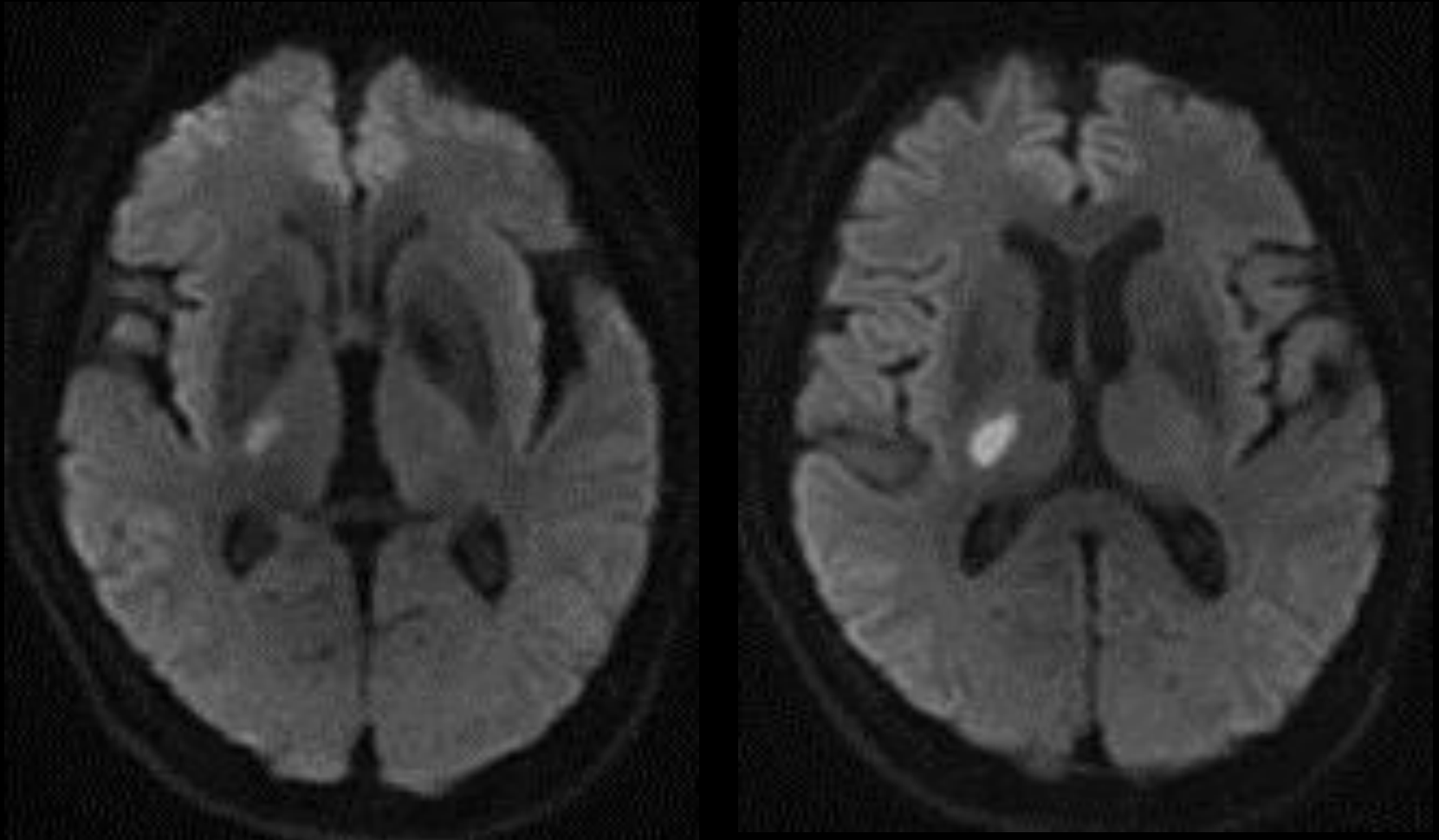


2014年8月22日
中華民國放射線醫學會
住院醫師閱片測驗

出題醫院
高雄醫學大學附設中和紀念醫院
影像醫學部

CASE 1.

Male, 67 y/o. What artery is related to this lesion?

