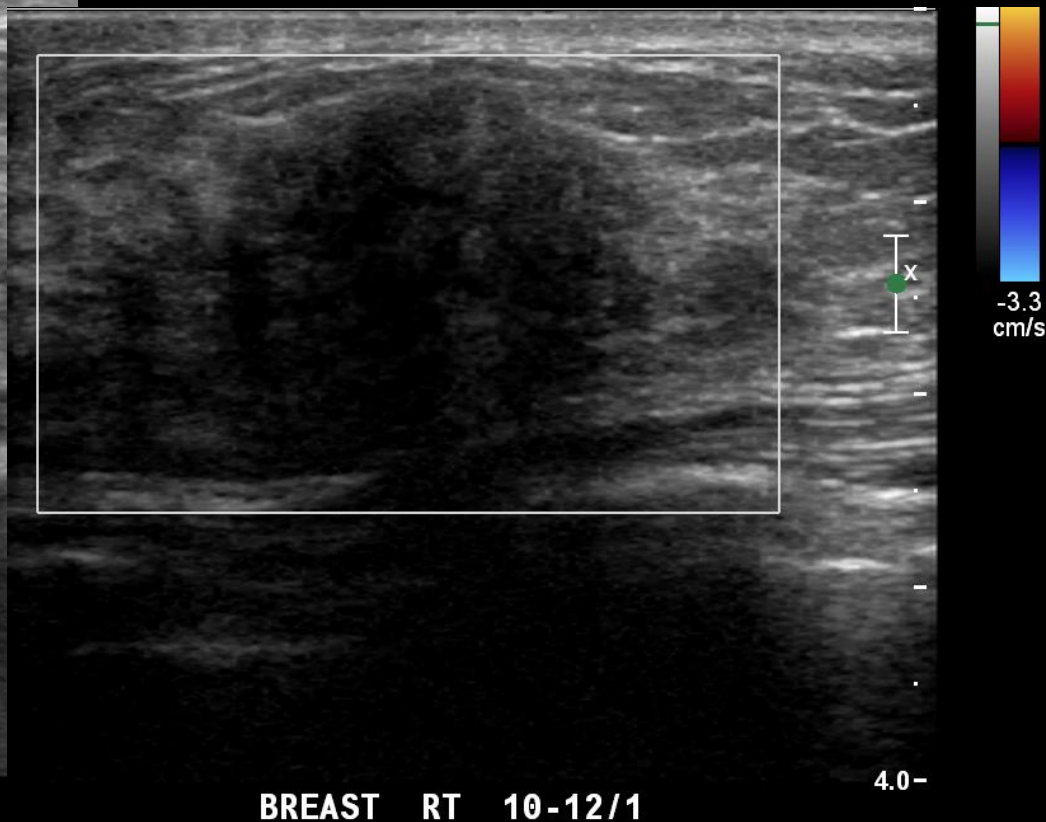
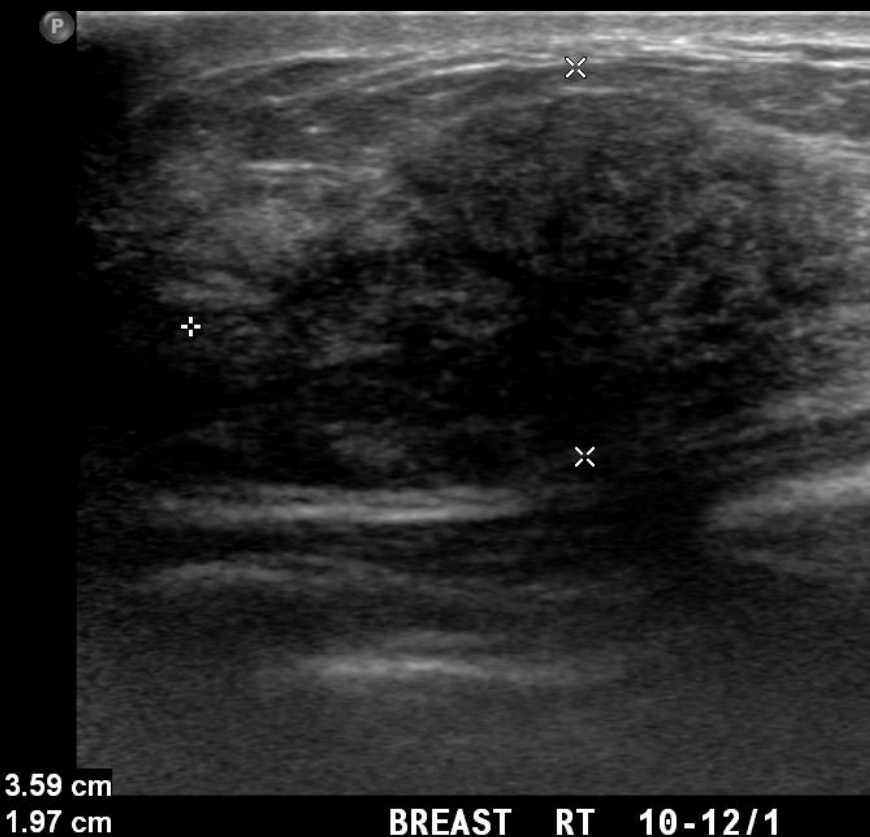
M/44, please name the anomaly



Single coronary artery

Q39

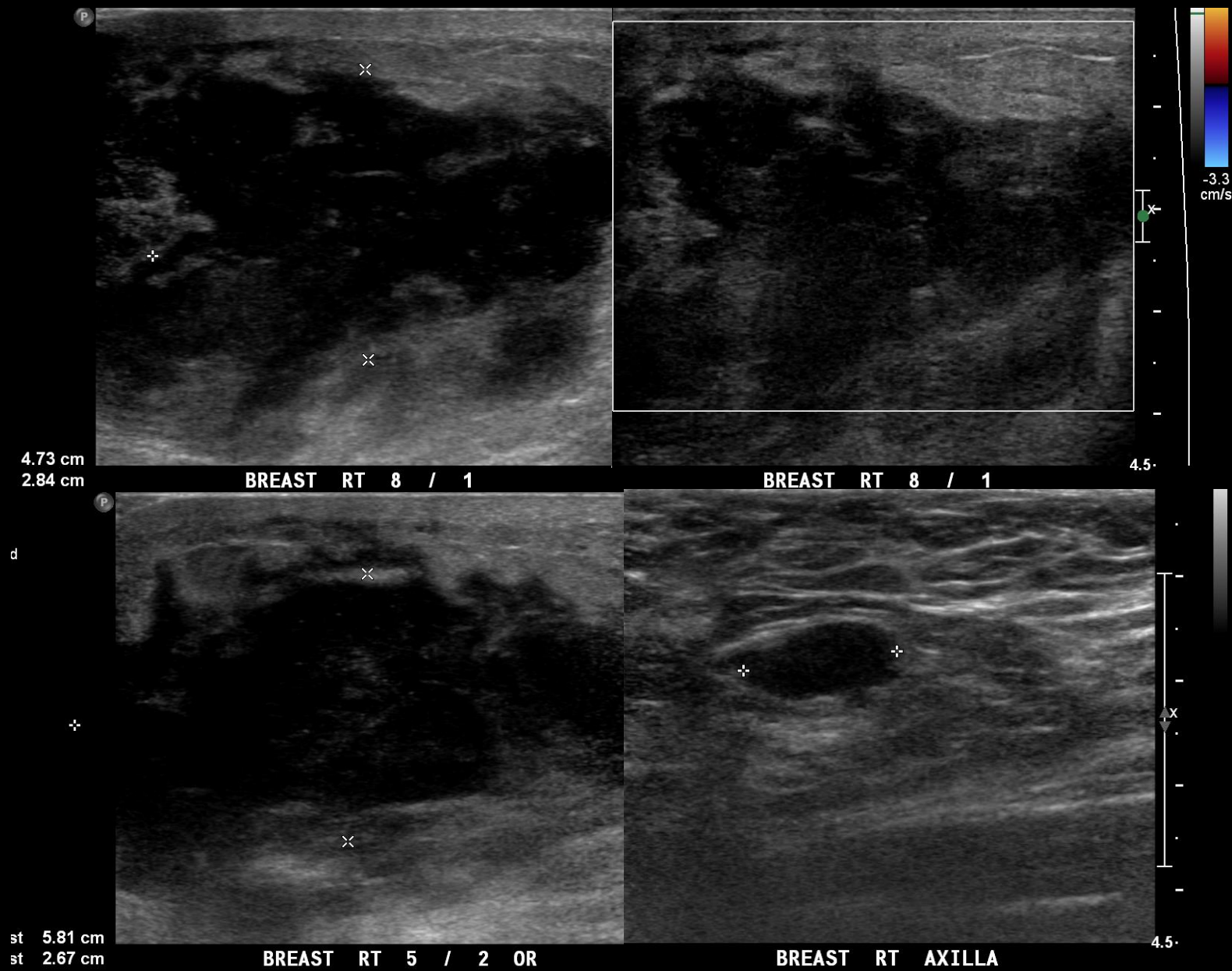
41 y/o female, known to have diabetes mellitus (IDDM) since 16 y/o, bilateral palpable painless breast lumps for a year



