

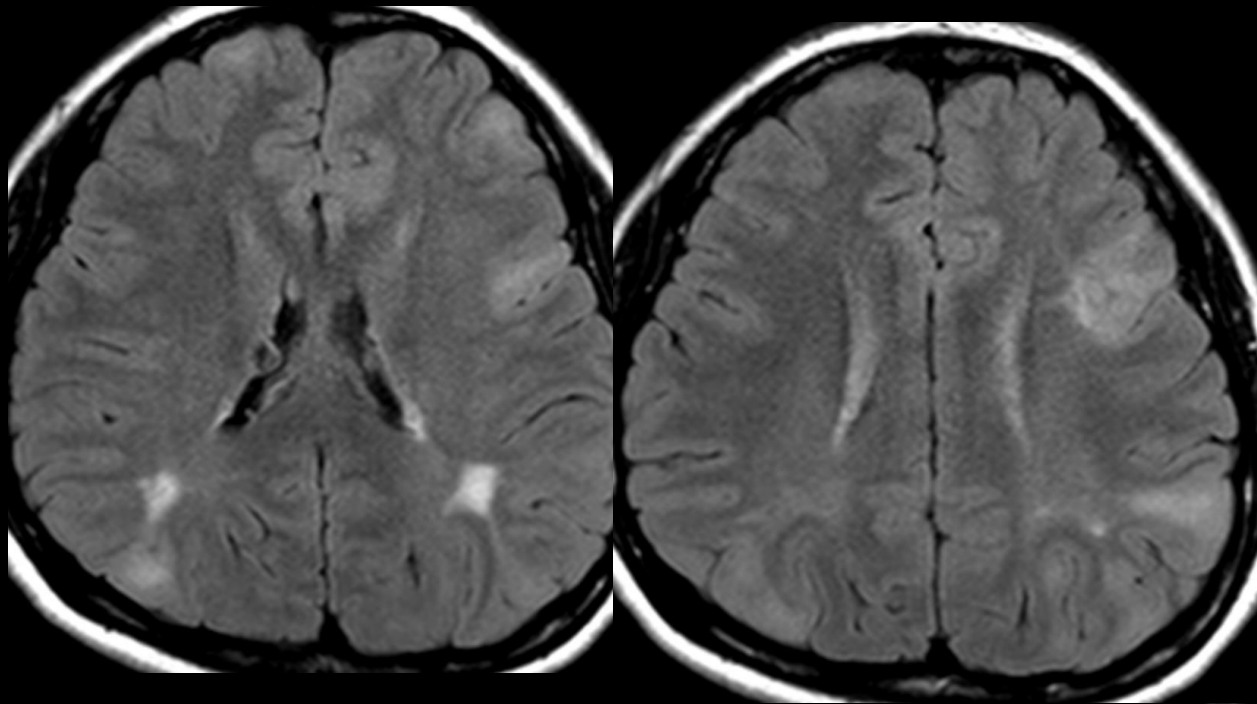
2013年08月23日
中華民國放射線醫學會
住院醫師閱片測驗-答案

出題醫院：成大醫院放射線診斷部

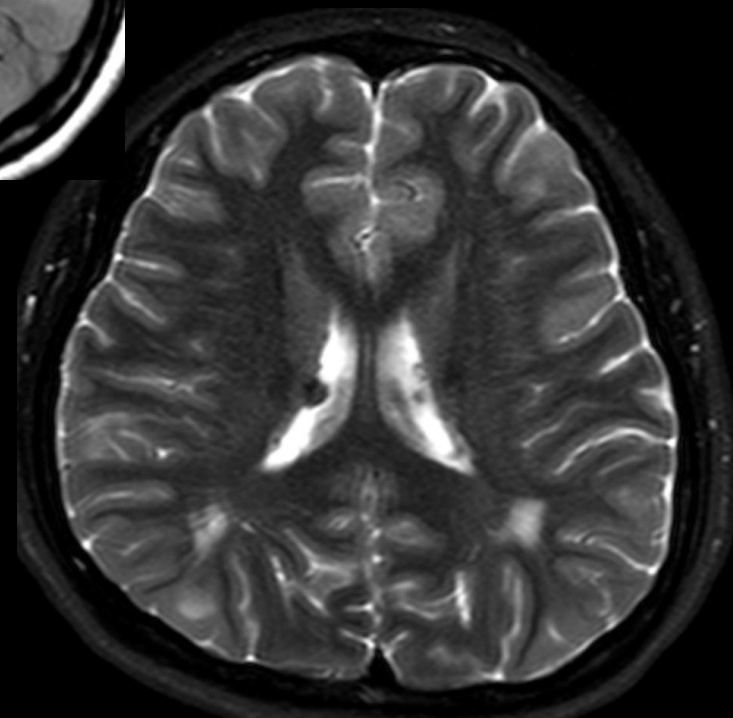
Q01

性別：female 年齡：27

主訴或重要病史或物理檢查：partial epilepsy



FLAIR



T2WI

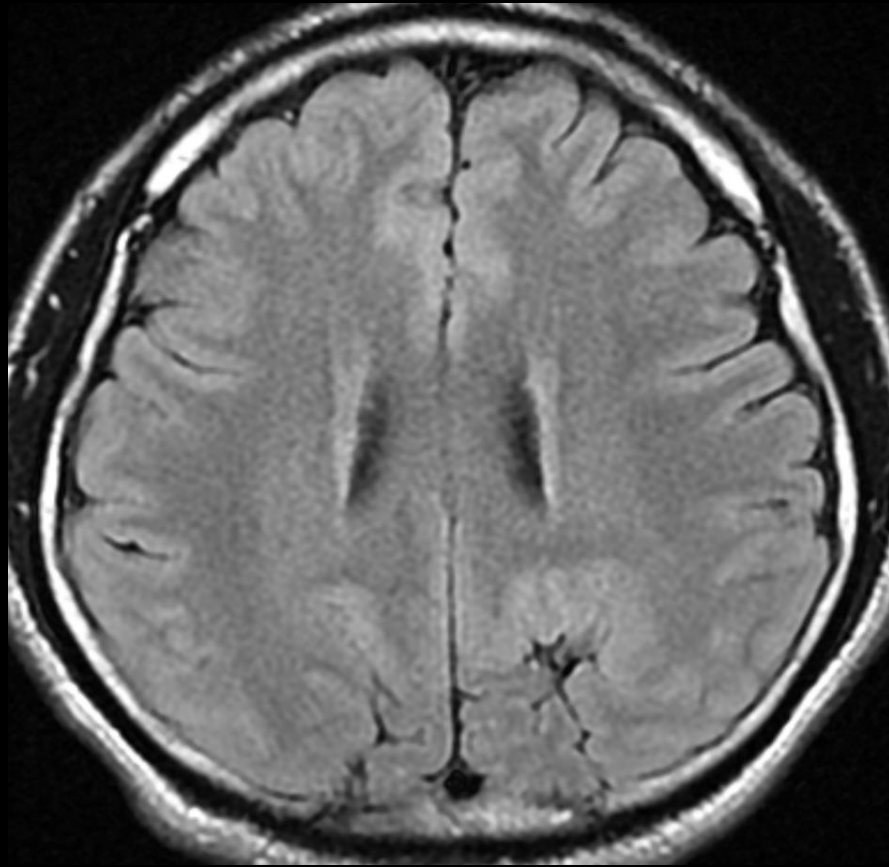
A01

Ans : tuberous sclerosis

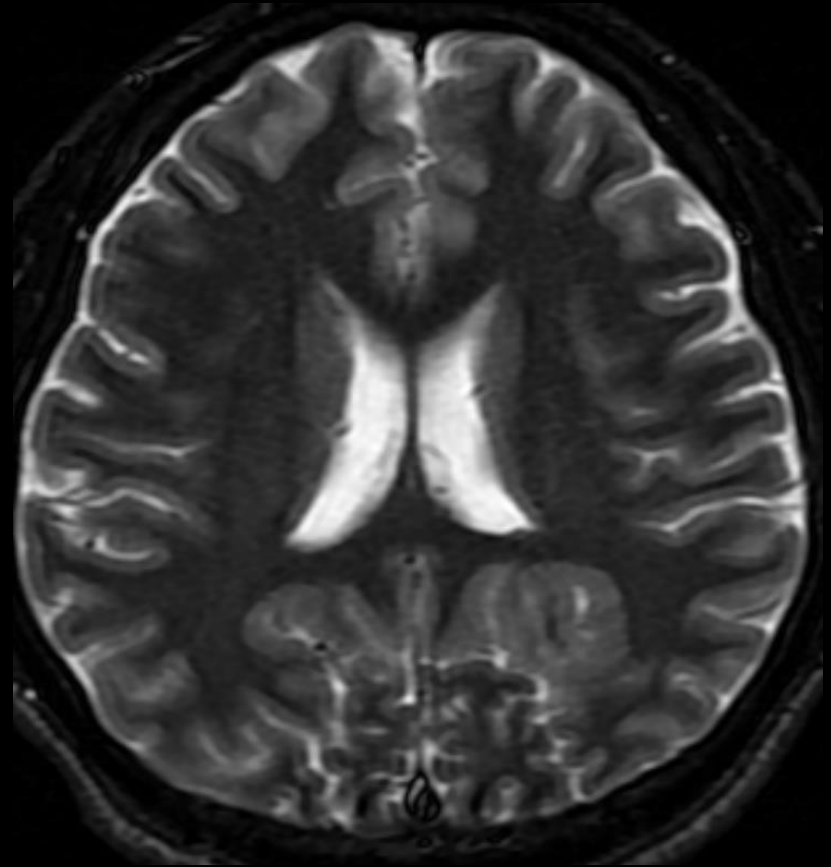
Q02

性別：female 年齡：22

主訴或重要病史或物理檢查：epilepsy for many years



FLAIR



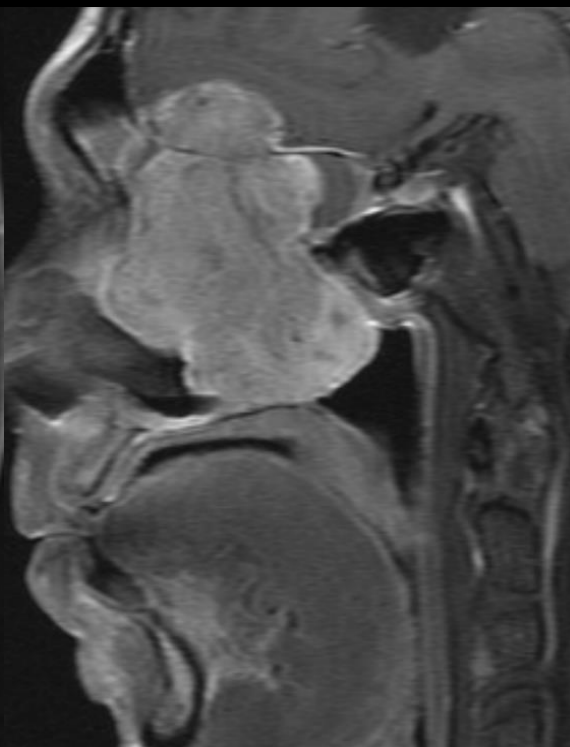
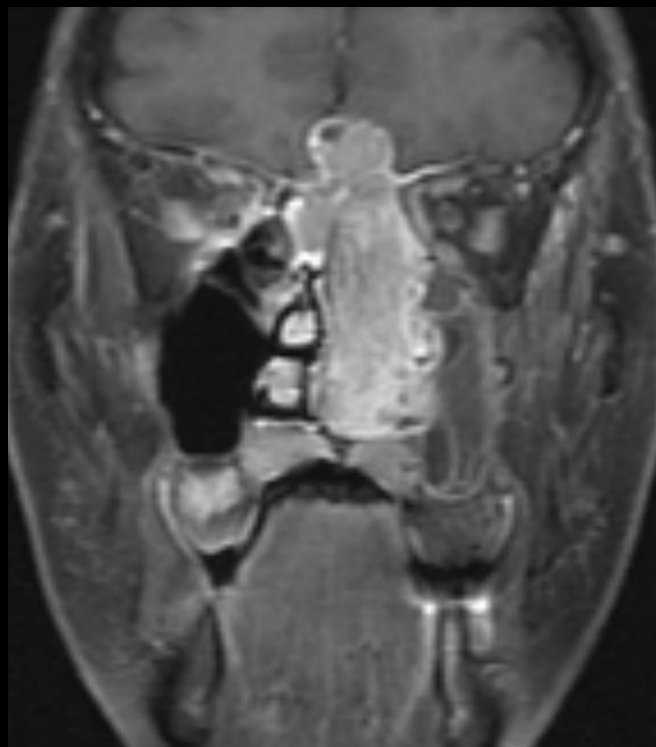
T2WI

Ans : polymicrogyria (cortical dysplasia)

Q03

性別：male 年齡：55

主訴或重要病史或物理檢查：Nasal obstruction

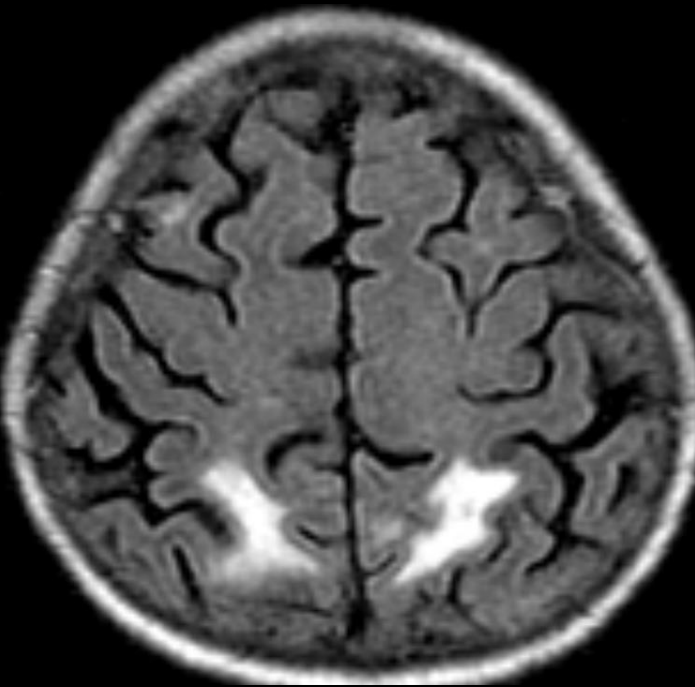


Ans : esthesioneuroblastoma
(olfactory neuroblastoma)

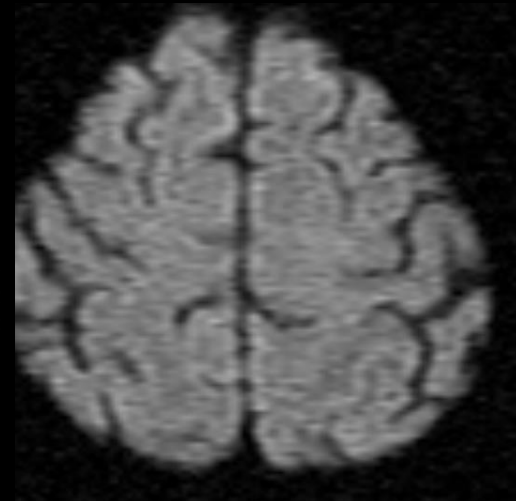
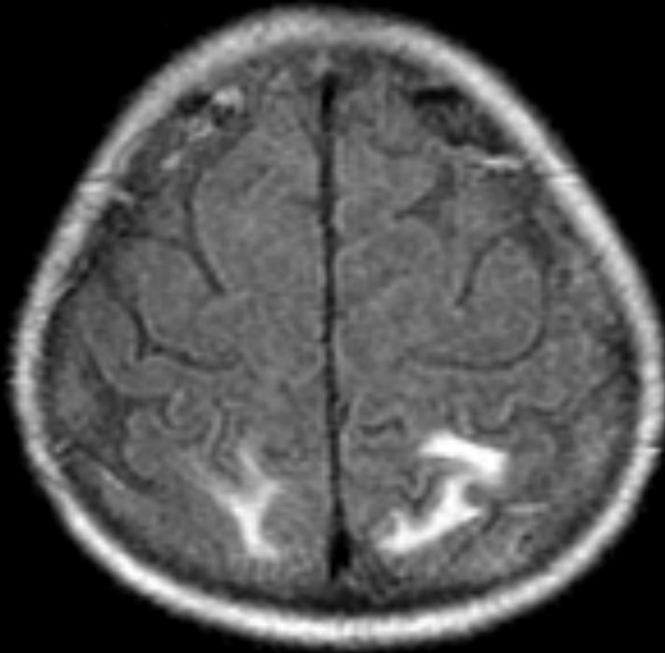
Q04