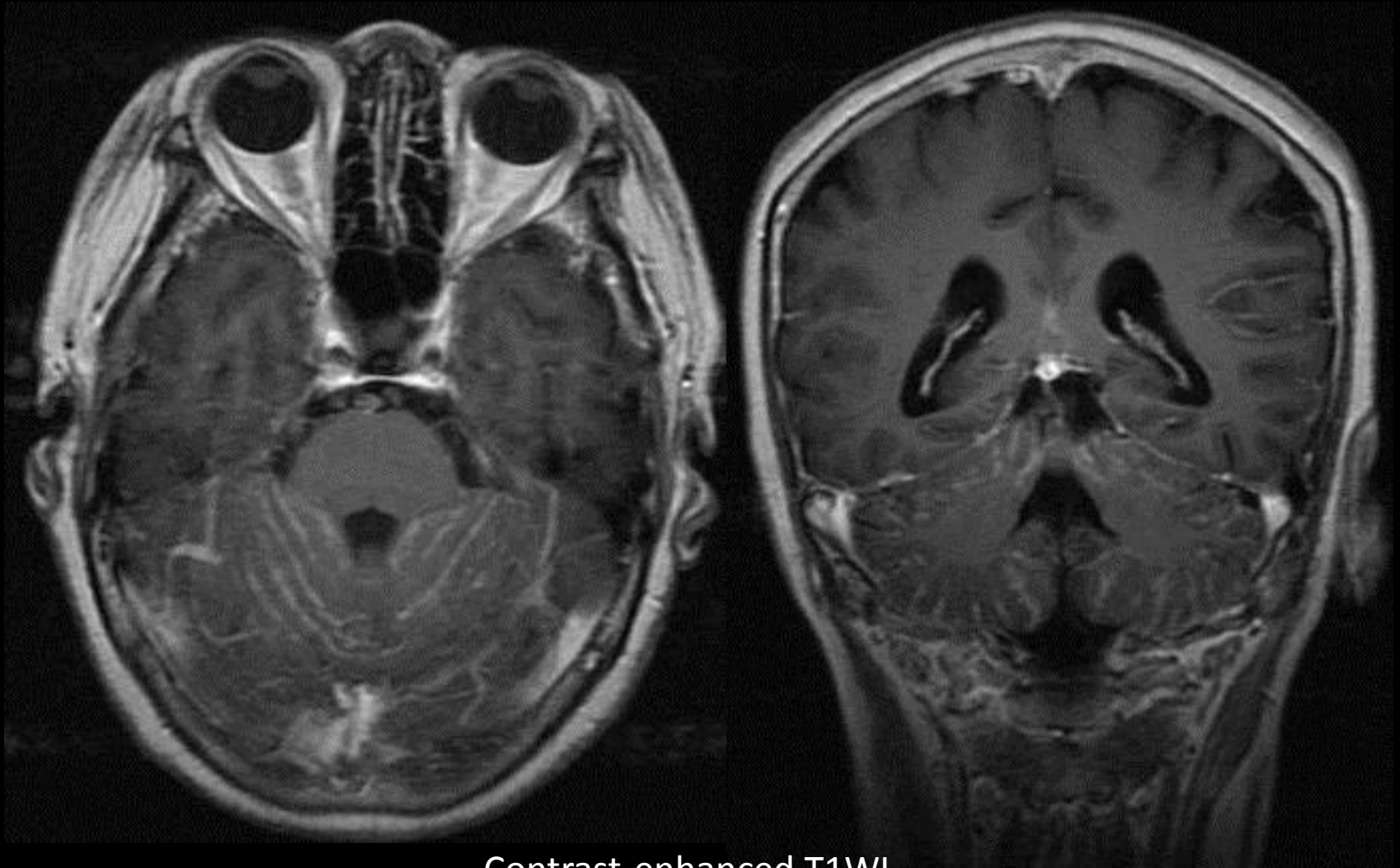


Case 1

- Anterior choroidal artery

CASE 2.

Female, 71 y/o. No fever. No infection signs.



