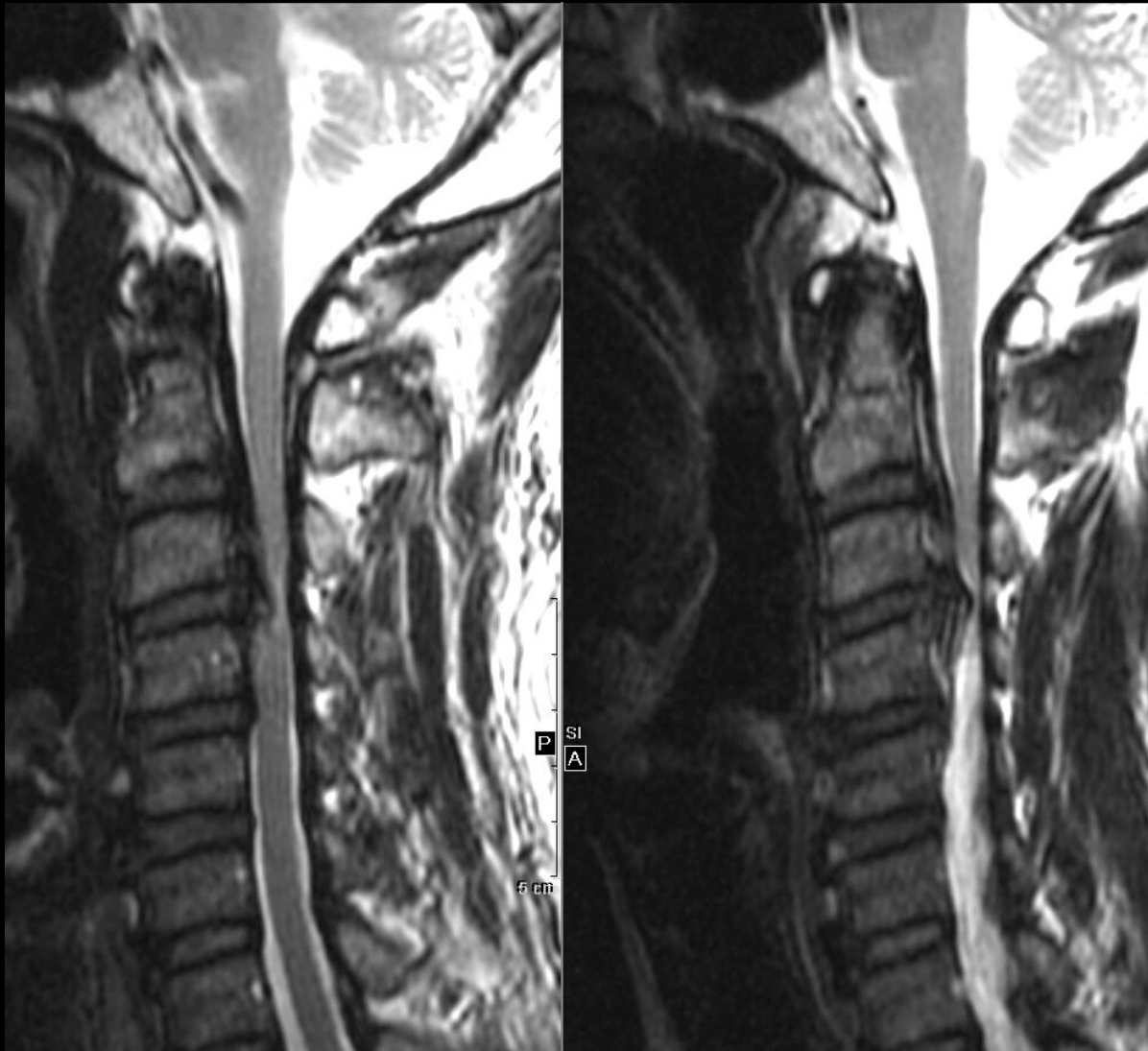


2012年2月
中華民國放射線醫學會
住院醫師閱片測驗

出題醫院：
高雄長庚紀念醫院
放射診斷科

Q01

A 59 y/o man with right hand weakness & numbness



ANS:

Ossification of
Posterior
Longitudinal
Ligament
(OPLL)



Q02

32 y/o woman with
right neck, shoulder
& arm paresthesia
for 3 years.

No previous
neurological disease
history.



ANS:

Chiari I malformation
with syringomyelia

Q03

1 y/o
infant.

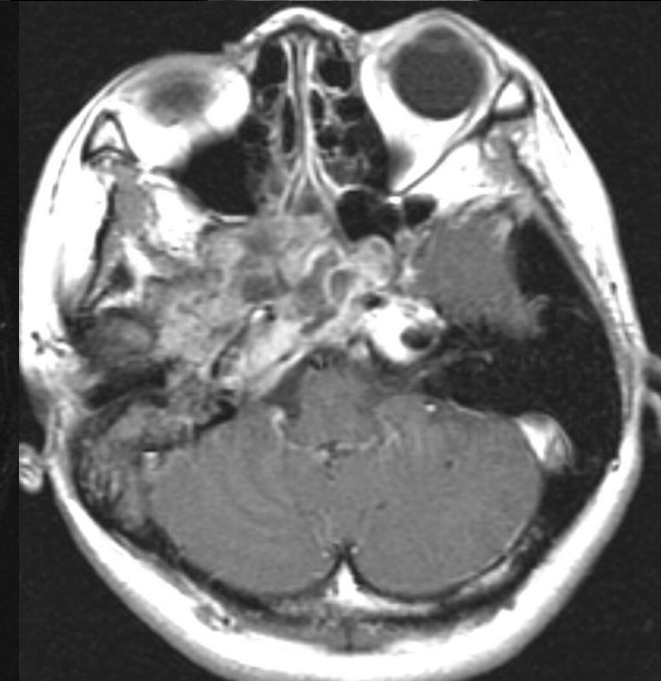
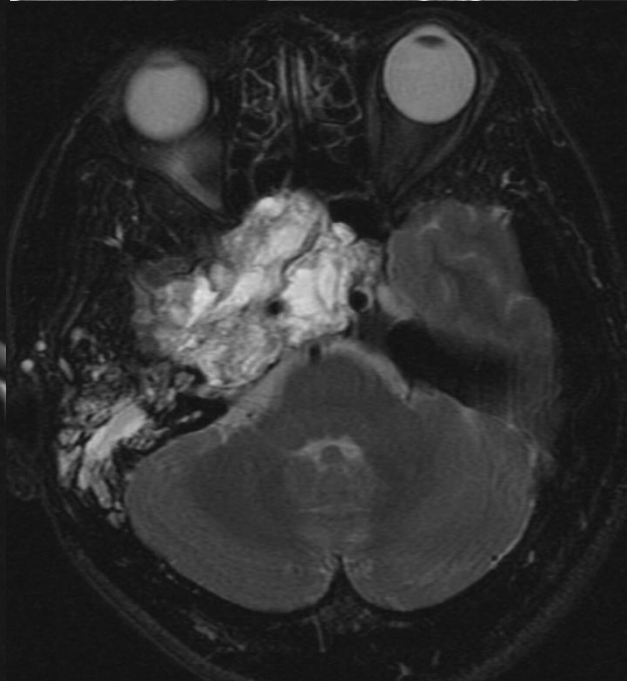
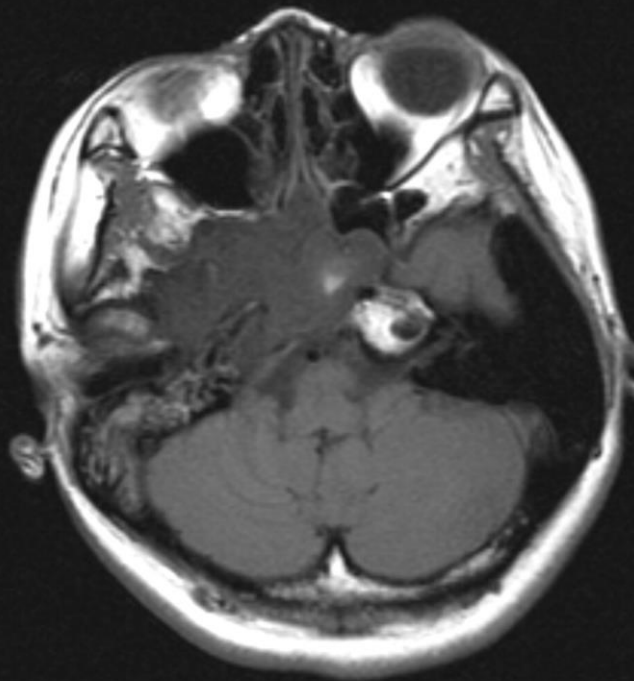
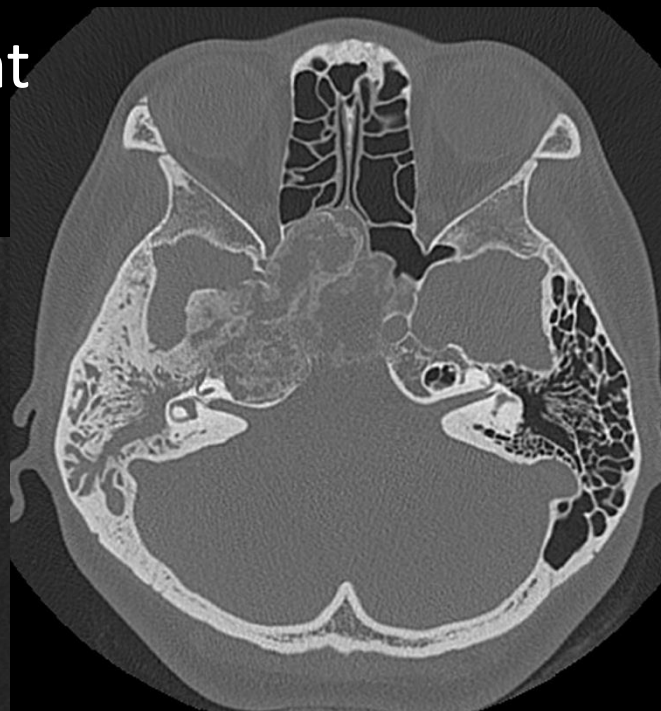
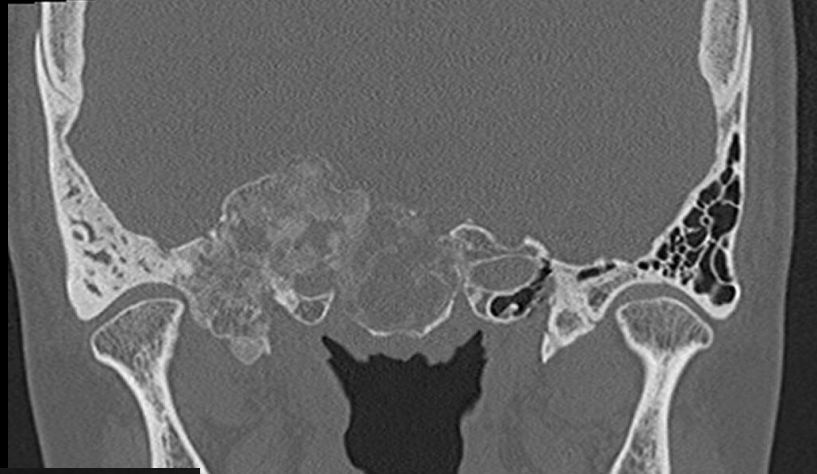


ANS:

Thyroglossal Duct Cyst
(in foramen cecum)

Q04

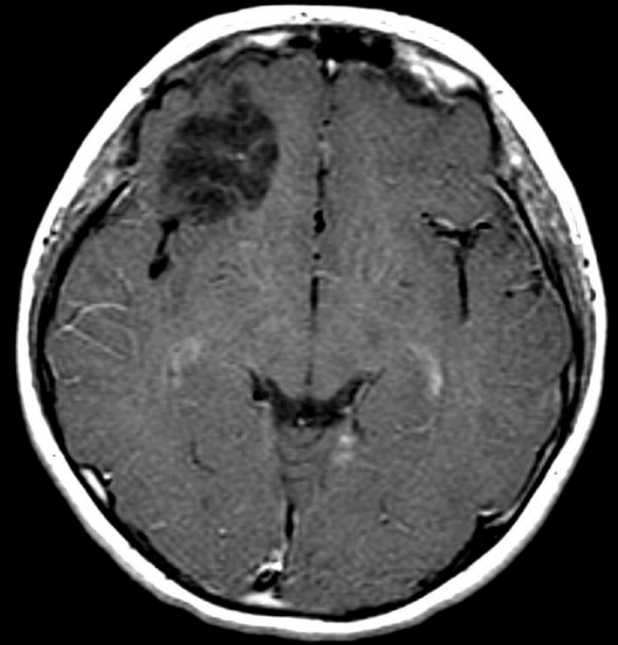
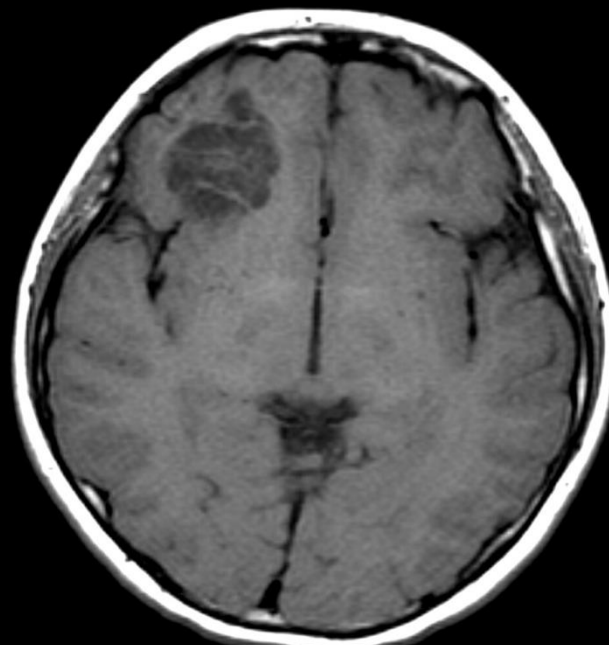
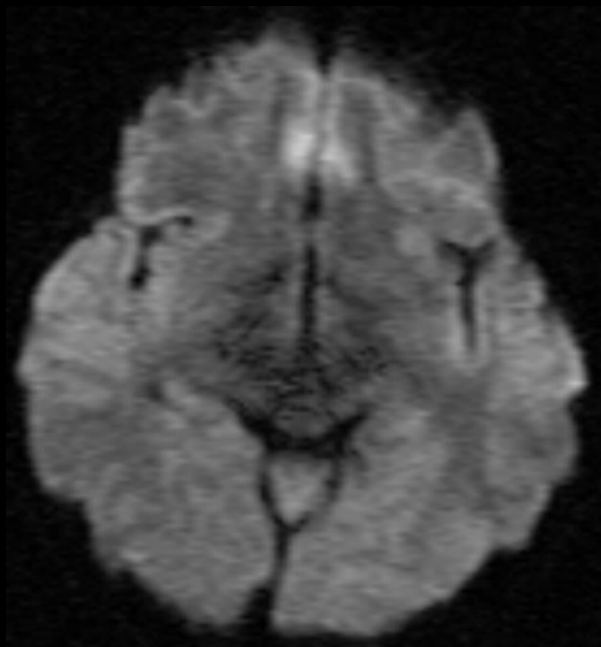
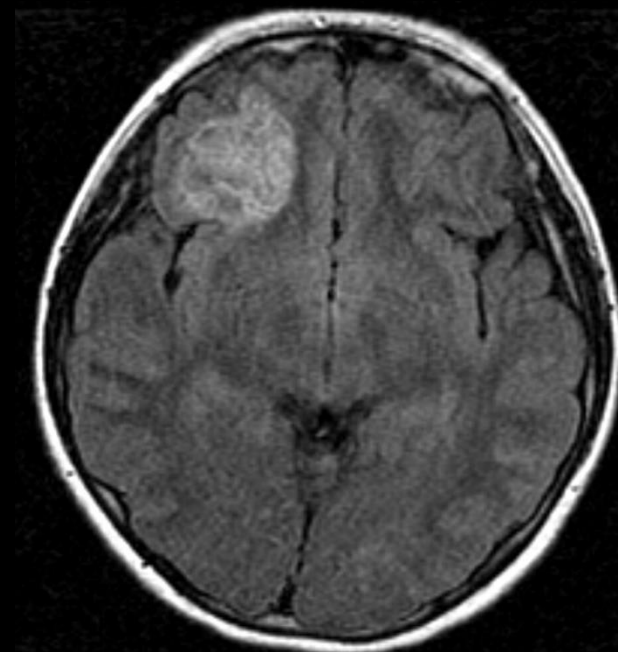
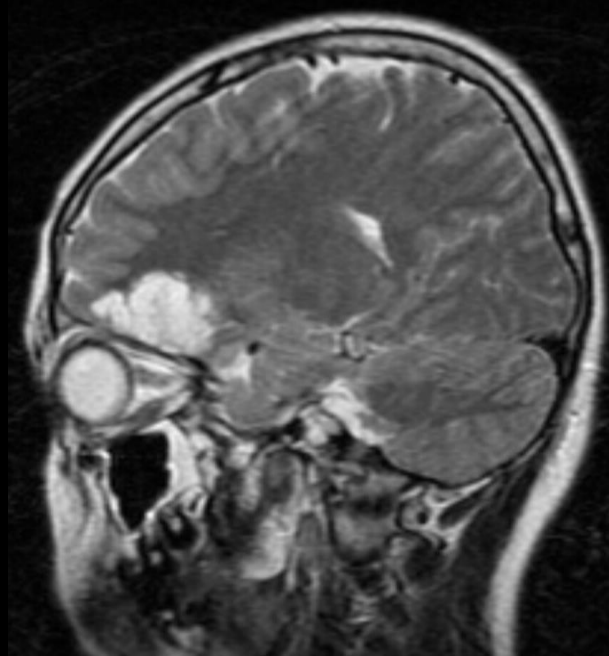
F, 37 Y/O. Right hearing impairment
& chronic mastoiditis for 17 years



ANS:

Fibrous dysplasia

Q05 M, 12 Y/O. Seizure.

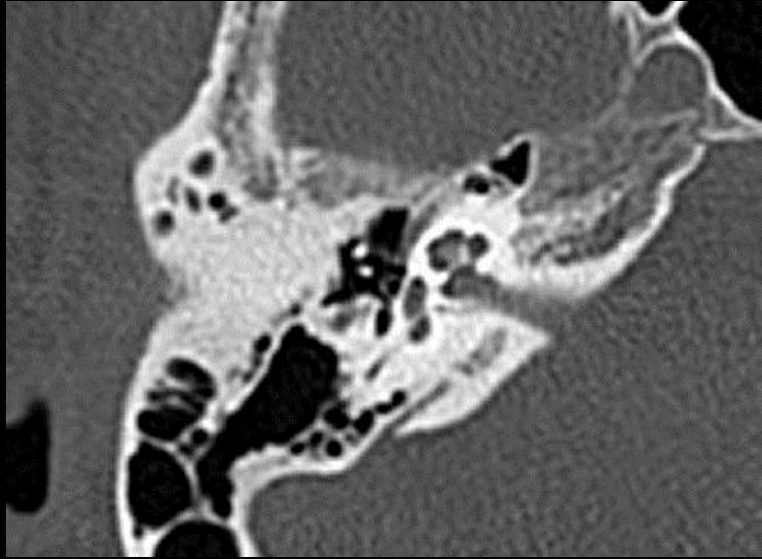


ANS:

Dysembryoplastic neuroepithelial
tumor (DNET)

Q06

48 y/o man, with left conductive hearing loss for many years.



ANS:

Tympanosclerosis

Q07

34 y/o female with quadriparesis



ANS:

Ependymoma

Q08

55 y/o male with traffic accident,
請寫出兩個主要的診斷

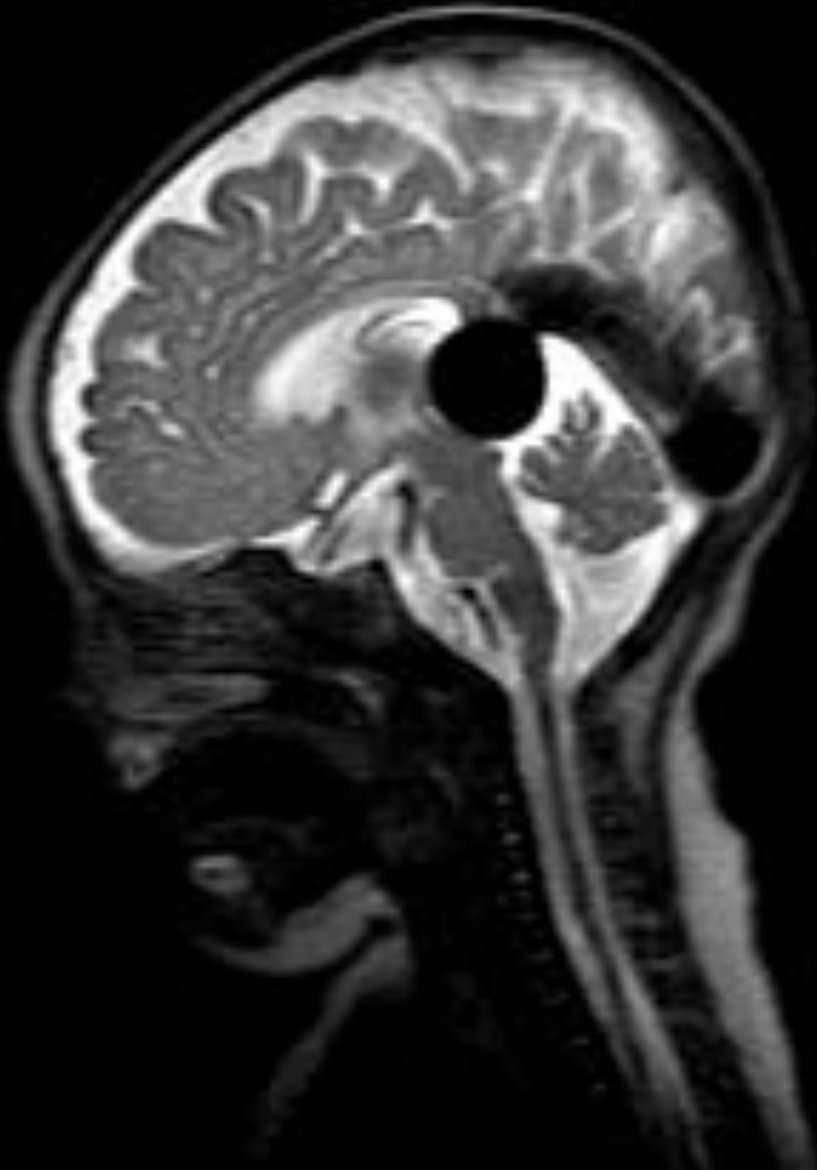


ANS:

1. C5/6 dislocation
2. (Bilateral) Facet lock

Q09

8-month-old baby with failure to thrive

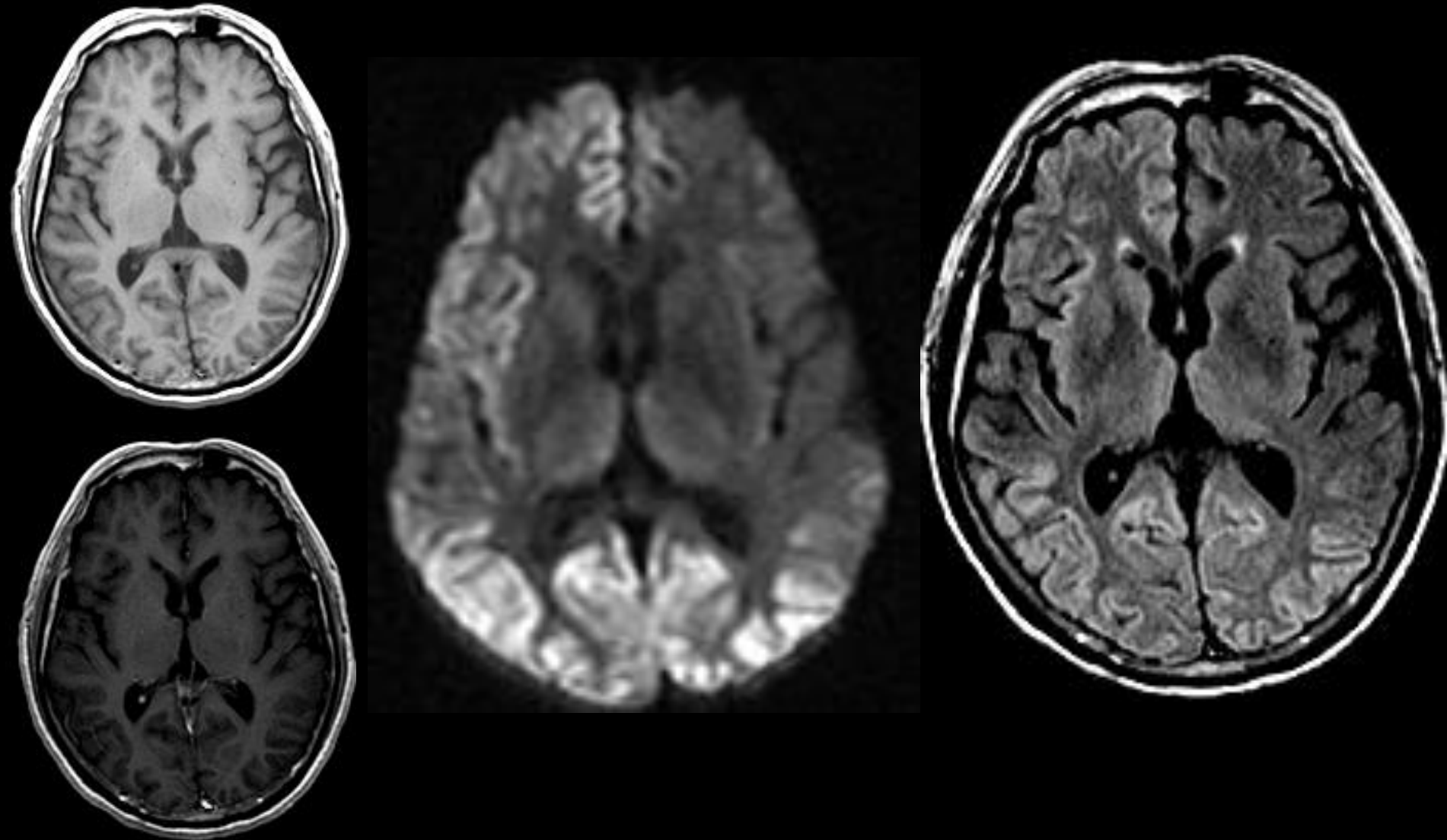


ANS:

Vein of Galen
(Aneurysmal) Malformation

Q10

74 y/o male
with rapid progression of dementia



ANS:

Creutzfeldt-Jakob Disease
(CJD)

Q11

What is the mass seen in lateral view of chest



ANS: above elbow amputation
of one arm

Only one arm raised

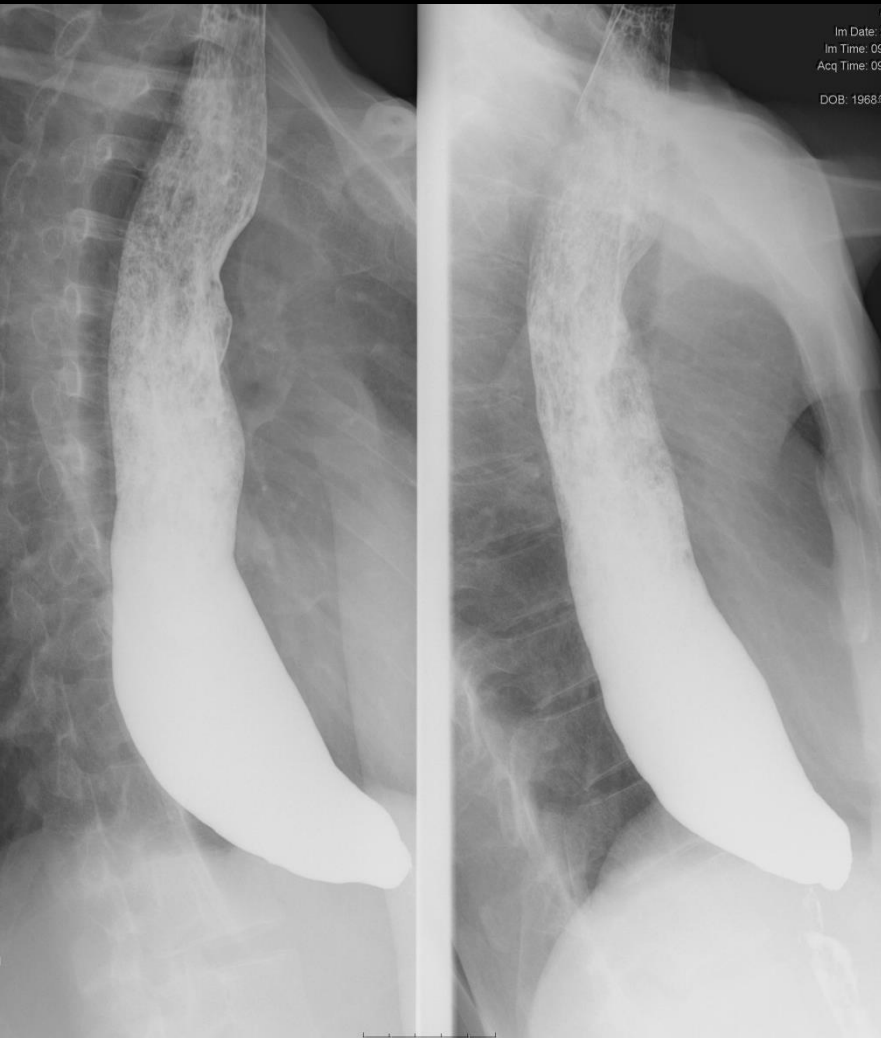
Bony cortex of humerus of
amputated arm within the mass

Q12

40Y/F



A12



- ANS: **achalasia**
- Widening para-esophageal line
- Absence of gastric gas

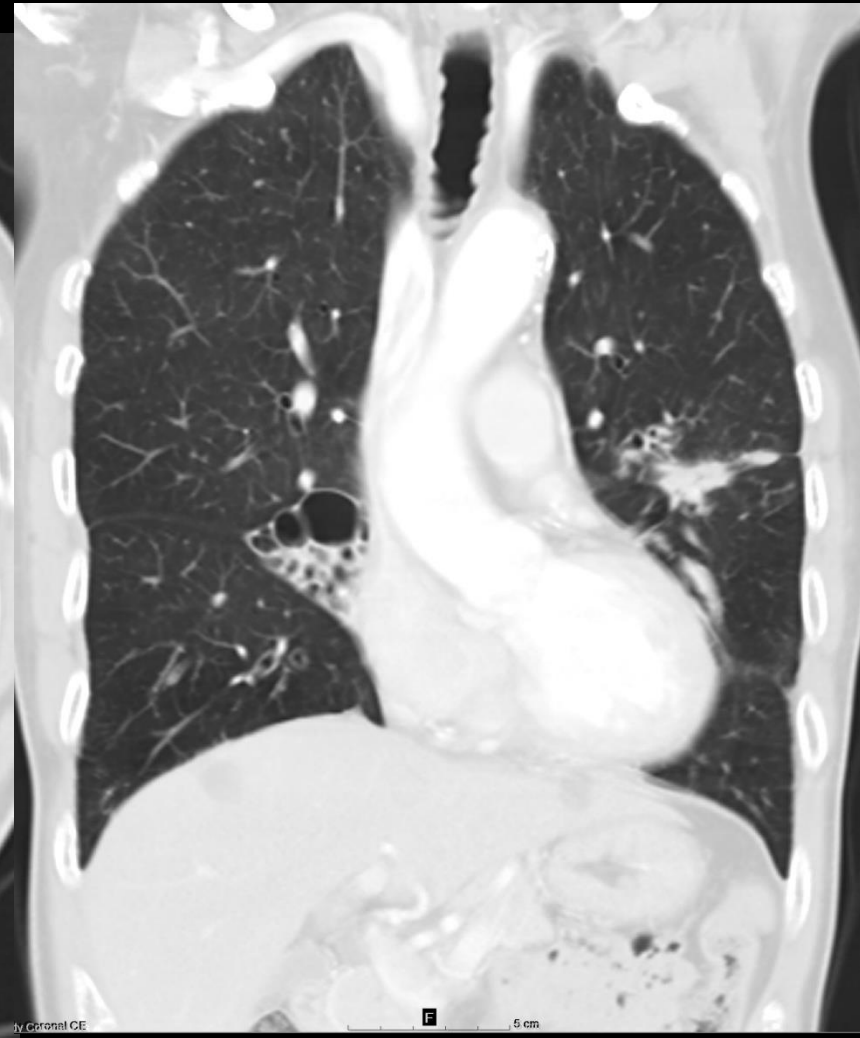
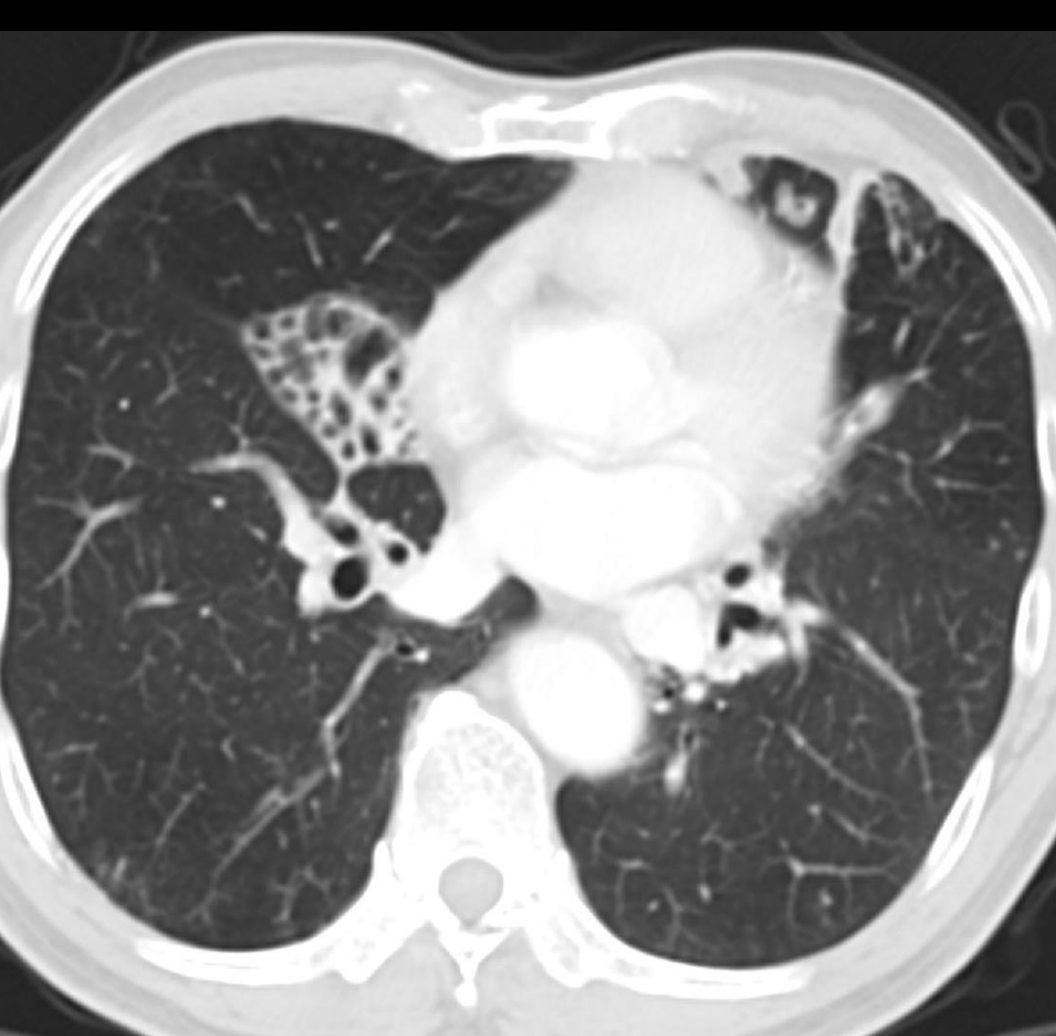
Q13

Two findings
other than
left lung
nodule



A13

ANS: RML collapse and bronchiectasis



Q14

50Y/M



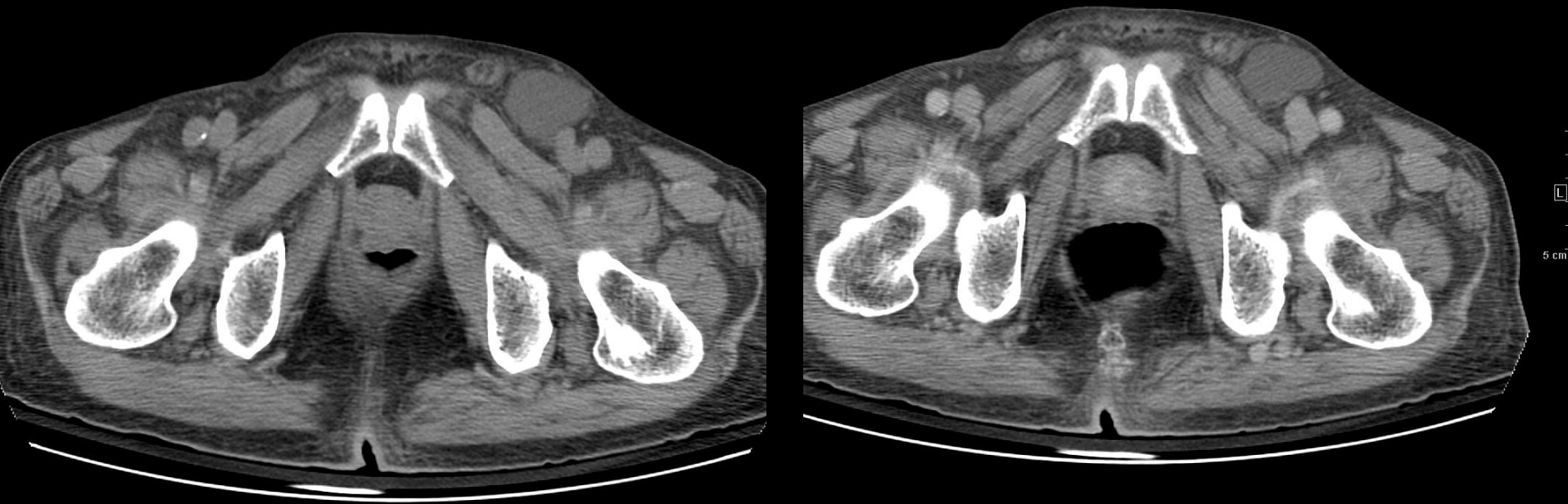
ANS: right pneumothorax

suggested by deep sulcus sign

Q15

67 y/o , male

Left inguinal palpable mass



ANS : Left femoral hernia

Q16

52 y/o, female

A case of chronic renal failure, peritoneal dialysis,
fever, abdominal pain

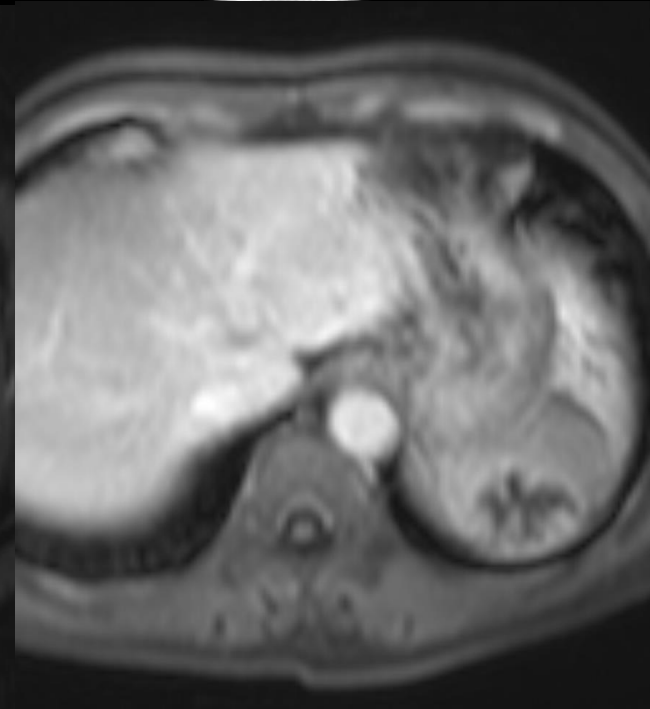
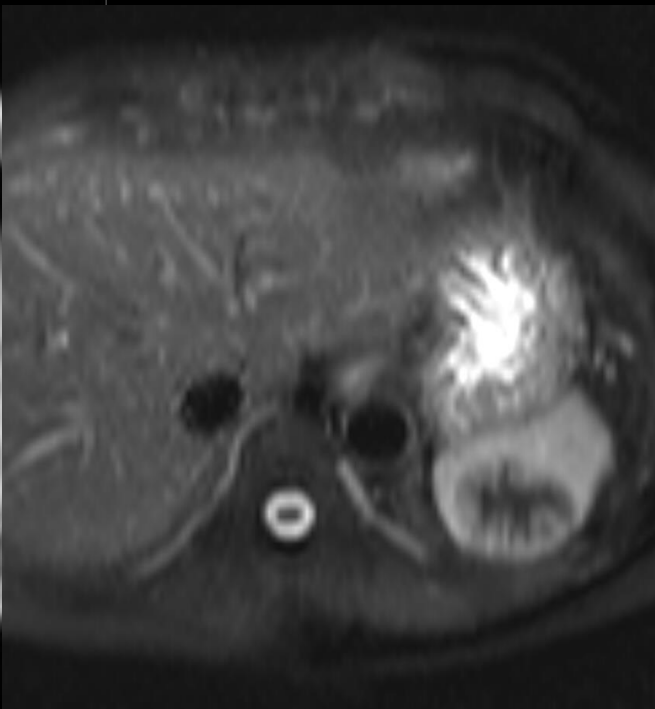
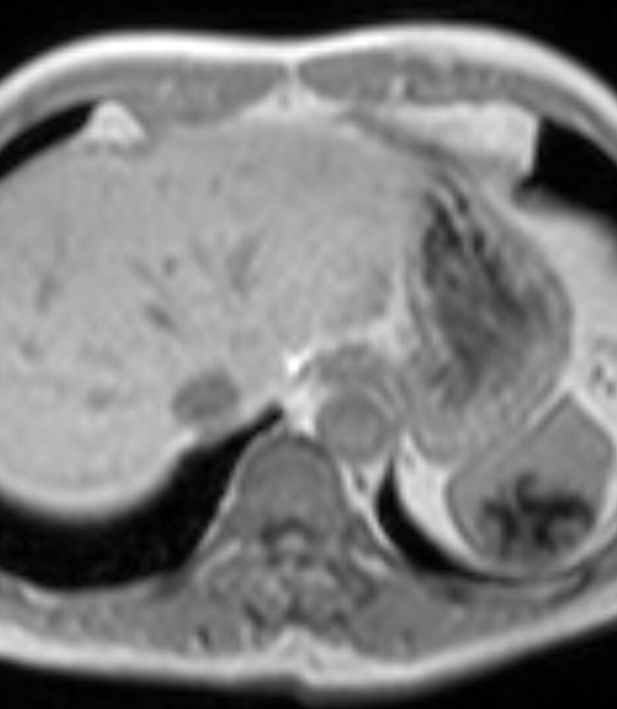
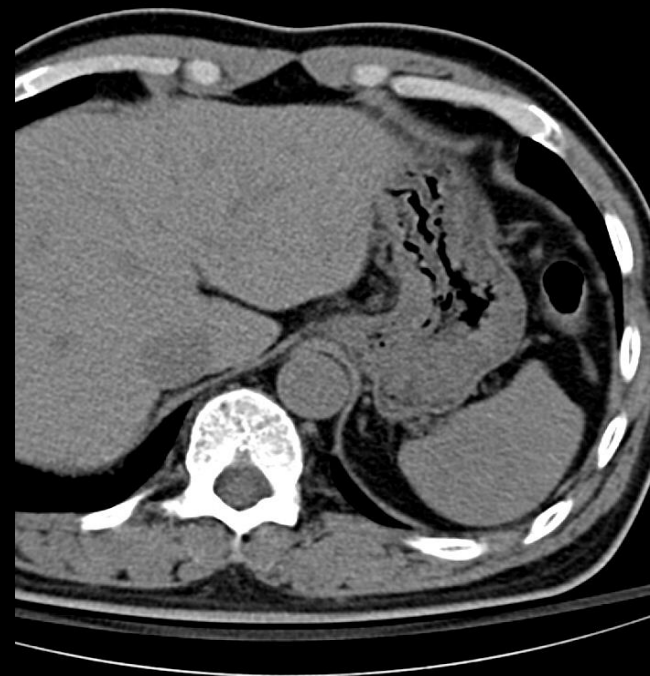


ANS : S/P CAPD with sclerosing
peritonitis

Q17

51 y/o, male

Incidental finding of splenic mass



ANS : Splenic inflammatory
pseudotumor

Q18

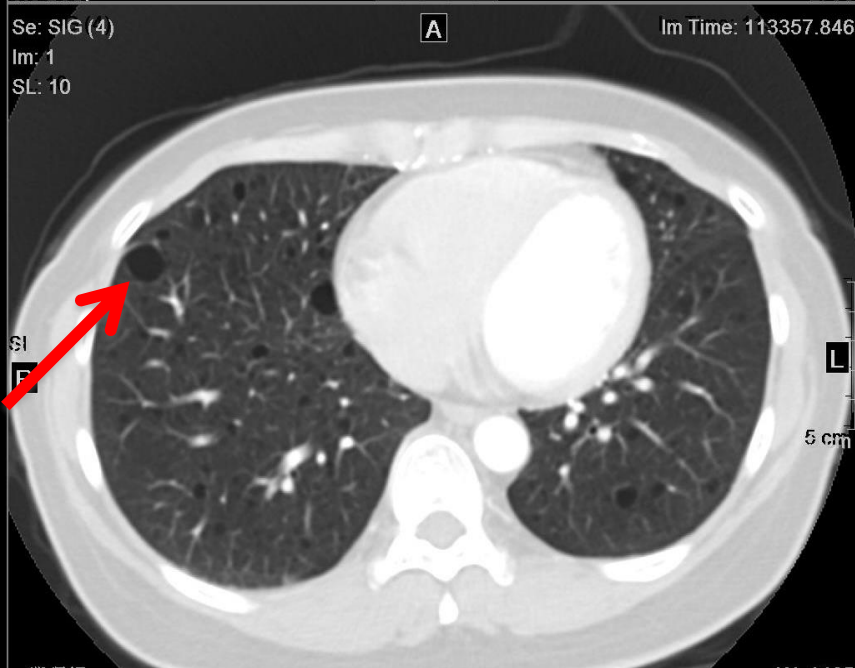
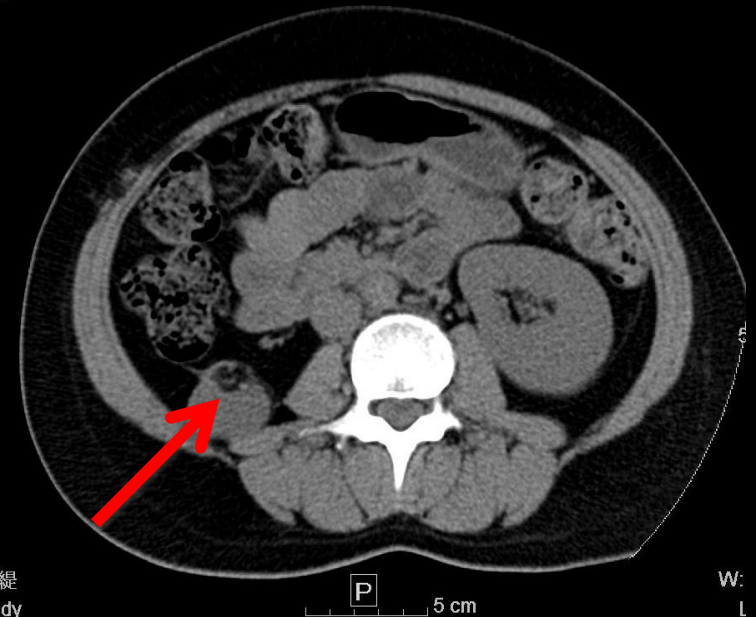
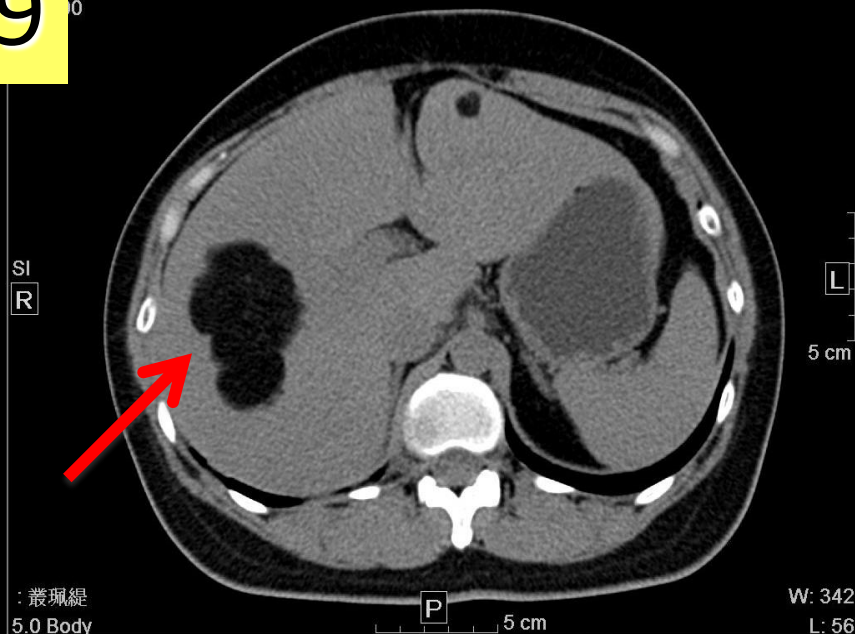
74 y/o, female

Intermittent RUQ discomfort
for years



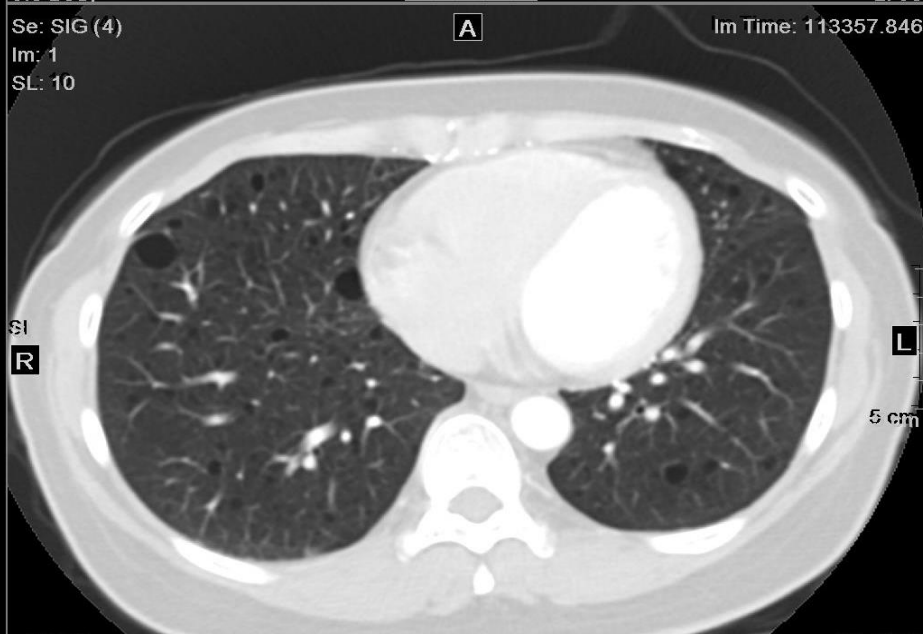
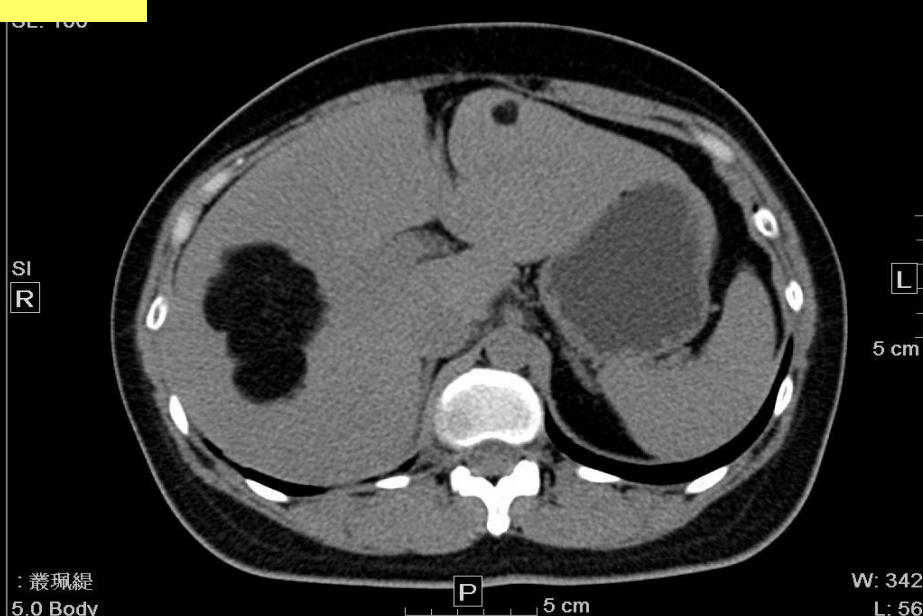
ANS : Duodenum GIST with
encasement of duodenum

Q19



According to these findings, what is the probable diagnosis ?