性別：female 年齡：50

主訴或重要病史或物理檢查：SLE, hypertension, and headache



FLAIR



DWI

Ans : posterior reversible
encephalopathy syndrome

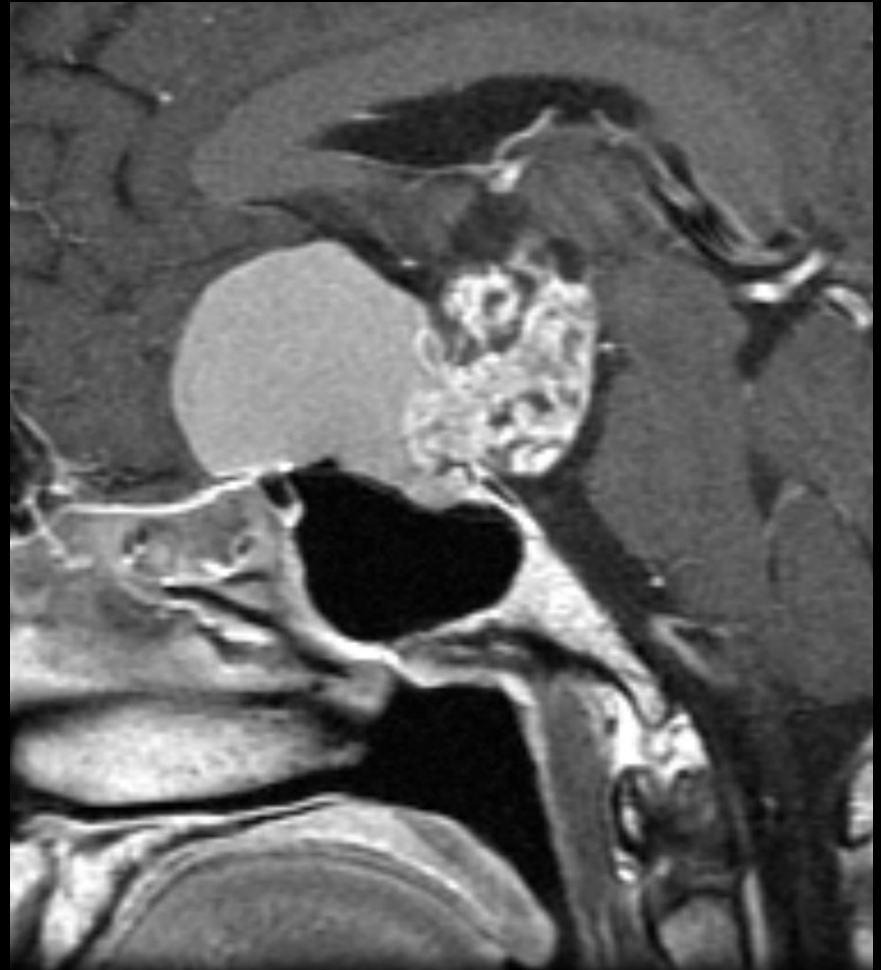
Q05

性別：female 年齡：50

主訴或重要病史或物理檢查：visual field defect



T1WI



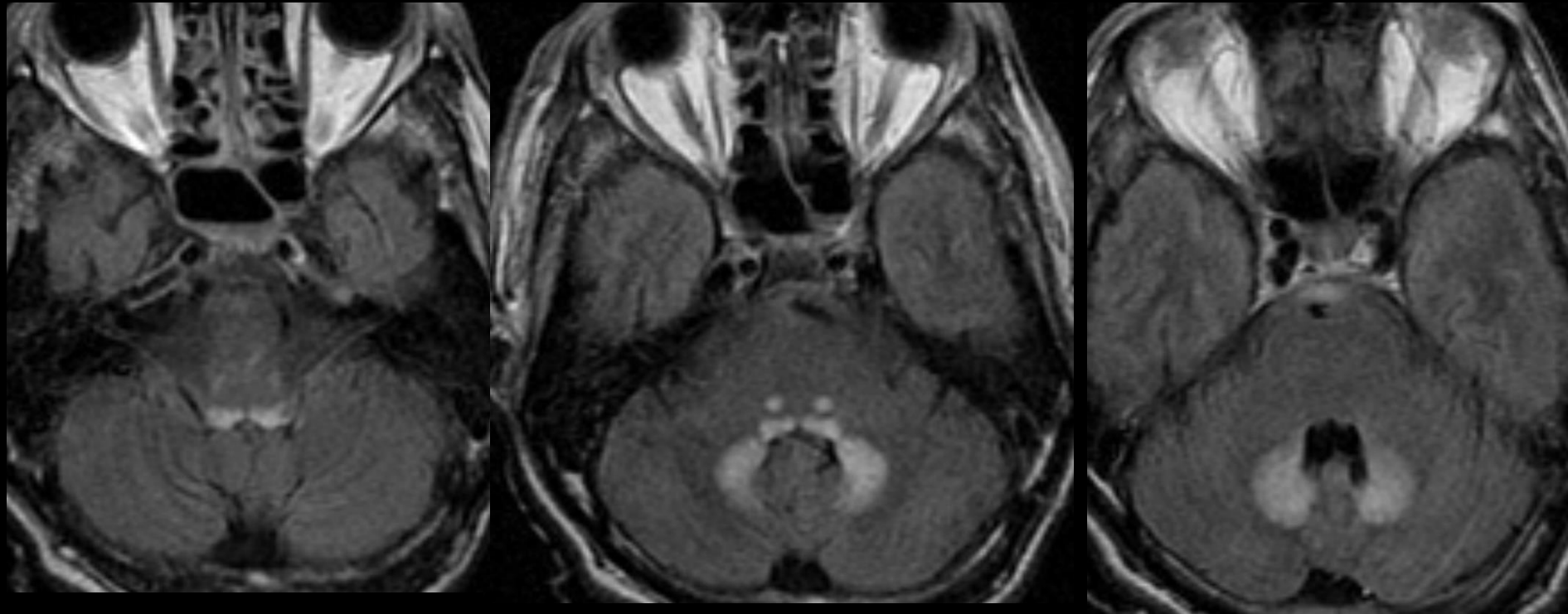
T1WI + contrast

Ans : craniopharyngioma

Q06

性別：male 年齡：57

主訴或重要病史或物理檢查：abdominal abscess with antibiotics treatment

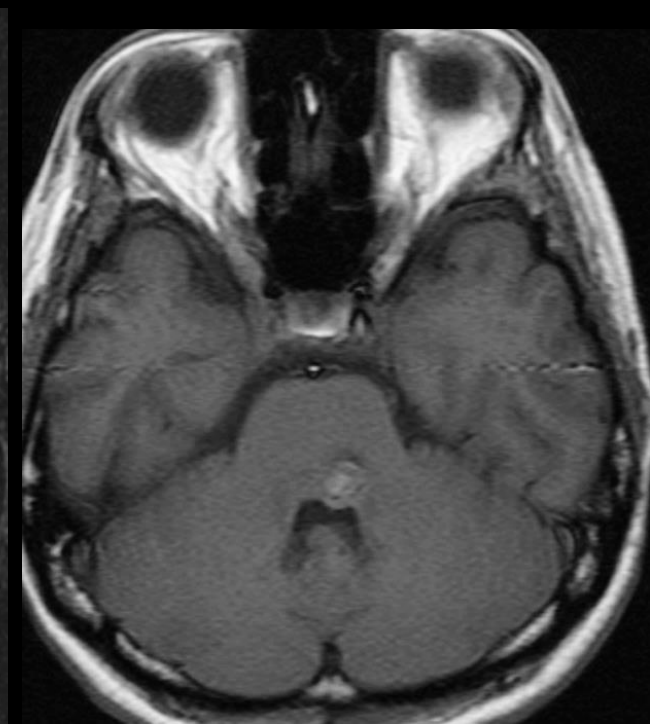
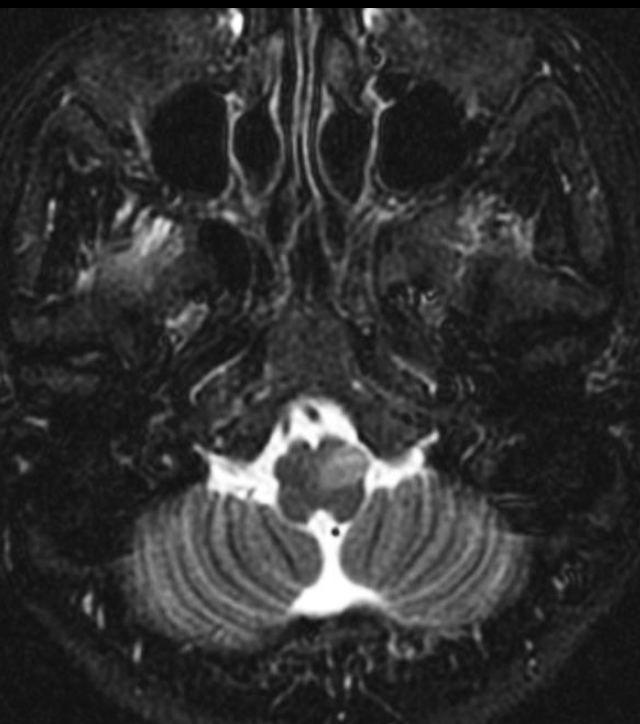


Ans : metronidazole-induced
encephalopathy

Q07

性別：female 年齡：47

主訴或重要病史或物理檢查：upper extremity rhythmic tremor
tremor

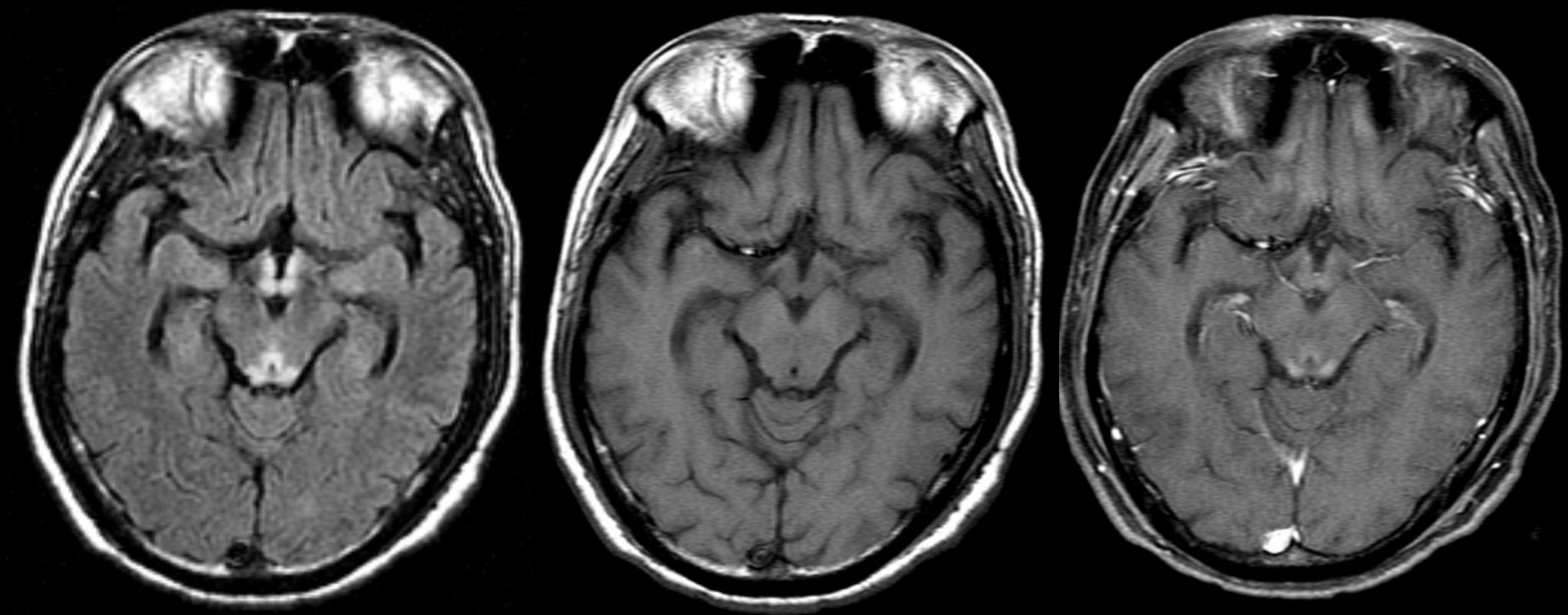


Ans : Hypertrophic Olivary
Degeneration Secondary to Pontine
cavernoma

Q08

性別：female 年齡：51

主訴或重要病史或物理檢查：consciousness disturbance



Ans : Wernicke's encephalopathy

Q09

性別：male 年齡：21

主訴或重要病史或物理檢查：weakness after trauma



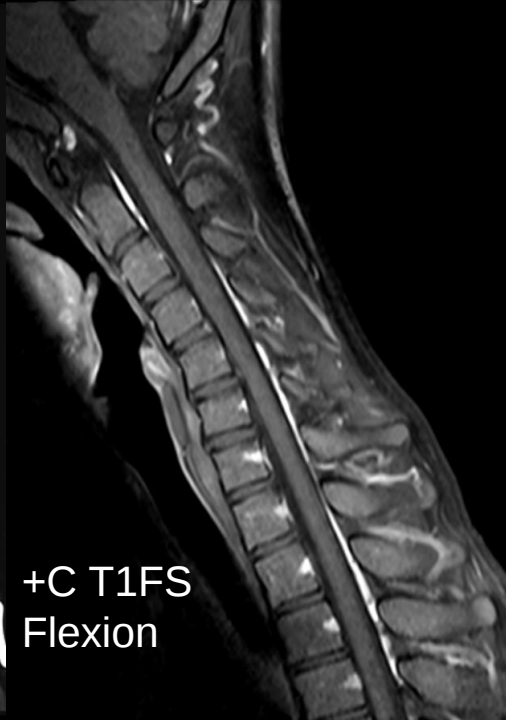
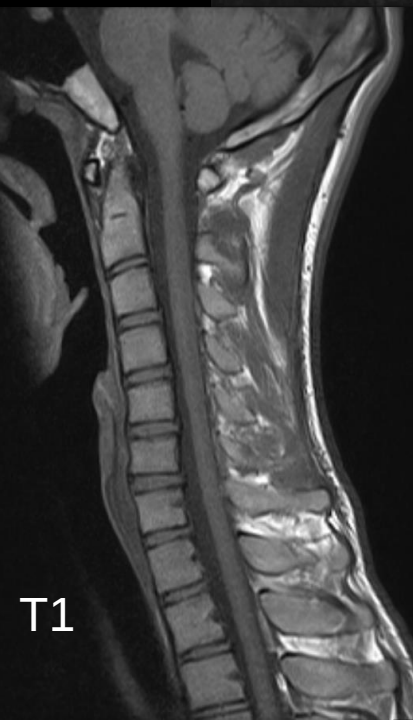
Ans: Nerve Root Avulsion with
Pseudomeningocele