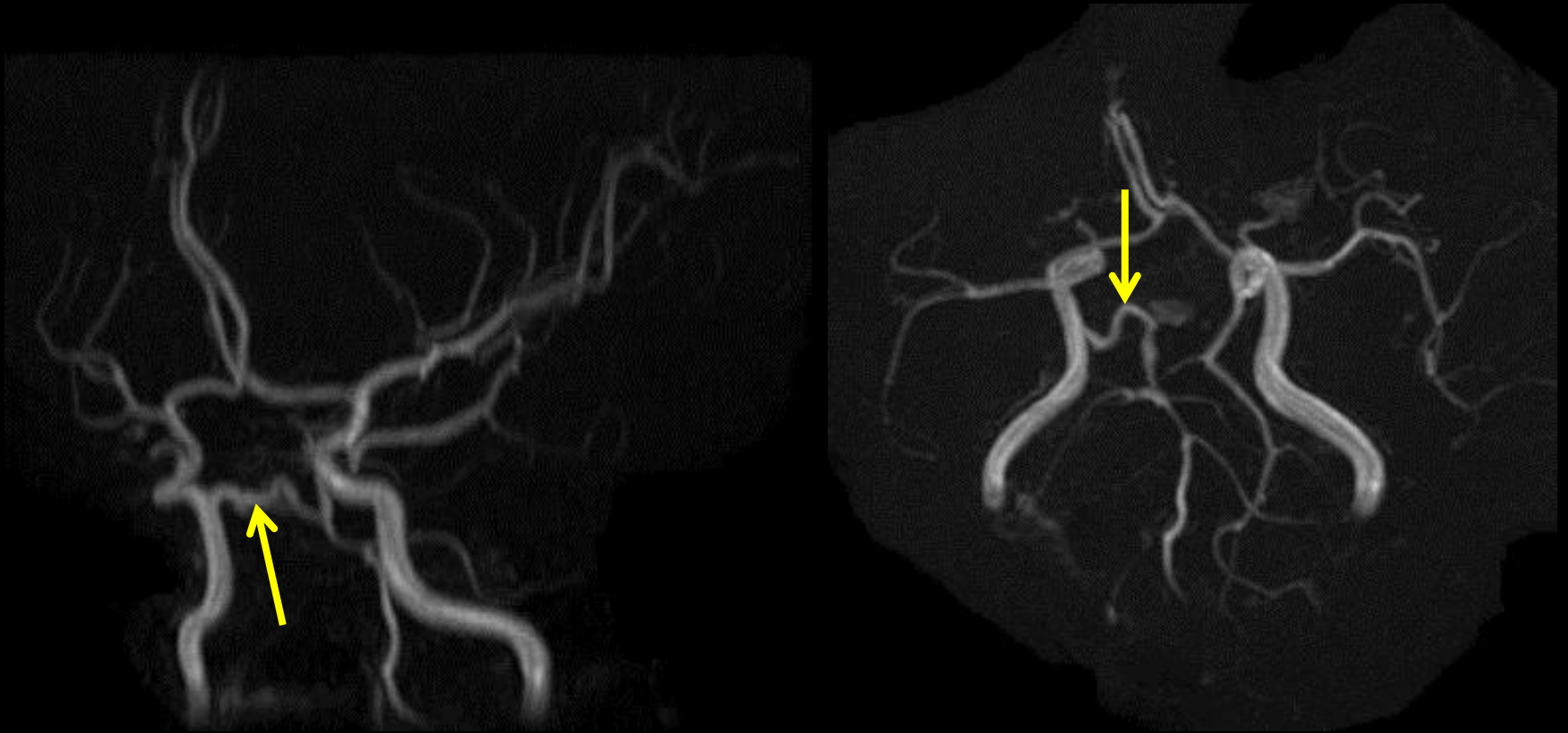
Contrast-enhanced T1WI

Case 2

- Leptomeningeal carcinomatosis
(Leptomeningeal metastasis)

CASE 3

Female, 31 y/o. Cerebral TOF MRA.



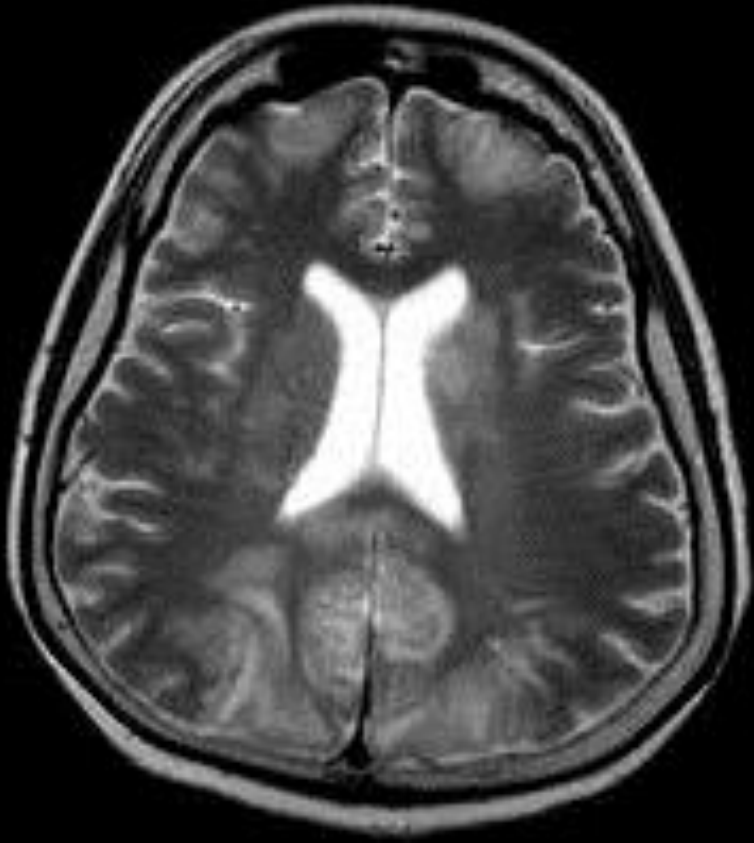
What is the artery at which the yellow arrow points?