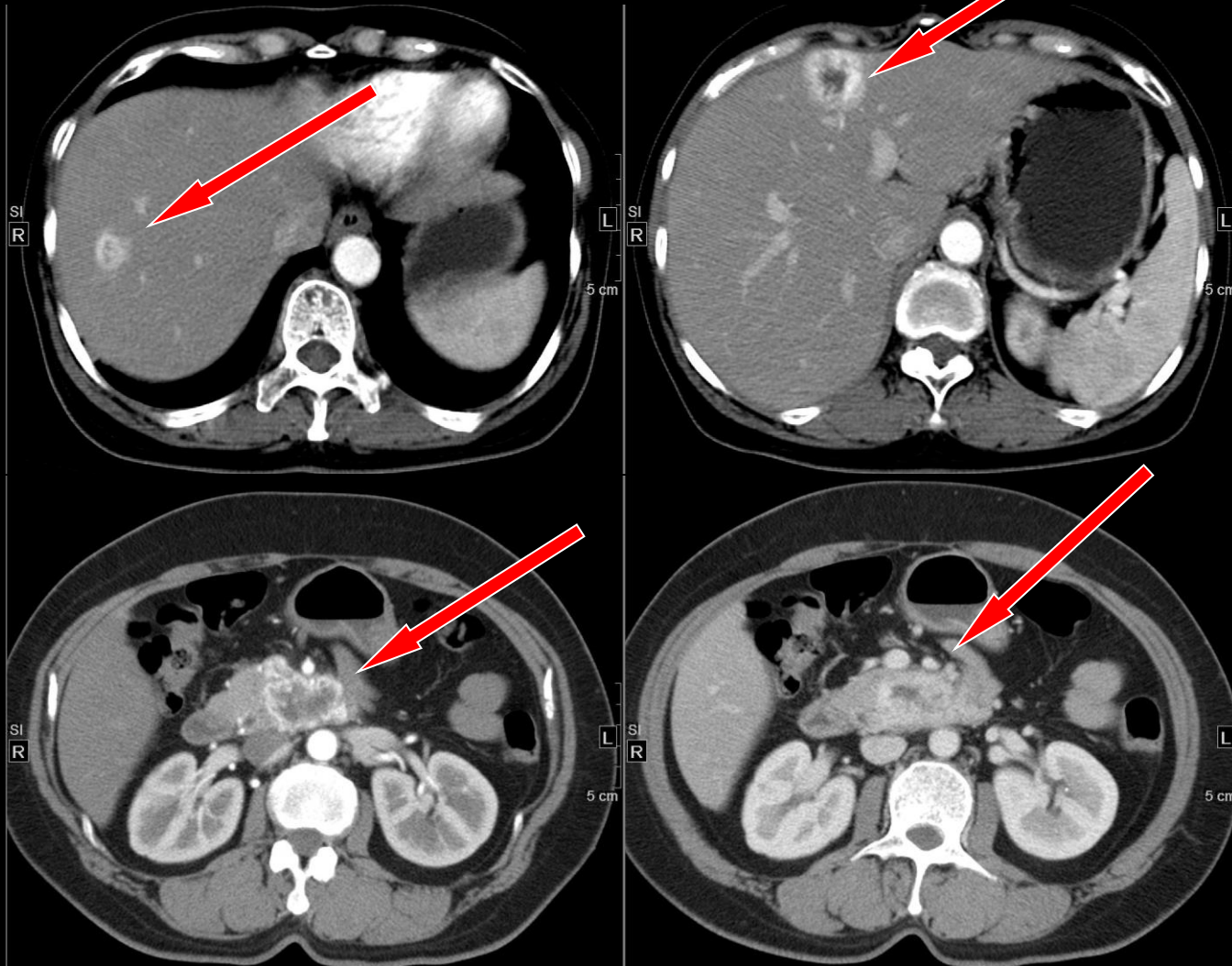
A19



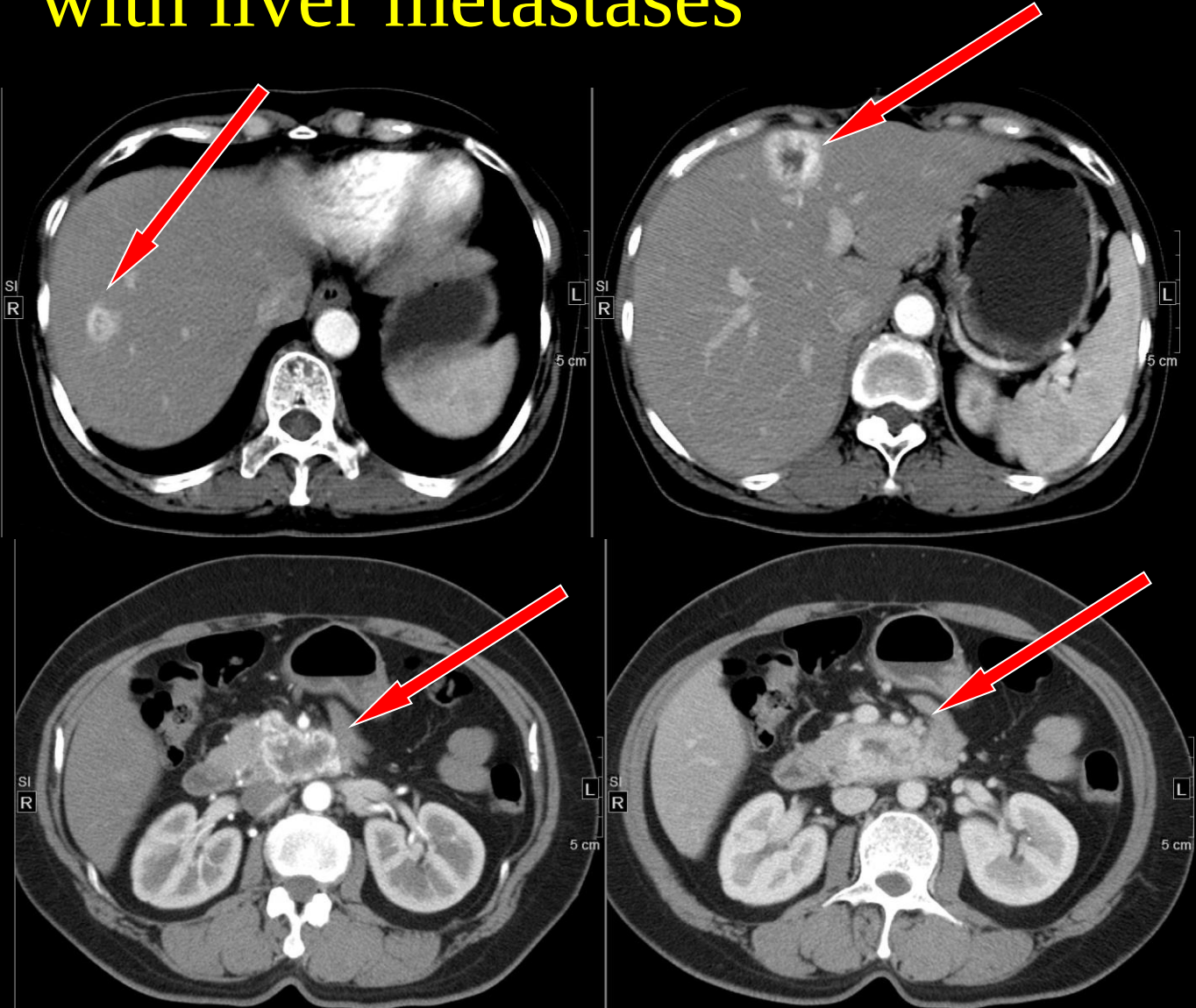
Liver & kidney:
Harmatomas
(lipomyomas)
Lung:
Lymphangioleiomyomatosis
ANS : **Tuberous sclerosis**

Q20

What is your diagnosis (arrows)?

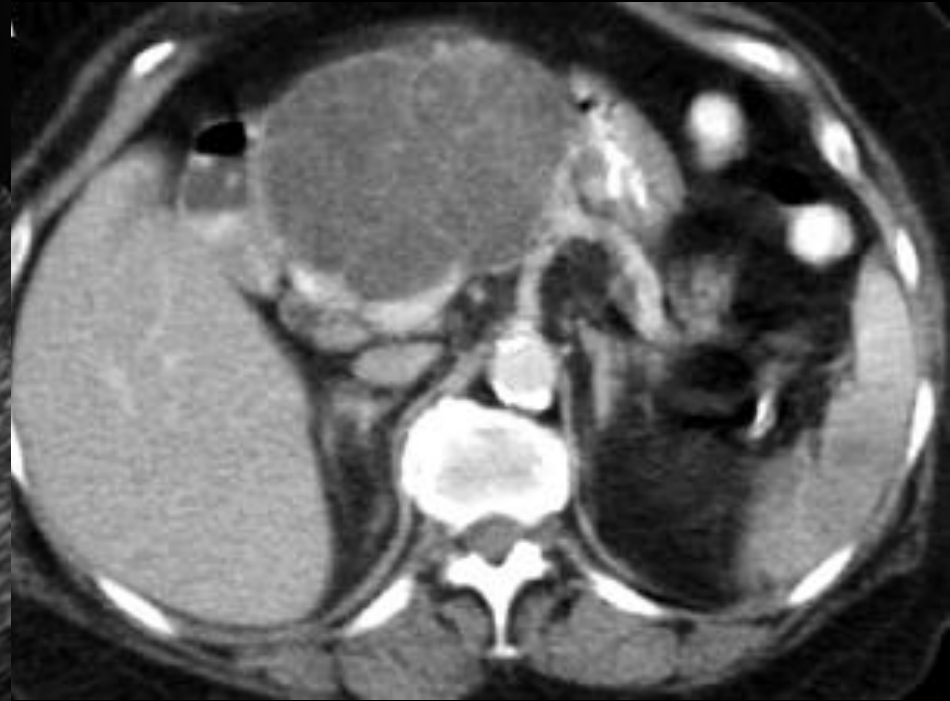


ANS : Pancreatic islet cell tumor
with liver metastases



Q21

67 y/o female,
Nonspecific complaints of abdominal pain or weight loss,
no jaundice

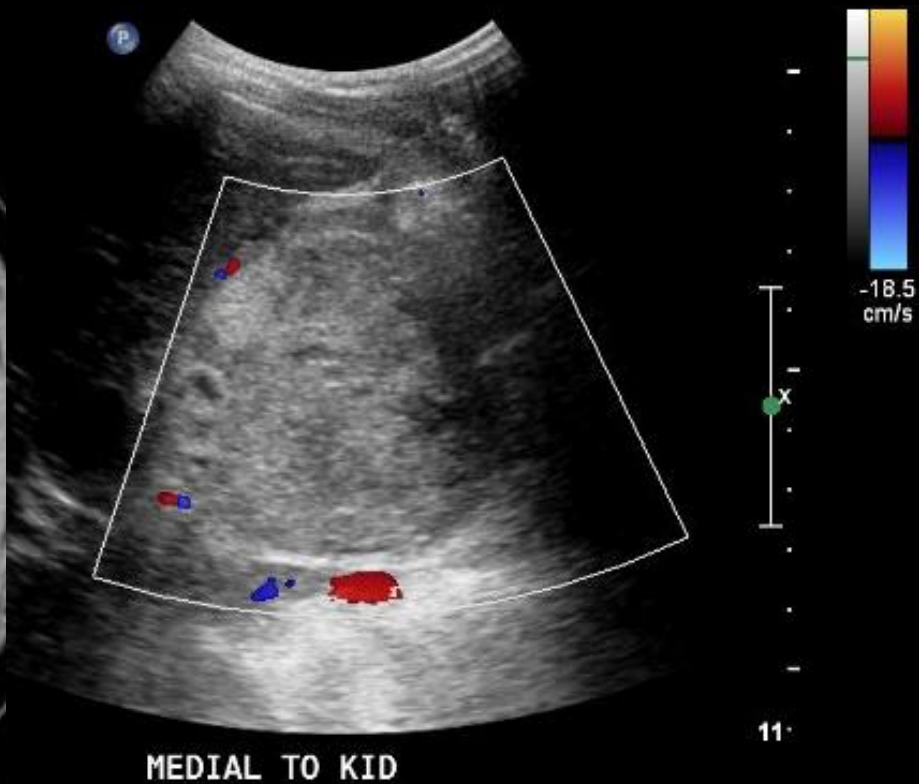
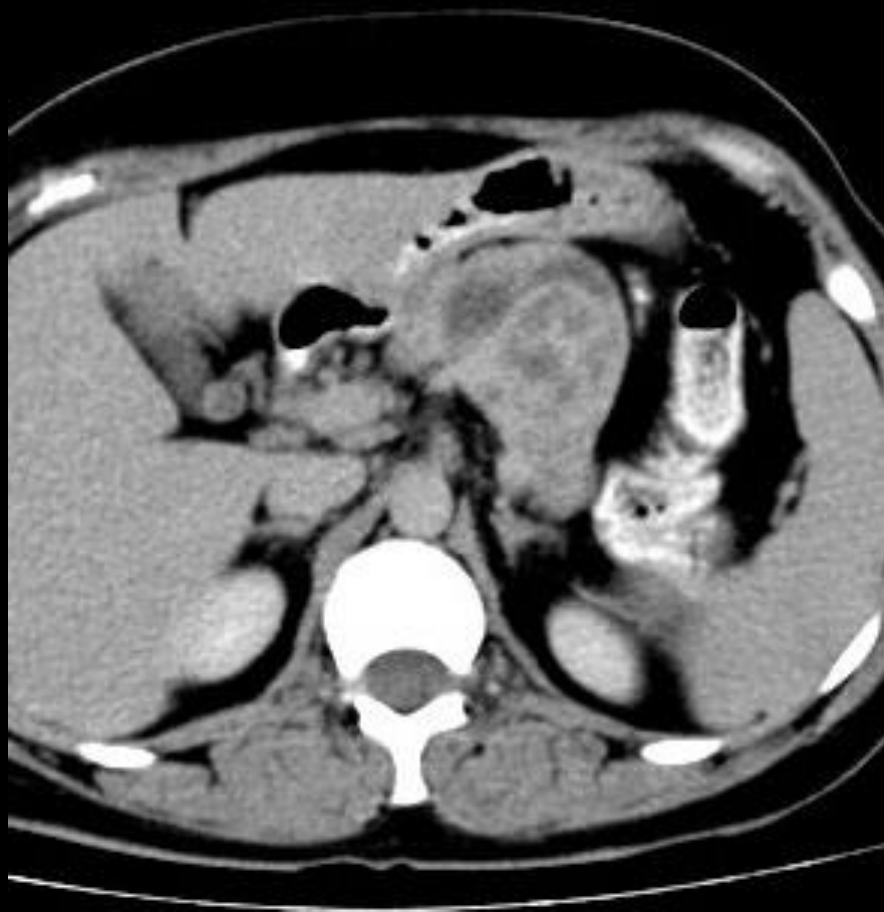


ANS : Serous Cystadenoma of Pancreas

- Microcystic cystadenoma
- Benign tumor
- Women > 60 y/o
- Asymptomatic/ Incidental finding
- Composed of multiple cysts varying in size from 0.2 to 2.0 cm, and the size of the tumors from 1.4 to 27 cm
- Localized on head of pancreas
- Central stellate scar with calcification
- CBD or pancreatic duct dilatation may be seen

Q22

29 y/o female,
Epigastric pain, nausea and vomiting
Lab-Data normal



ANS : Solid and Papillary Neoplasm of Pancreas

- Solid and papillary epithelial neoplasm; papillary epithelial neoplasm; solid and cystic tumor of pancreas
- Pancreatic mass of low malignant potential with solid and cystic features
- Pancreatic tail region, body
- Woman < 35 y/o
- Asymptomatic or abdominal pain
- Complications: hemorrhage

Q23

A 5 y/o boy



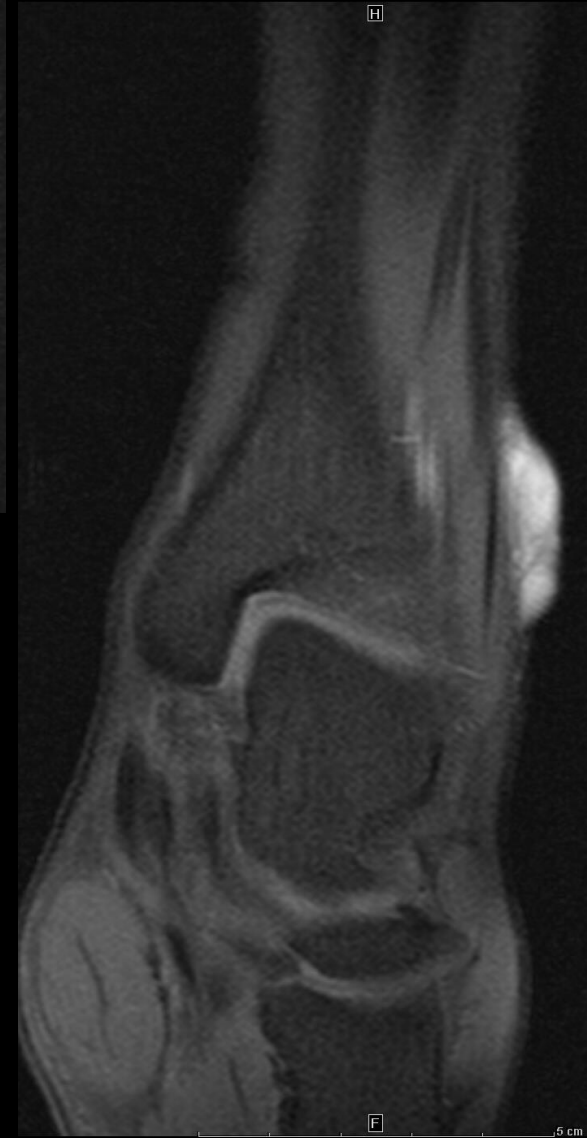
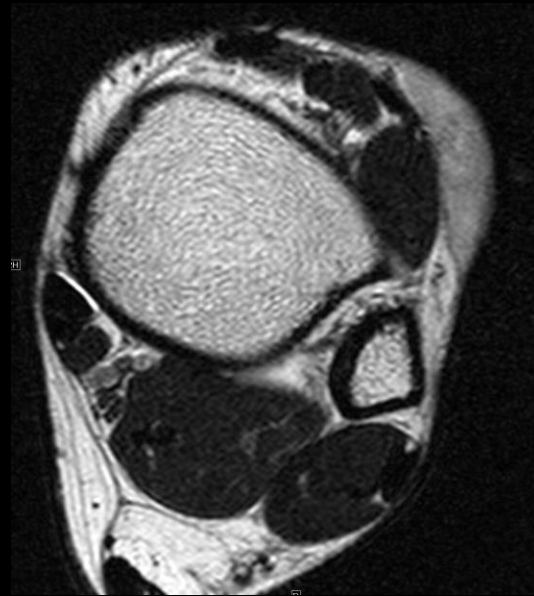
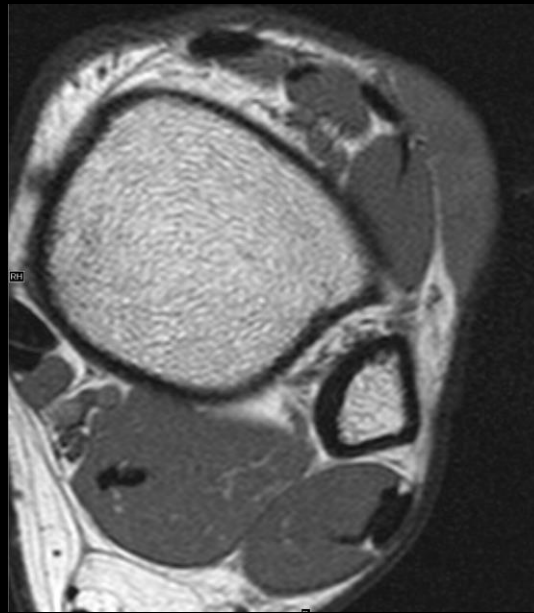
A23

ANS : Right Legg-Calv'e-Perthes disease



Q24

15 y/o male

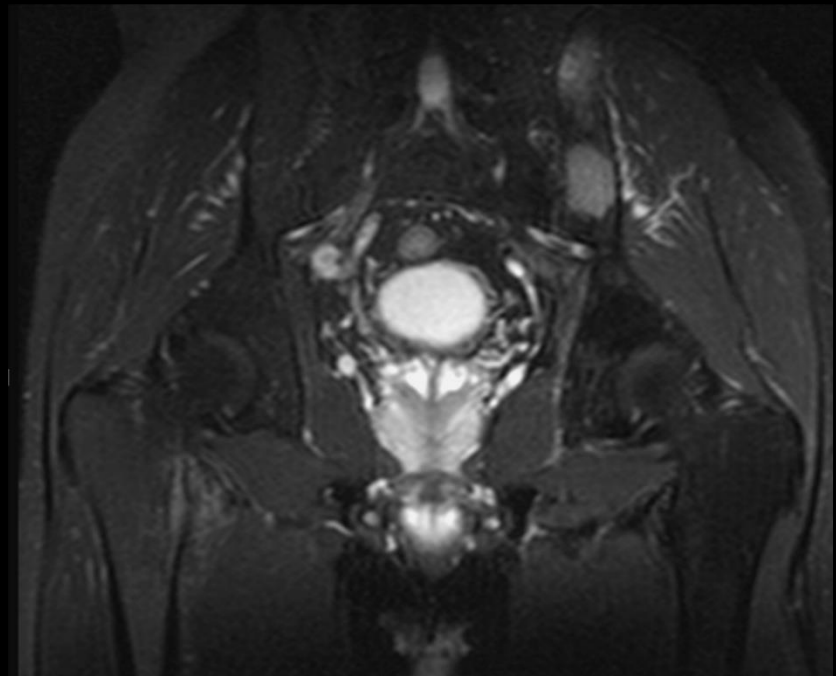
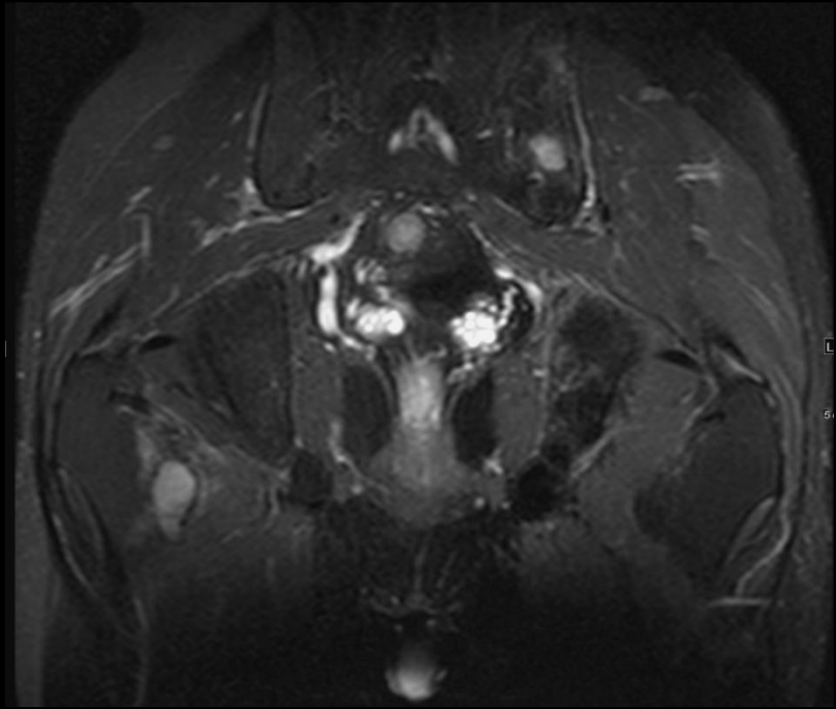