Q10

性別：male 年齡：21
主訴或重要病史或物理檢查：
paresthesia under neck flexion

STIR

STIR
Flexion



T1

+C
T1FS

+C T1FS
Flexion

+C T1FS
Flexion

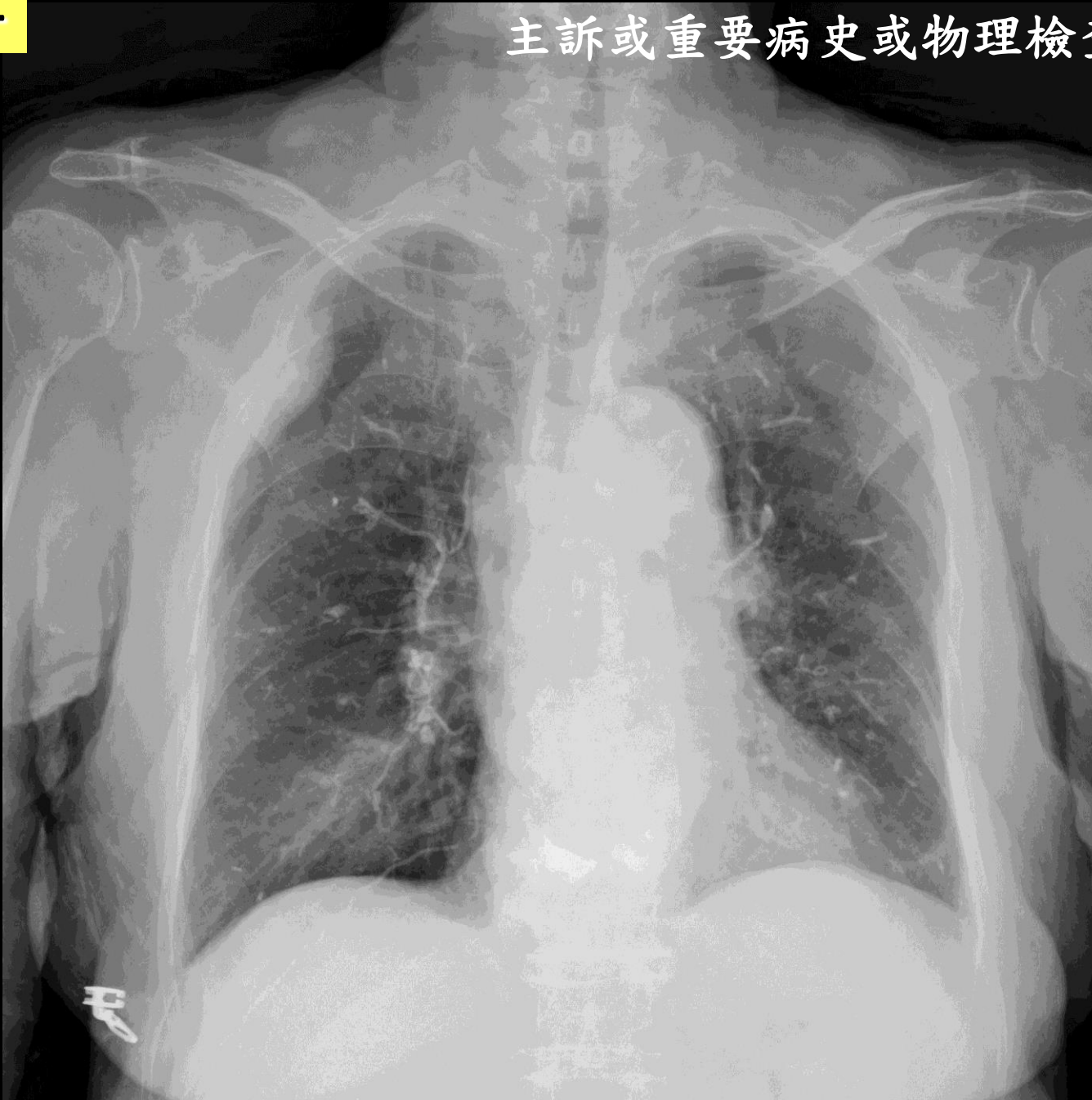
Ans: Hirayama disease

Q11-1

性別：male 年齡：70

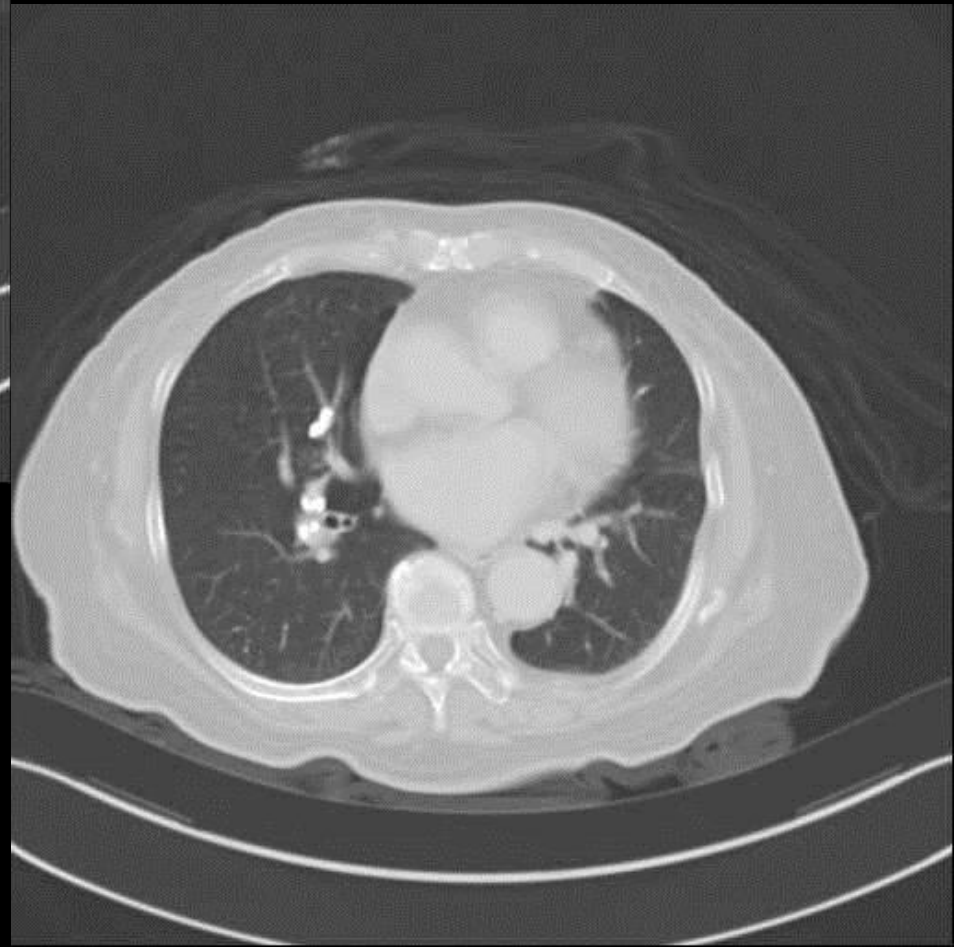
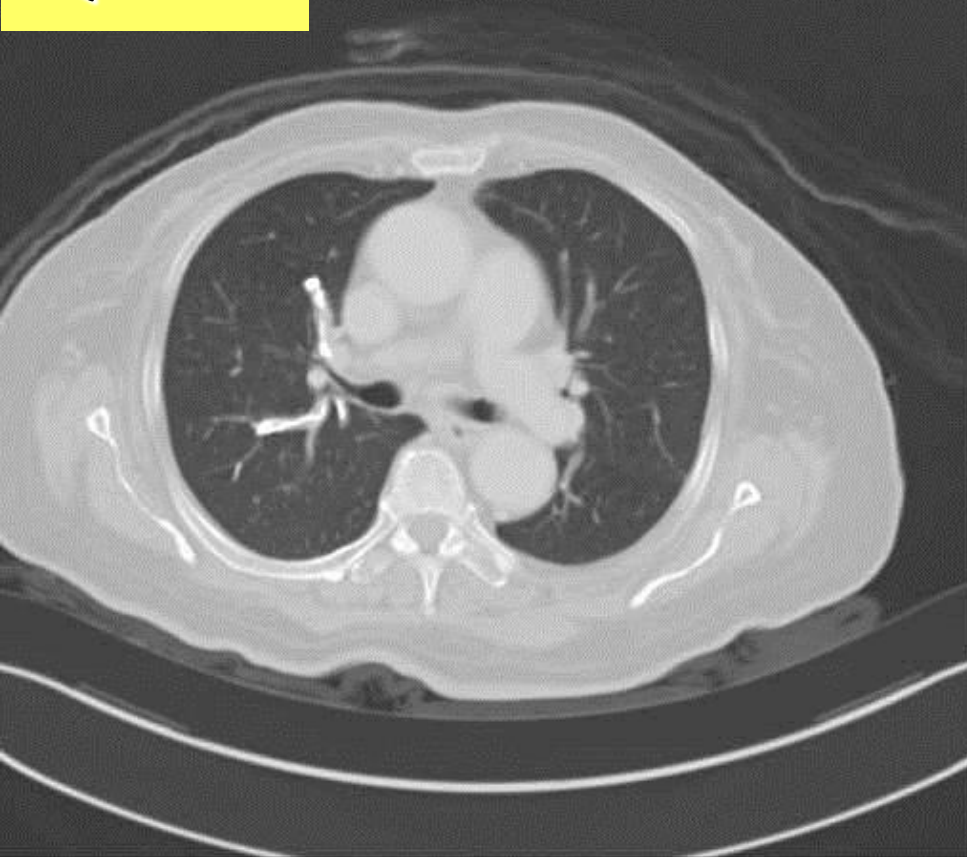
主訴或重要病史或物理檢查：cough