Diagnosis: DM mastopathy

Q40

30 y/o female, painful RT breast lump for 3 days

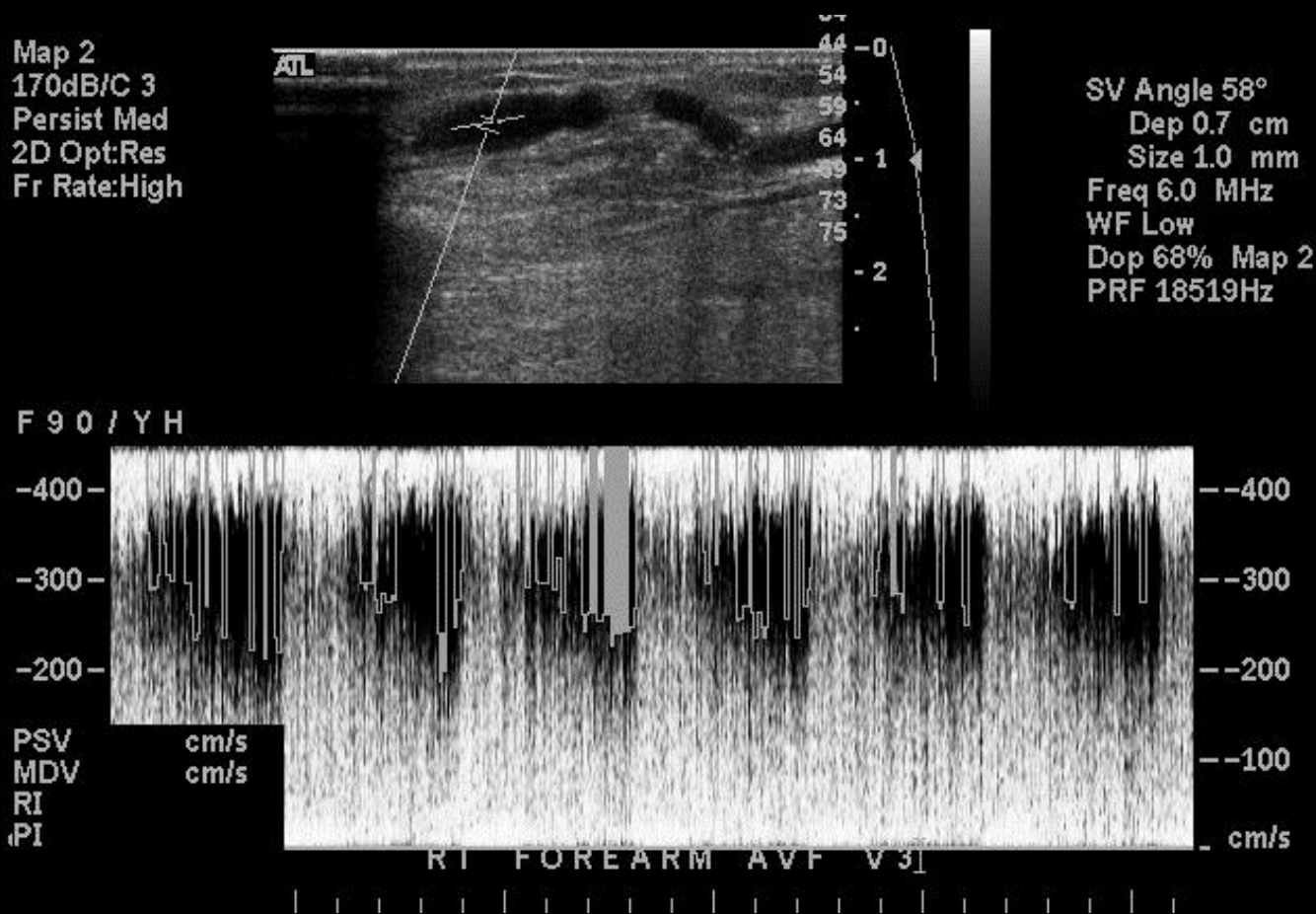


Diagnosis: Mastitis with abscess formation

Q41

下圖為一頻譜都卜勒檢查(spectral Doppler examinations)，
下列何者敘述正確？

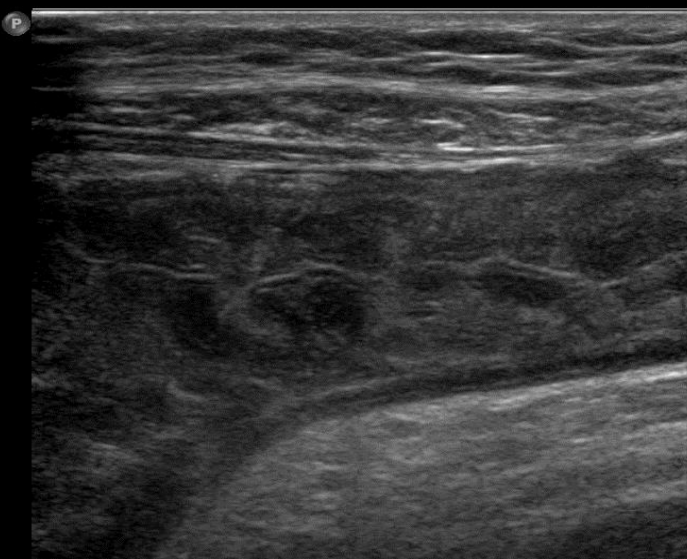
- (A) 最高流速為200cm/sec
- (B) 最高流速為-200cm/sec
- (C) 黑色區才是真正的血流信號區
- (D) 此頻譜圖有aliasing



Diagnosis: D

Q42

82歲男性病人，急性腹痛，發燒 39°C ，腹部超音波檢查如下四圖，其判斷最可能是：(A) 腸陳栓塞 (infarction)，(B) 腸壁內出血 (intramural bleeding) (C) 偽膜性大腸炎 (pseudomembranous colitis) (D) 克隆氏症 (Crohn's Disease)