ANS : Dermatofirbosarcoma
protuberans

Q25

A 56 y/o man

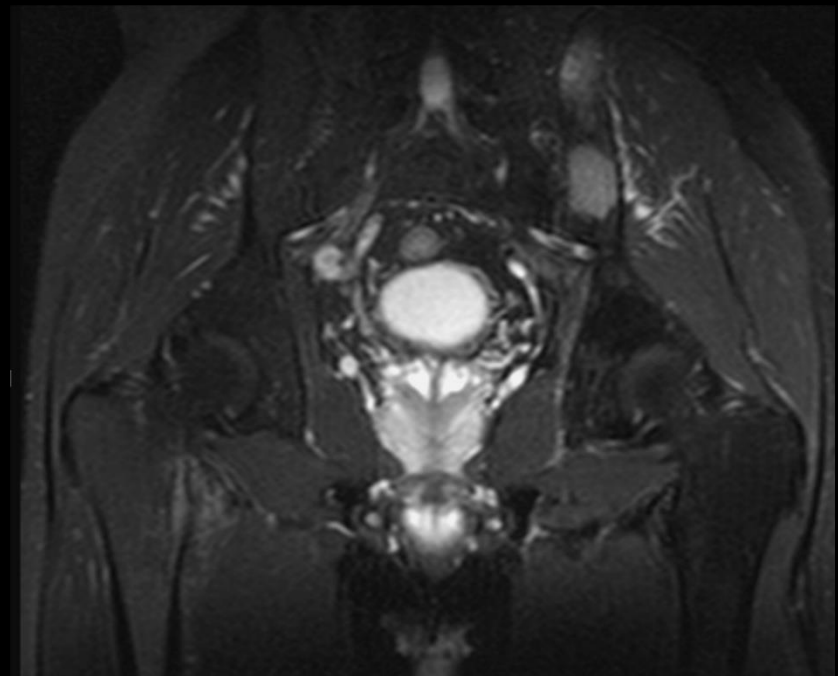
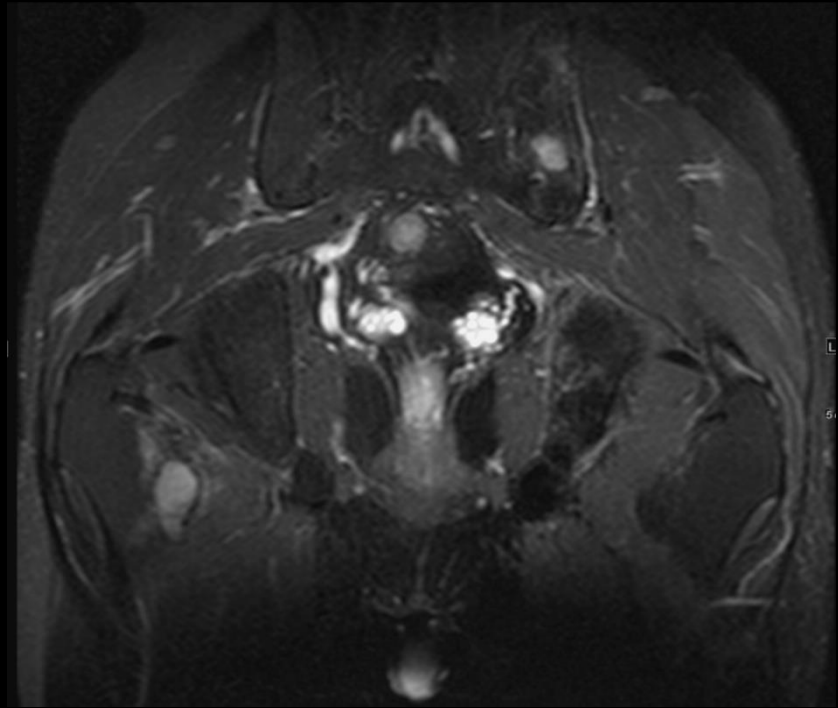
12:32
8 R25



A25

ANS : Multiple metastasis with pathologic fracture

:12:32
8 R25



Q26

CGMH KS Radiology
2008/09/11
14:00:44
107R2



25 y/o female



ANS : Osteopoikilosis and
melorheostosis

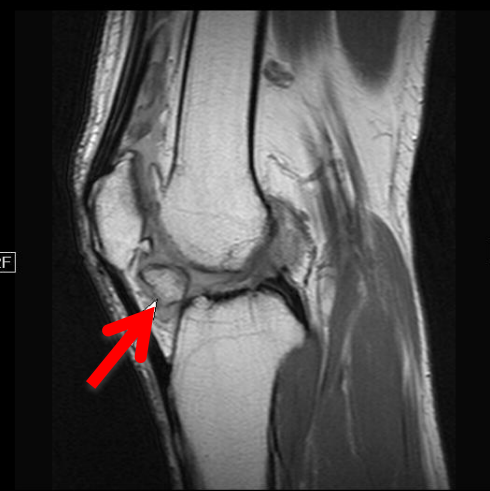
Q27



ANS : *Talipes equinovagum*

Q28

What is the pathology of the lesion indicated by arrow



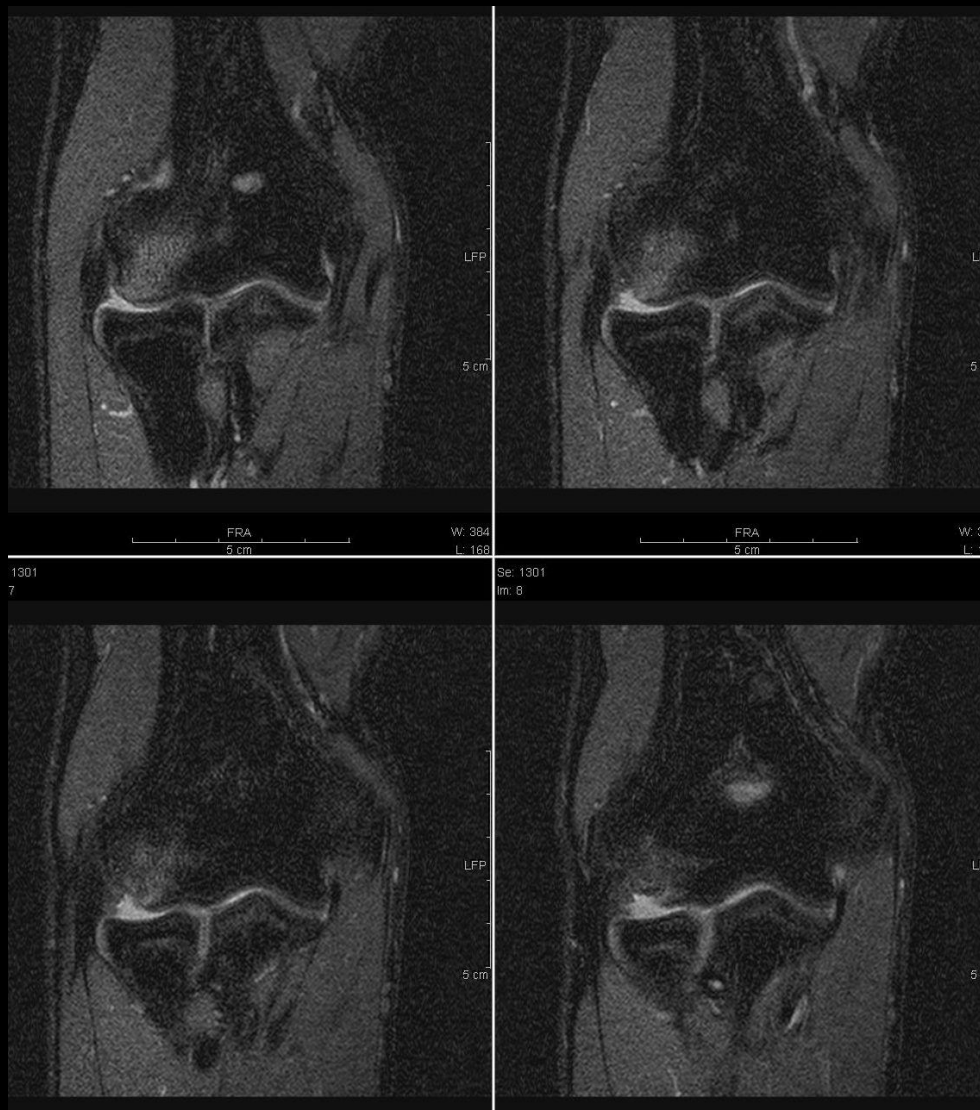
ANS : Osteochondroma of
Hoffa's fat pad

Q29

CGMH KS Radiology
2009/03/16
14:13:52
331 R25



15 y/o baseball pitcher



ANS : Osteochondritis dissecans
of capitellum

25 y/o female



ANS : Giant cell tumor

Q31

66 y/o, fever

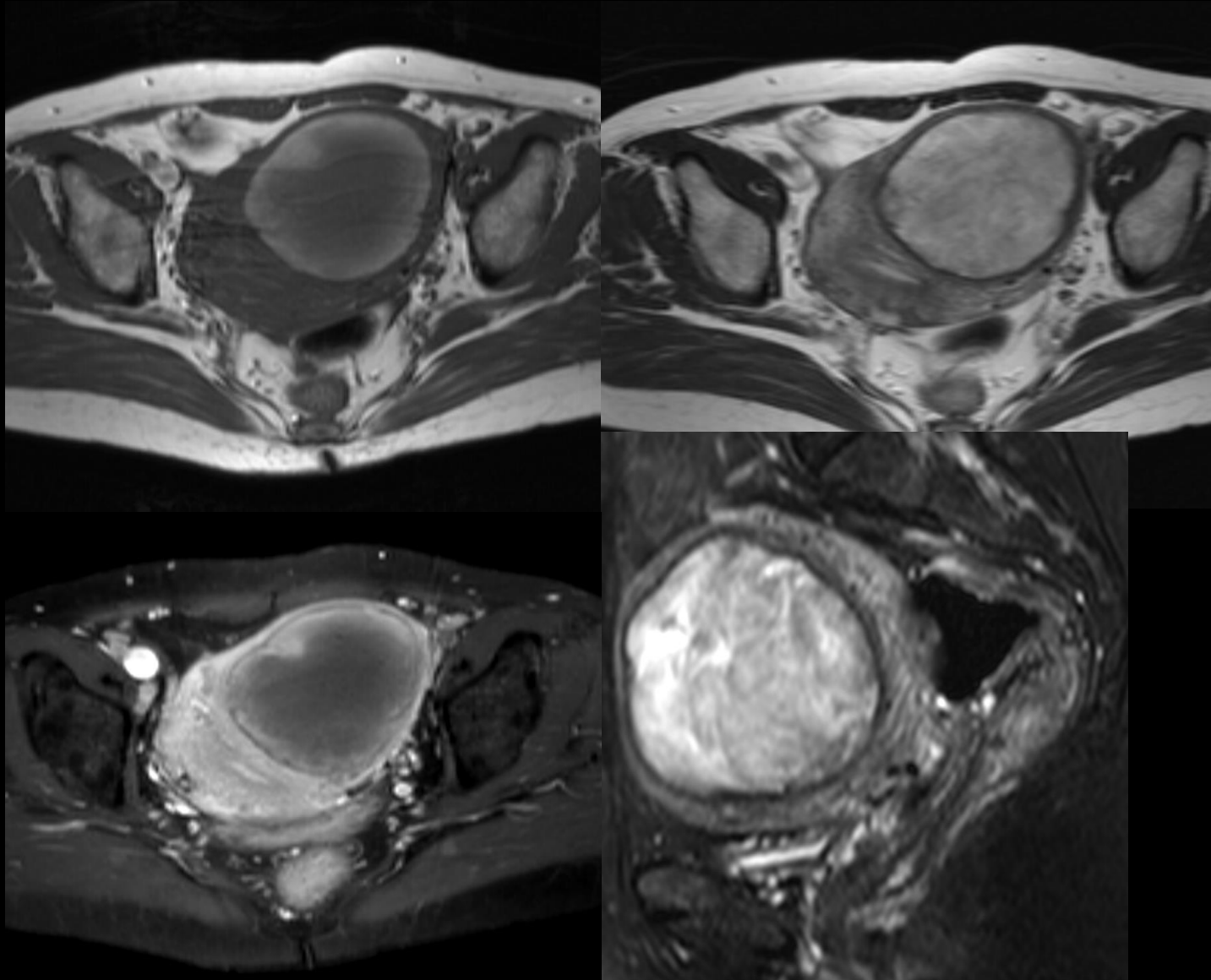


ANS : Emphysematous cystitis

Q32

46 y/o, female

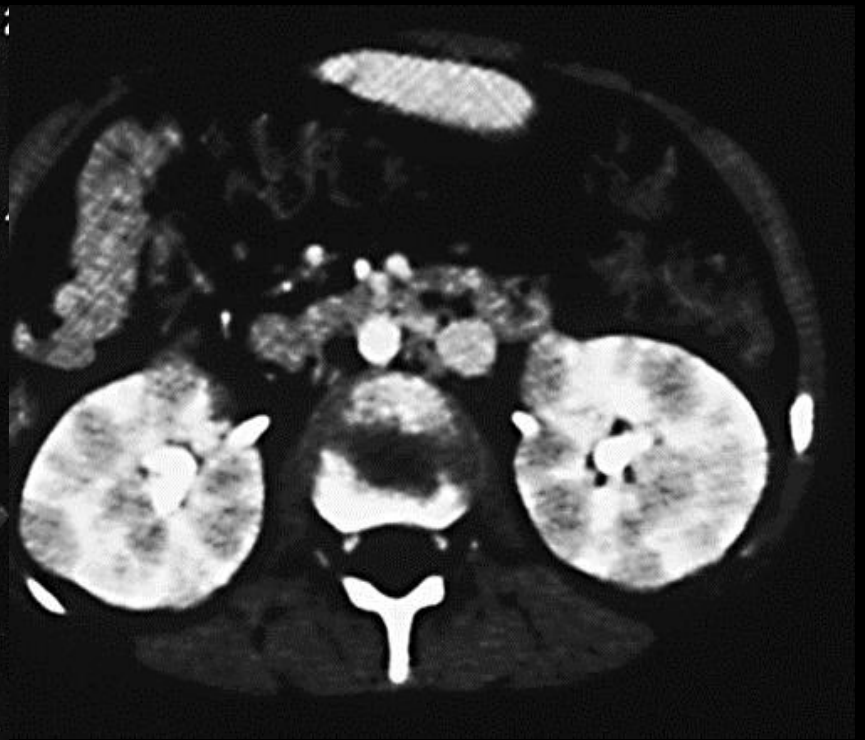
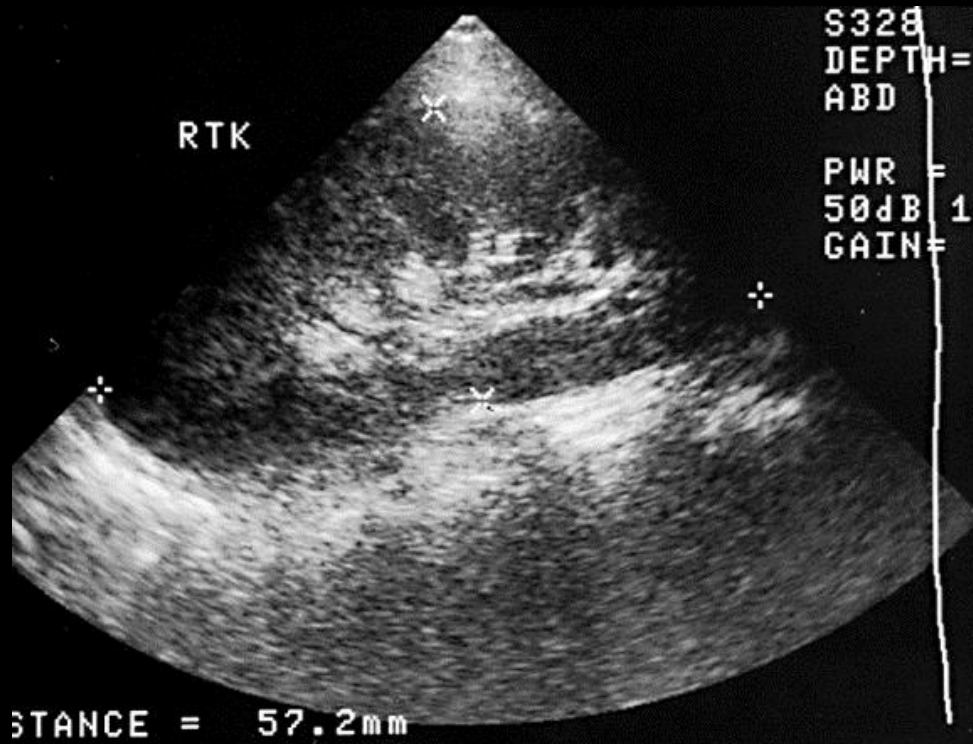
Progressive left flank pain for years



ANS : Uterine myoma with red
degeneration

Q33

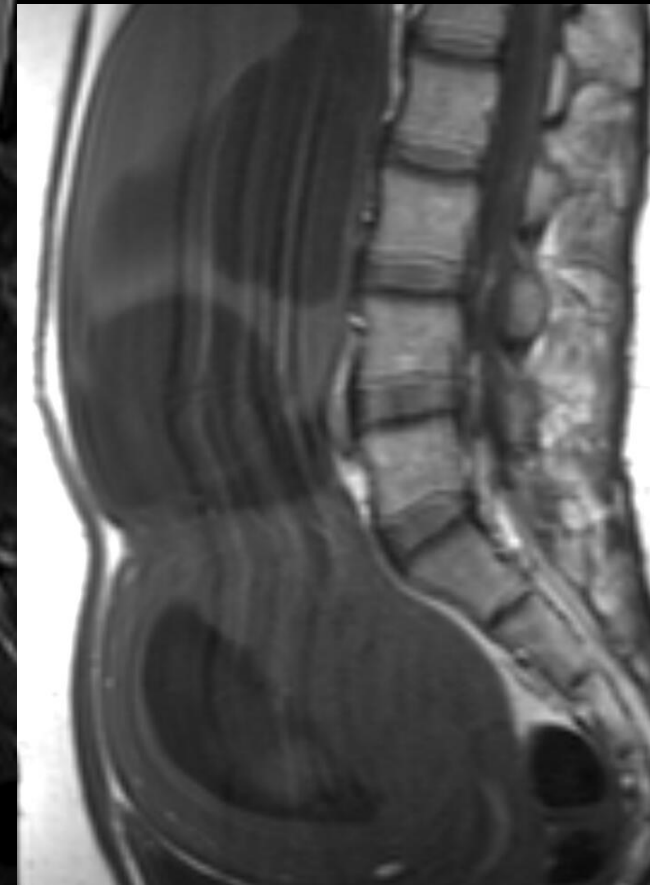
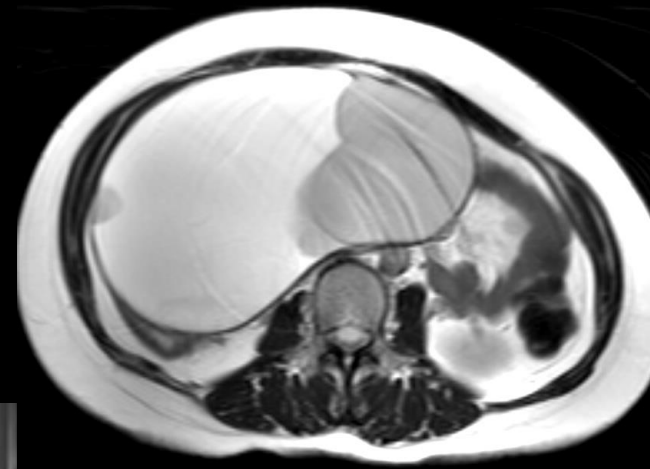
A 15 y/o boy with mild renal function impairment; sonography study showed enlarged kidneys, what is your diagnosis?



ANS : renal lymphoma

Q34

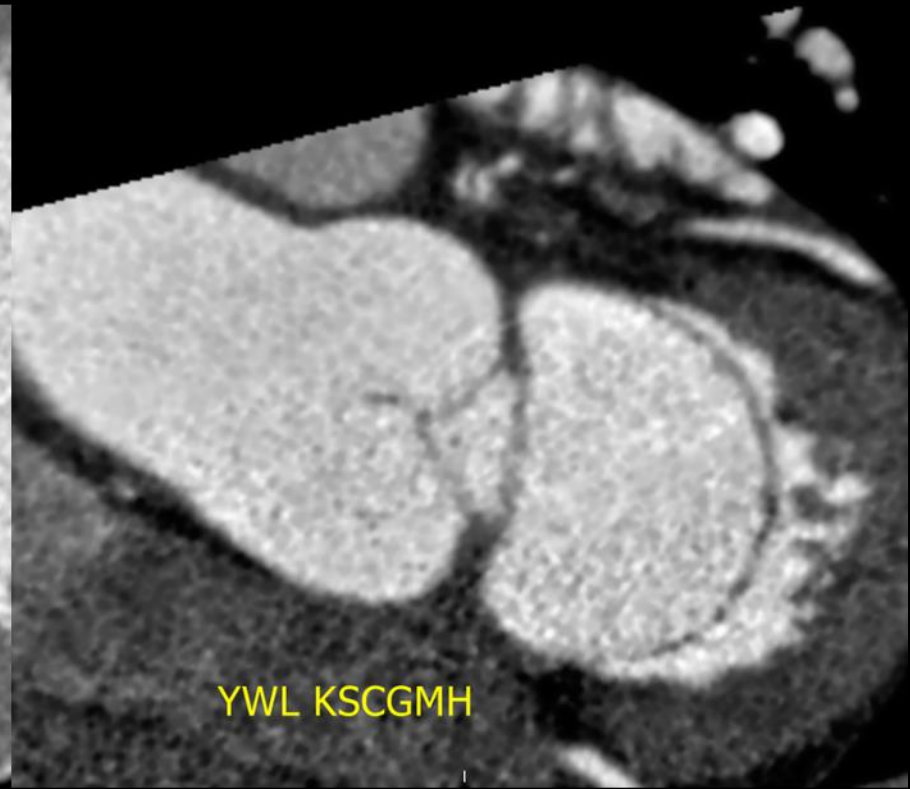
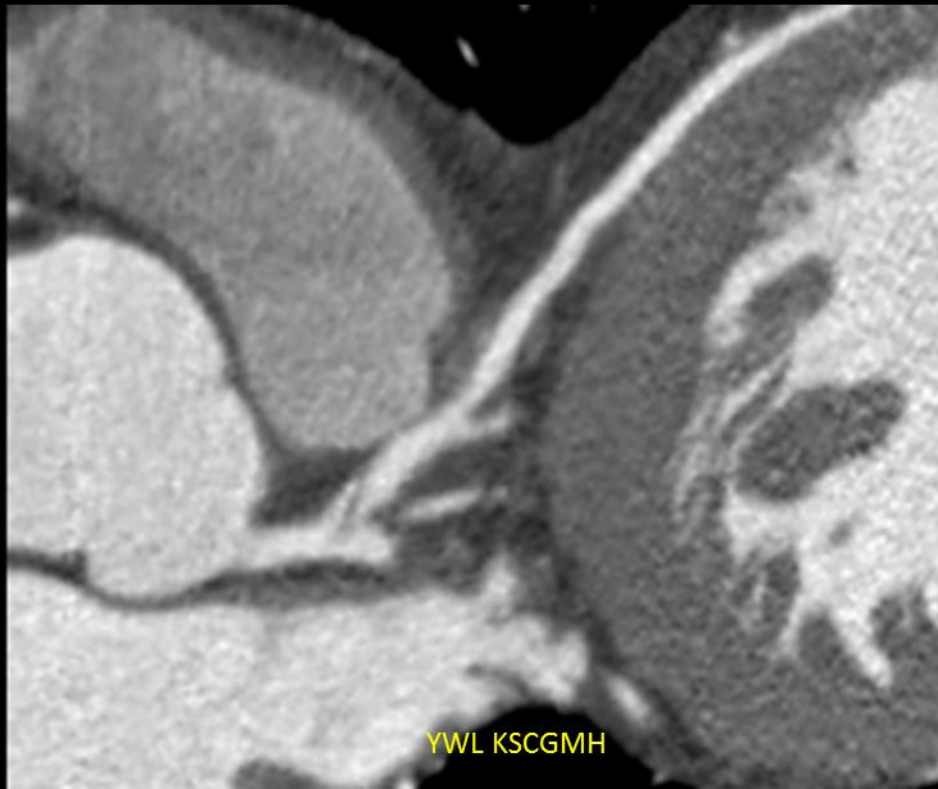
33y/o, female, pregnancy 20+ wks
Pelvic mass found by routine sonography
study