本題有二張投影片，第一張



Q11-2

本題有二張投影片，第二張



Ans: Pulmonary Cement Embolism

Q12

性別：male 年齡：30
主訴或重要病史或物理檢查：cough

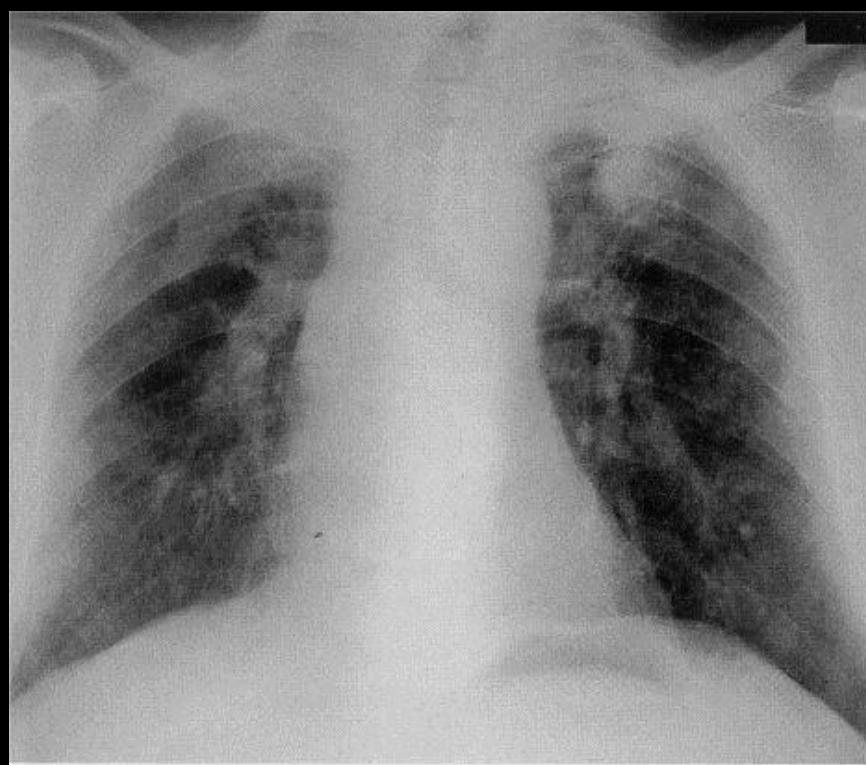


Ans: Pulmonary Alveolar Proteinosis

Q13

性別：male 年齡：56

主訴或重要病史或物理檢查：coal worker with dyspnea



Ans: **Progressive Massive Fibrosis**

Q14

性別：male 年齡：18

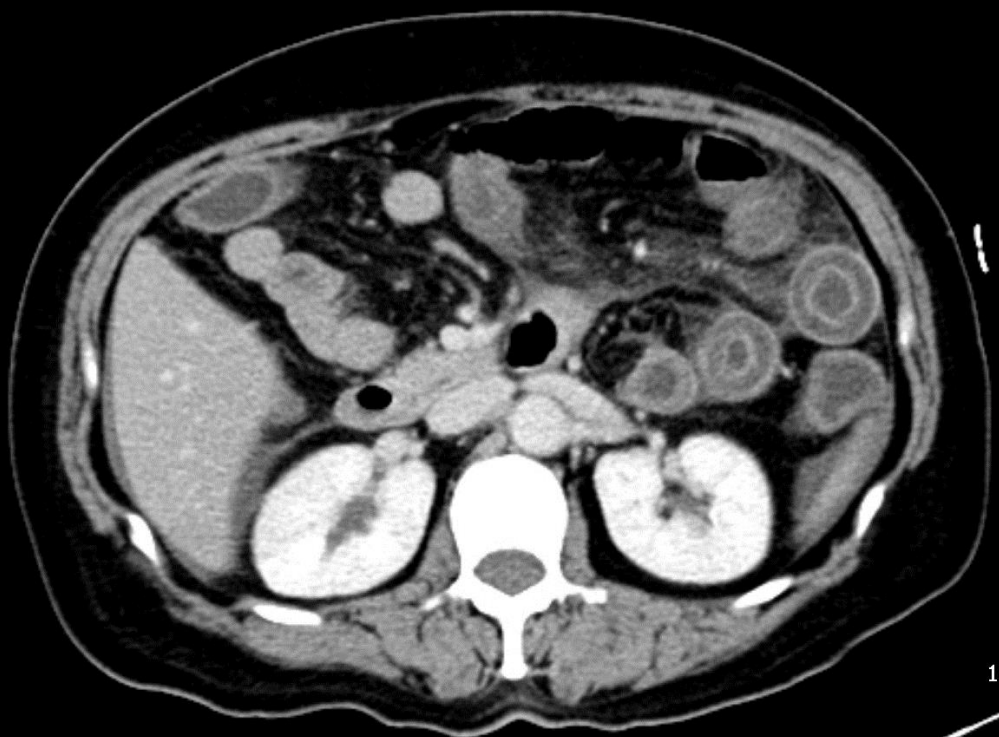
主訴或重要病史或物理檢查：recurrent pneumonia



Ans: Pulmonary Sequestration

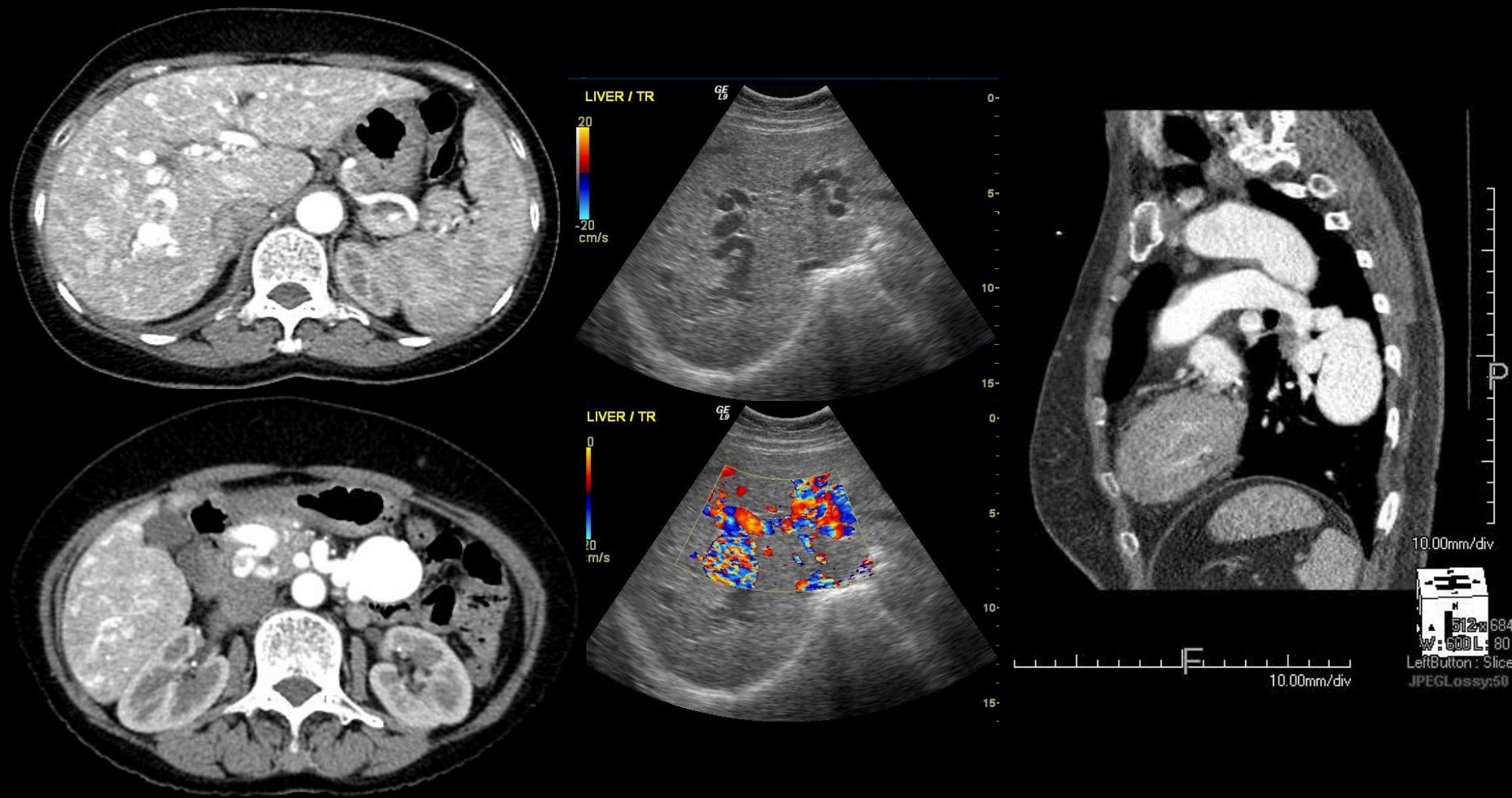
Q15

Diarrhea and abdominal pain for days



Ans: Mesenteric vasculitis

Past Hx: epistaxis 3-5times

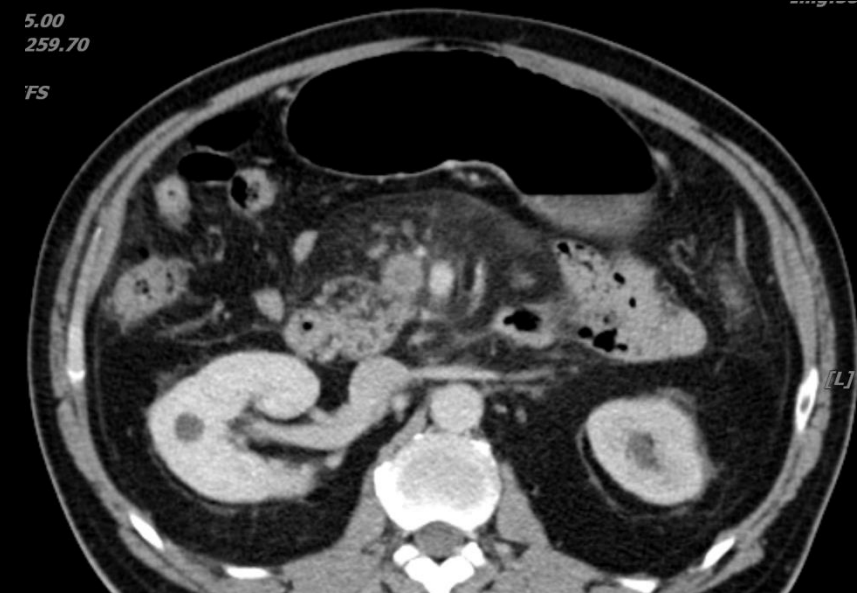


Ans: Hereditary hemorrhagic telangiectasia
(HHT) = Osler-Weber-Rendu syndrome

Q17

64 y/o male

Periumbilical pain persistent for one day



Ans: **bowel ischemia**

Q18

35 y/o female

Palpable mass over LLQ found incidentally

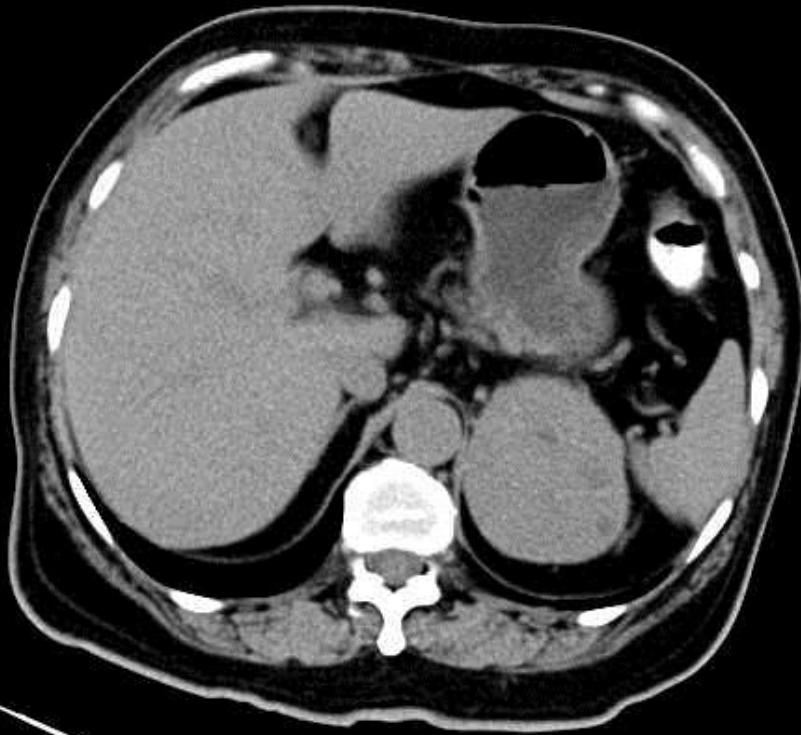


Ans: Abdominal desmoid tumor

Q19-1

本題有二張投影片，第一張

59 y/o F



Q19-2

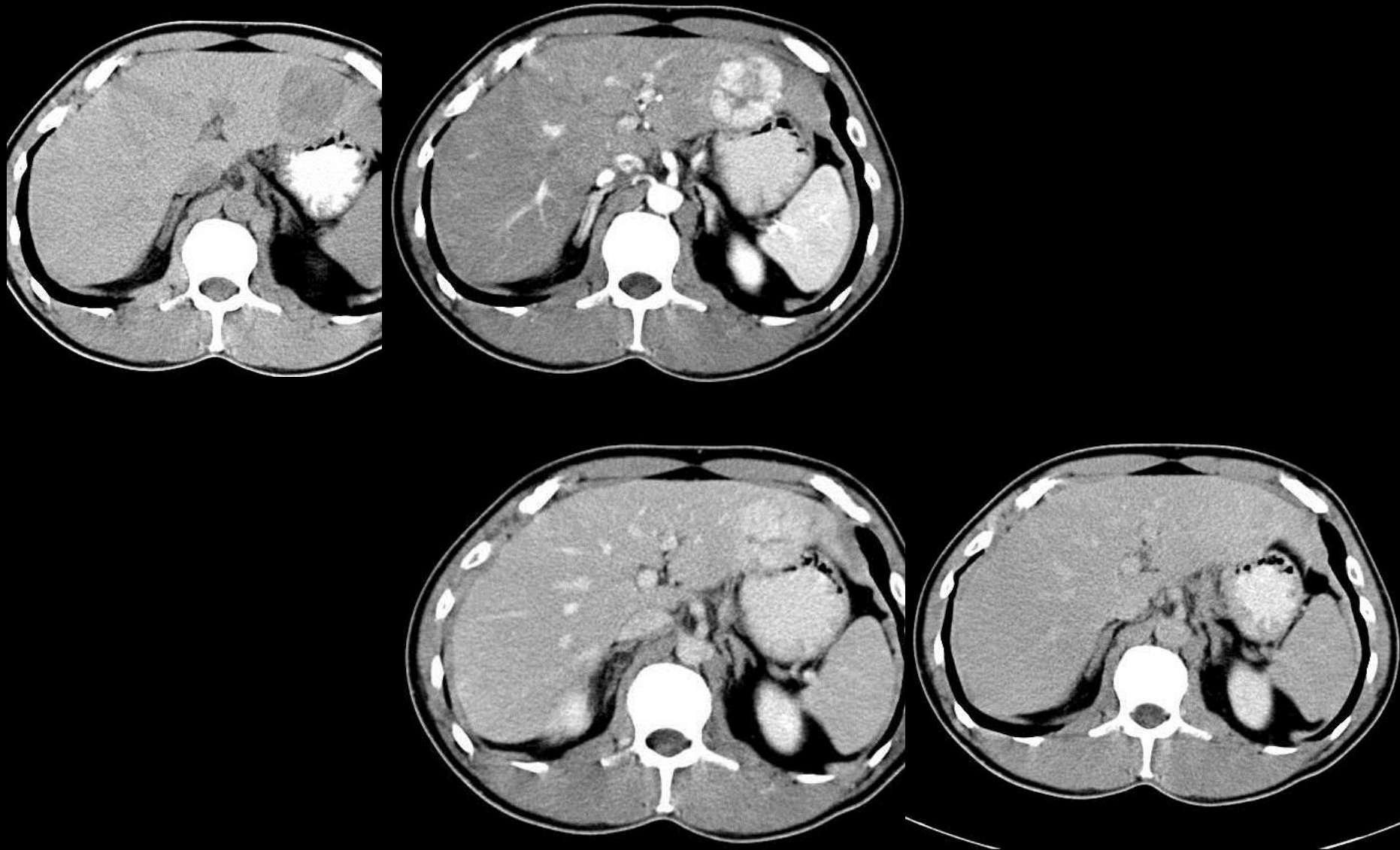
本題有二張投影片，第二張



Ans: Adrenalcortical carcinoma

Q20

33 y/o M



Ans: Focal nodular hyperplasia

Q21

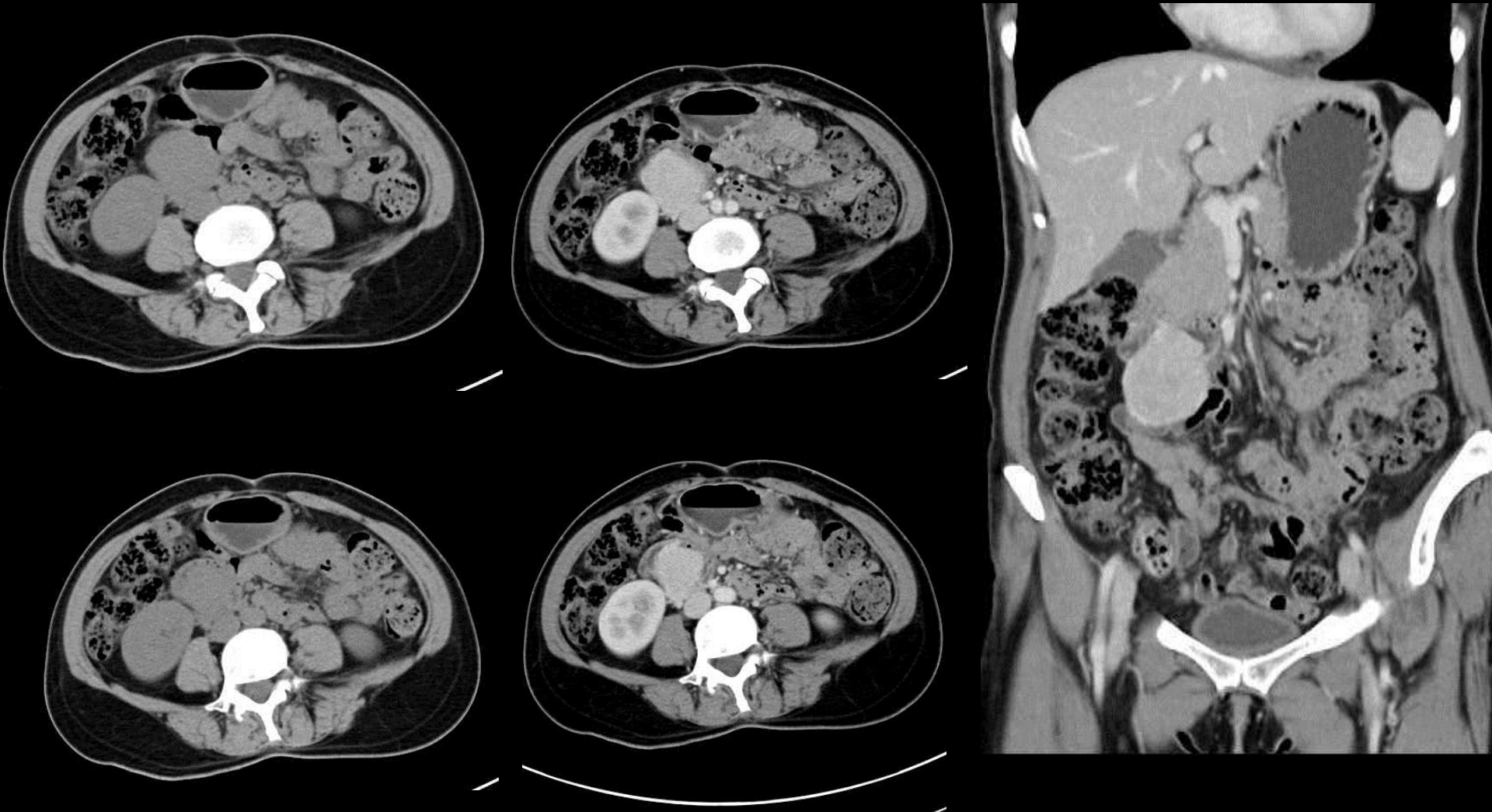
73 y/o M



Ans: terminal ileum: lymphoma

Q22

54y/o F



Ans: Gastrointestinal stromal tumor
(duodenum)

Q23 Incidental finding



Ax T1WI



Cor T2WI



Ans: Cortical Desmoid or Benign Cortical
Defect

Q24

R't shoulder
pain



Ans: Hill-Sachs and Bankart Lesions

Q25

Joint pain

Rt



Lt



Ans: Rheumatoid Arthritis

Q26

Hx of lung Ca



Ans: Hypertrophic Osteoarthropathy

Q27

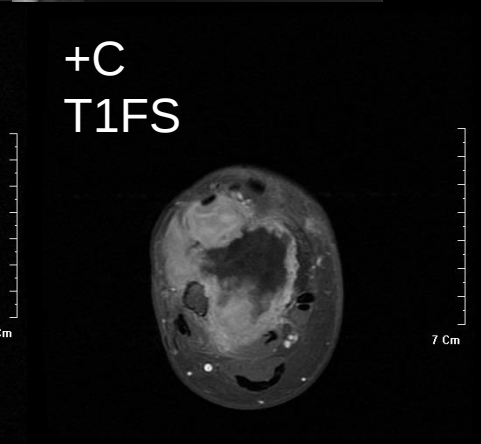
16 y/o boy with left hip pain



Ans: Chondroblastoma

Q28

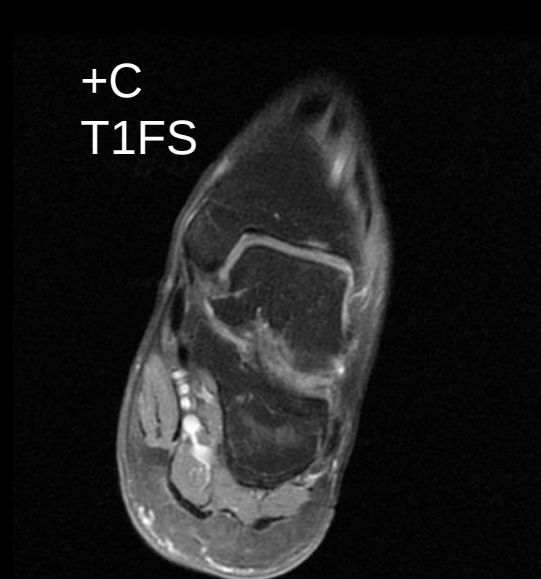
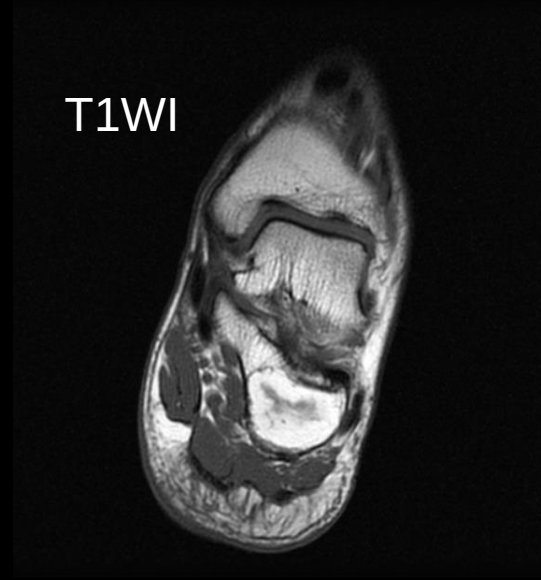
45/F Rt foot painful deformity for 2 years with progressive ankle mass



Ans: giant cell tumor

Q29

56/M asymptomatic , incidental finding of calcaneus lesion on radiography

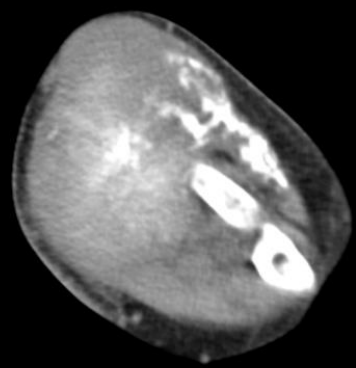


Ans: calcaneus intra-osseous lipoma

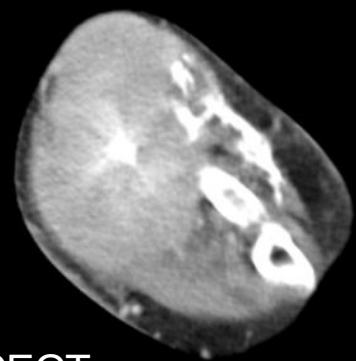
66/F Lt elbow tumor



Ⓒ



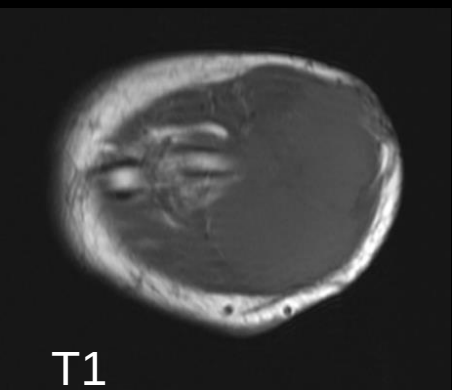
NECT



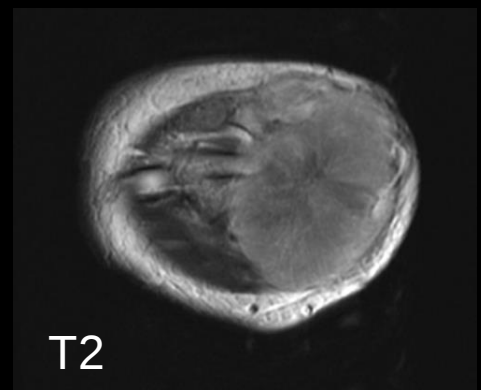
CECT



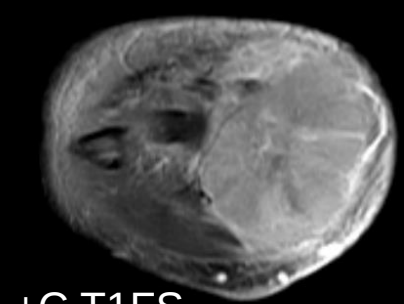
CECT



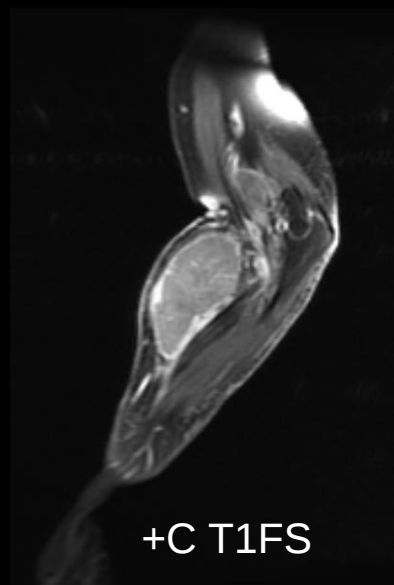
T1



T2



+C T1FS



+C T1FS

Ans: parosteal osteosarcoma

Q31

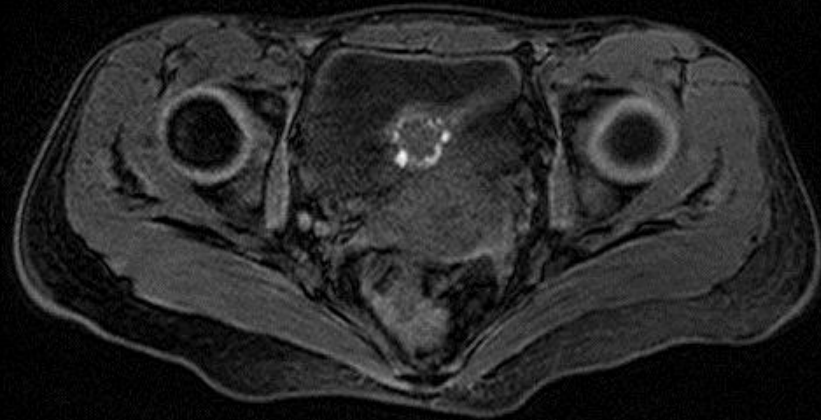
A 23-year-old female, lower abdominal pain with amenorrhea in recent 3 months. Pregnancy test (+)