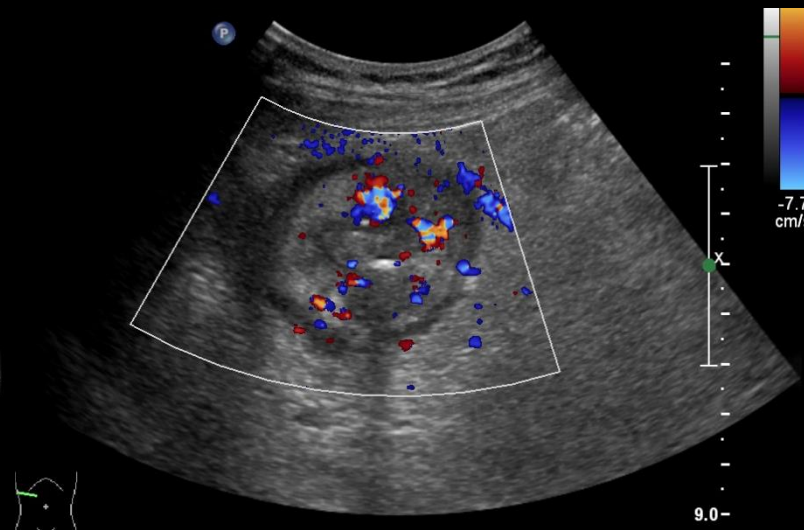
Rt flank: sagittal scan



Upper abdomen: transverse scan



Lt flank: sagittal scan



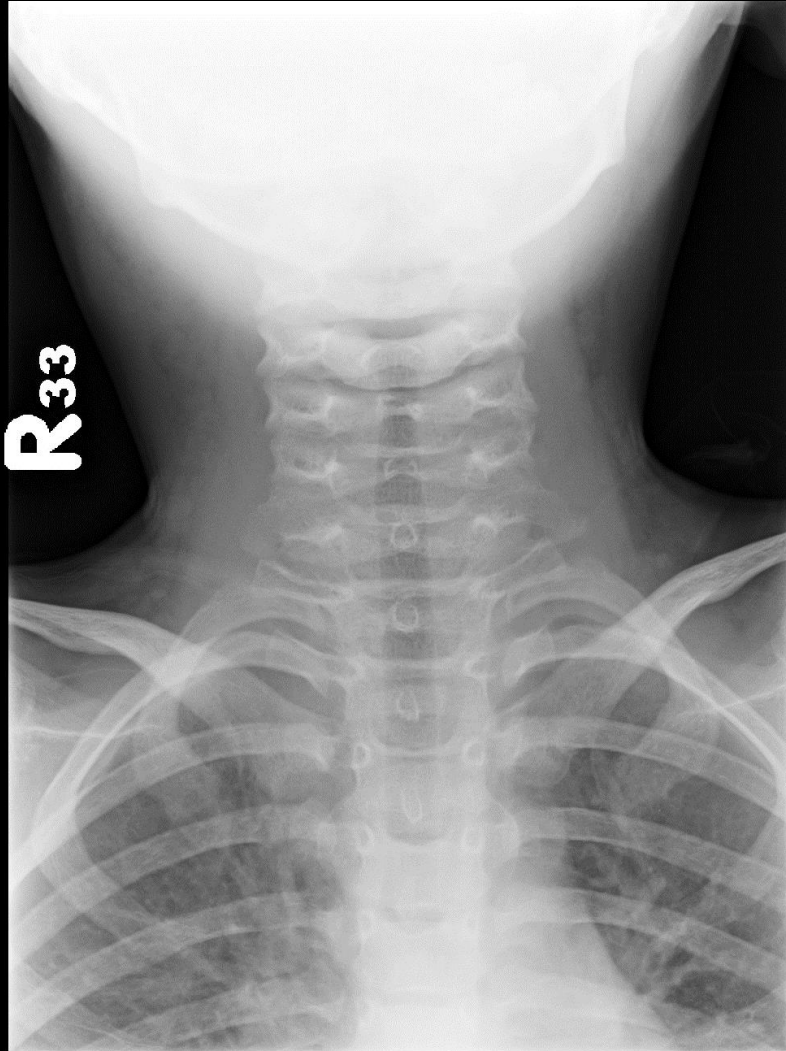
Rt flank: transverse scan(color Doppler)