Case 3

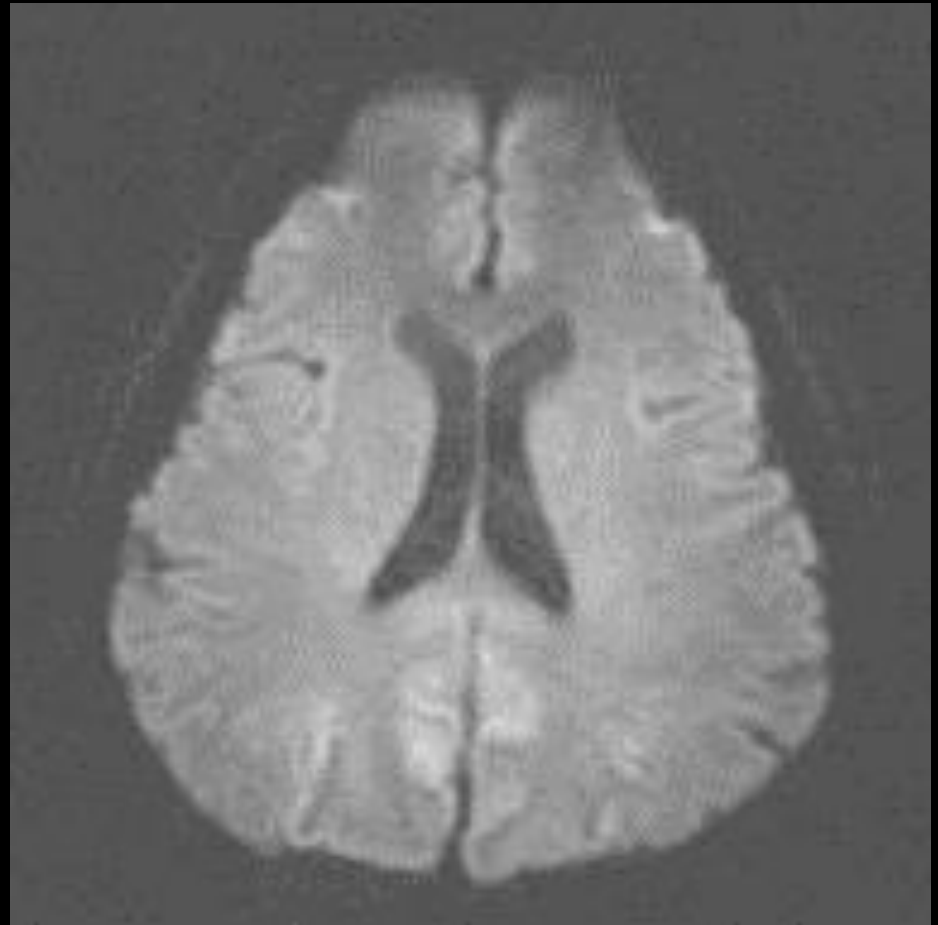
- Persistent primitive trigeminal artery (PPTA)

Case 4.