Ans: Invasive mole

Q32

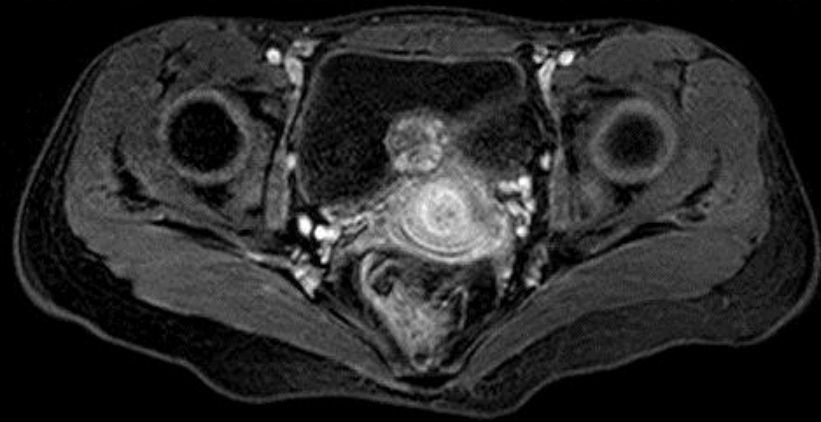
31 Y/O female, urinary urgency, frequency and dysmenorrhea, pelvic pain noted for 2 years



Pre-contrast T1W FS



Dynamic GD+ (A1)



Dynamic GD+ (A2)



T2W GPE

Ans: Endometriosis

Q33

A 30-year-old male, Progress decreased ejaculate.
Post-ejaculate urine for semen analysis: no sperm

T1WI



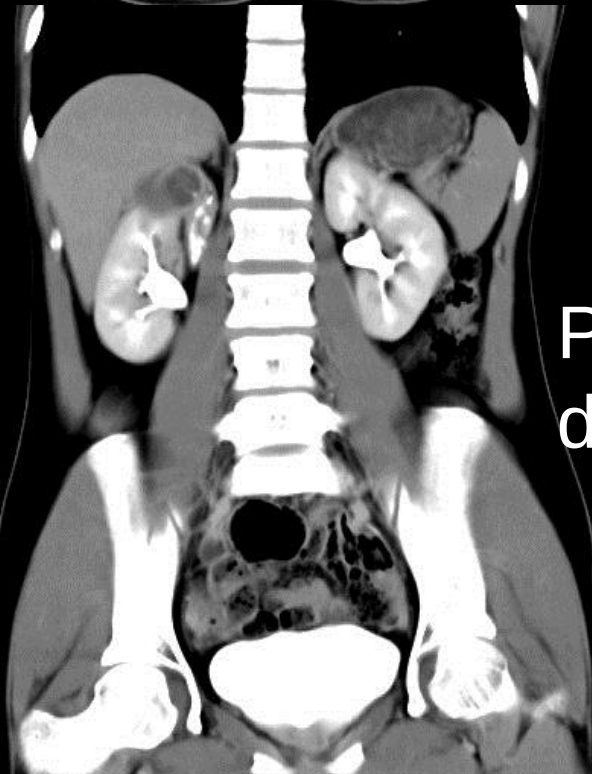
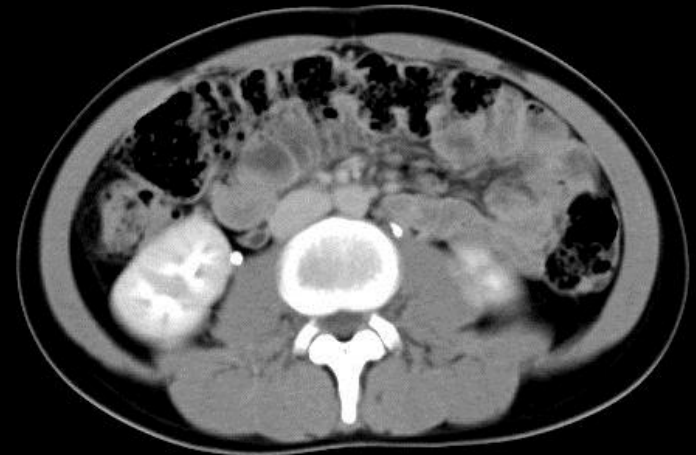
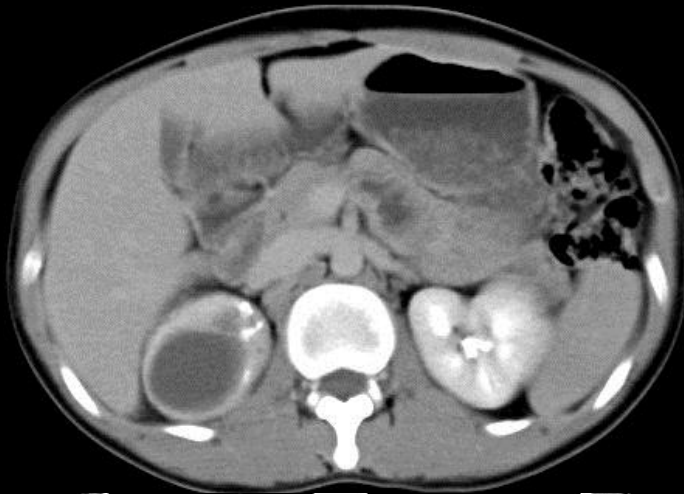
T2WI



Ans: Mullerian duct cyst of
prostate

Q34

27 Y/O female, repeated UTI



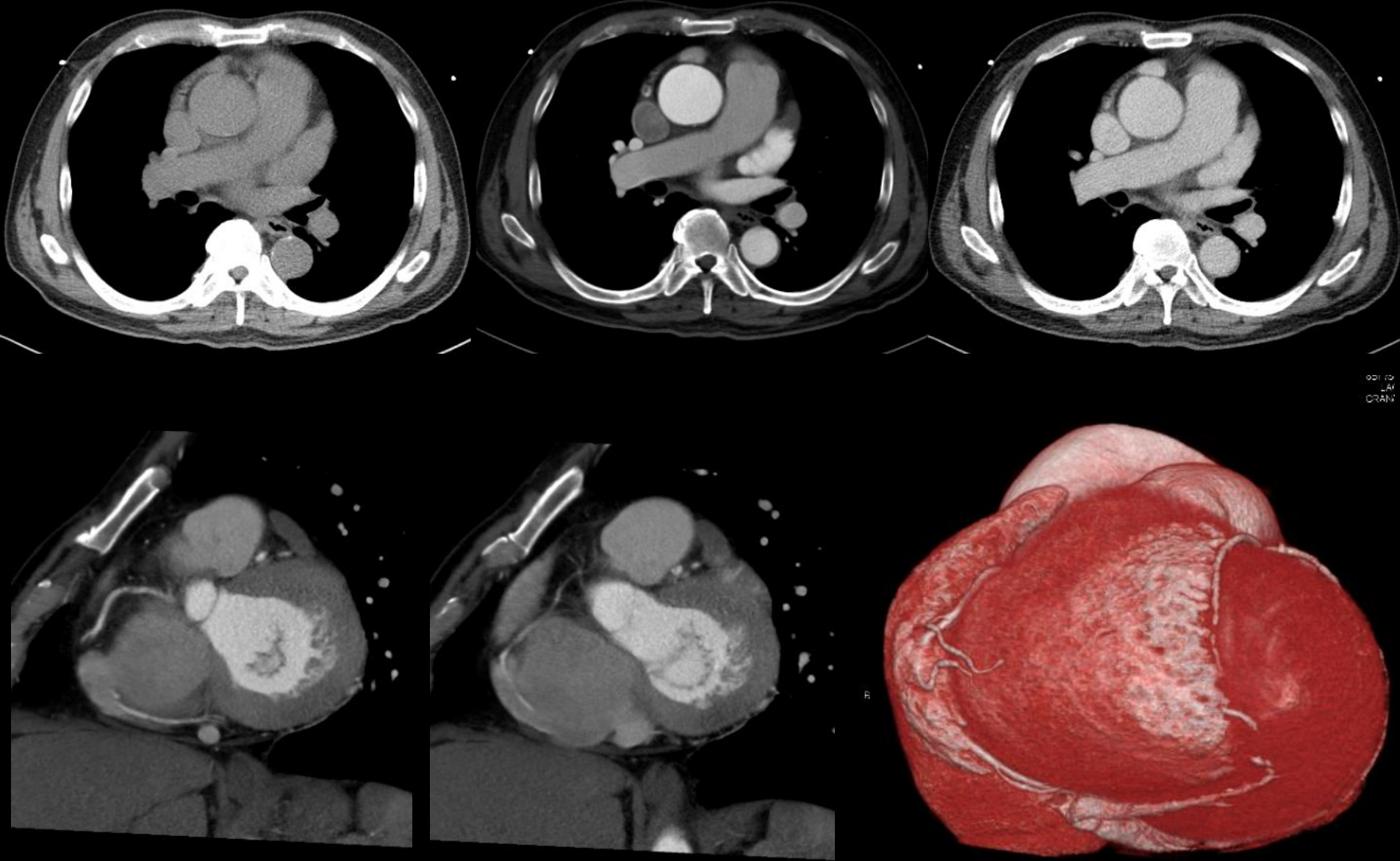
Post-contrast CT in
delayed phase



Ans: Complete duplication of right collecting system with upper moiety atrophy

Q35

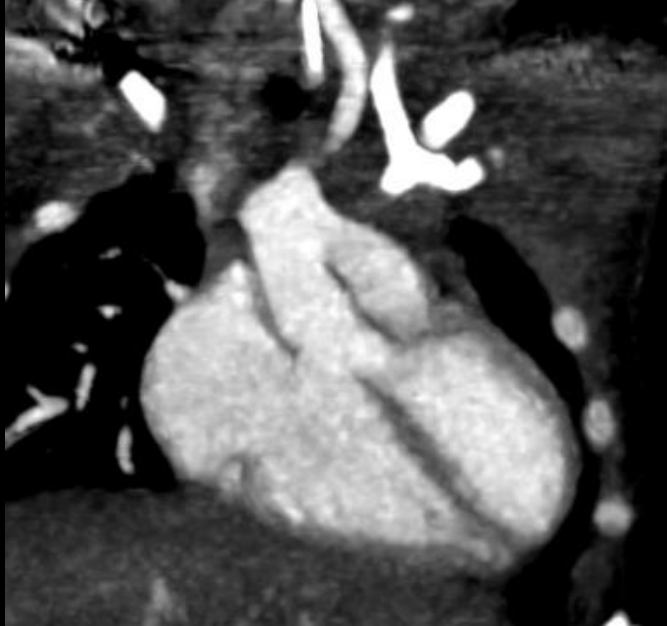
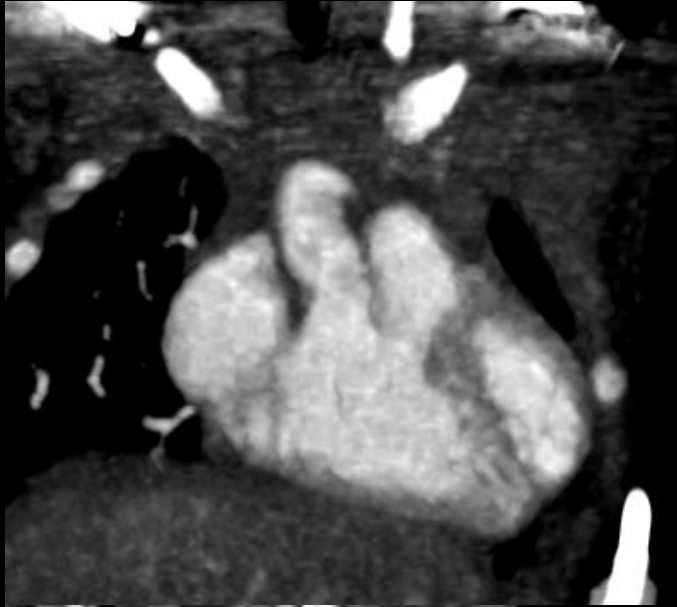
61y/o male , heart CTA for intra-cardiac survey