Diagnosis: C

Q43

M/4yrs, WBC 11790/cumm

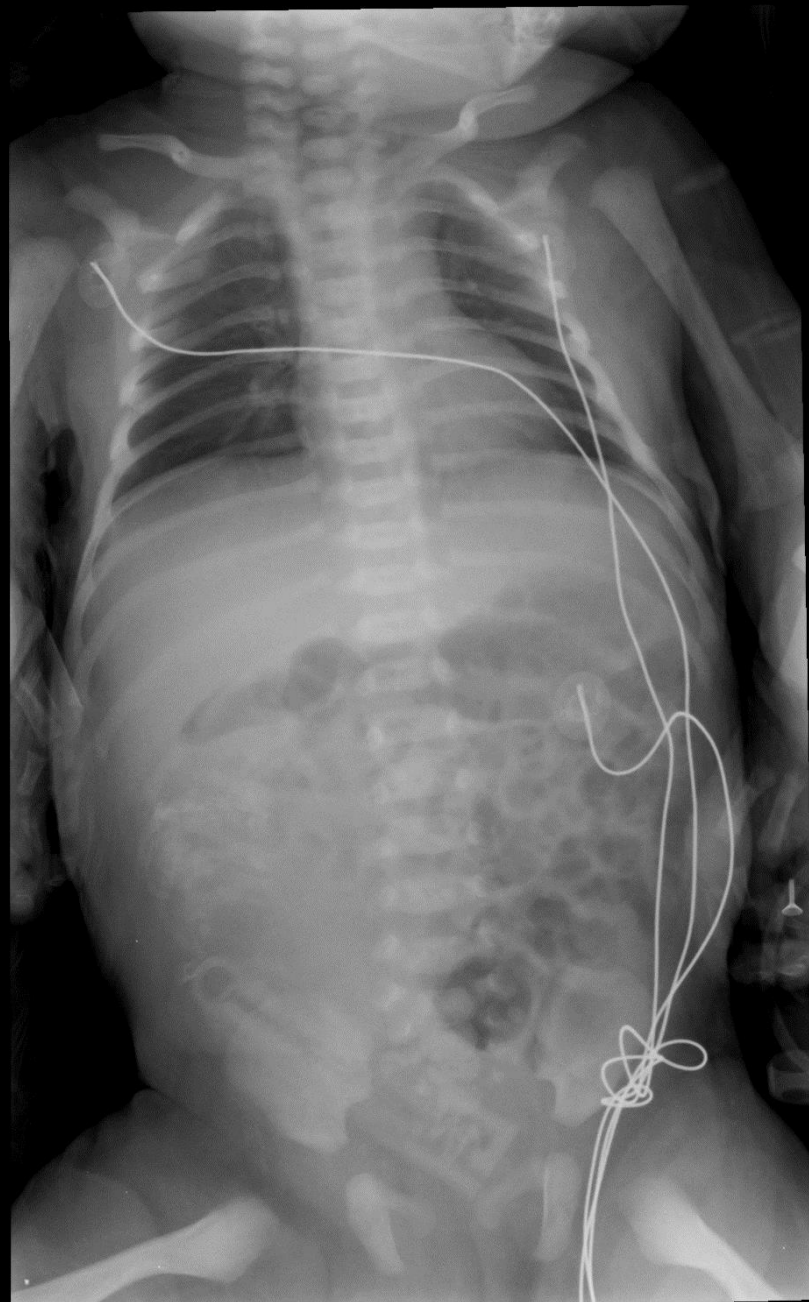
Seg 80%, CRP 0.29 MG/DL



ANS: Tonsillitis

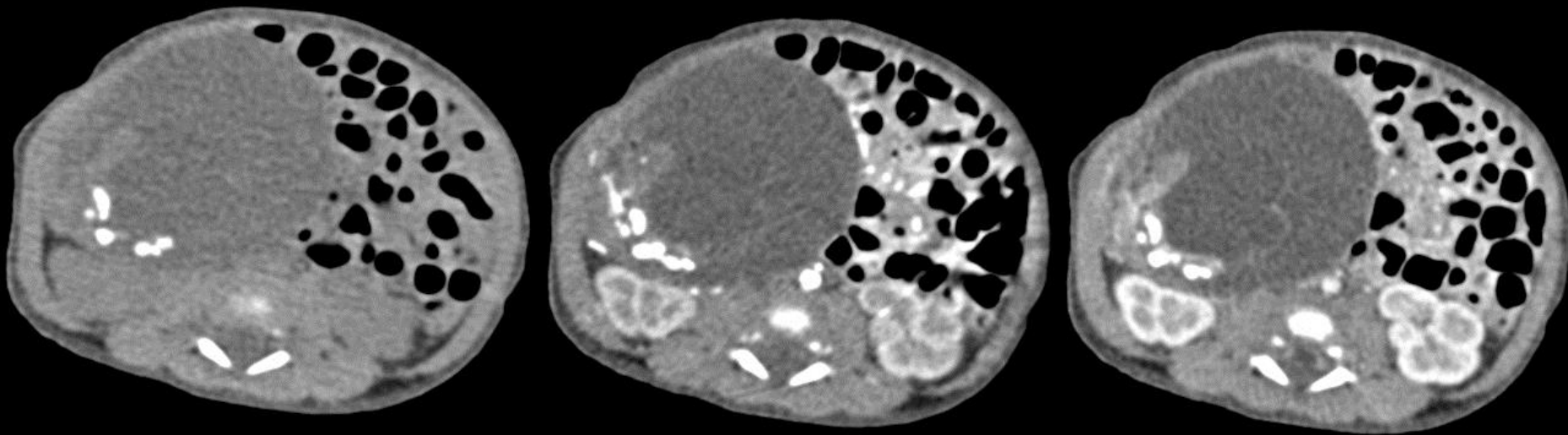
Q44-1

M/1 day old
abdominal mass



Q44-2

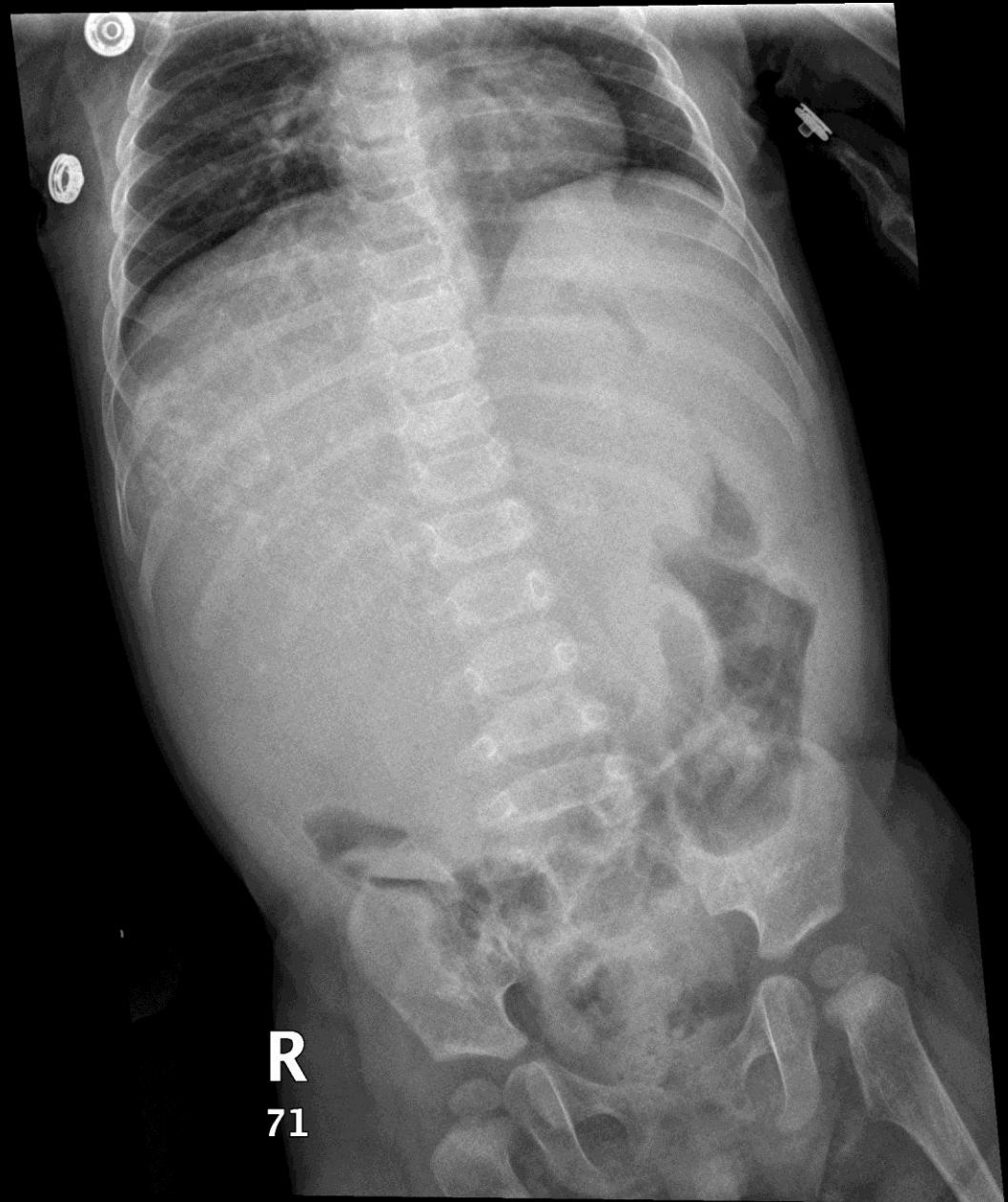