ANS : Ovarian mucinous
cystadenoma

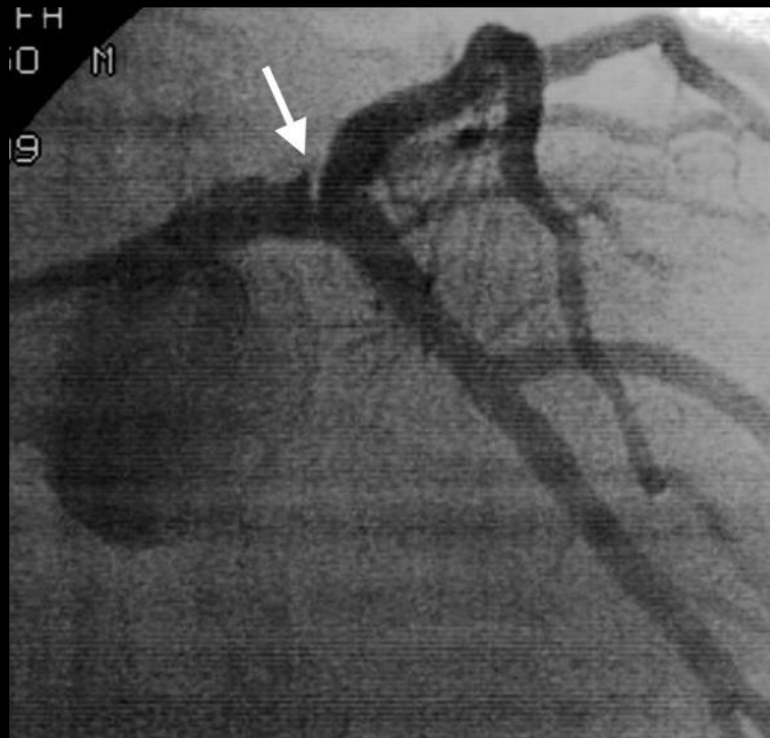
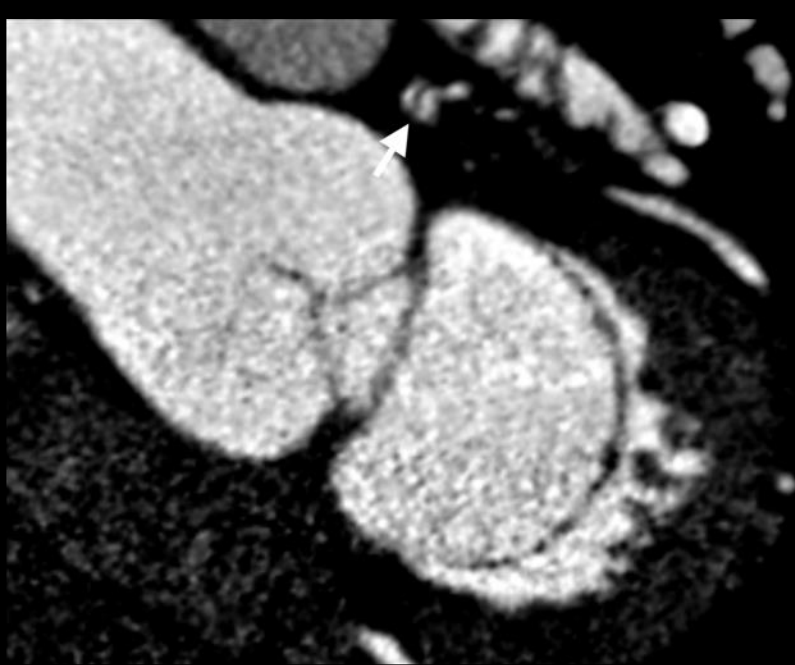
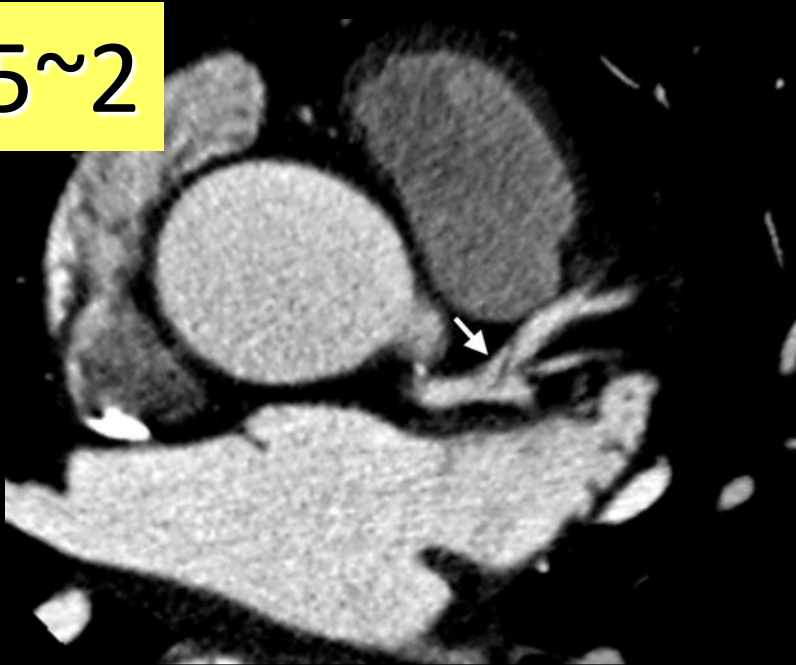
Q35

59M/Smoking/Hypercholesterolemia/Atypical chest pain. What is your diagnosis?



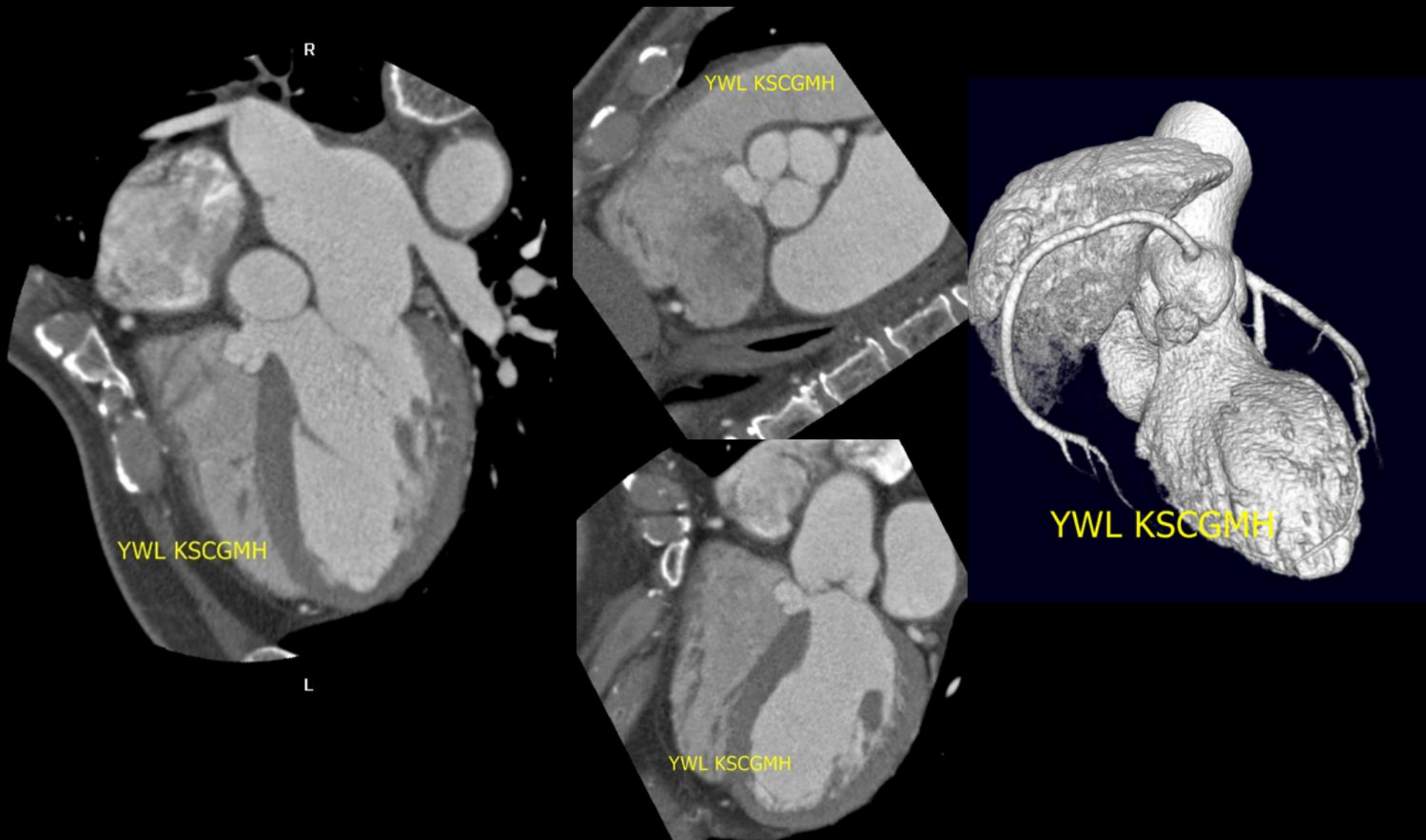
ANS : (Spontaneous) coronary
artery dissection

A35~2



Q36

77M/Non-specific chest pain/TTE showed aneurysm of the sinus of Valsalva. What's the final diagnosis?



ANS : Aneurysms of the
membranous interventricular
septum

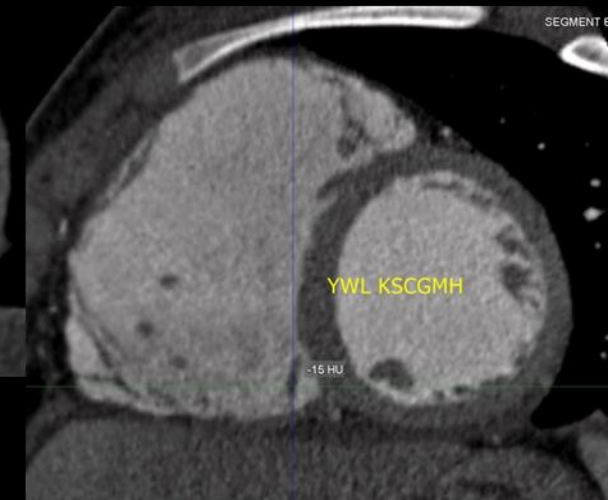
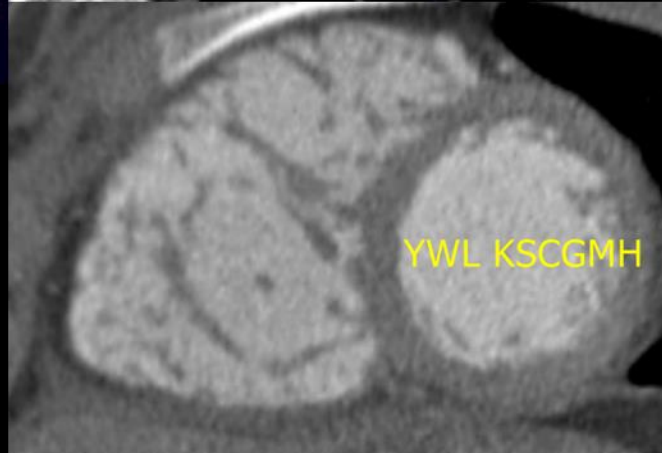
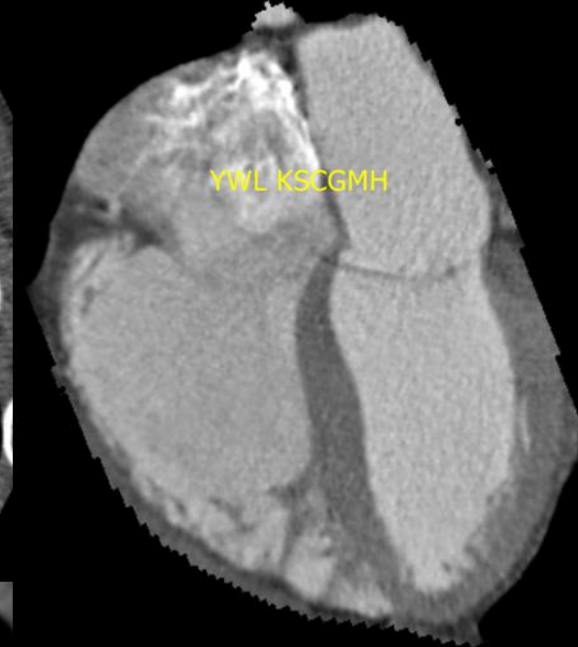
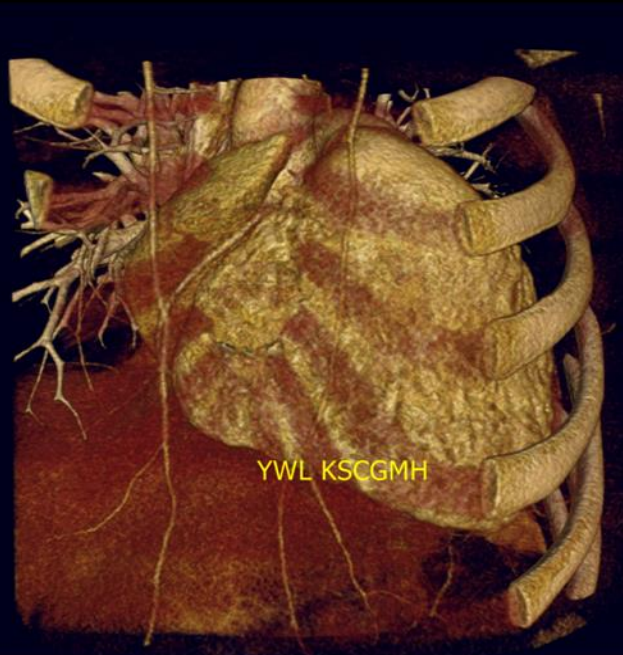
Q37~1

17F/several episodes of syncope and sudden onset of palpitations (VT). What is your diagnosis?



Q37~2

17F/several episodes of syncope and sudden onset of palpitations (VT). What is your diagnosis?



A37~1

ANS : arrhythmogenic right
ventricular
dysplasia (cardiomyopathy)

A37~2

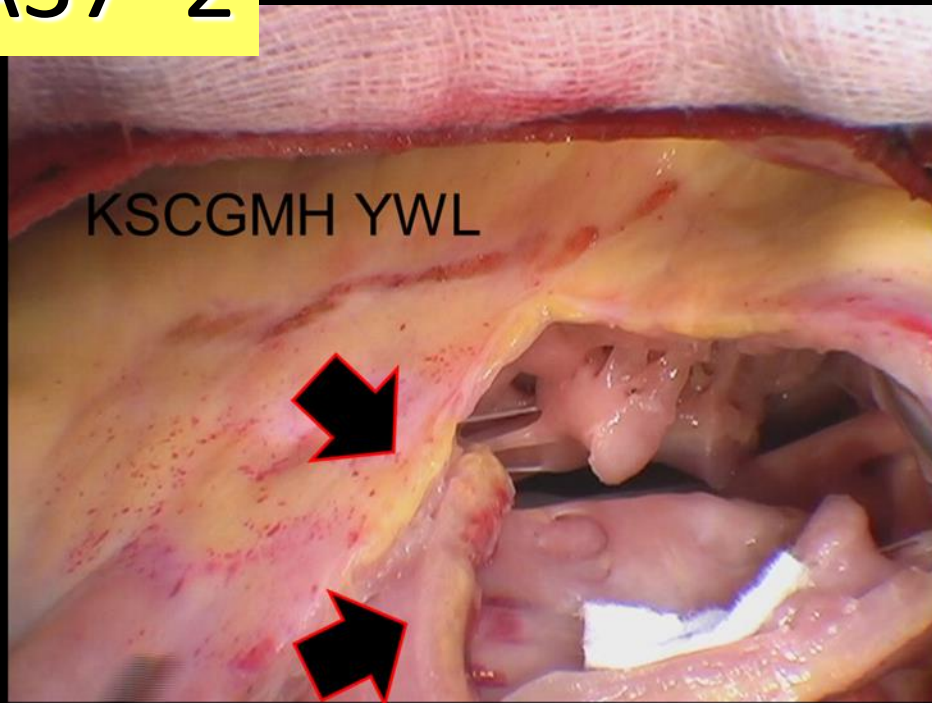


Fig. 5. Surgery revealed dilated RV, prominent trabeculations & fibrofatty change of RV free wall (black arrow) .

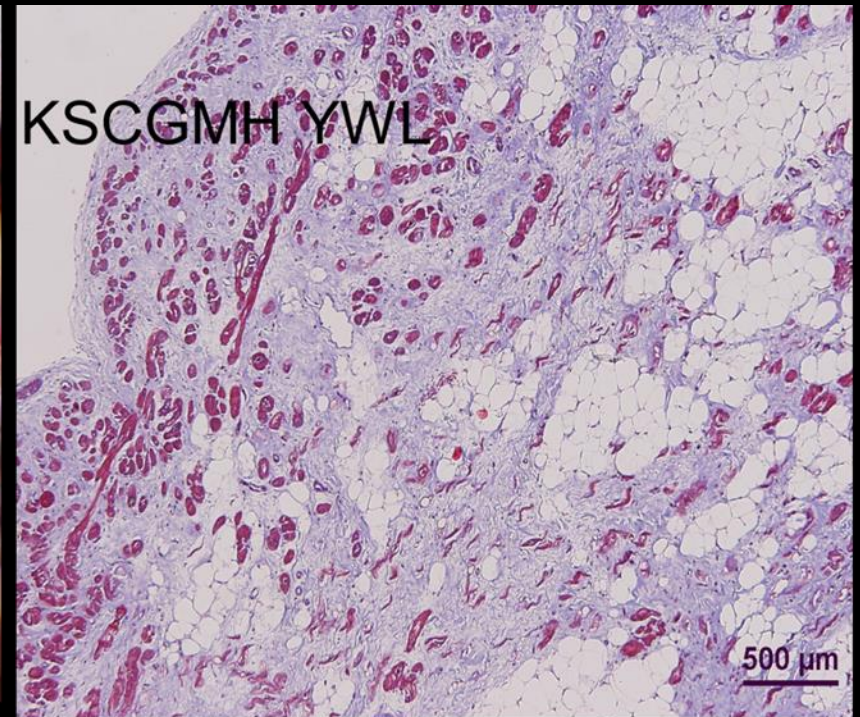
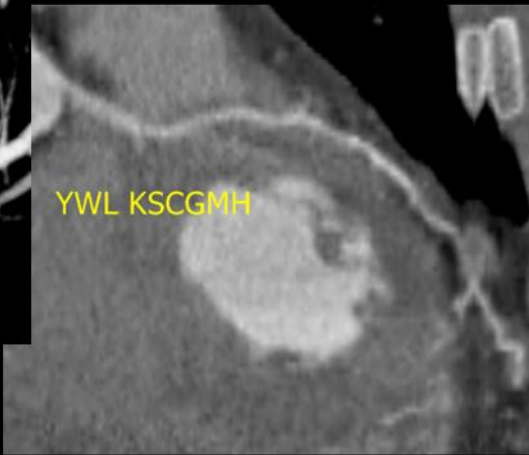
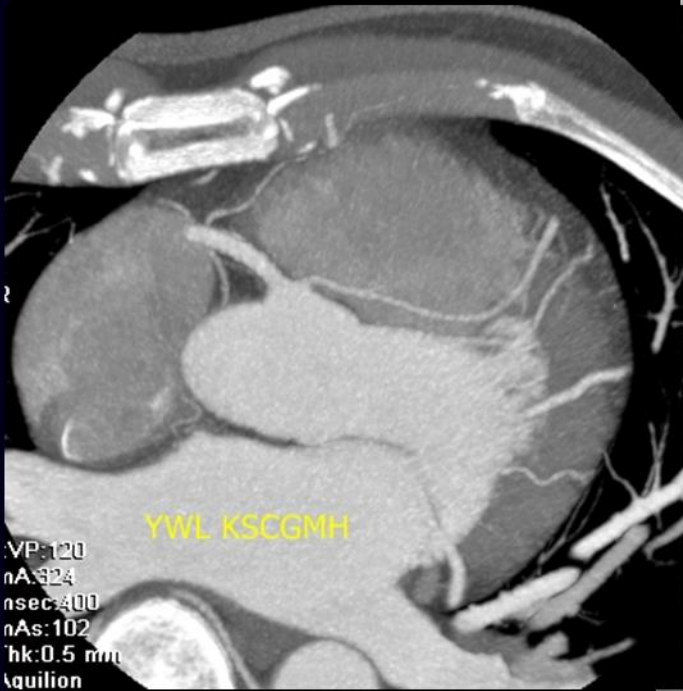
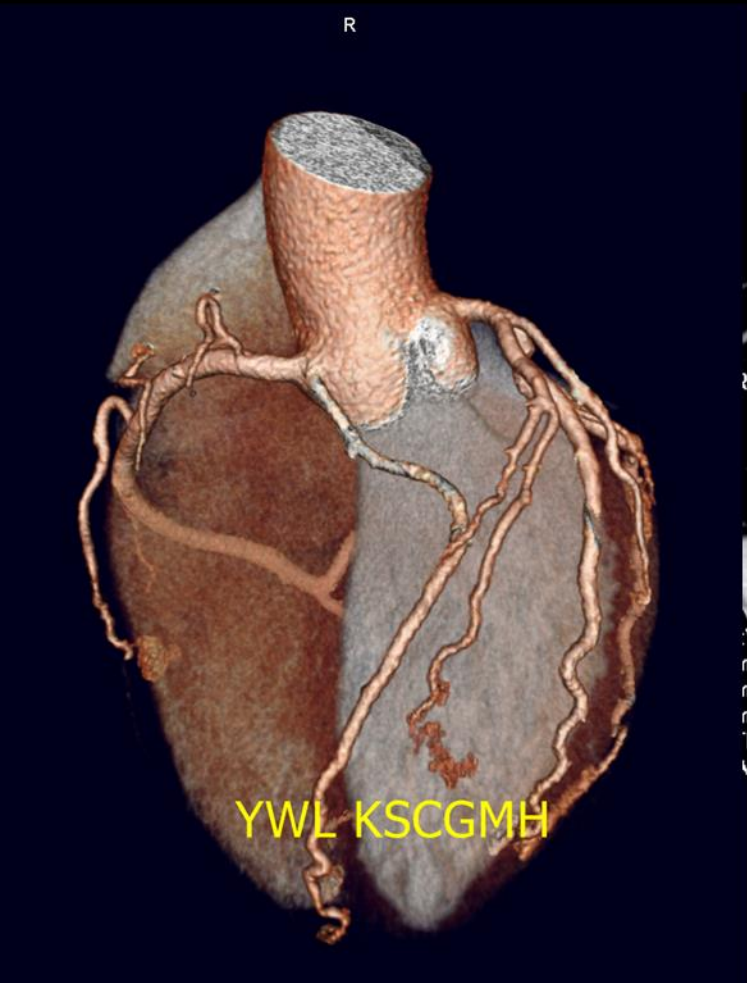


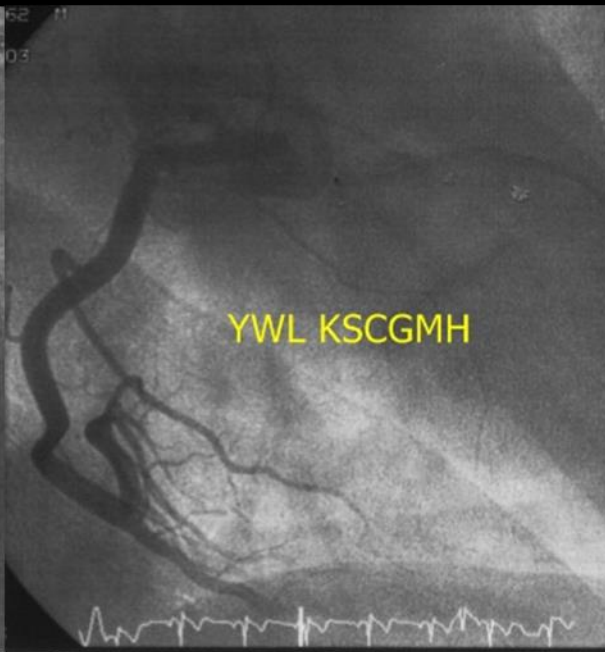
Fig. 6. Histopathological examination shows fibrofatty change of myocardium (Masson Trichrome stain x 13.2)

What is the diagnosis?