Ans: Pseudofilling defect in LAA
Intra-atrial course of RCA

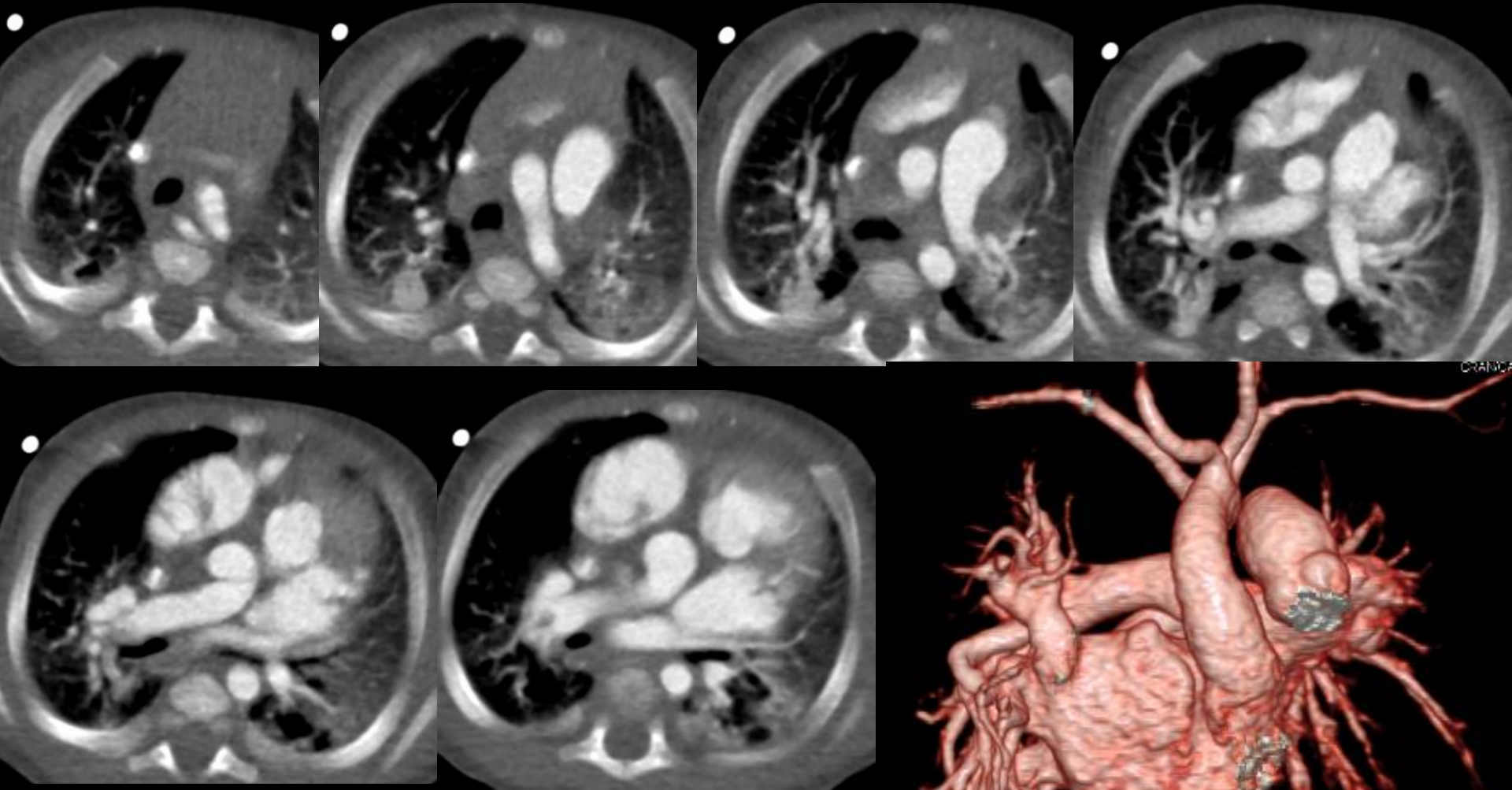
Q36

7 d/o female baby, congenital heart anomaly
detected from cardiac US



Ans: Aorto-pulmonary window

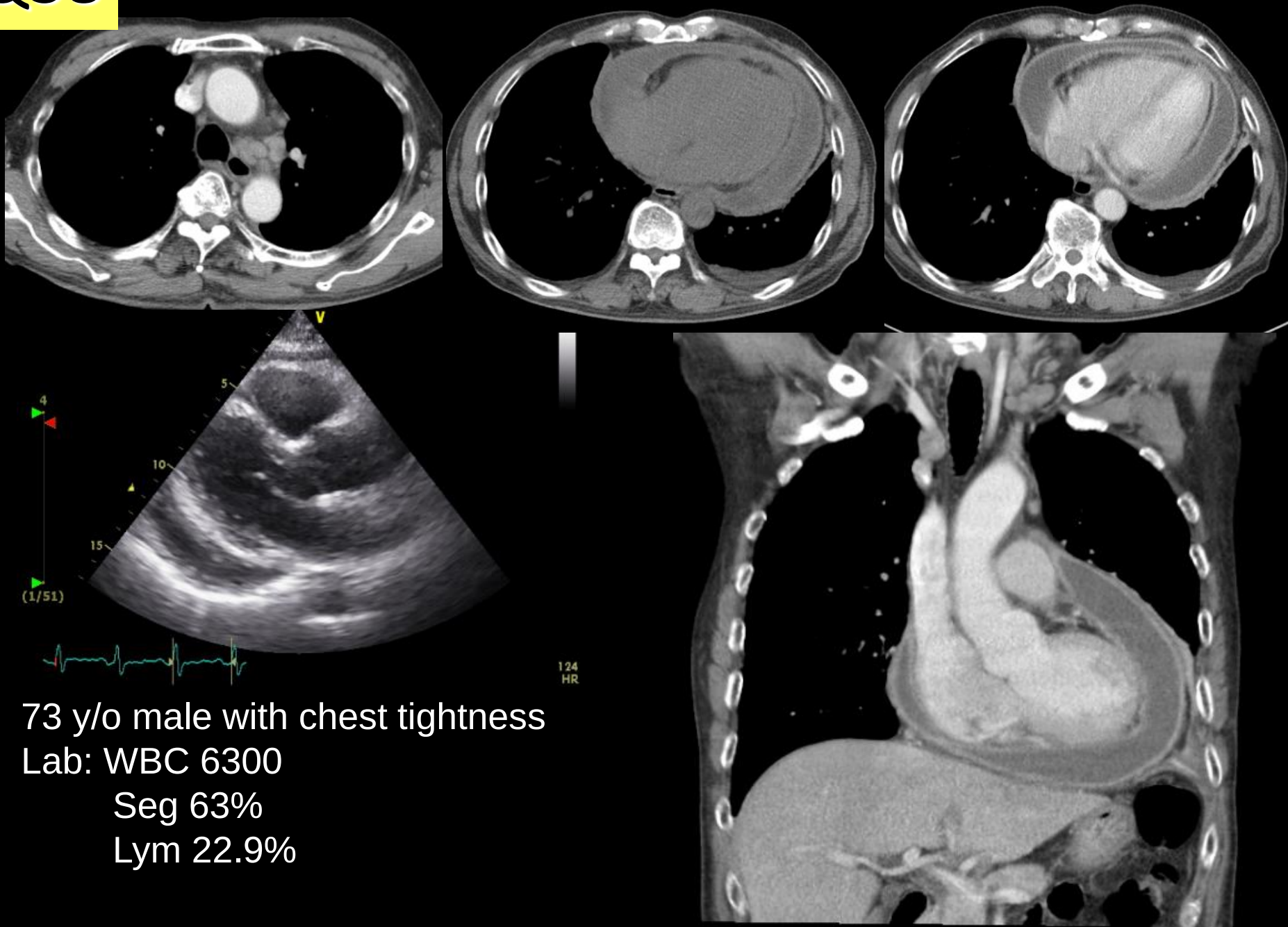
Q37



3 m/o male
Poor weight gain
Crying with cyanotic lips

Ans: Anomalous right pulmonary artery from the ascending aorta

Q38



73 y/o male with chest tightness

Lab: WBC 6300

Seg 63%

Lym 22.9%

Ans: TB pericarditis

Q39

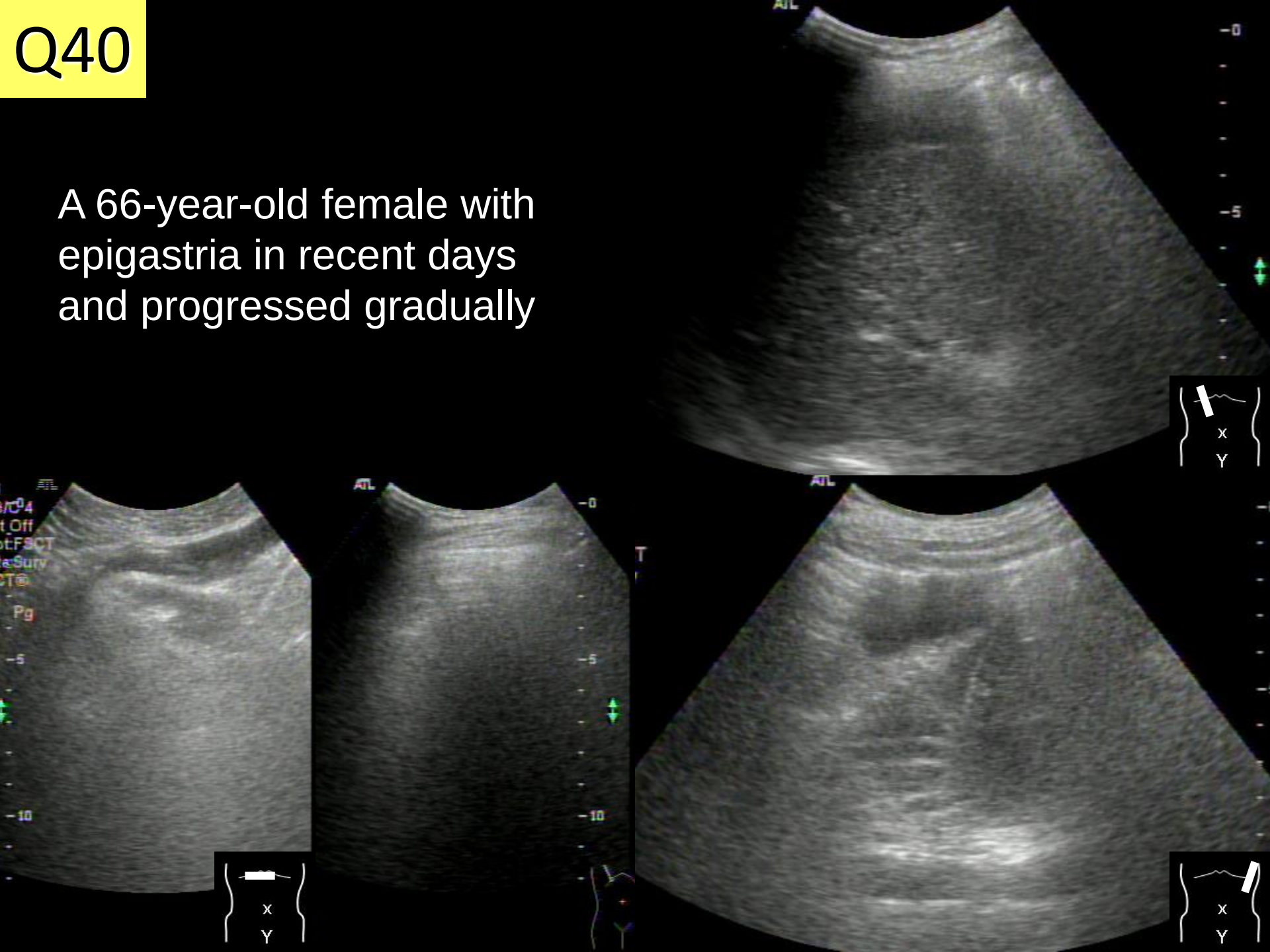
A 46-year-old man with Abdominal
dull pain for 2 weeks



Ans: Chronic pancreatitis

Q40

A 66-year-old female with epigastria in recent days and progressed gradually



Ans: Pneumoperitoneum
(path: stomach, perforation)

Q41

A 58-year-old man with Klatskins' tumor s/p left lobectomy 1 year ago.

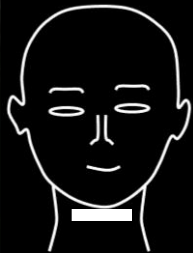
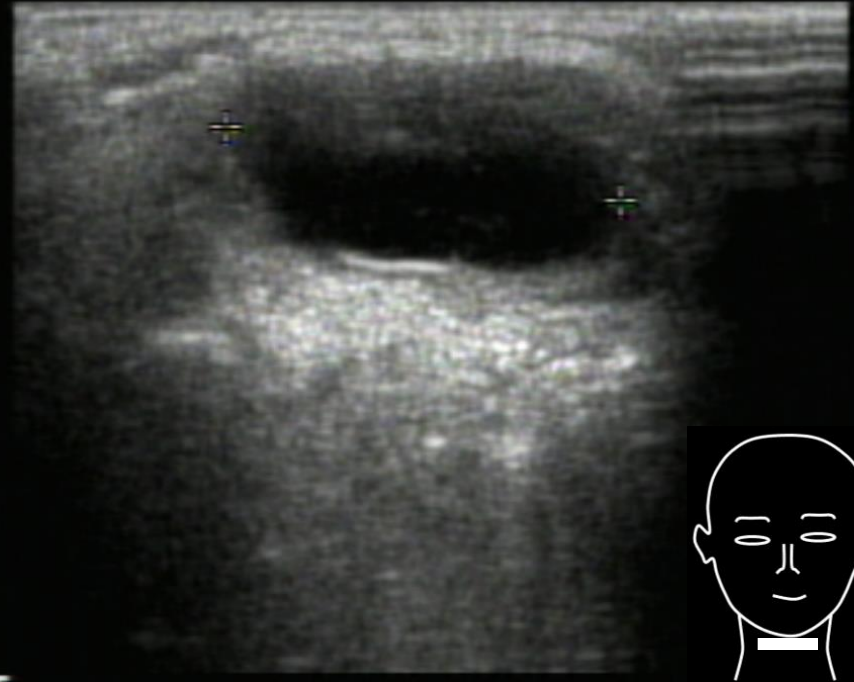
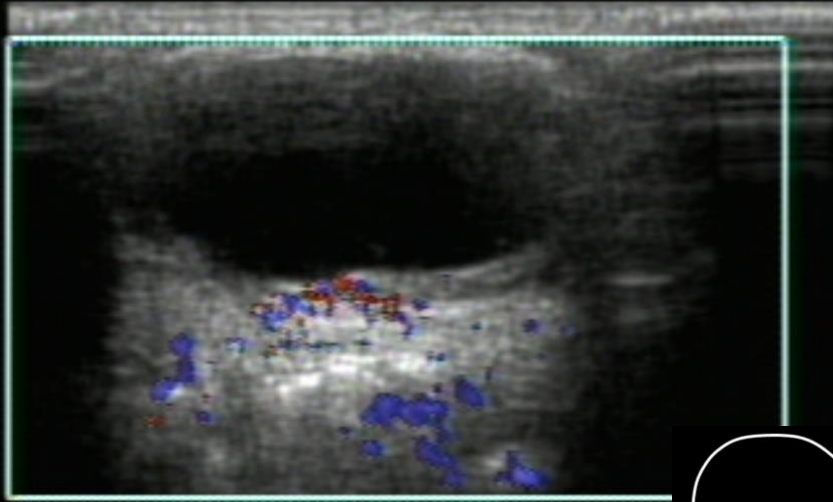
General weakness and abdominal pain for days



Ans: Liver abscess with portal vein air

Q42

A 7-year-old girl with palpable (able to be felt) midline neck mass



Ans: Thyroglossal duct cyst

Q43

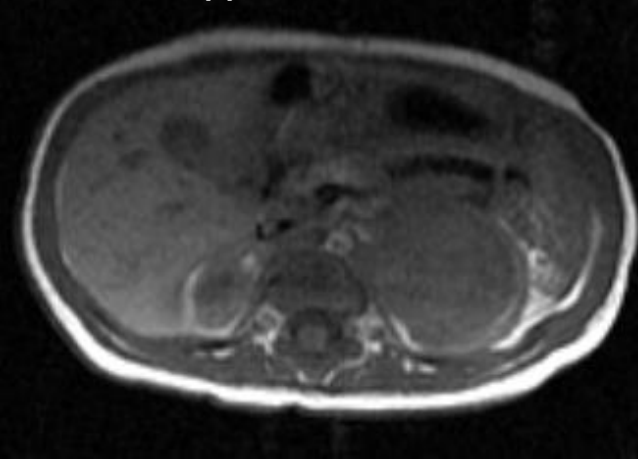
A case of 5 d/o newborn, referred to OPD for left suprarenal mass
Prenatal ultrasonography: normal



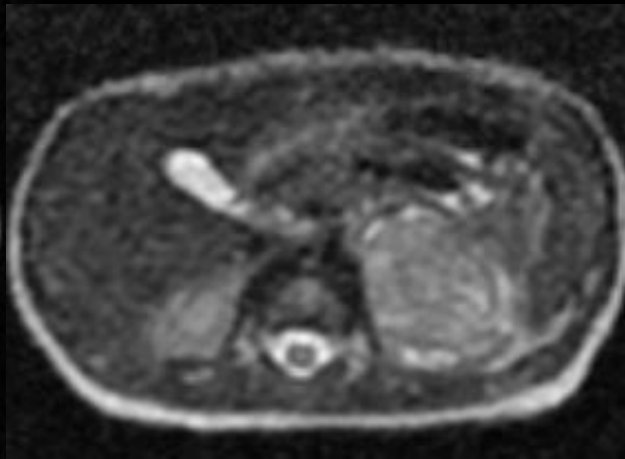
T1WI C (+)



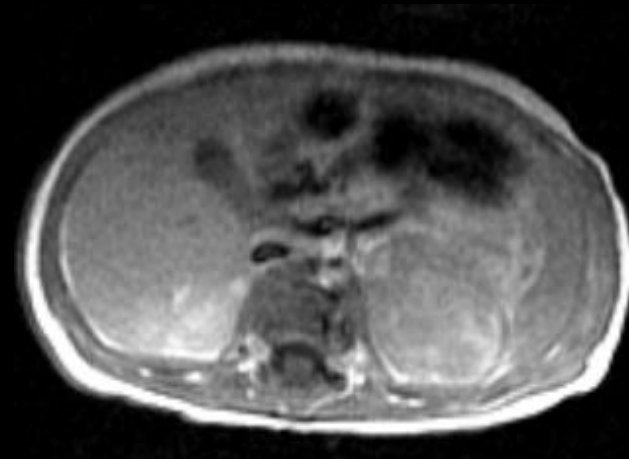
T1WI C (-)



T2WI

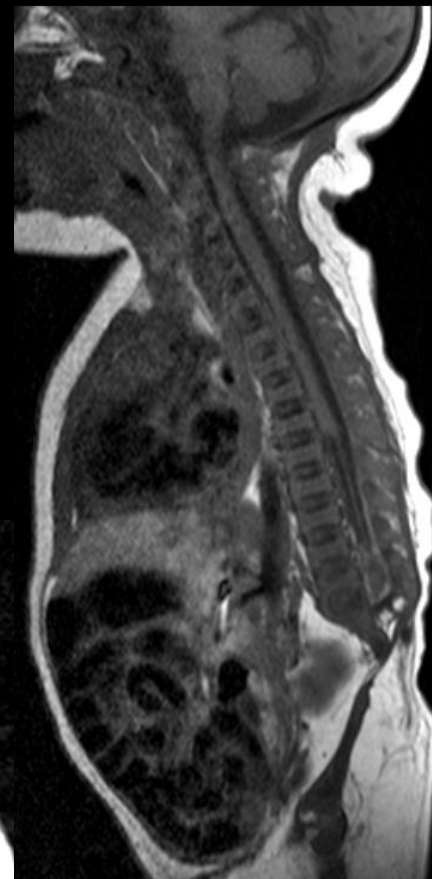


T1WI C



Ans: Neuroblastoma

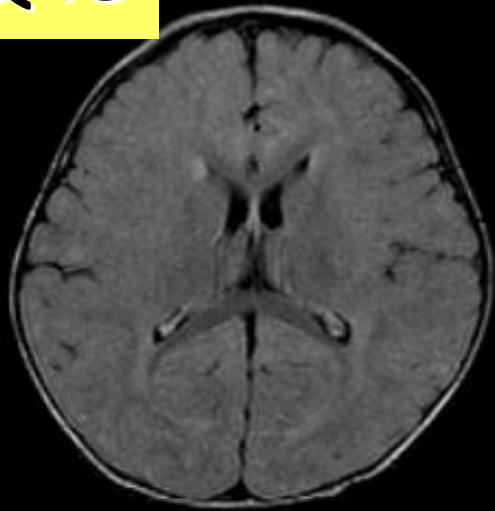
Q44



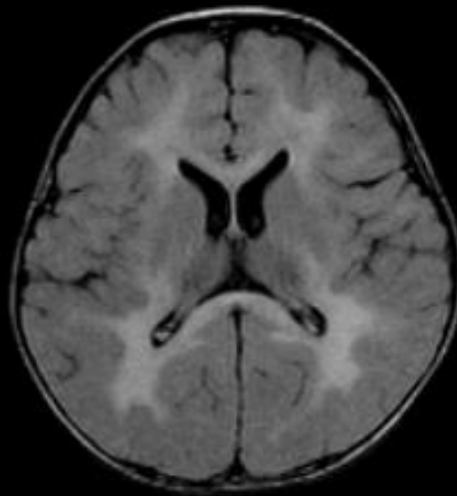
Male baby was born
with flexion contracture