M/1 day old, abdominal mass



ANS: Teratoma

Q45-1

F/8 months
Frequent
vomiting



Q45-2

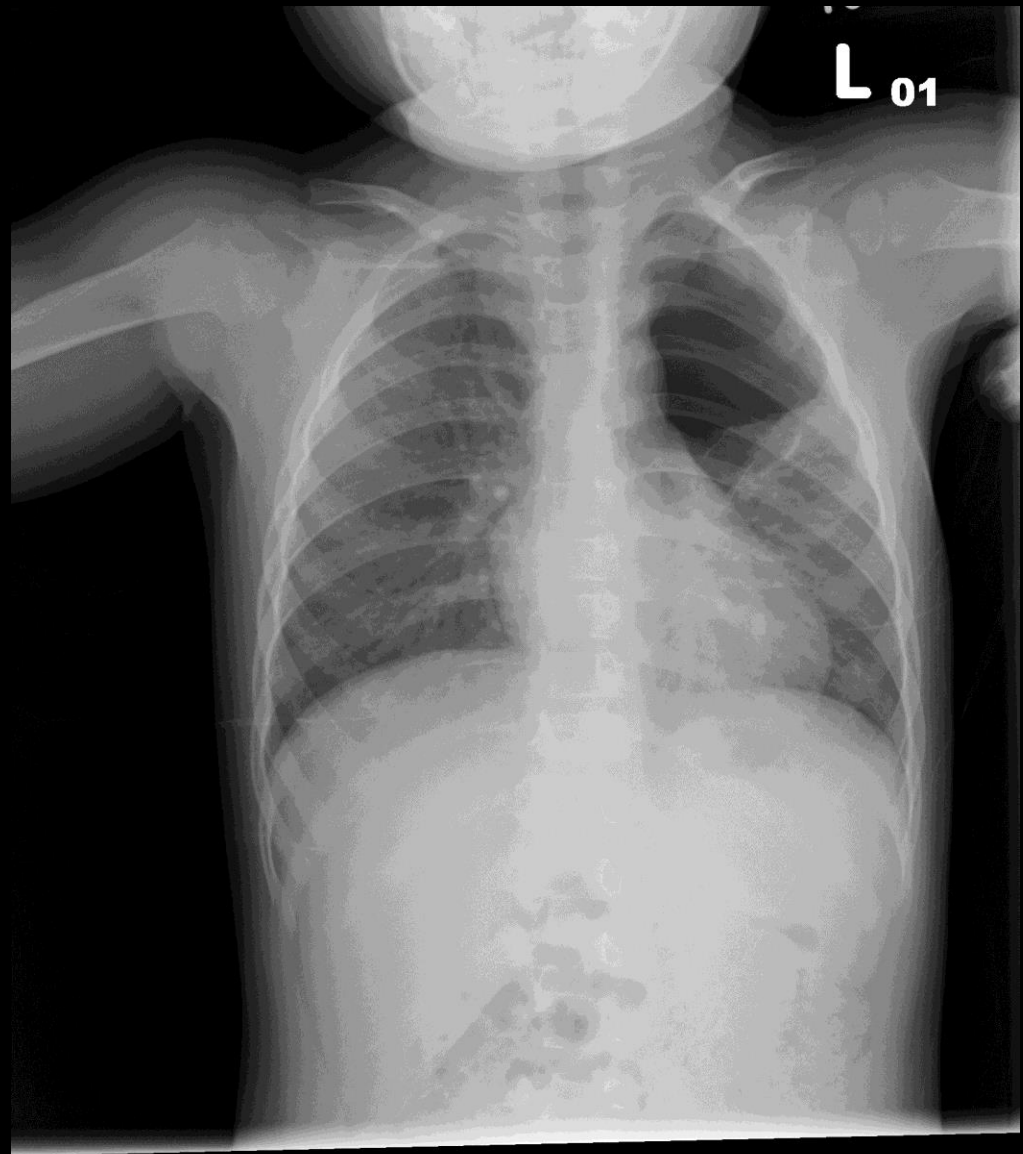
F/8 months
Frequent
vomiting



ANS: Hepatoblastoma

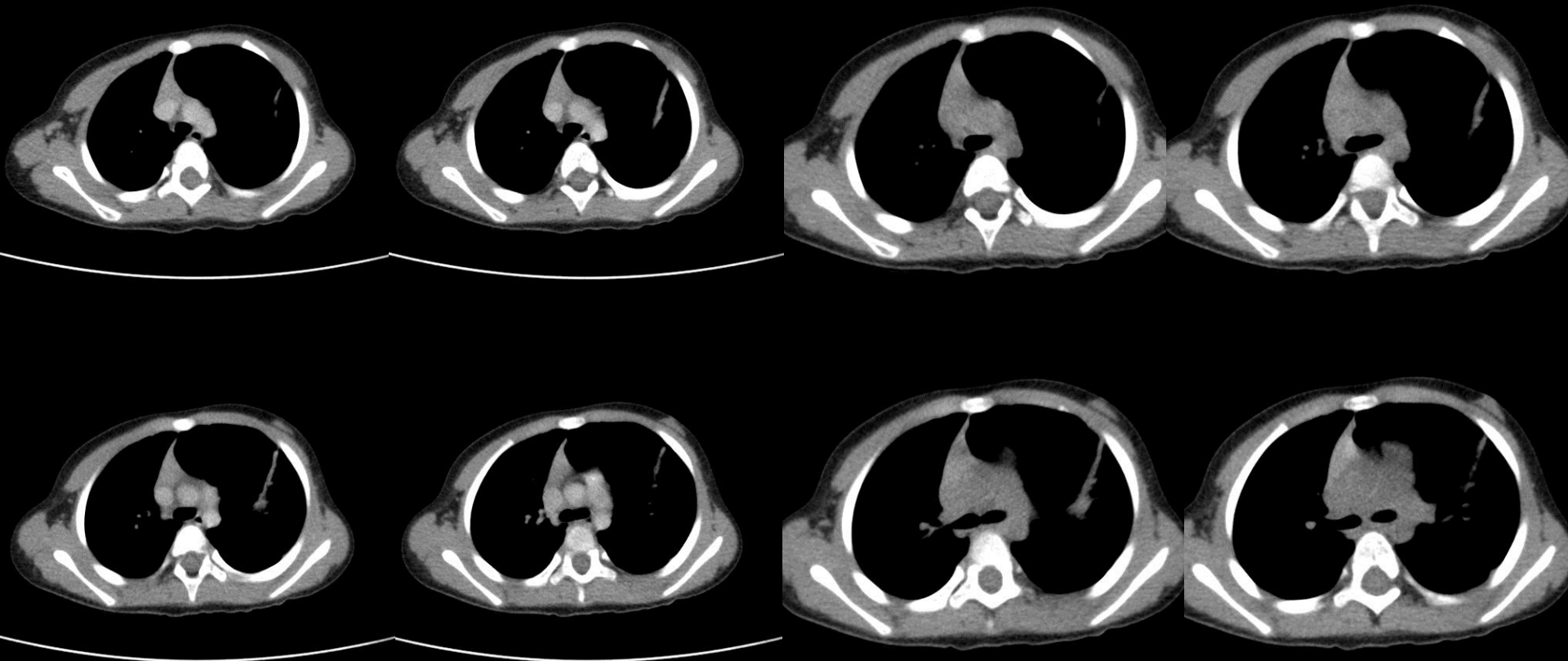
Q46-1

F/1yr
Dyspnea



Q46-2

F/1yr