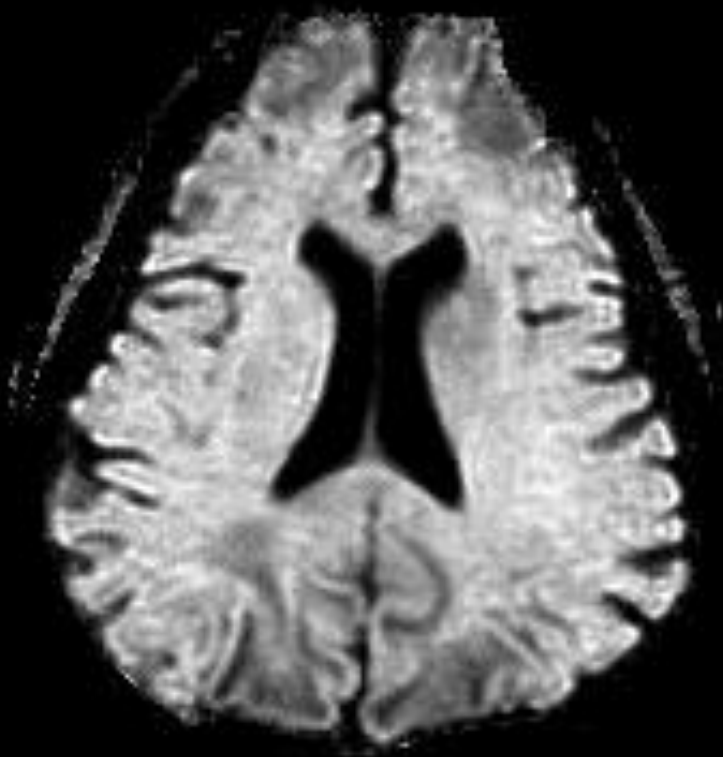
T2WI



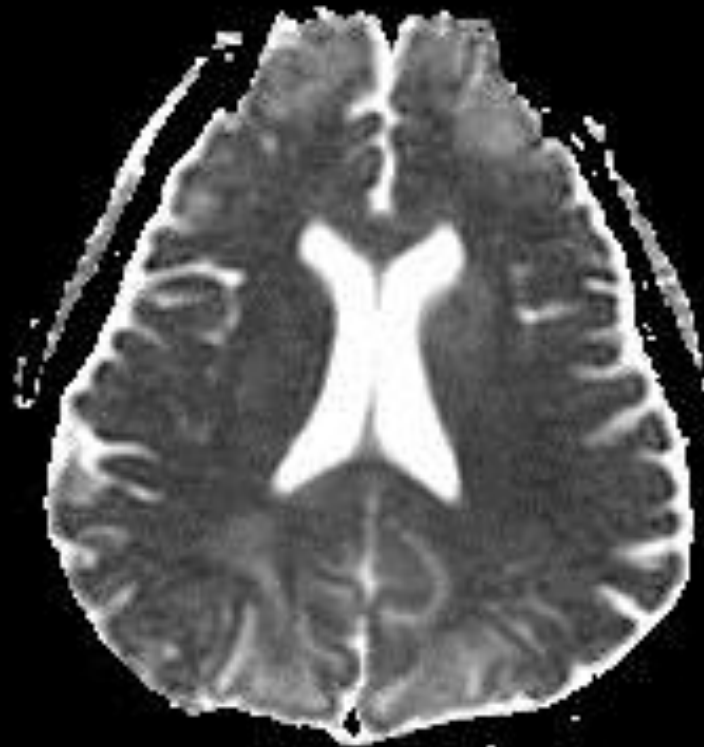
DWI



EADC



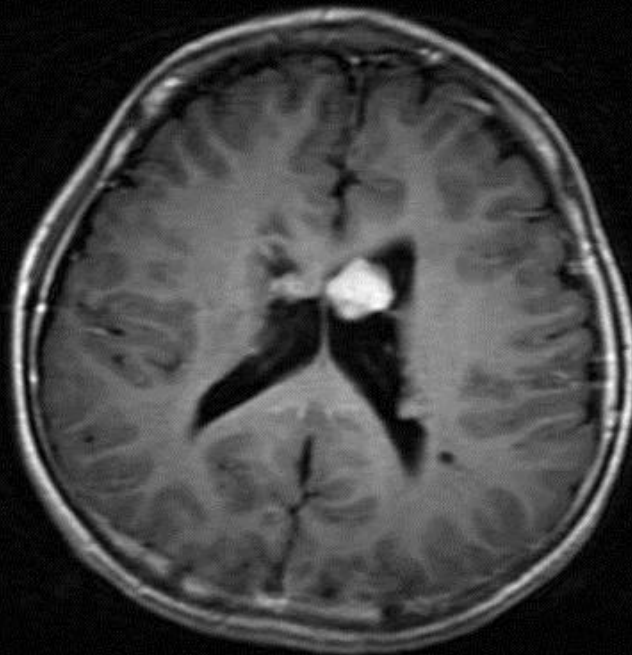
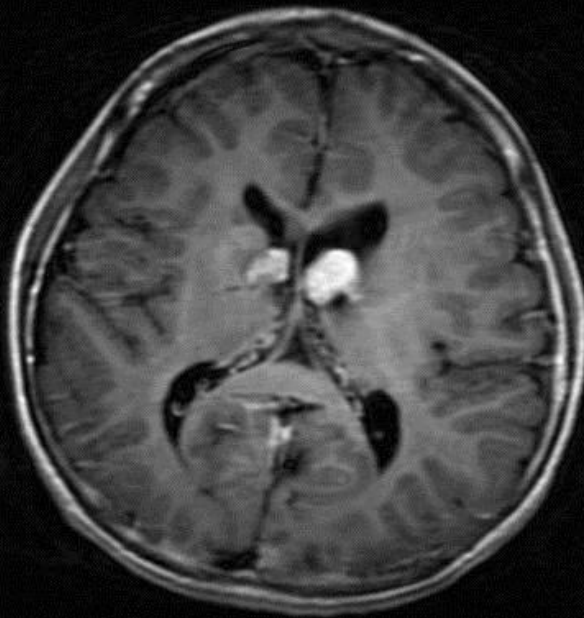
ADC map