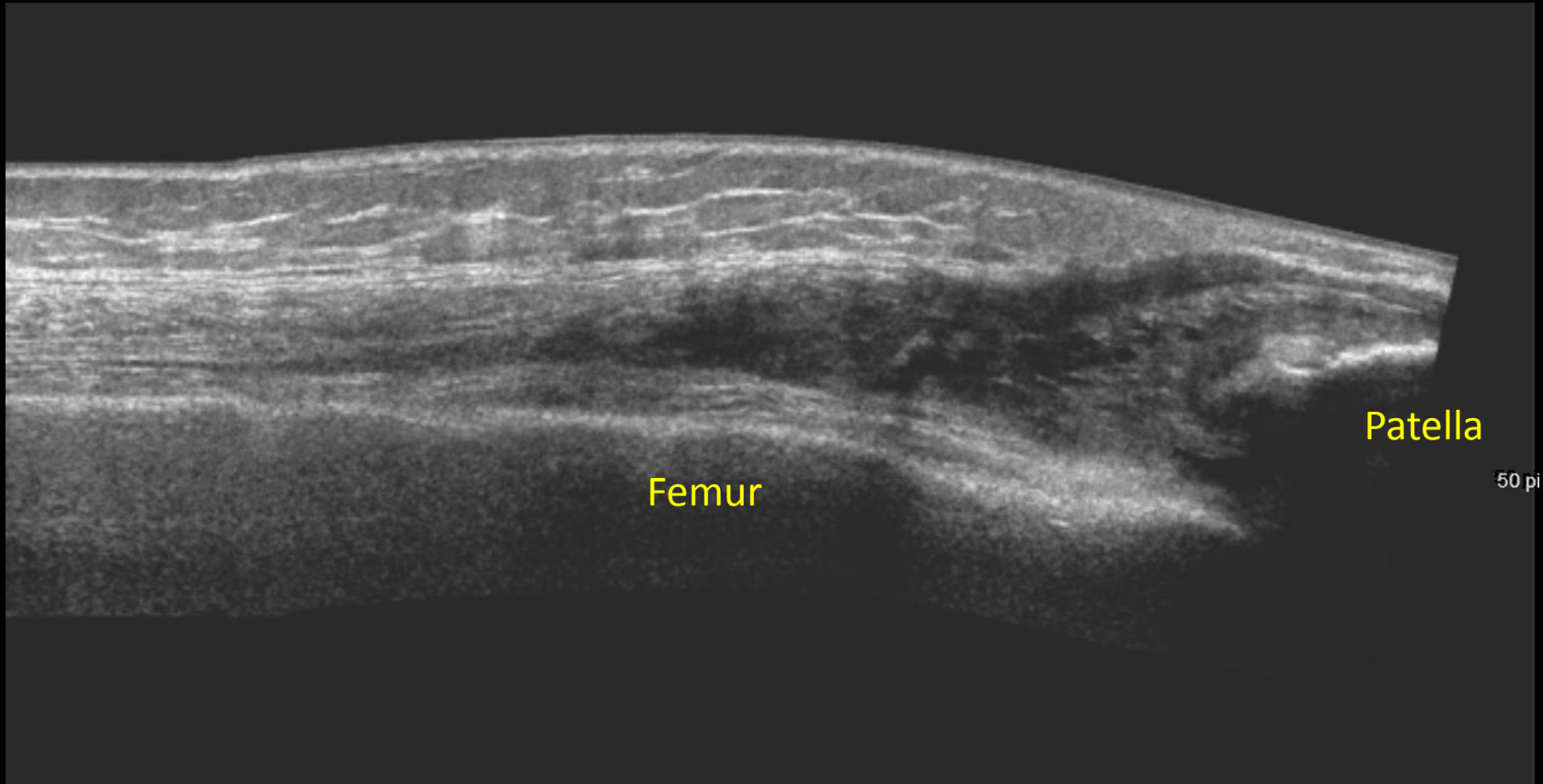
- **Dual LAD type IV** (Spindola-Franco classification)
 - Multiple ostia of right sinus (RCA + long LAD)
- **Abnormal origin of long LAD with interarterial** (RVOT and AO) and intramural course;
- **Myocardial bridge of long LAD** (proximal/intramural part)

A38~2



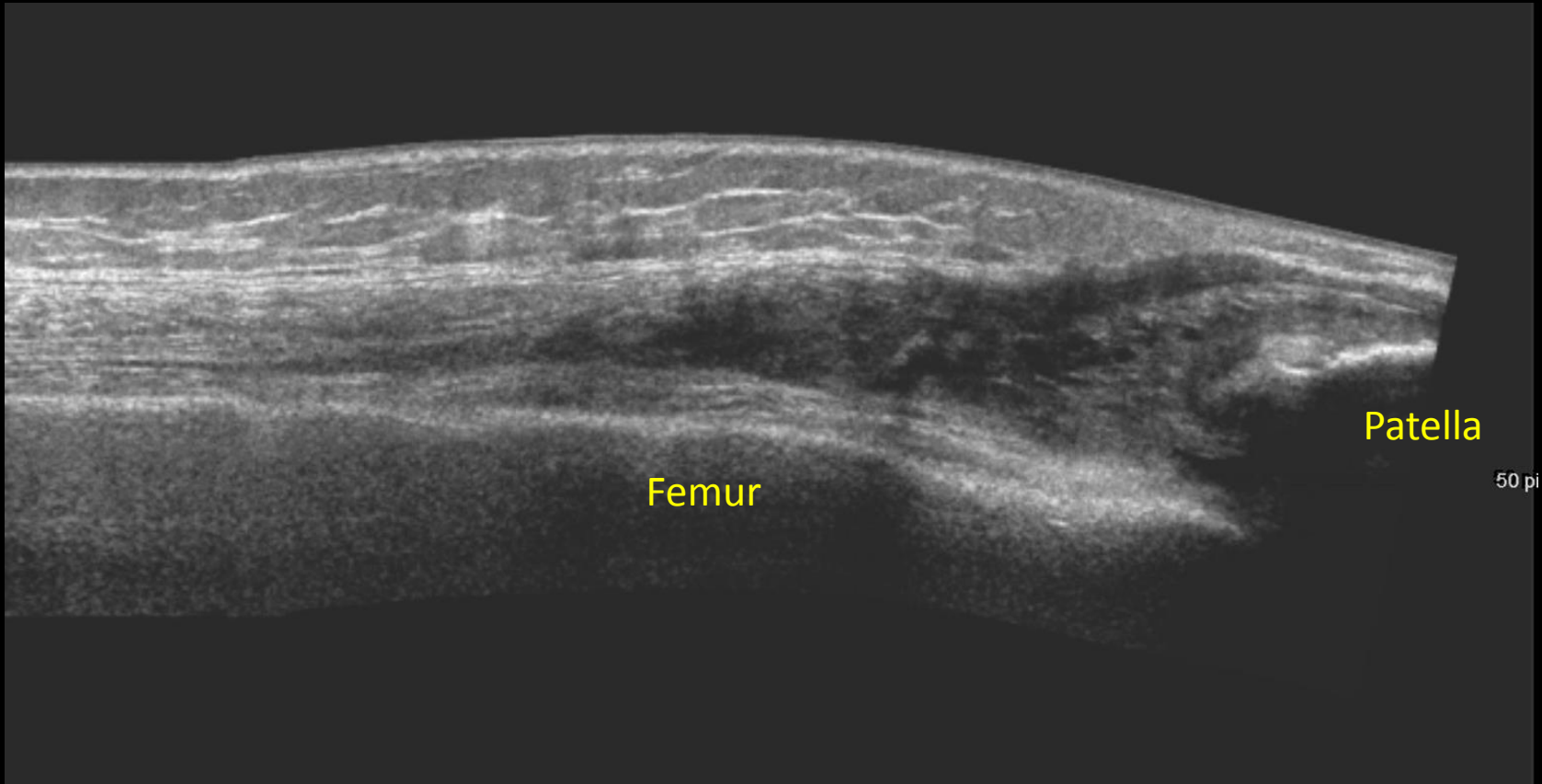
Q39

A 28 y/o lady
Anterior Sagittal



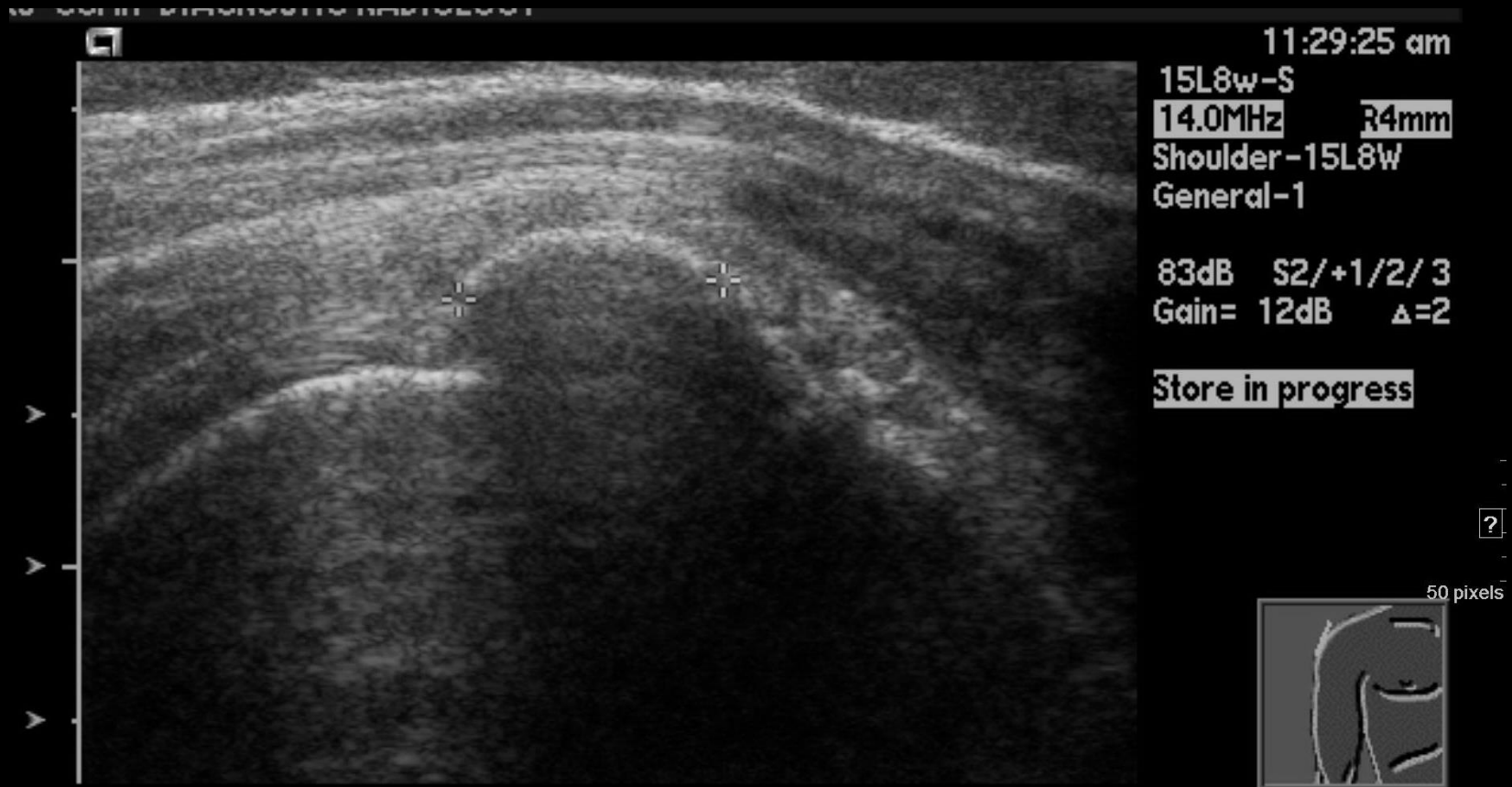
A39

ANS : Quadriceps Tendon Rupture

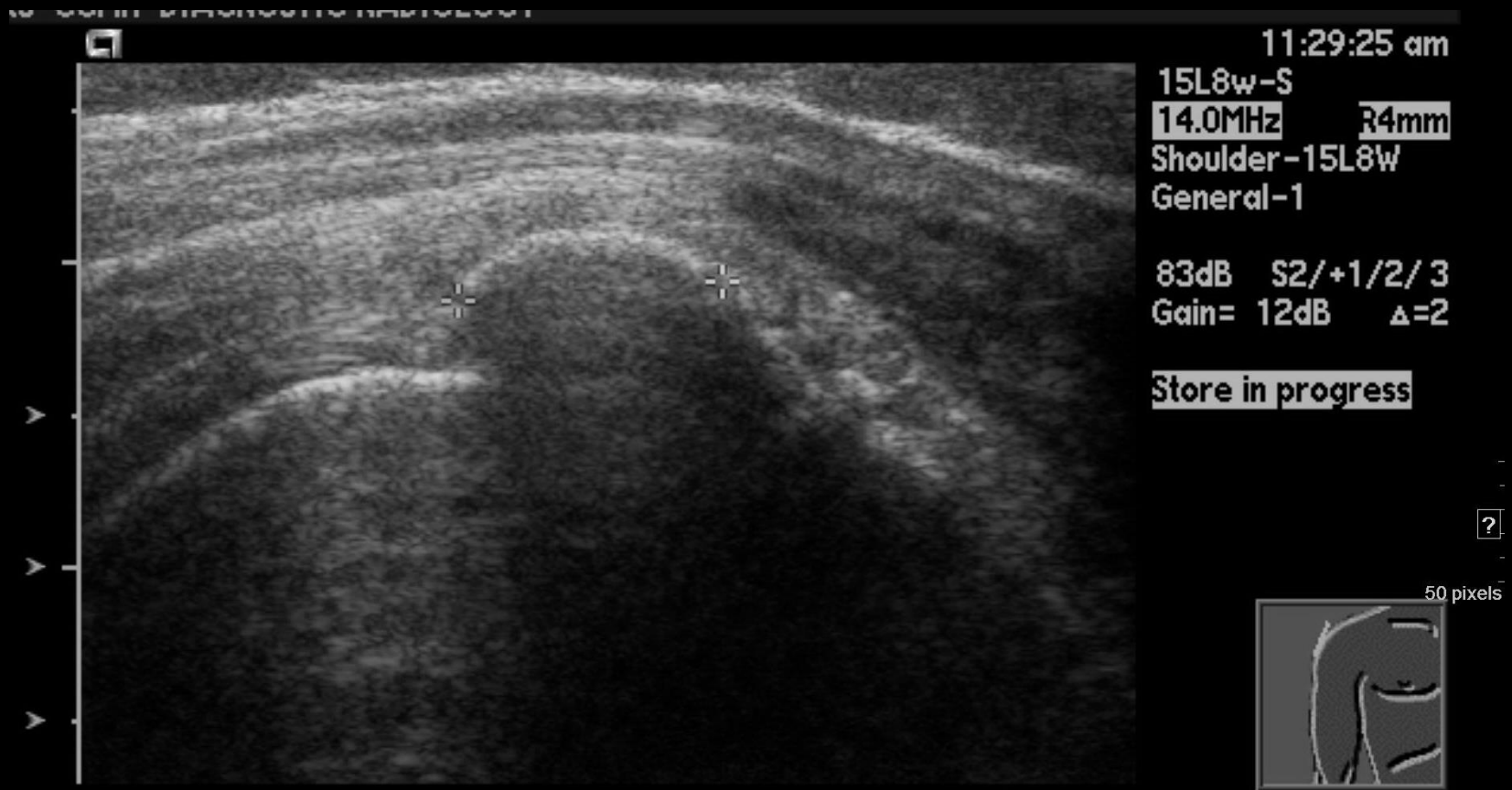


Q40

A 51 y/o woman

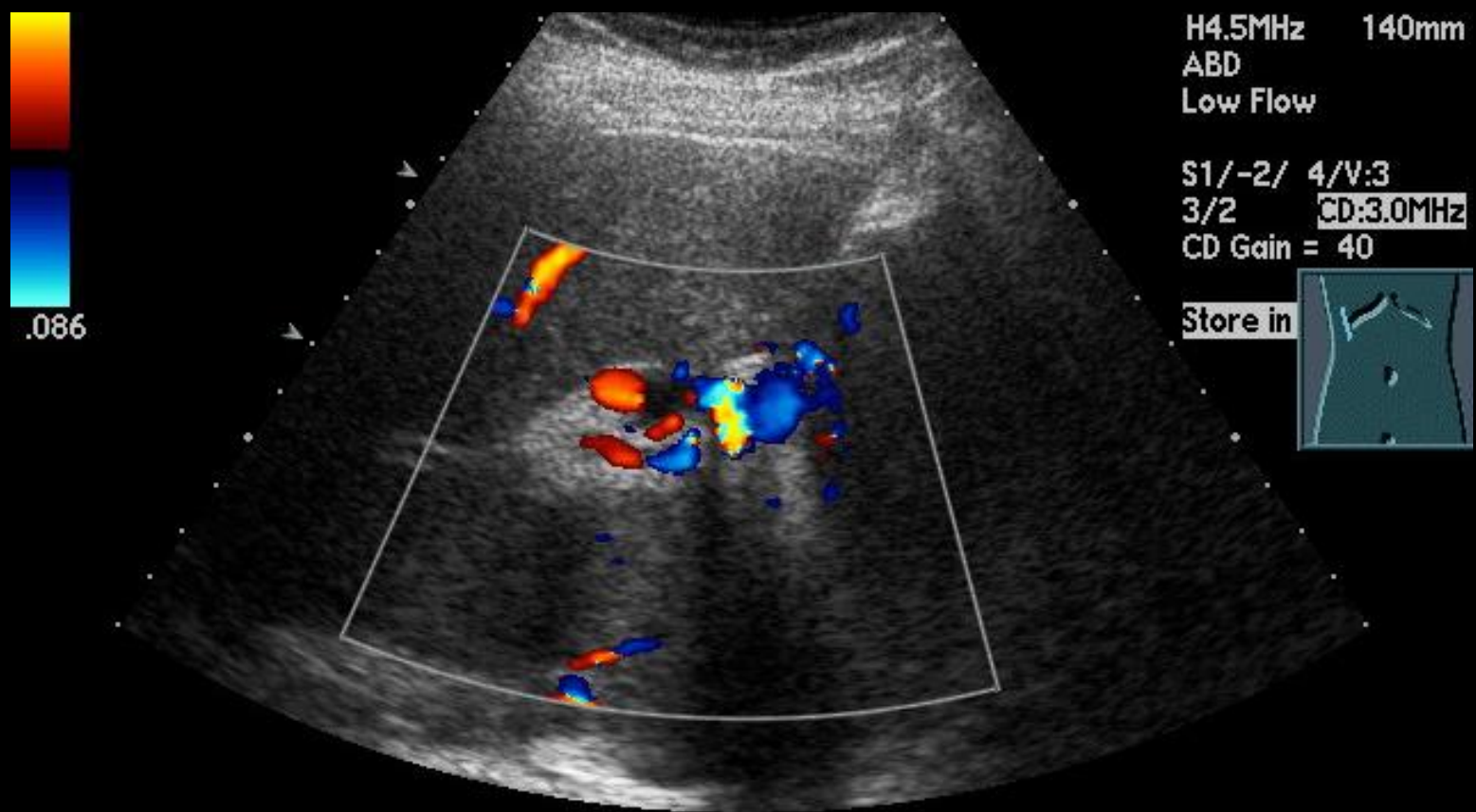


ANS : Calcifying tendinitis of Supraspinatus Tendon



Q41

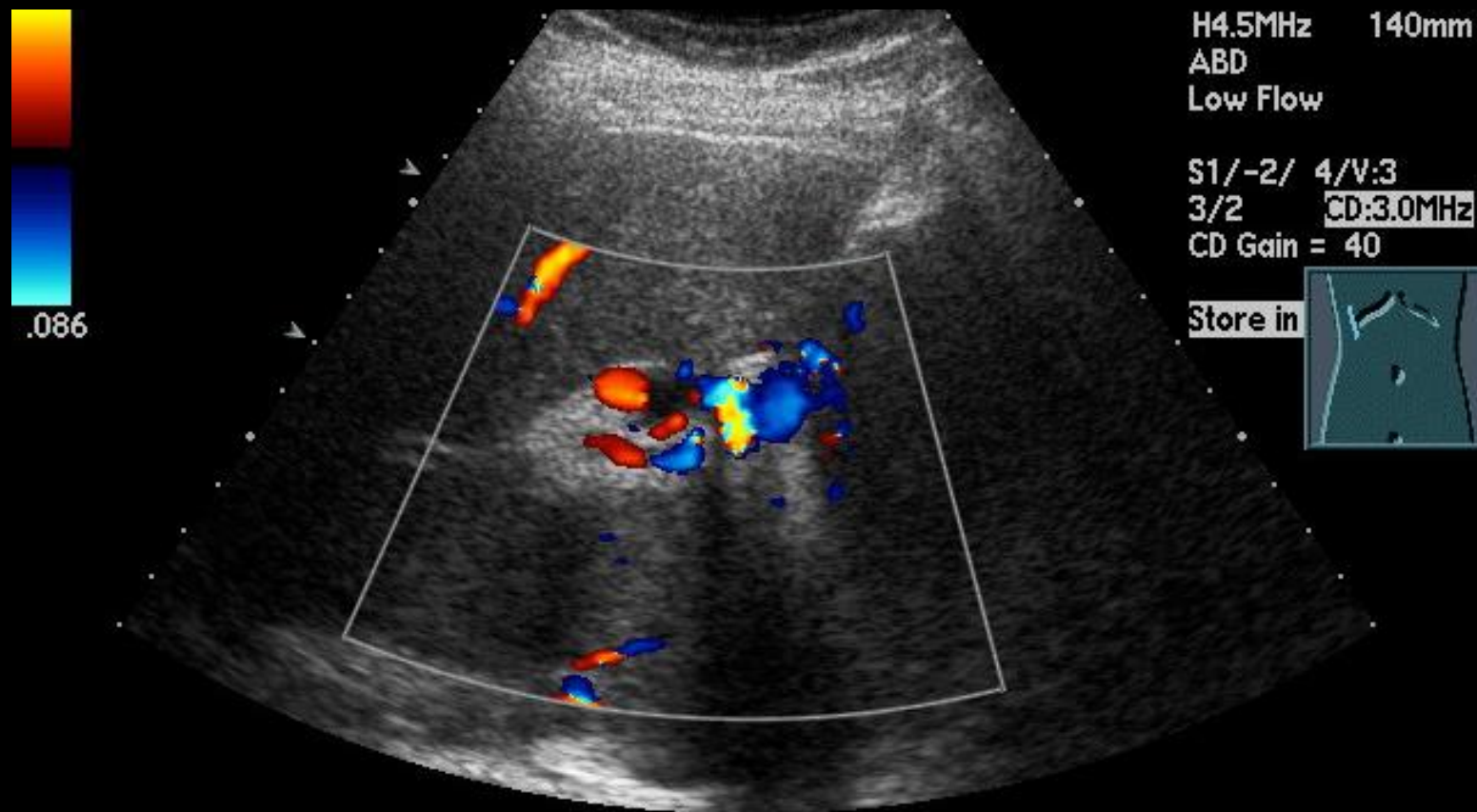
What is your diagnosis (in the box)?



C128
W256

A41

ANS : PV thrombosis with cavernous transformation



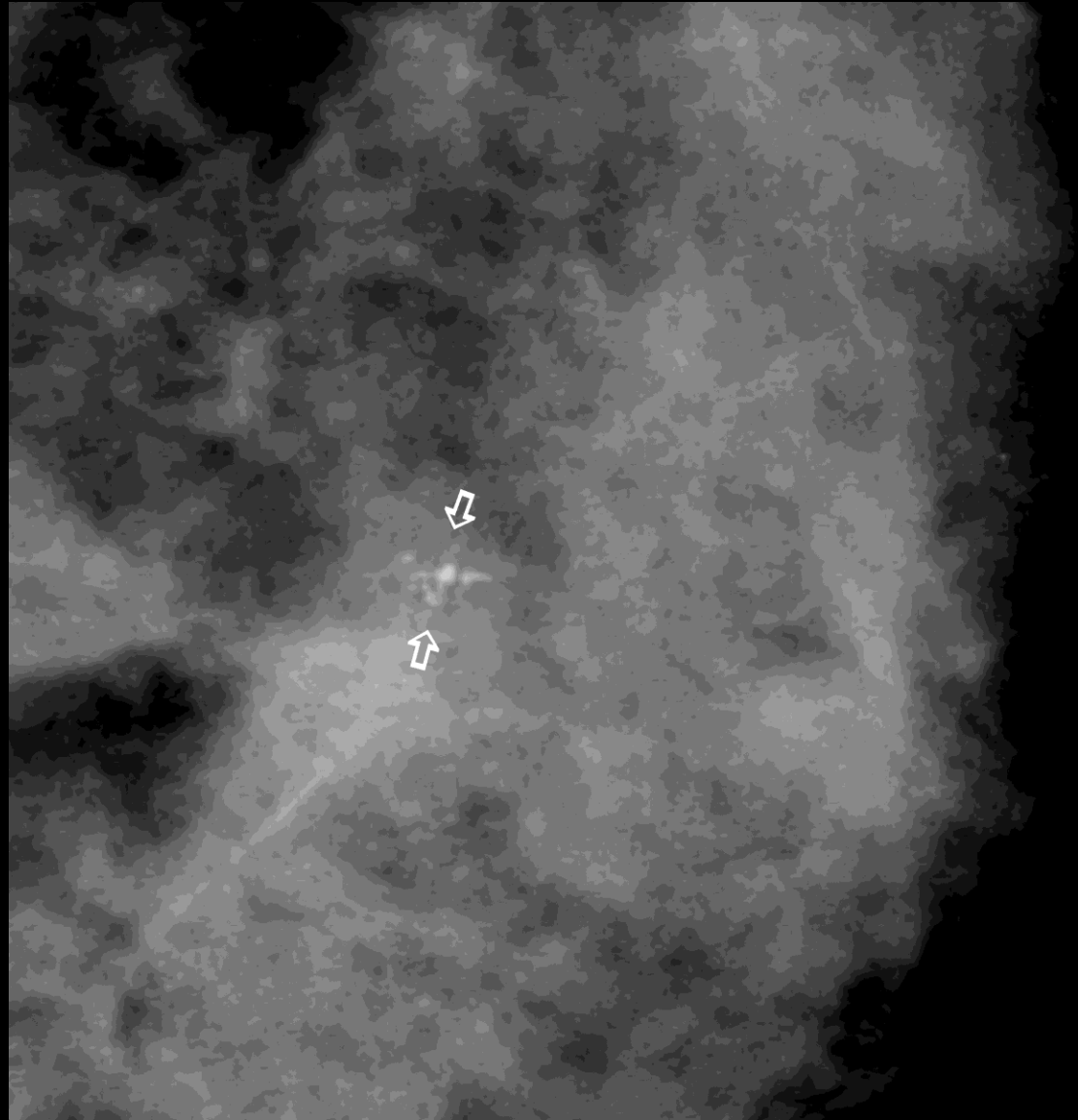
Q42~1

What is the
abnormality?
BIRADS?