Dyspnea



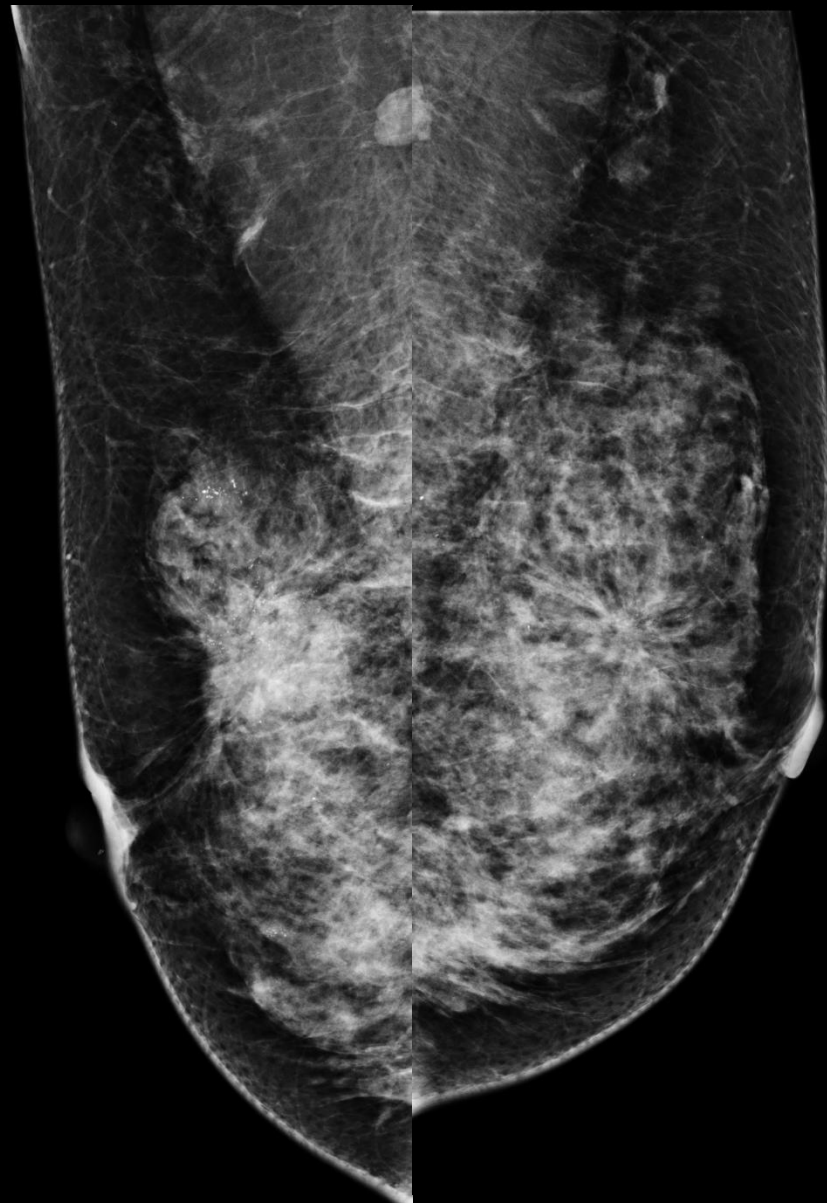
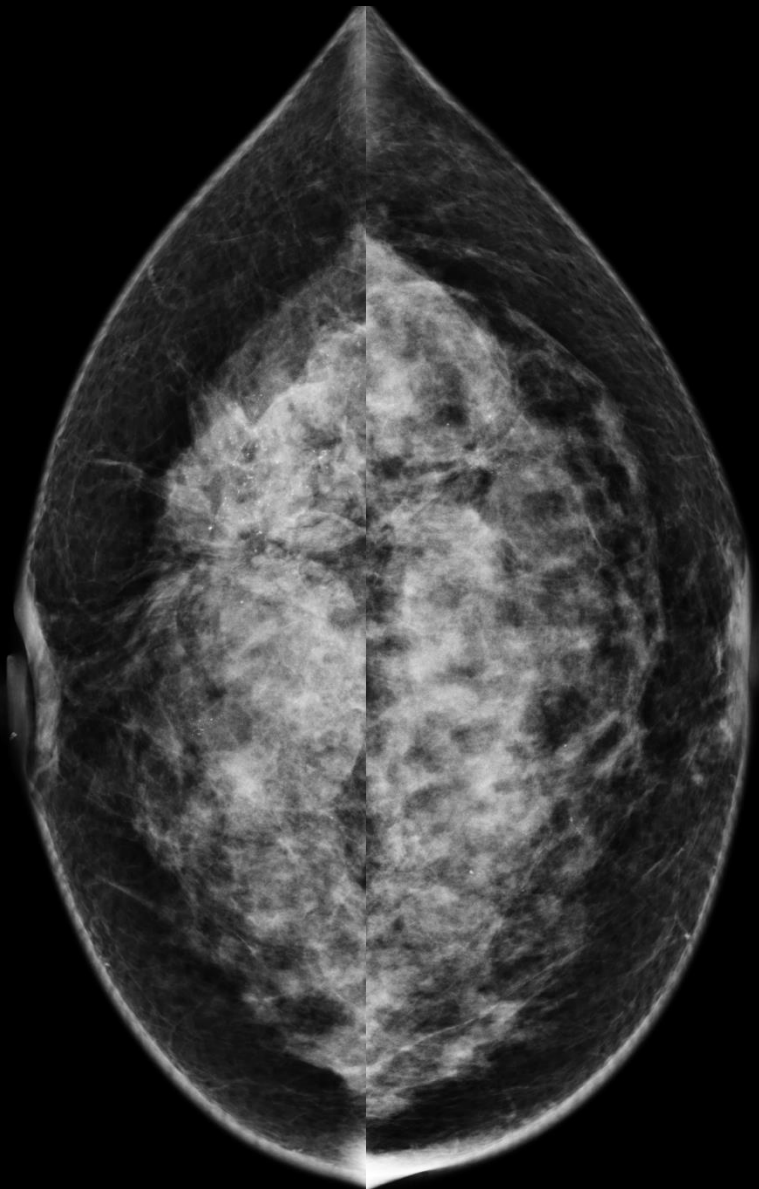
Ans: Congenital pulmonary airway
malformation →

CPAM } 全對
CCAM }

Luy Cyst → 半對

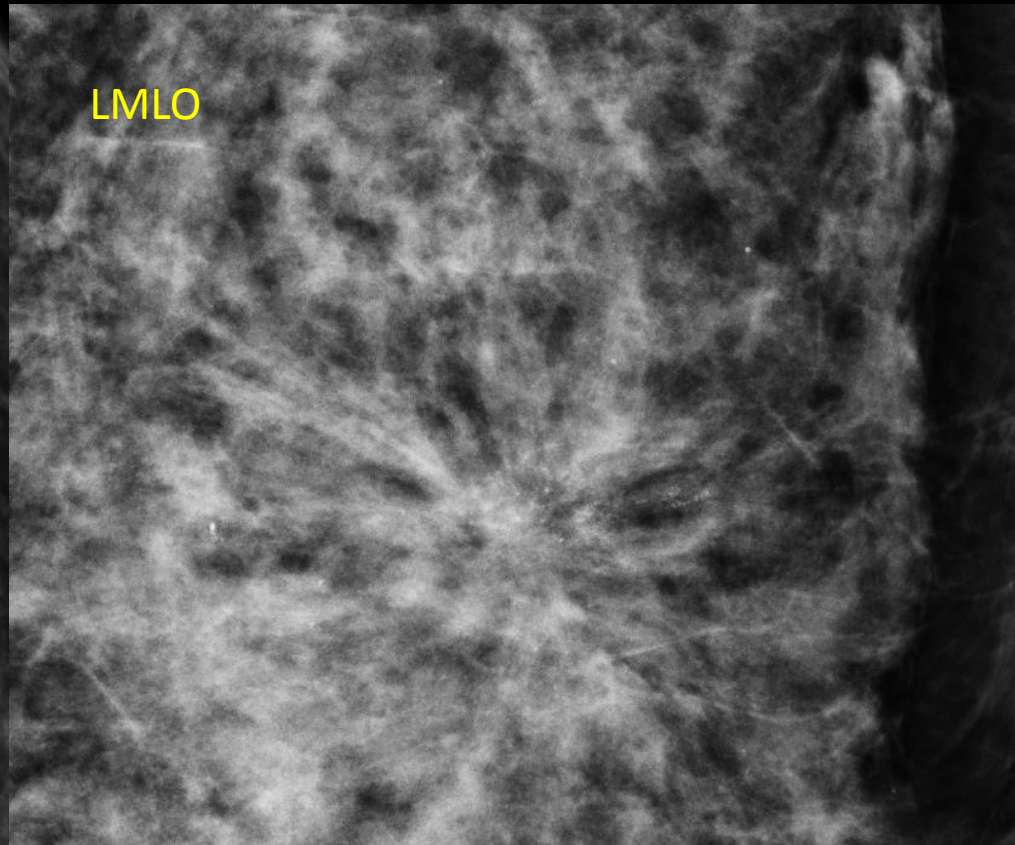
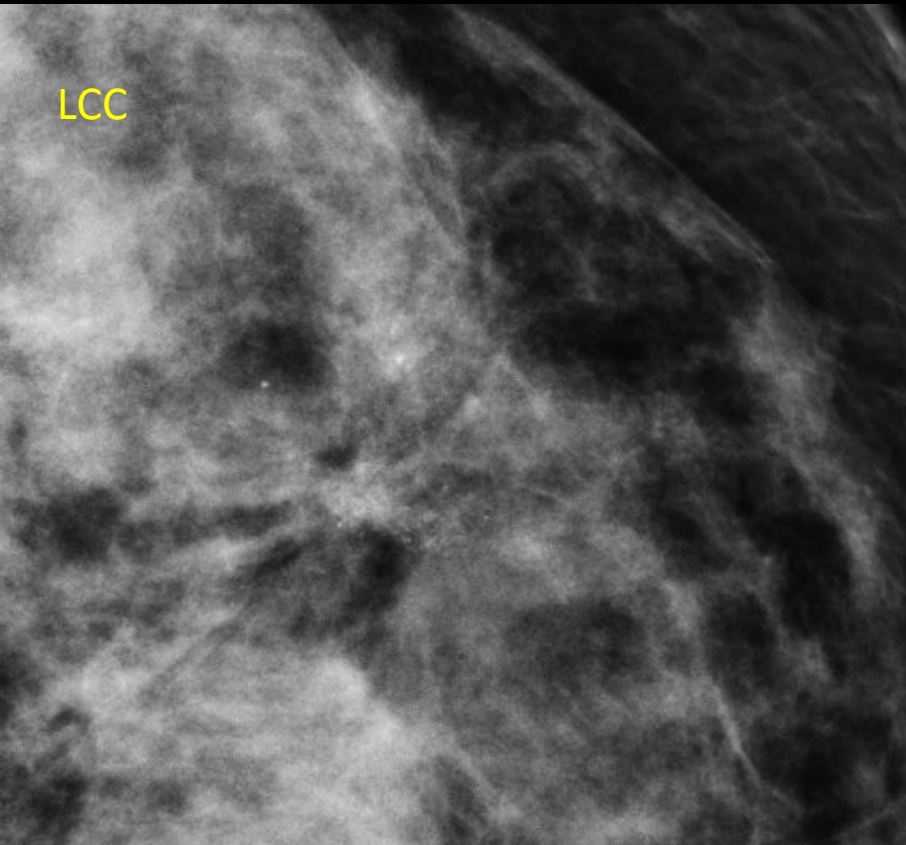
Q47-1