Case 4

- Posterior reversible encephalopathy syndrome

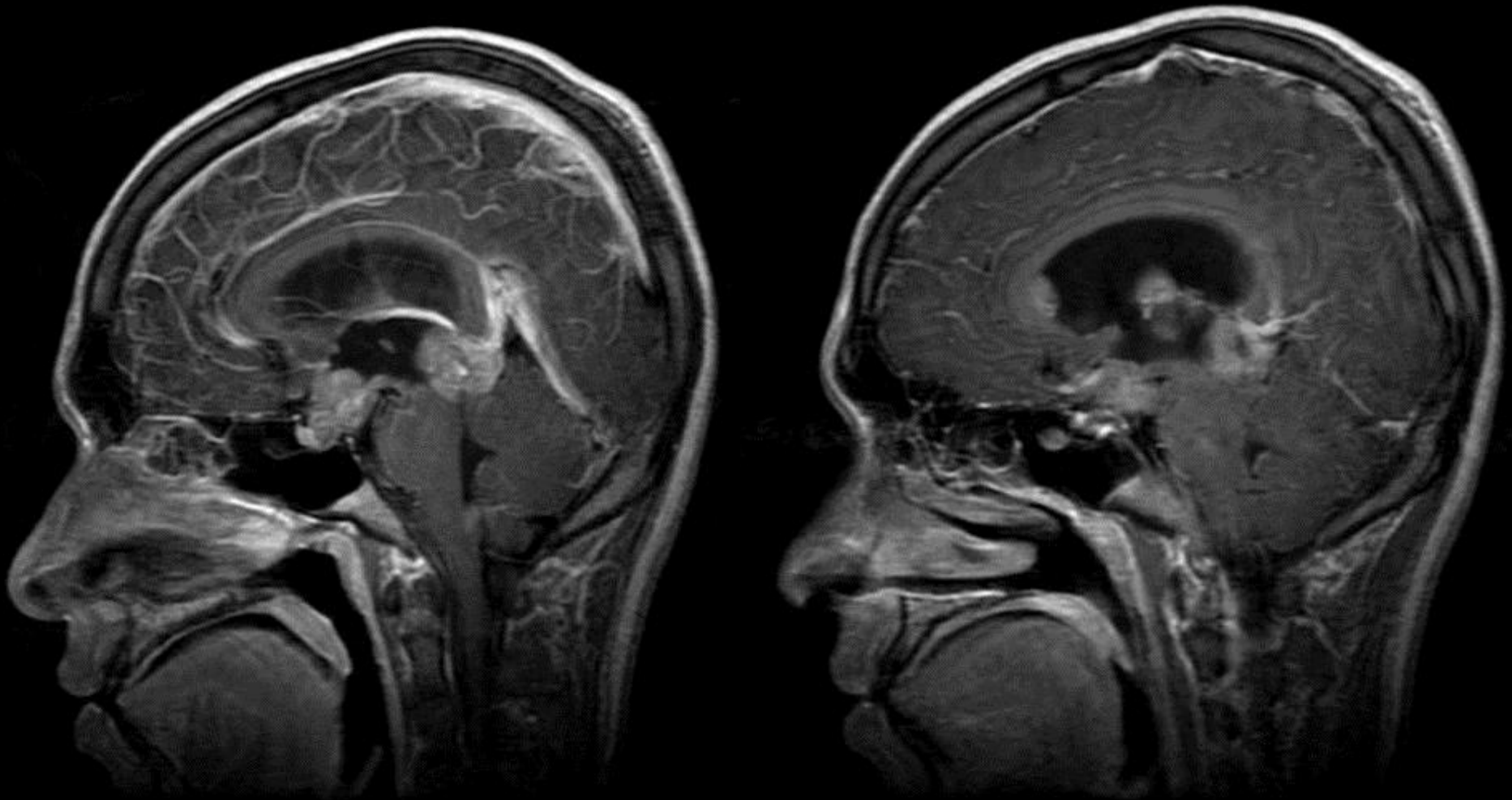
Case 5.



Case 5

- Tuberous sclerosis

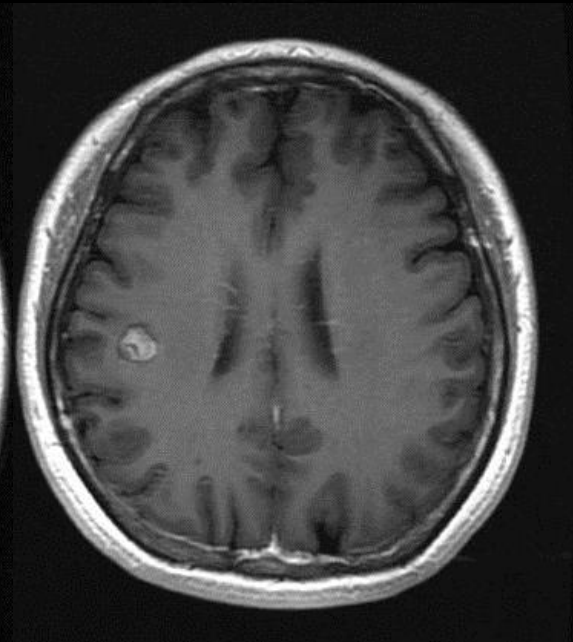
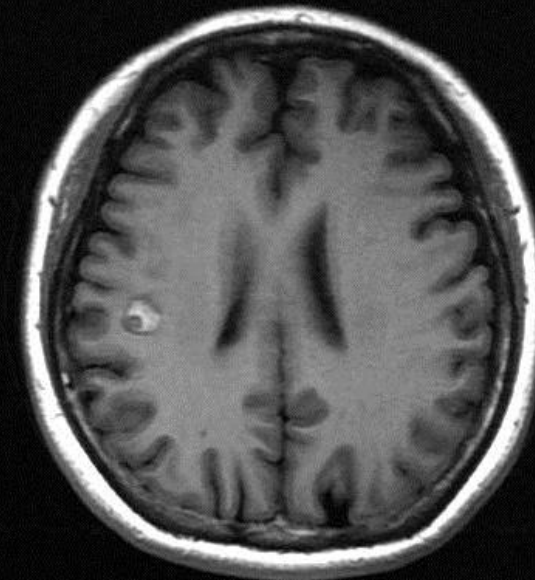
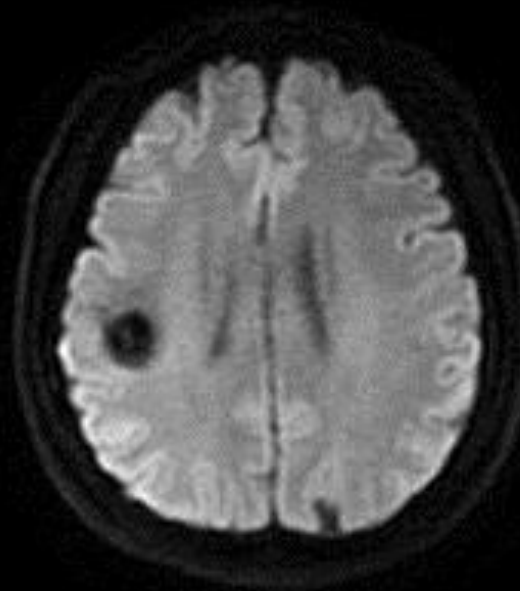
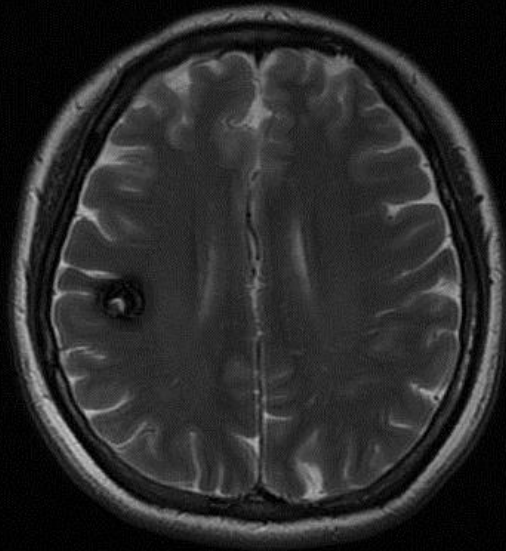
Case 6.