Ans: Caudal regression syndrome

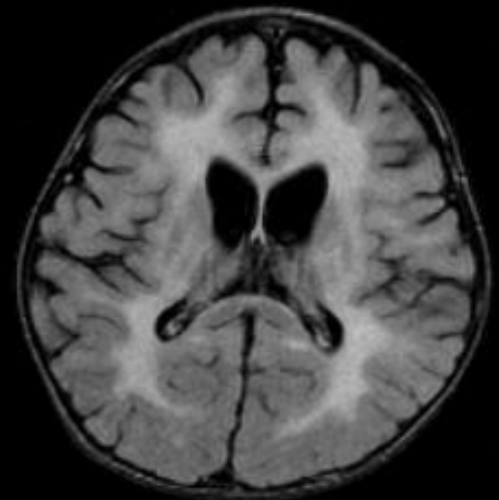
Q45



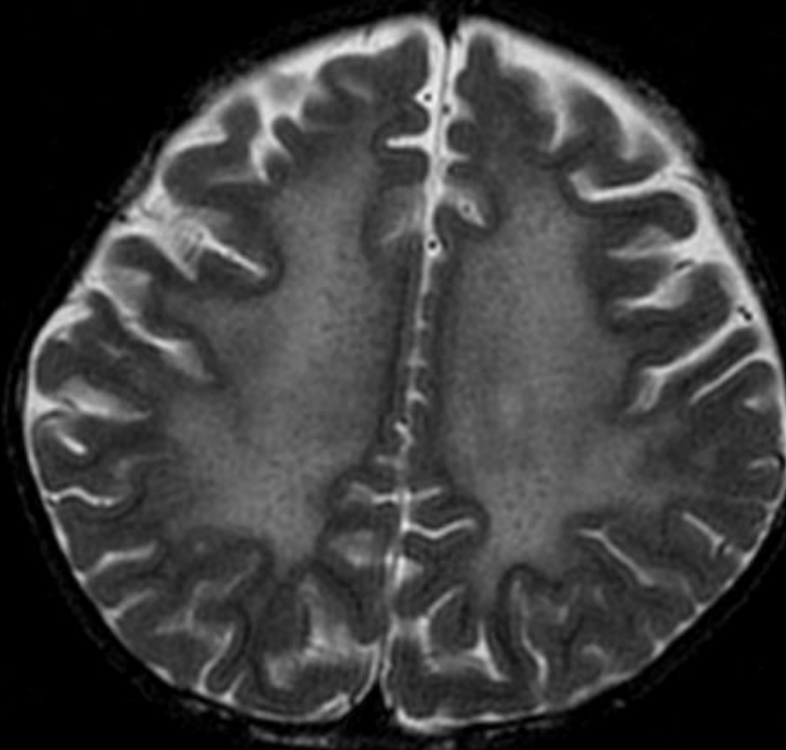
14 m/o



24m/o



29m/o



Ans: Metachromatic leukodystrophy

Q46

14 y/o male with abdominal mass

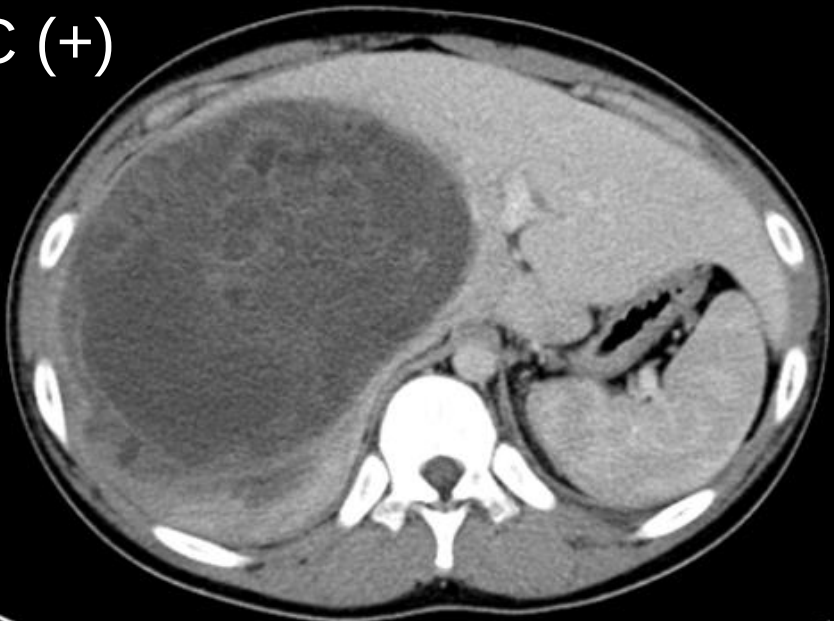
C (-)



C (+)



C (+)



C (+)



Ans: Undifferentiated embryonal
sarcoma

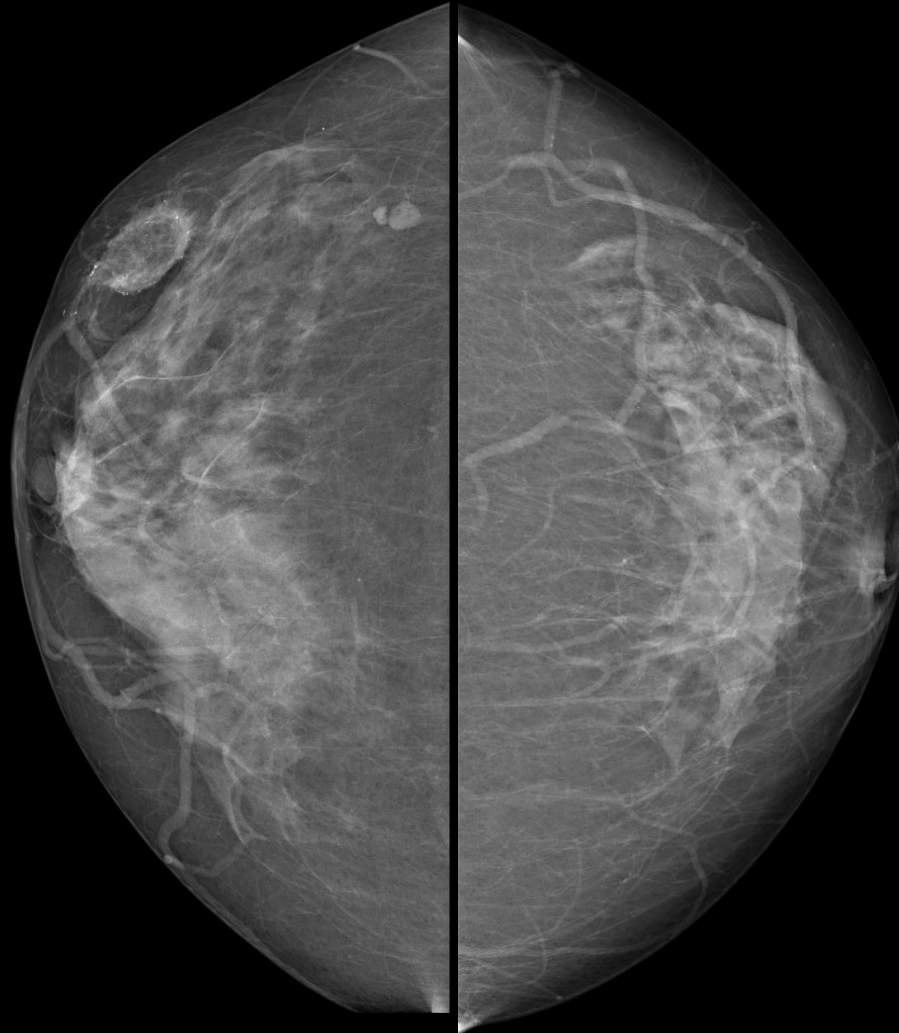
Q47-1

67F History of Rt breast trauma
請寫出診斷 & BI-RADs?

本題有三張投影片，第一張

R-CC

[L-CC]

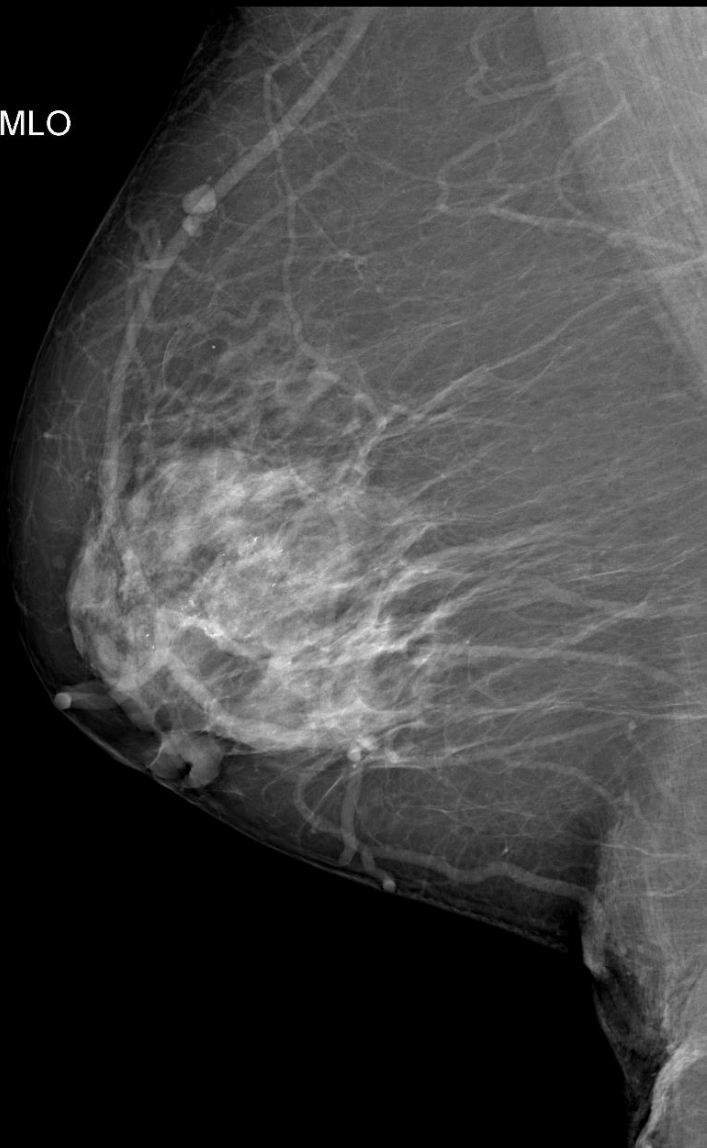


2011

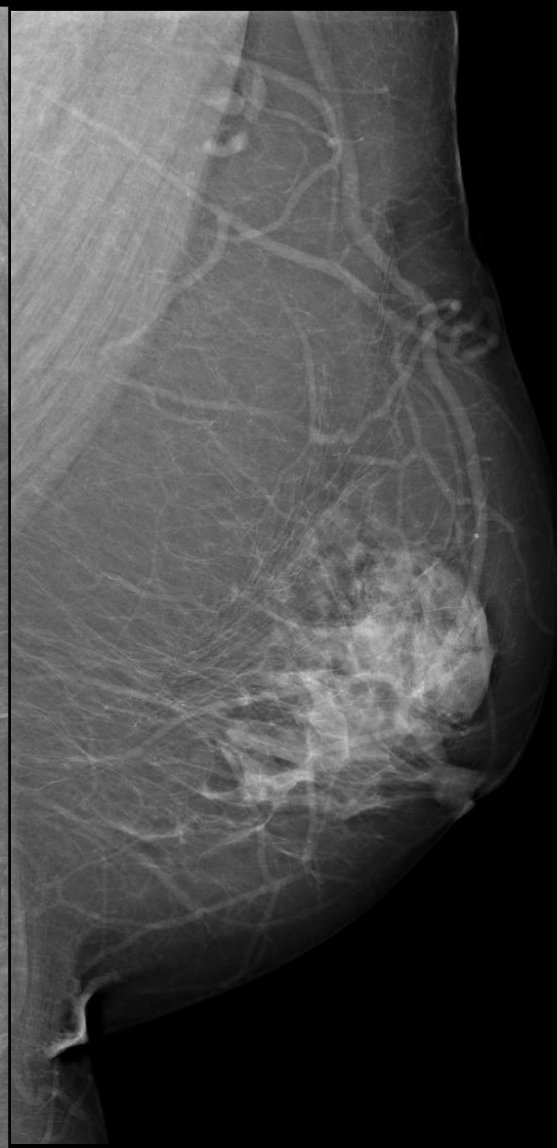
Q47-2

本題有三張投影片，第二張

R-MLO



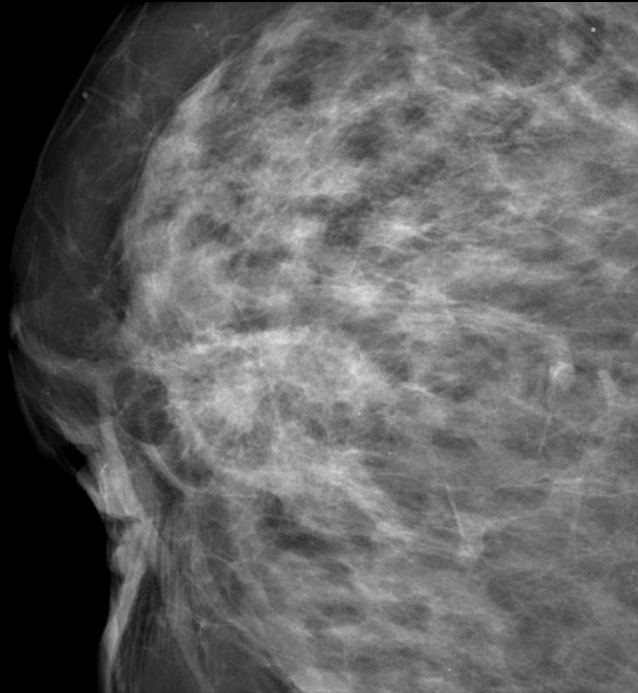
[L-MLO]