51 y/o, screening mammography,
family history (+)



Q47-2

51 y/o, screening mammography,
family history (+)



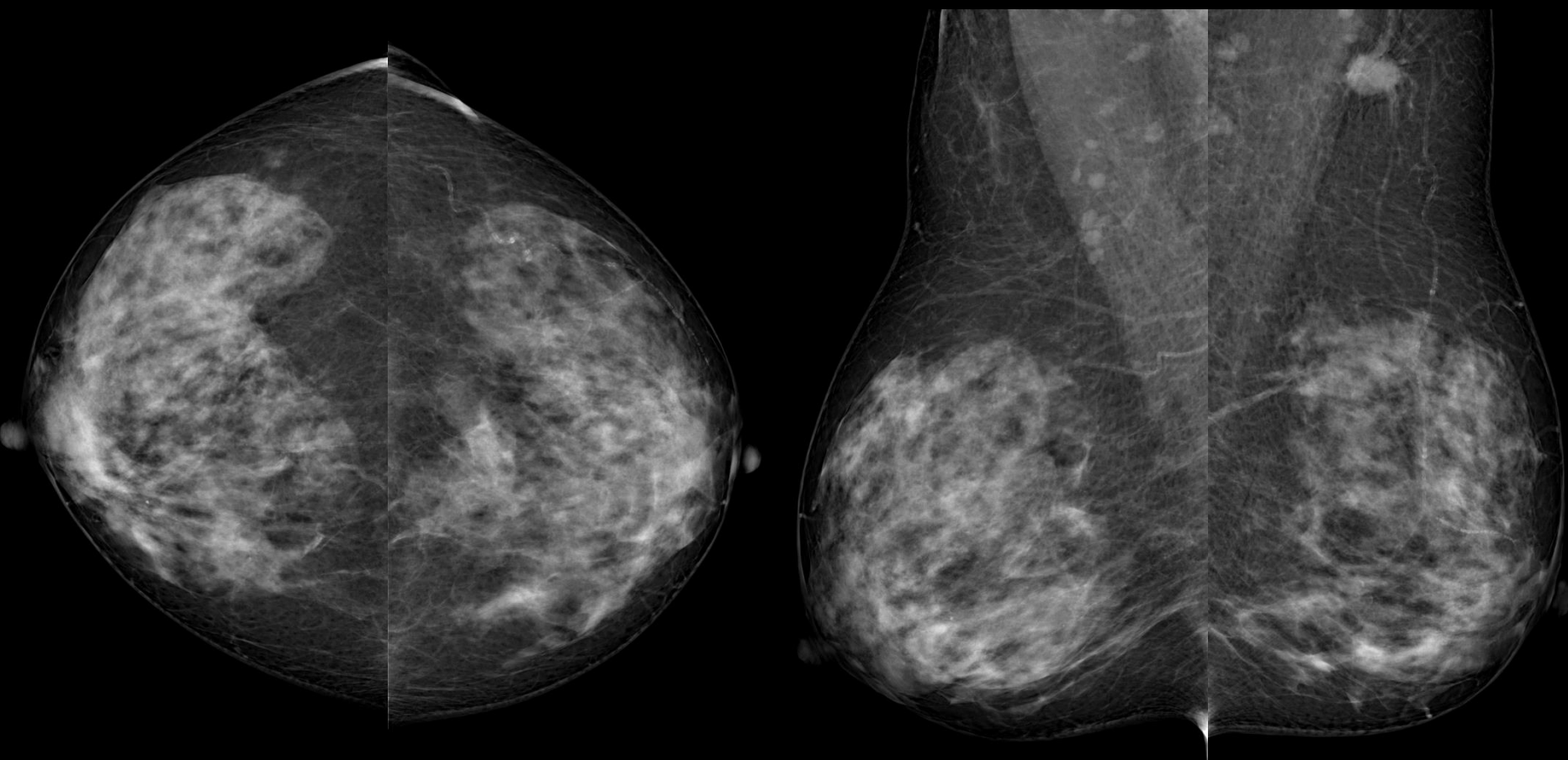
Diagnosis ?

Diagnosis:

- RT BI-RADS: 4
LT BI-RADS: 4
- Pathology
 - RT: invasive ductal carcinoma
 - LT: DCIS

Q48

69 y/o screen mammography



(A) Rt or Lt side pathology ?