Q42~2

What is the
abnormality?
BIRADS?



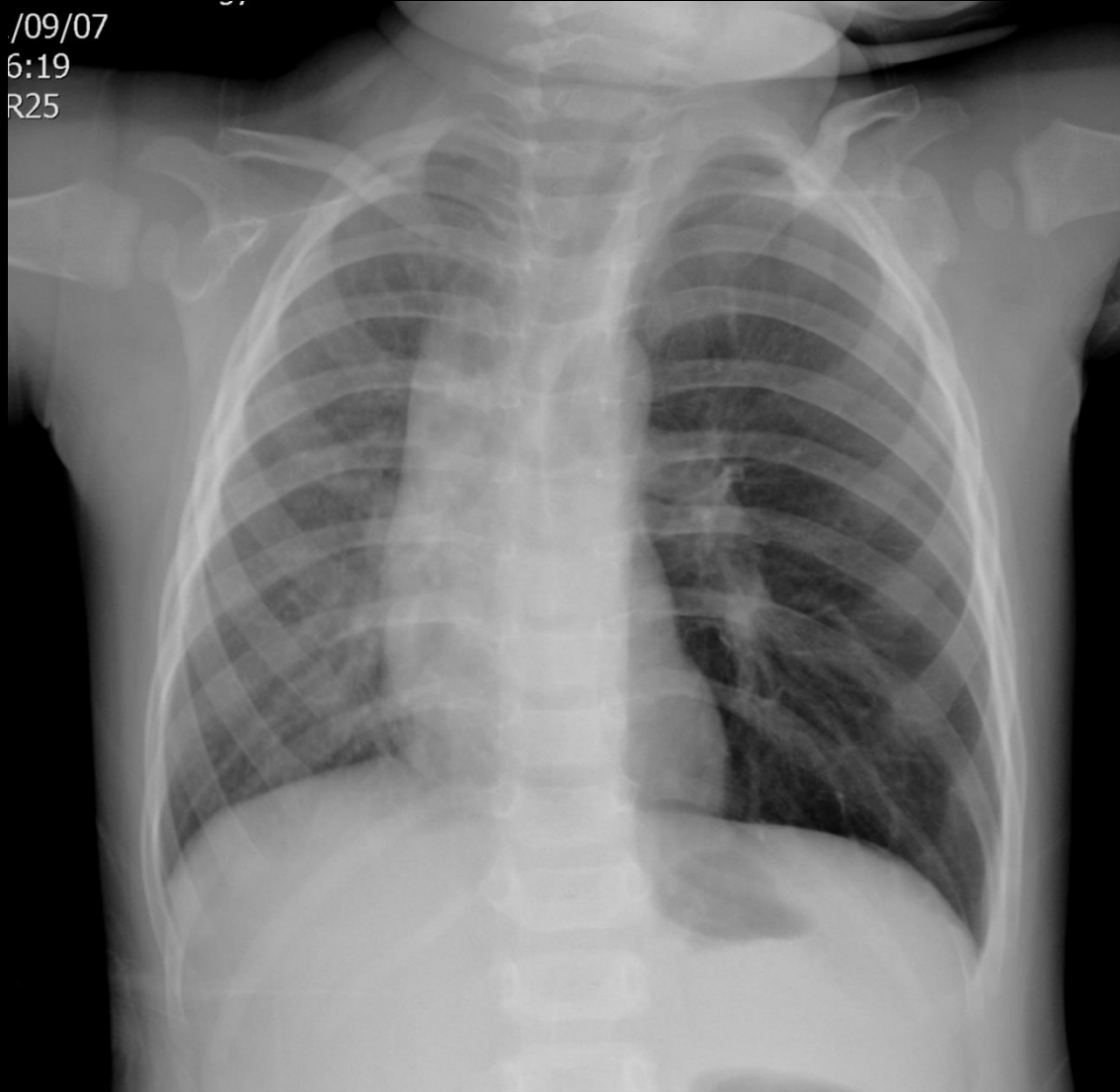
ANS :

- Echo - Dilated lactiferous duct with internal echogenic materials
- Mammogram – cluster of amorphous microcalcifications
- BIRADS 4b

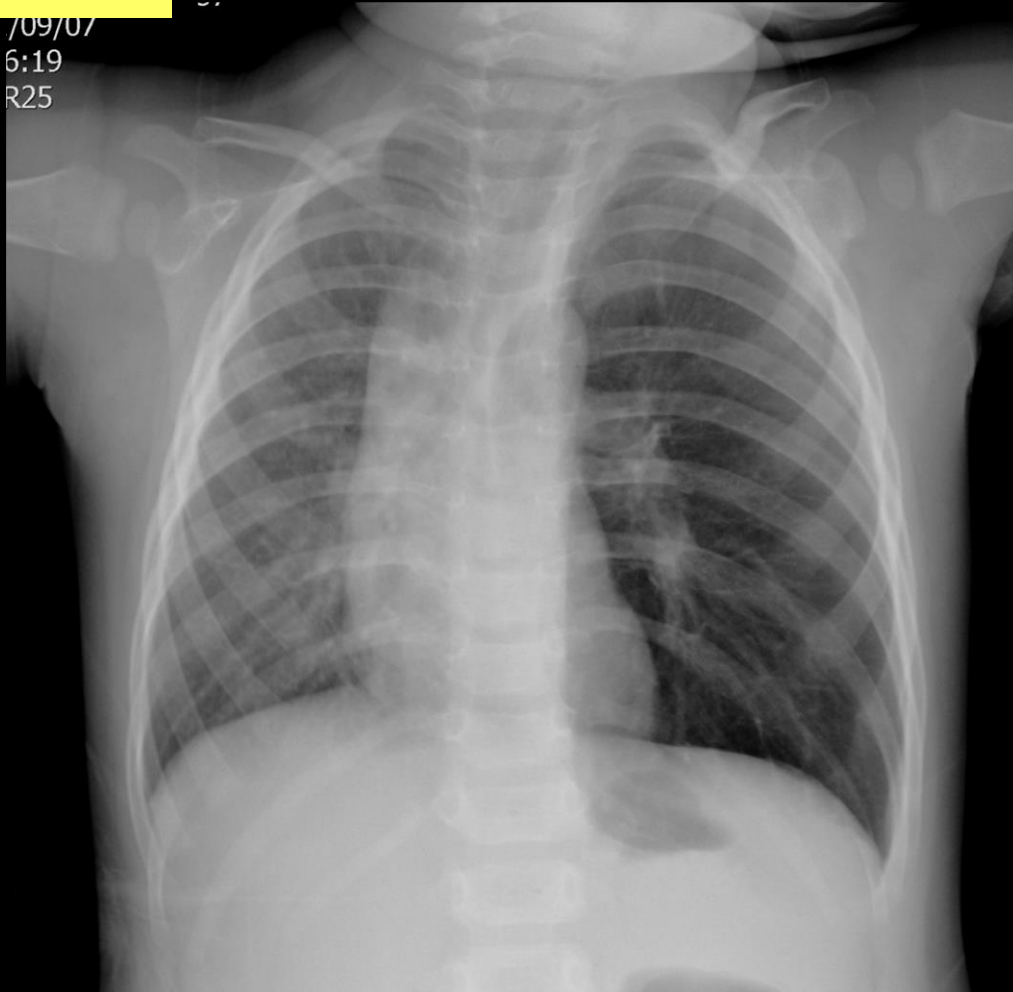
Pathology - DCIS

Q43

**1 y/o boy, referred by the pediatrician as
acute bronchiolitis**

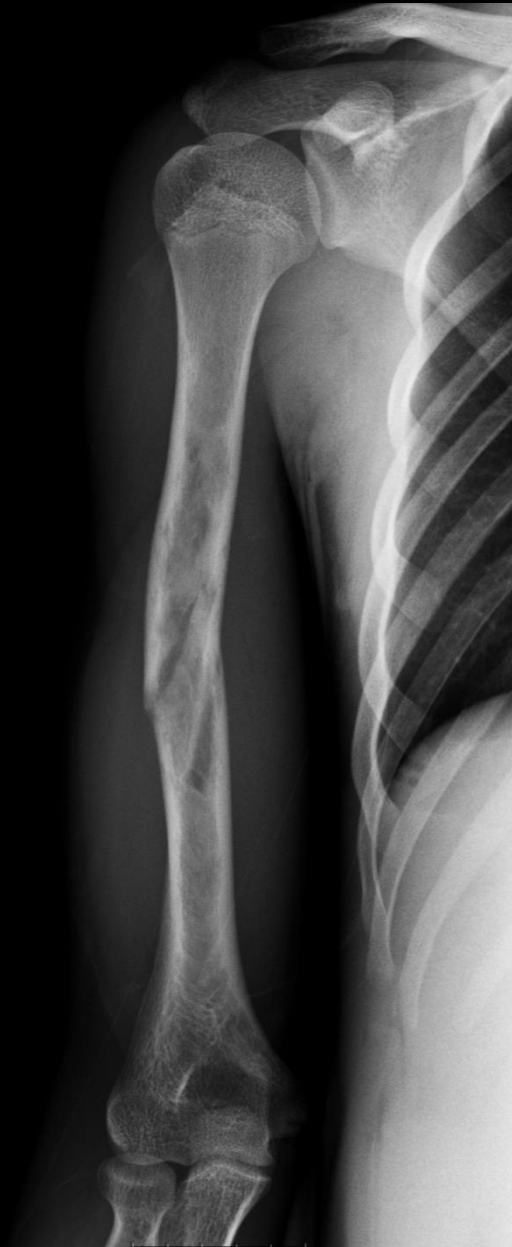


A43



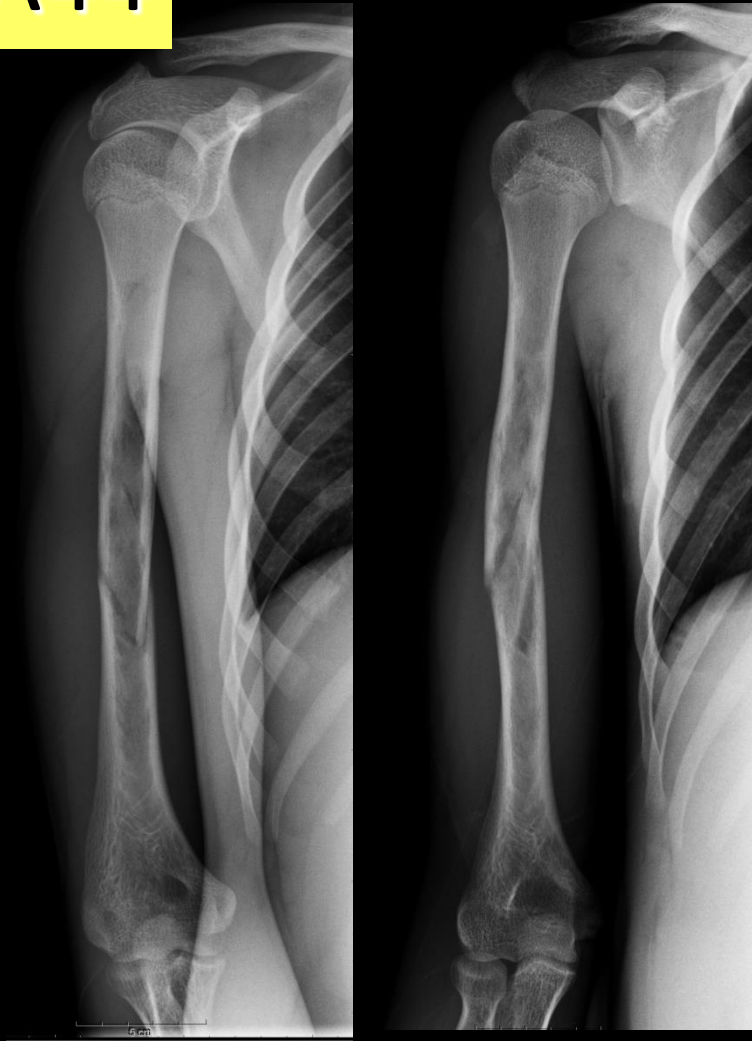
ANS : Foreign body (peanut) in left main
bronchus

Q44

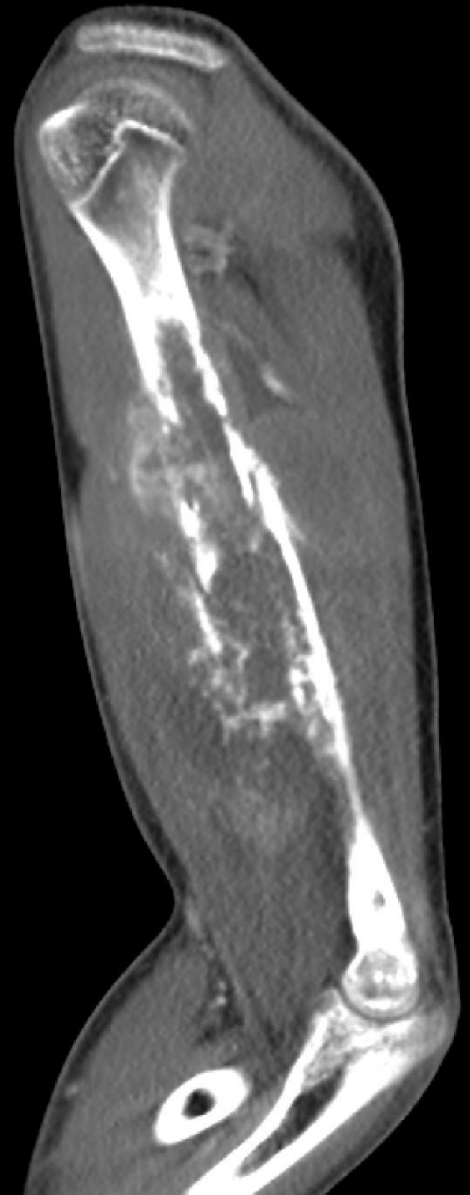


**14 y/o male, Rt
upper arm pain
after trauma
during playing
basketball**

A44



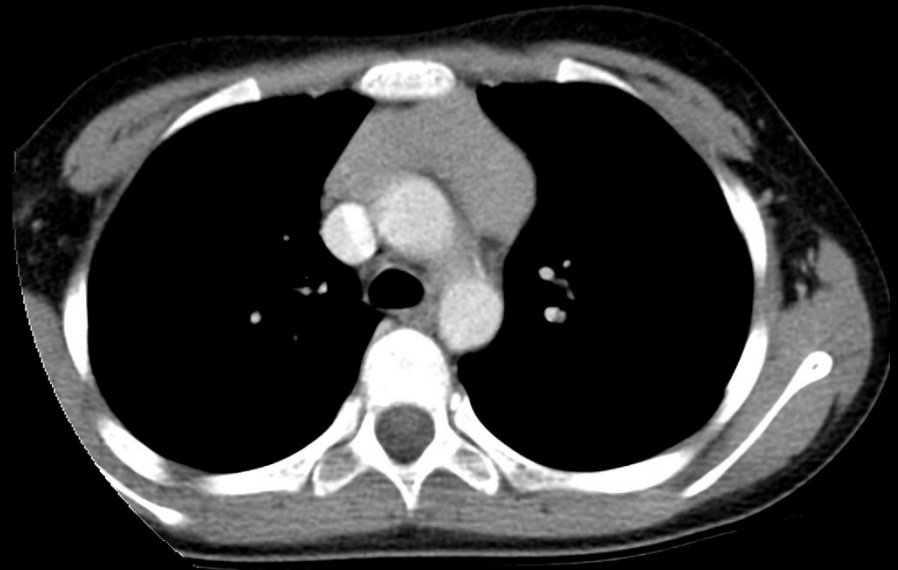
ANS : Humeral
Ewing Sarcoma



4 wks later

Q45

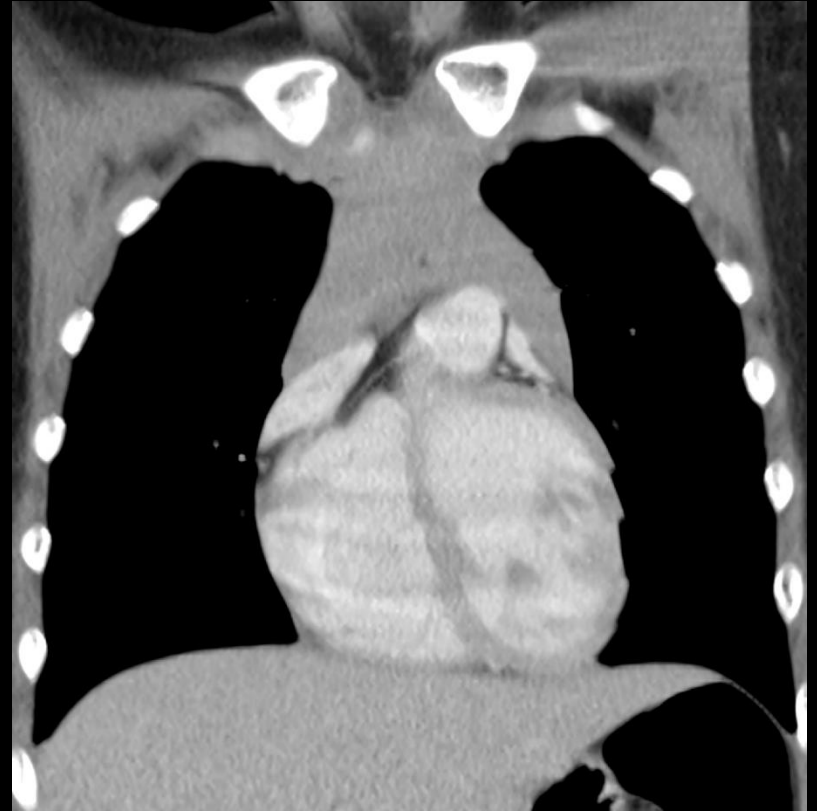
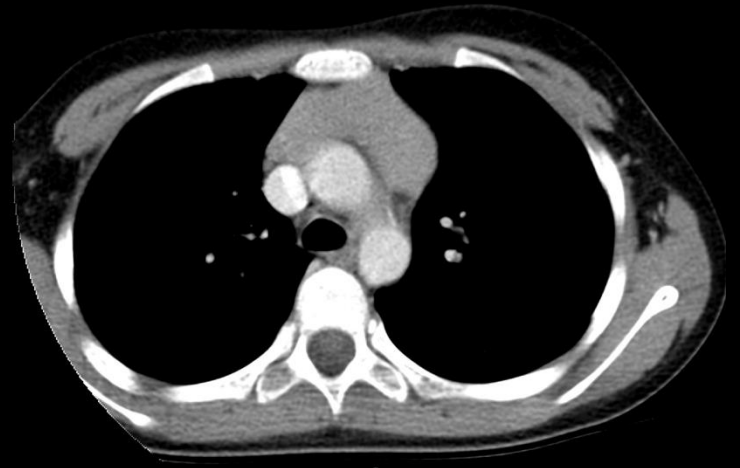
**11 y/o girl, referred from other institution
with suspected thoracic neoplasm**