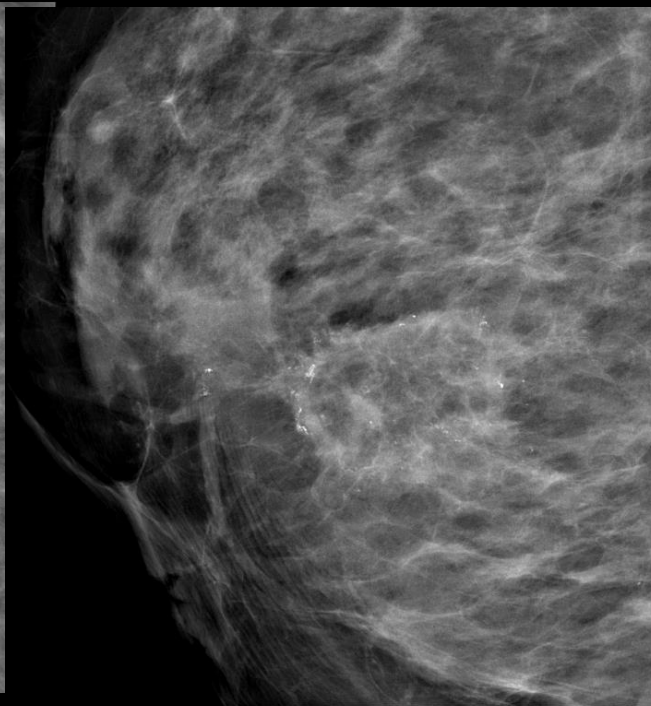
Q47-3

Comparison with previous
Mediolateral magnification views

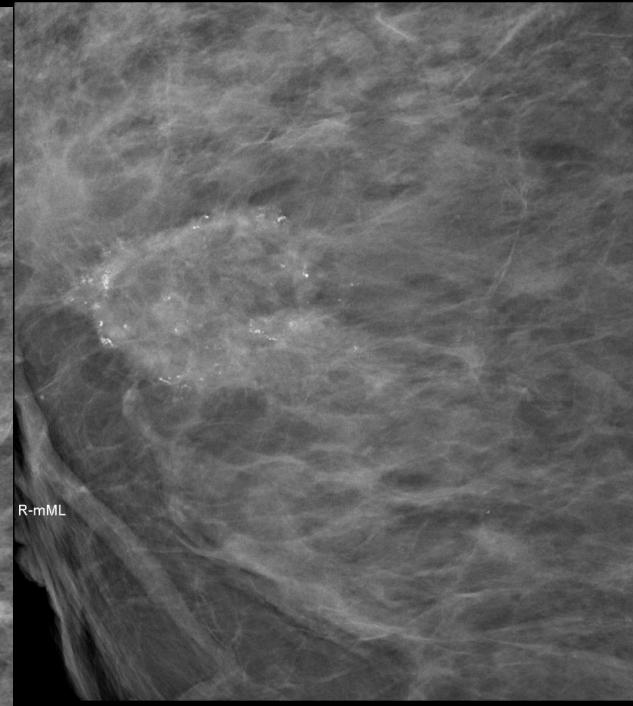
本題有三張投影片，第三張



2009



2010



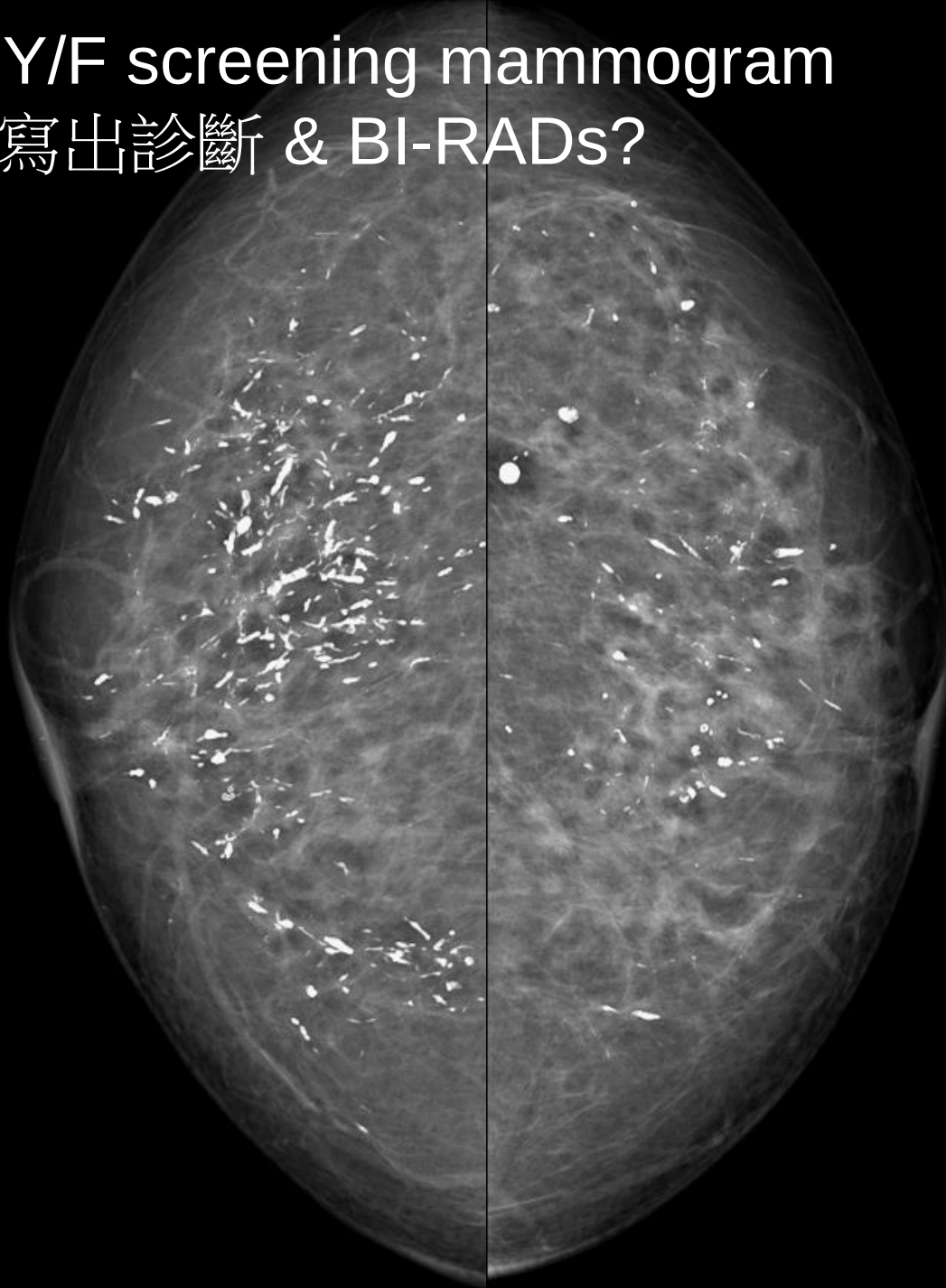
2011

- Fat necrosis , right breast
- BIRADs category 2

Q48-1

67Y/F screening mammogram
請寫出診斷 & BI-RADs?

本題有二張投影片，第一張



Q48-2

本題有二張投影片，第二張

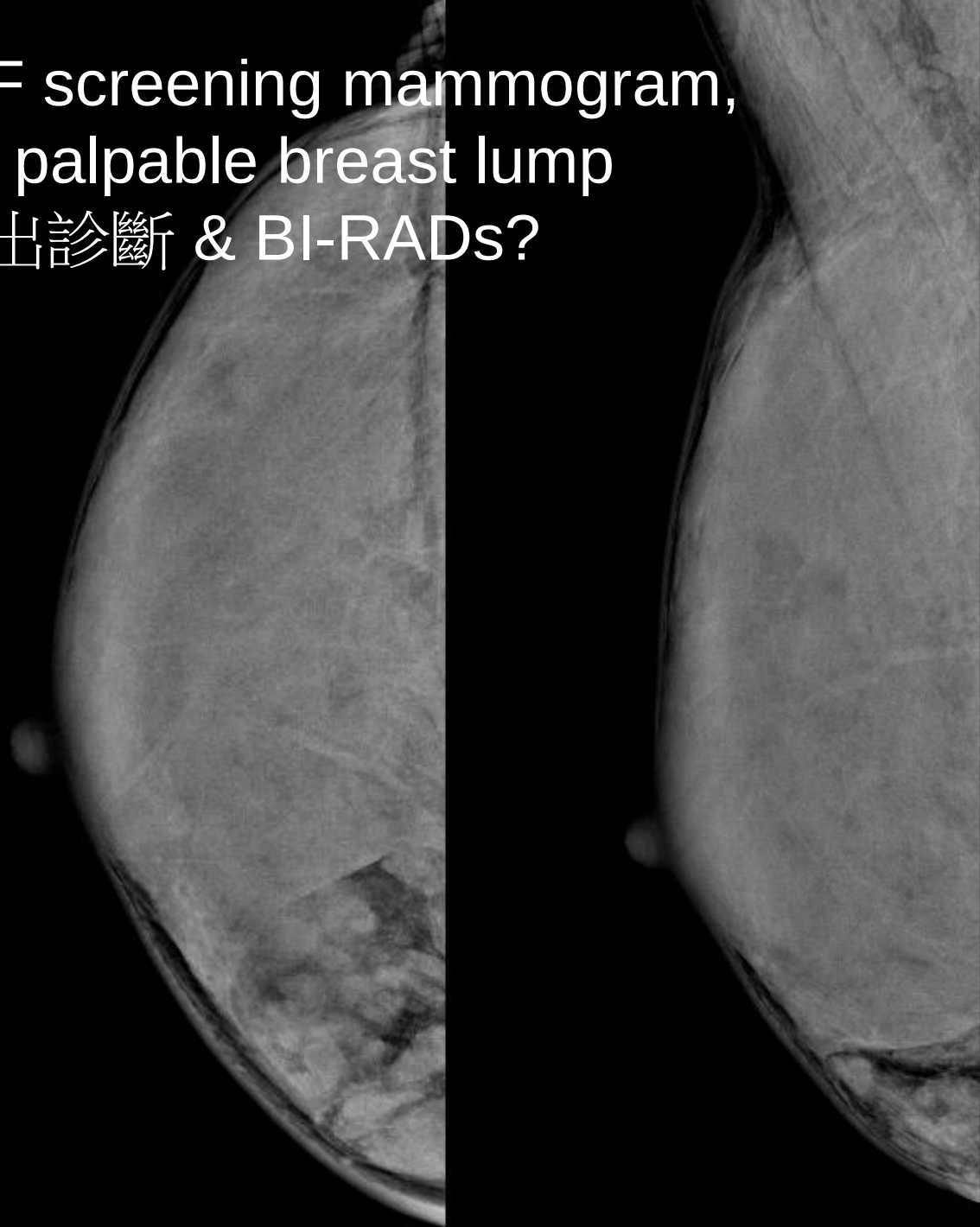


- Plasma cell mastitis / secretory type calcifications
- BIRADs category 2

Q49-1

45Y/F screening mammogram,
no palpable breast lump
請寫出診斷 & BI-RADs?

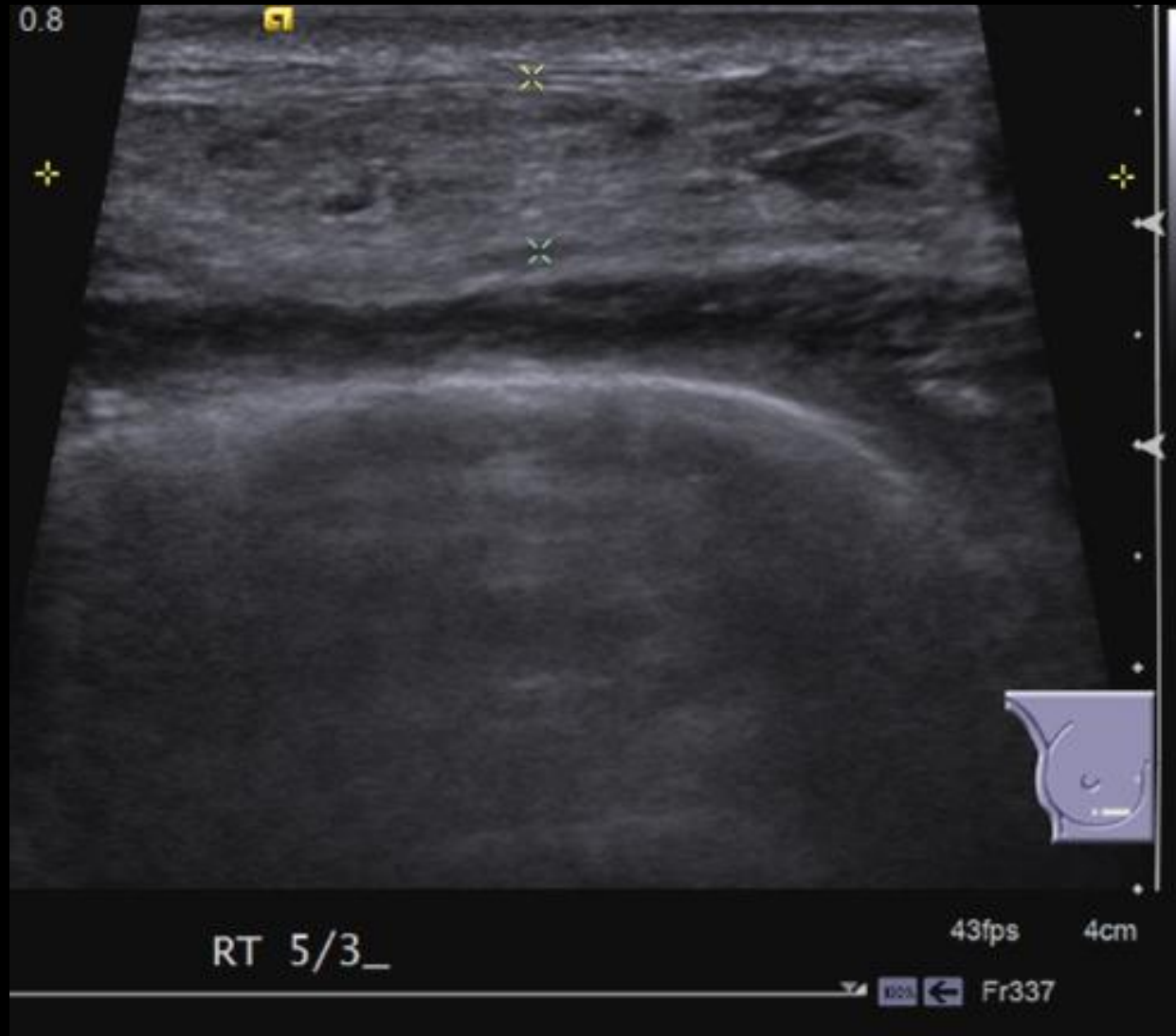
本題有二張投影片，第一張



Q49-2

45Y/F screening mammogram,
no palpable breast lump
請寫出診斷 & BI-RADs?

本題有二張投影片，第二張



- Fibroadenolipoma (hamartoma)
- BI-RADs category 2

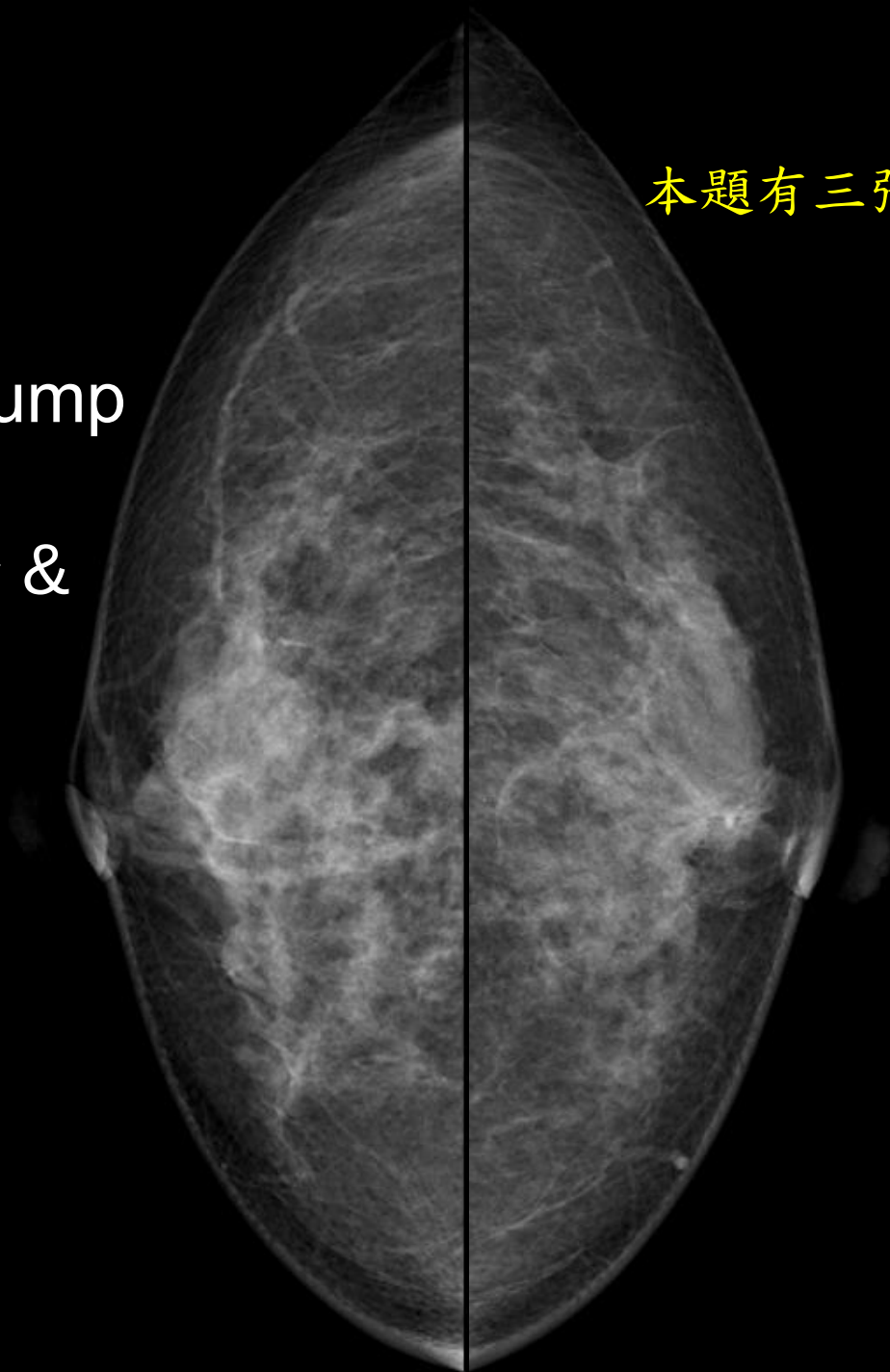
Q50-1

本題有三張投影片，第一張

45Y/F

R't breast lump

請寫出診斷 &
BI-RADs?



Q50-2

45Y/F

R't breast lump

請寫出診斷 &
BI-RADs?



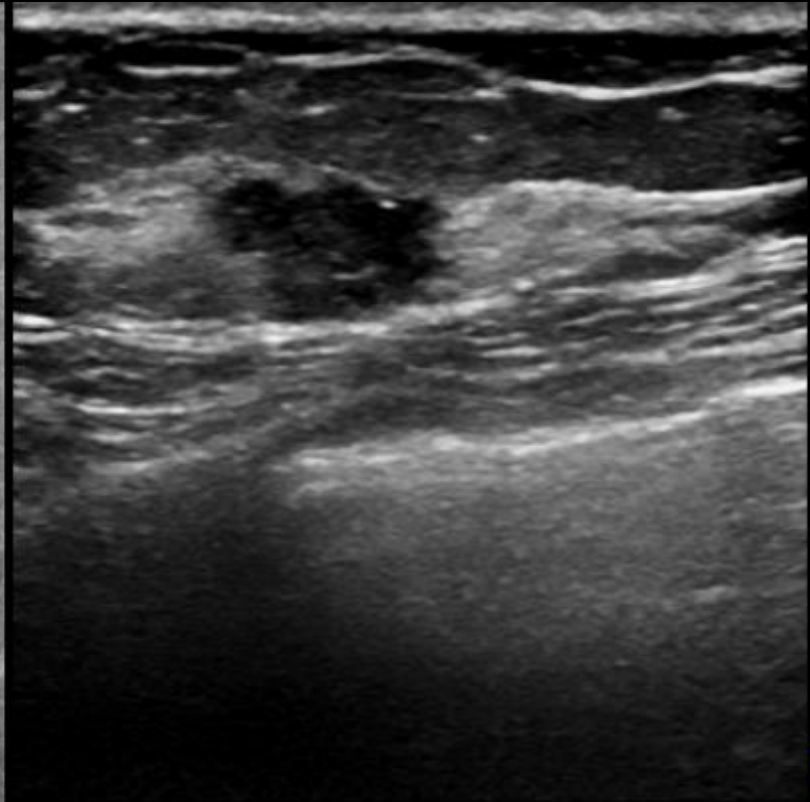
本題有三張投影片，第二張

Q50-3

45Y/F R't breast lump

請寫出診斷 & BI-RADs?

本題有三張投影片，第三張



1/3



- Breast cancer
- BI-RADs category 4 or 5