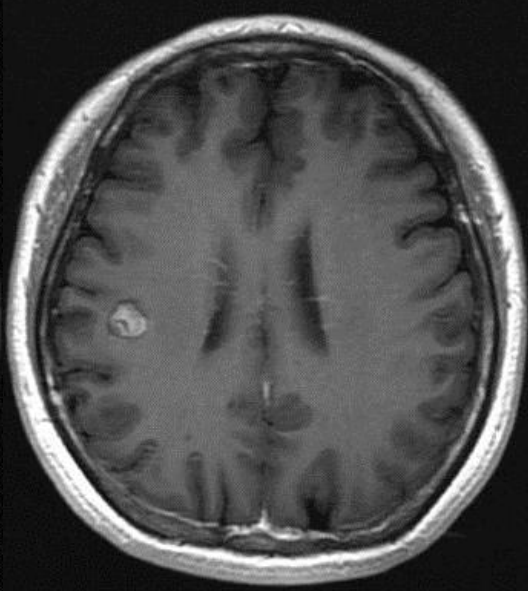
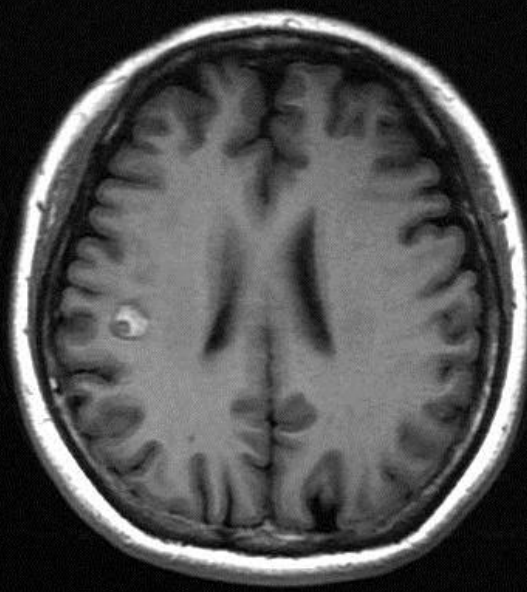
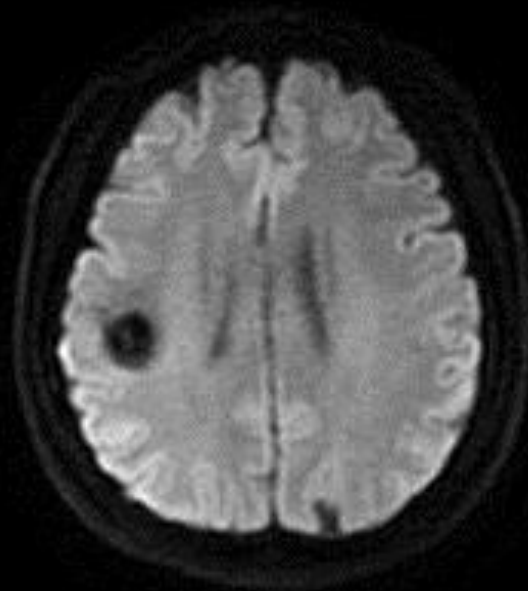
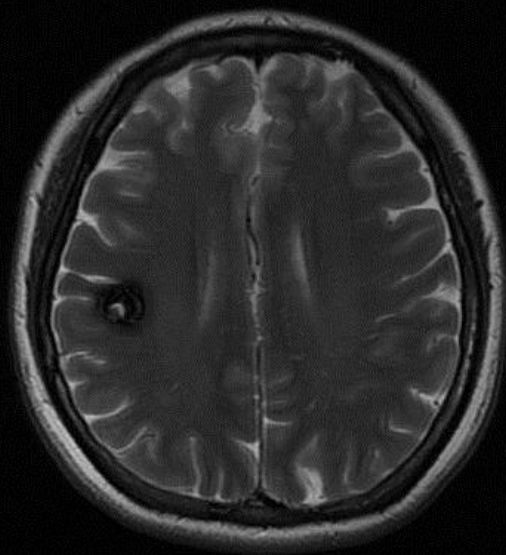