A45



ANS : Thymic Hyperplasia

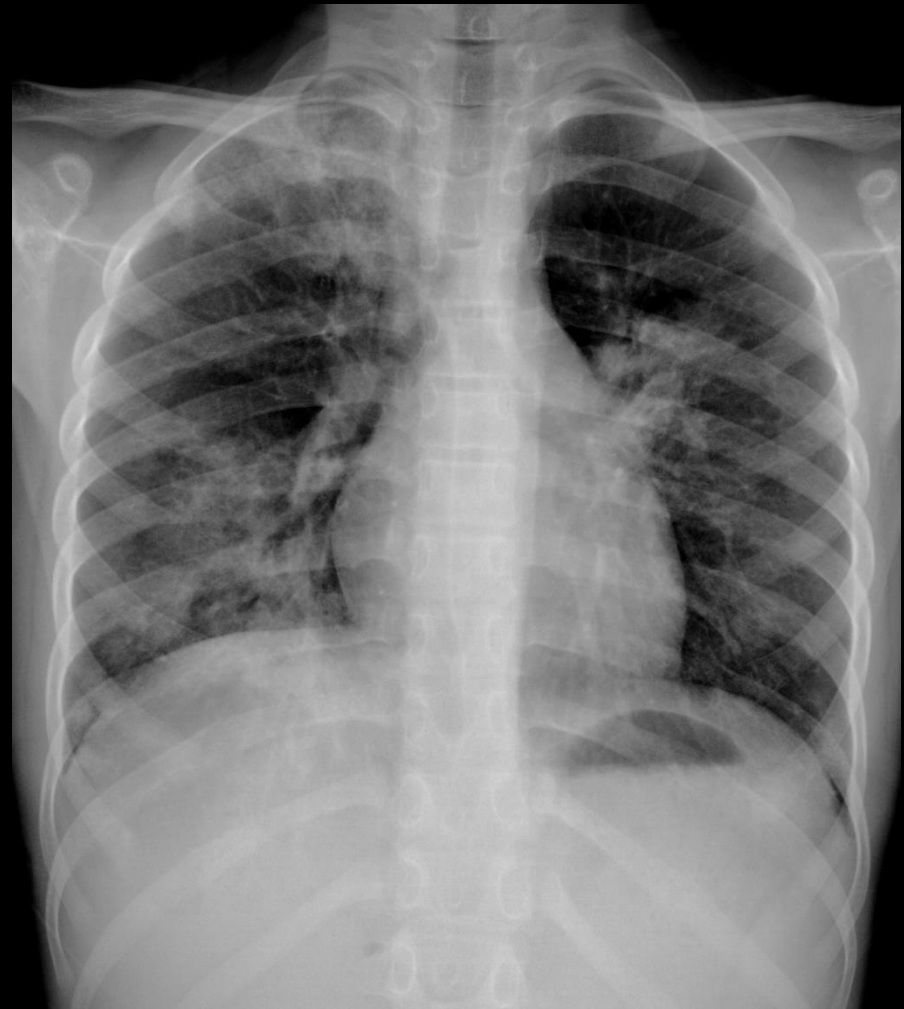


Q46

11 y/o girl, rhinorrhea and cough for several months

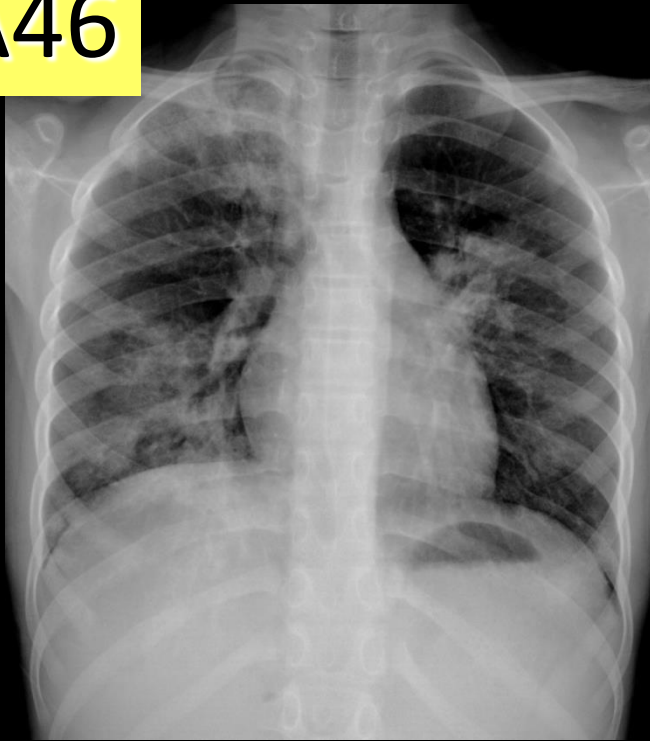


20091103



20091109

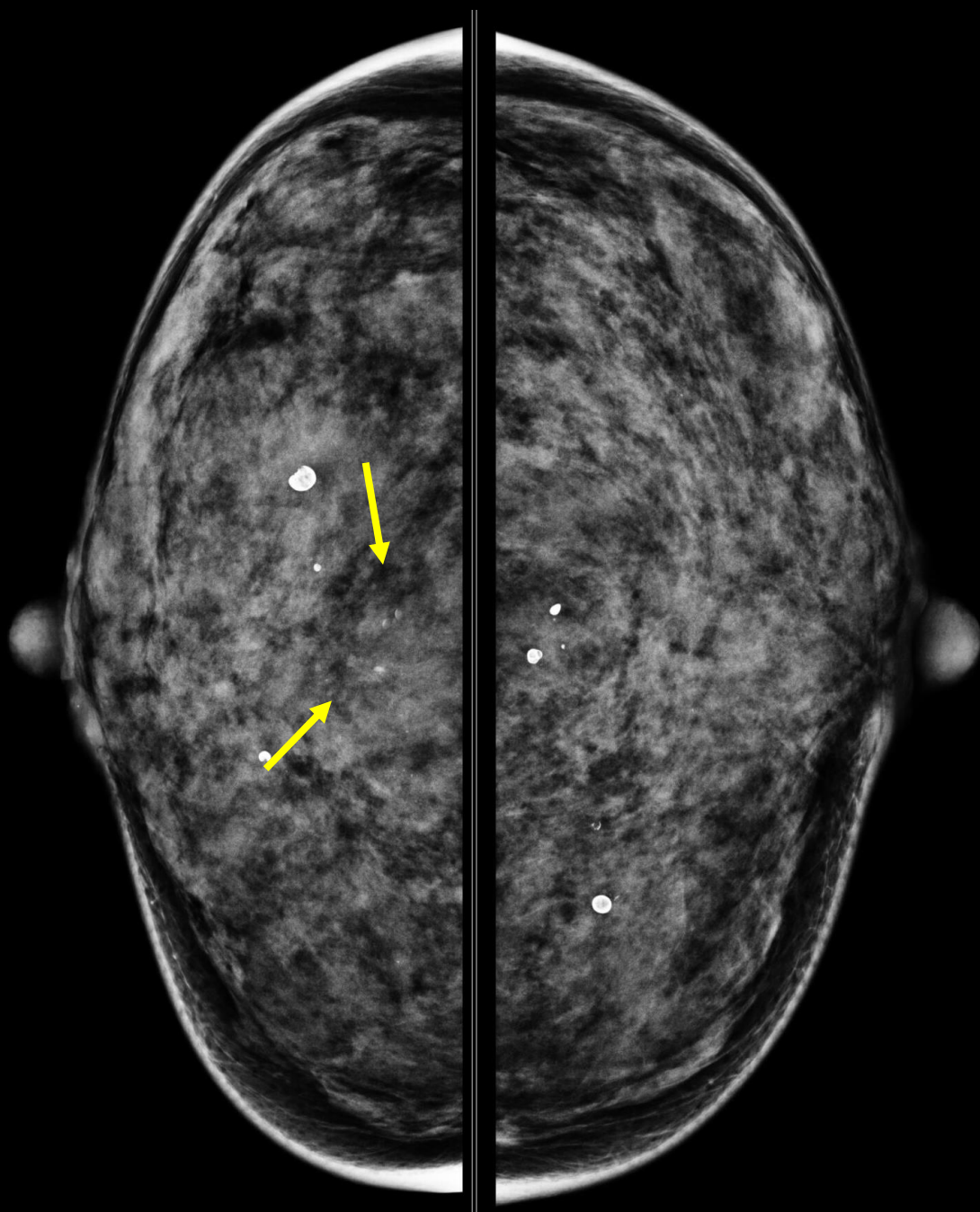
A46



ANS : **Wegener granulomatosis**

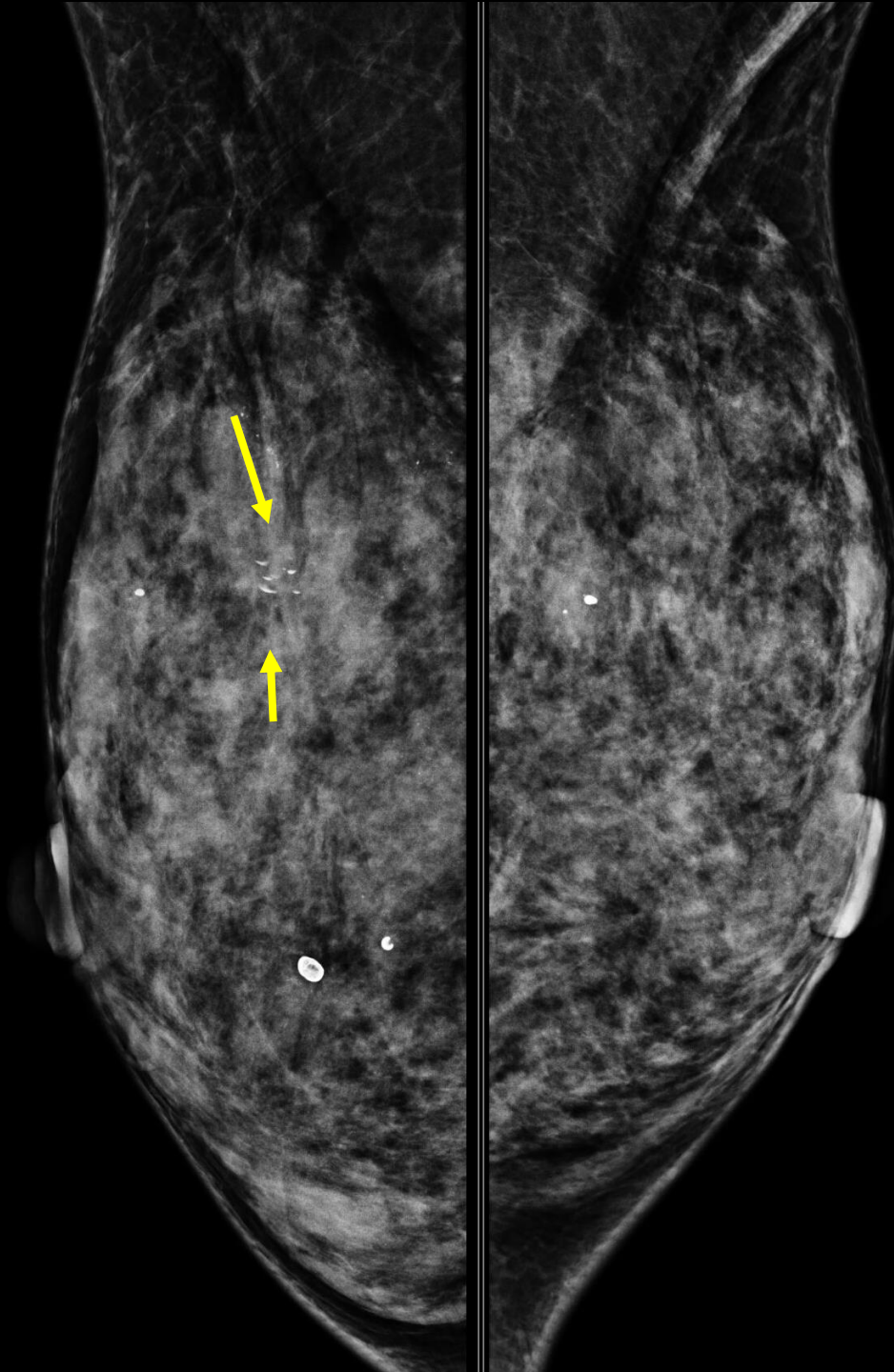
Q47-1

箭頭所指的lesion
為何？
BIRADS?



Q47-2

箭頭所指的lesion
為何？
BIRADS？

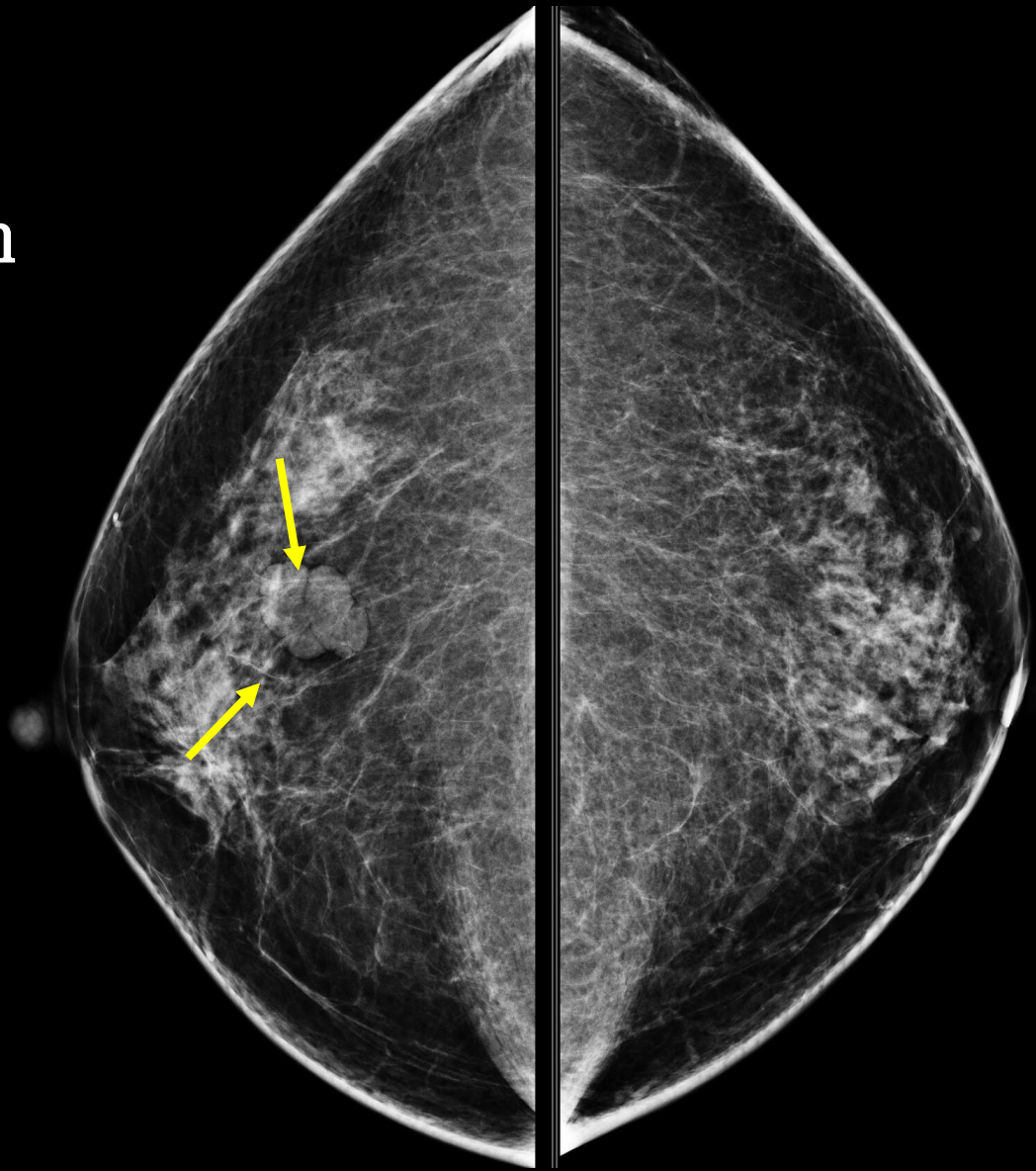


ANS :

- Milk of calcium in breast cysts
- BIRADS: 2

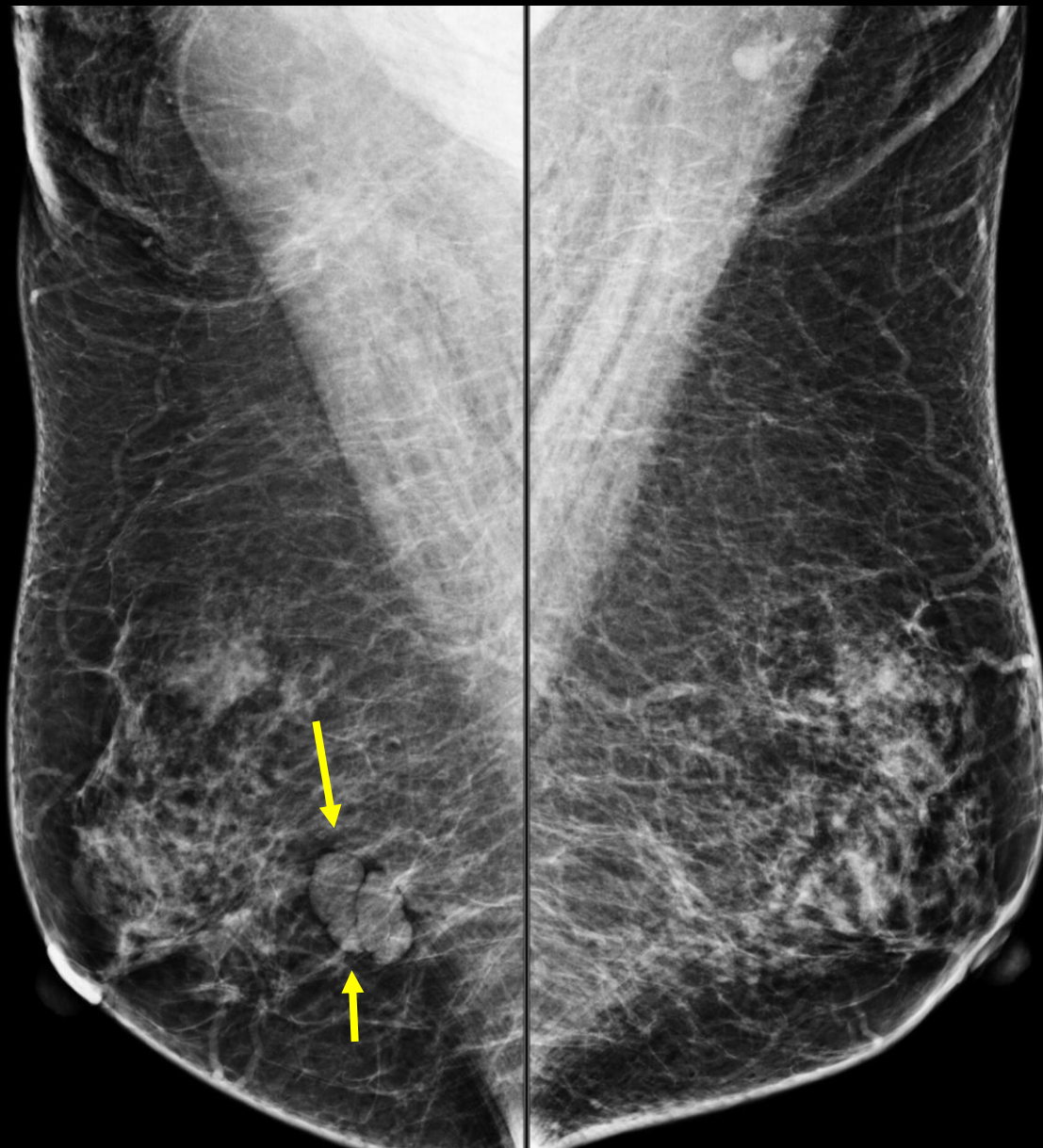
Q48-1

箭頭所指的lesion
為何？
BIRADS?



Q48-2

箭頭所指的lesion
為何？
BIRADS?

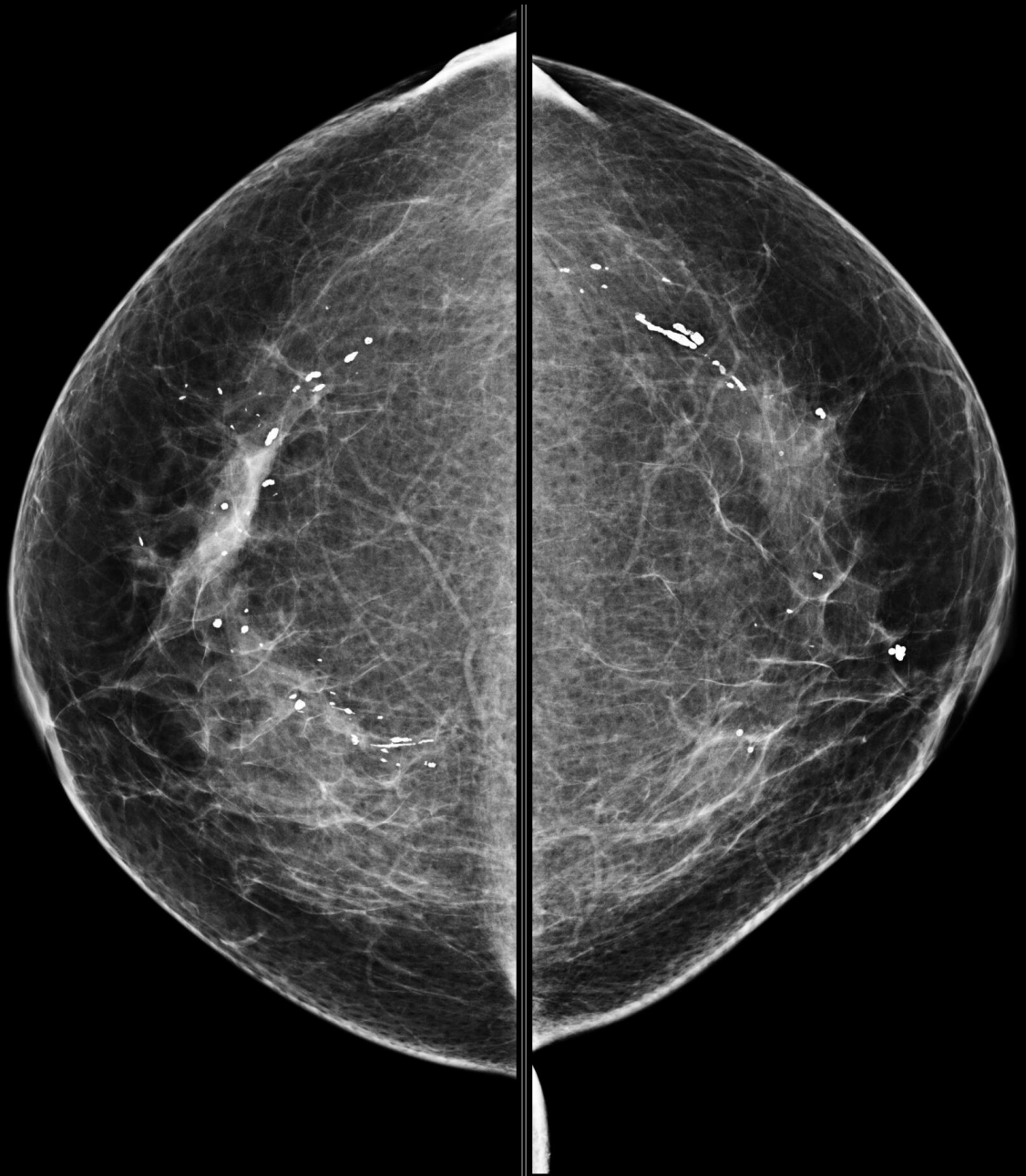


ANS :

- Skin lesion (wart) over right breast
- BIRADS: 2

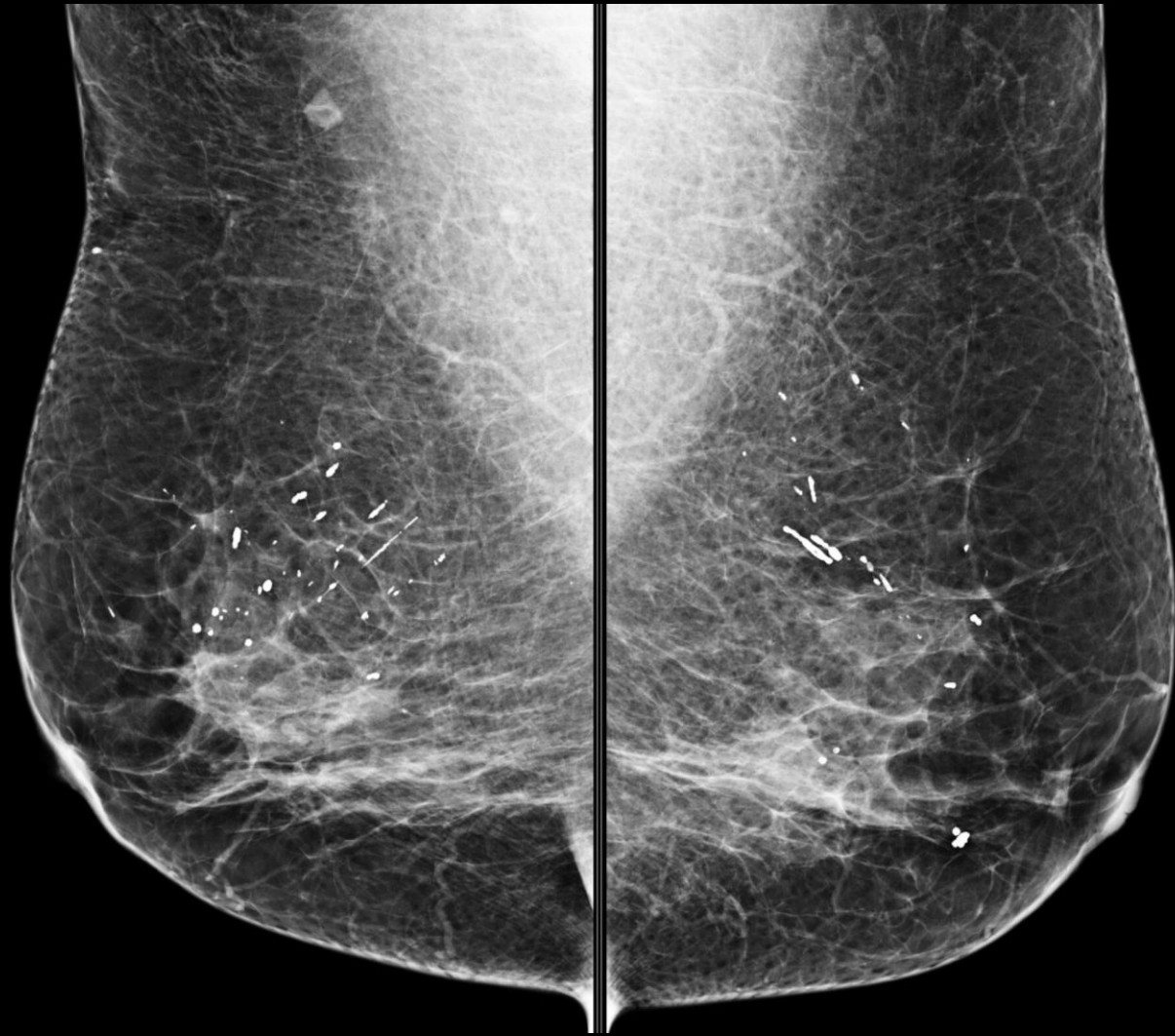
Q49-1

Findings ?
BIRADS?



Q49-2

Finding ?
BIRADS?

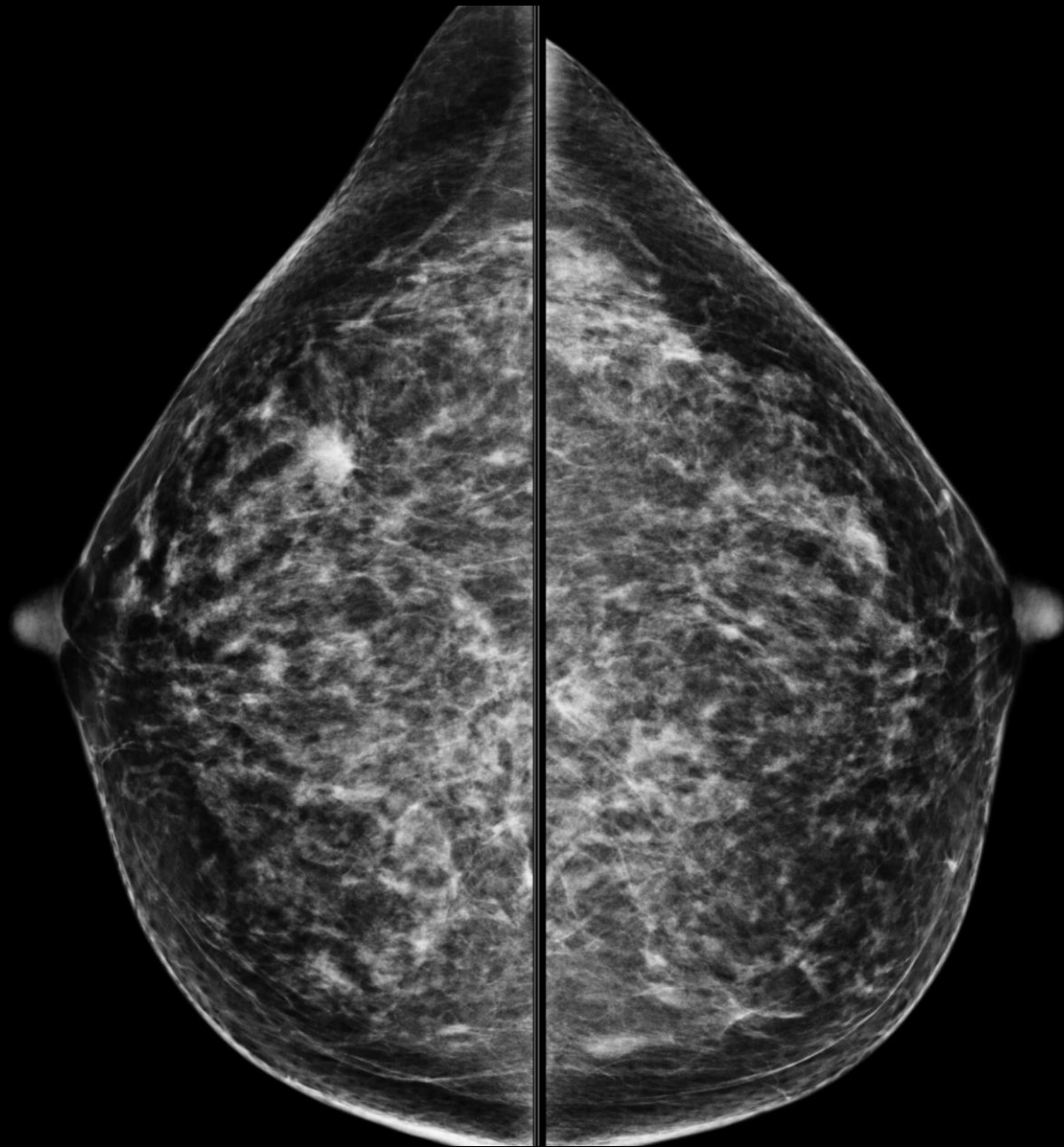


ANS :

- Bilateral benign calcifications
- BIRADS: 2

Q50-1

請指出有問題
的異常處？
BIRADS?



Q50-2

請指出有問題
的異常處？
BIRADS?



ANS :

- Small hyperdense spiculated nodule over upper outer quadrant of right breast
- BIRADS: 4b or 0

Pathology - DCIS