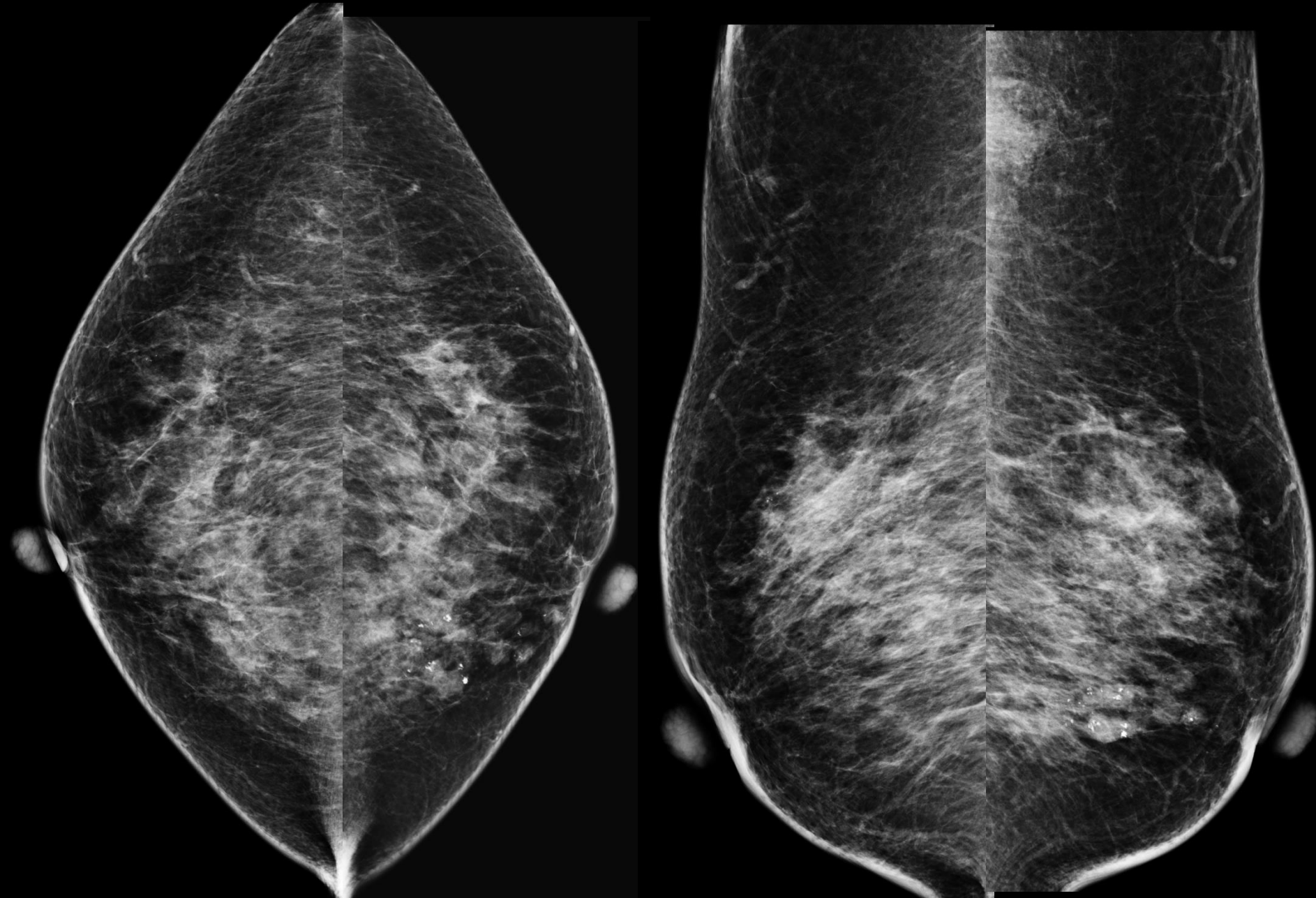
(B) BI-RADS category ?

Diagnosis:

- LT BI-RADS: 4 or 0
- s/p excisional BX
- Pathology: adenocarcinoma

Q49

75 y/o, (A) Rt or Lt side pathology ? (B) BI-RADS category?



Diagnosis:

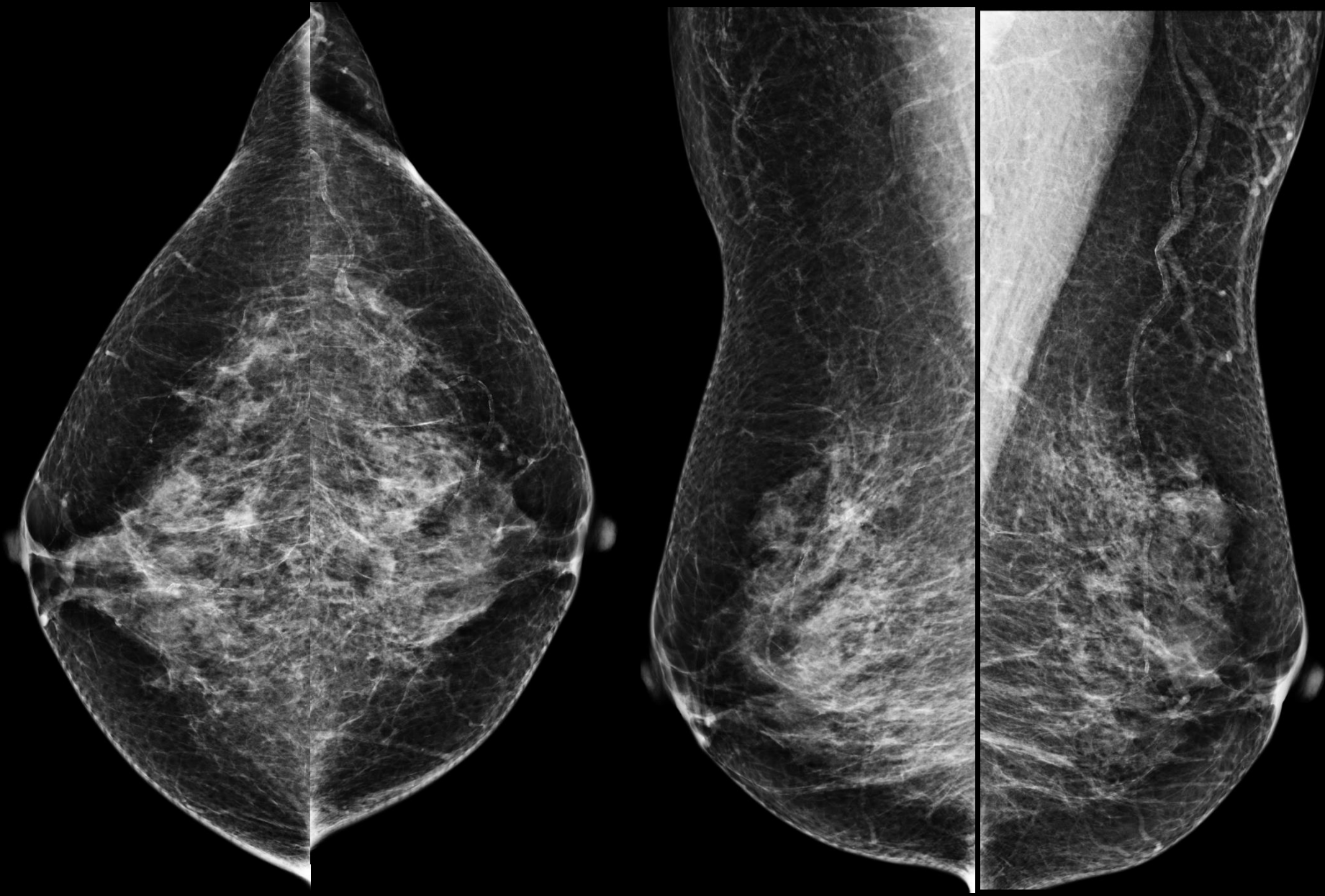
- LT BI-RADS 4 or 5
- excisional BX

Pathology: invasive papillary carcinoma

Q50

61 y/o screen mammography

(A) Rt or Lt side pathology ? (B) BI-RADS category ?



- RT BI-RADS 4 or 0
- needle BX

Pathology: invasive ductal carcinoma