Case 6

- Germinoma

Case 7. 46-year-old female

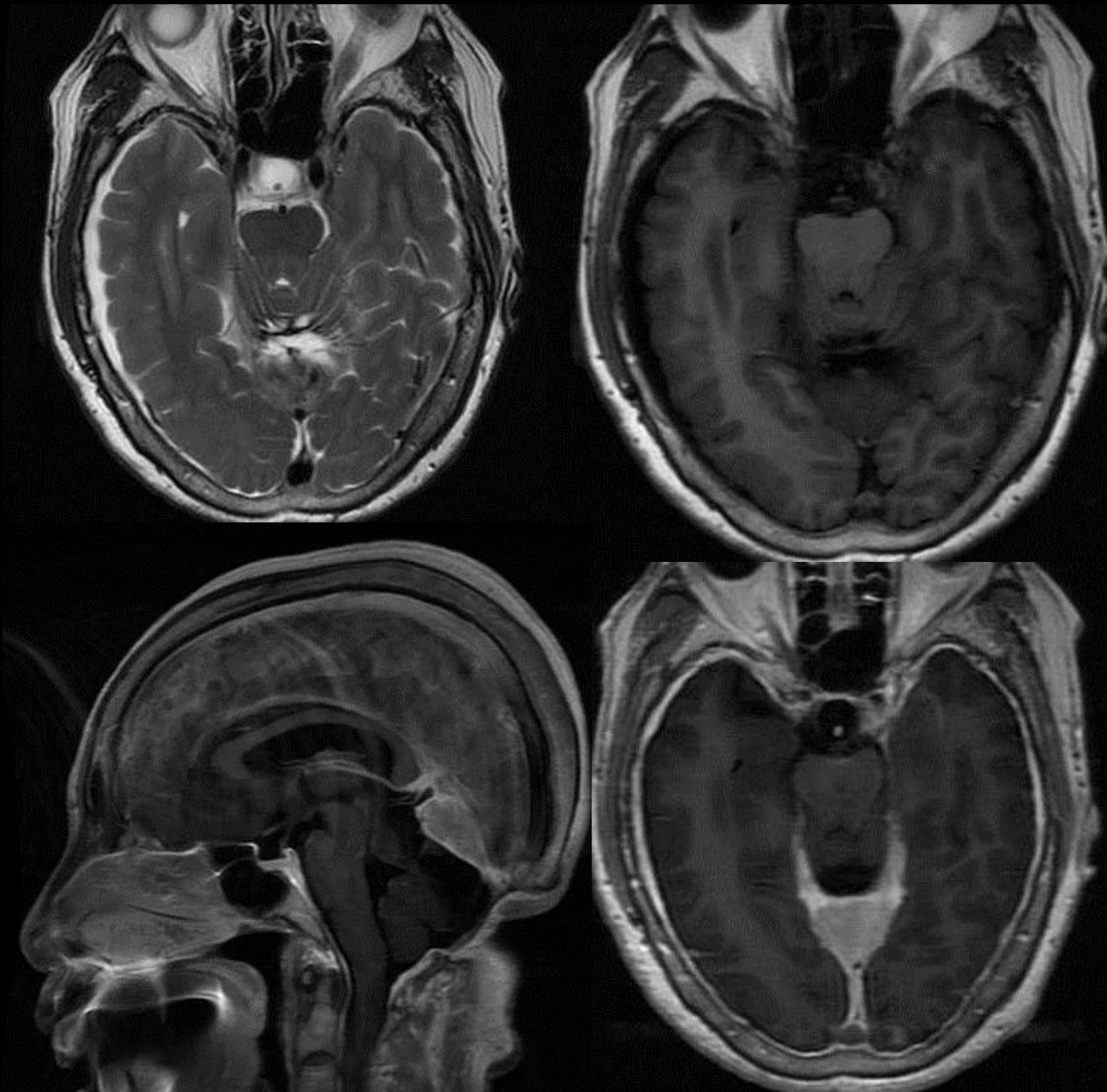


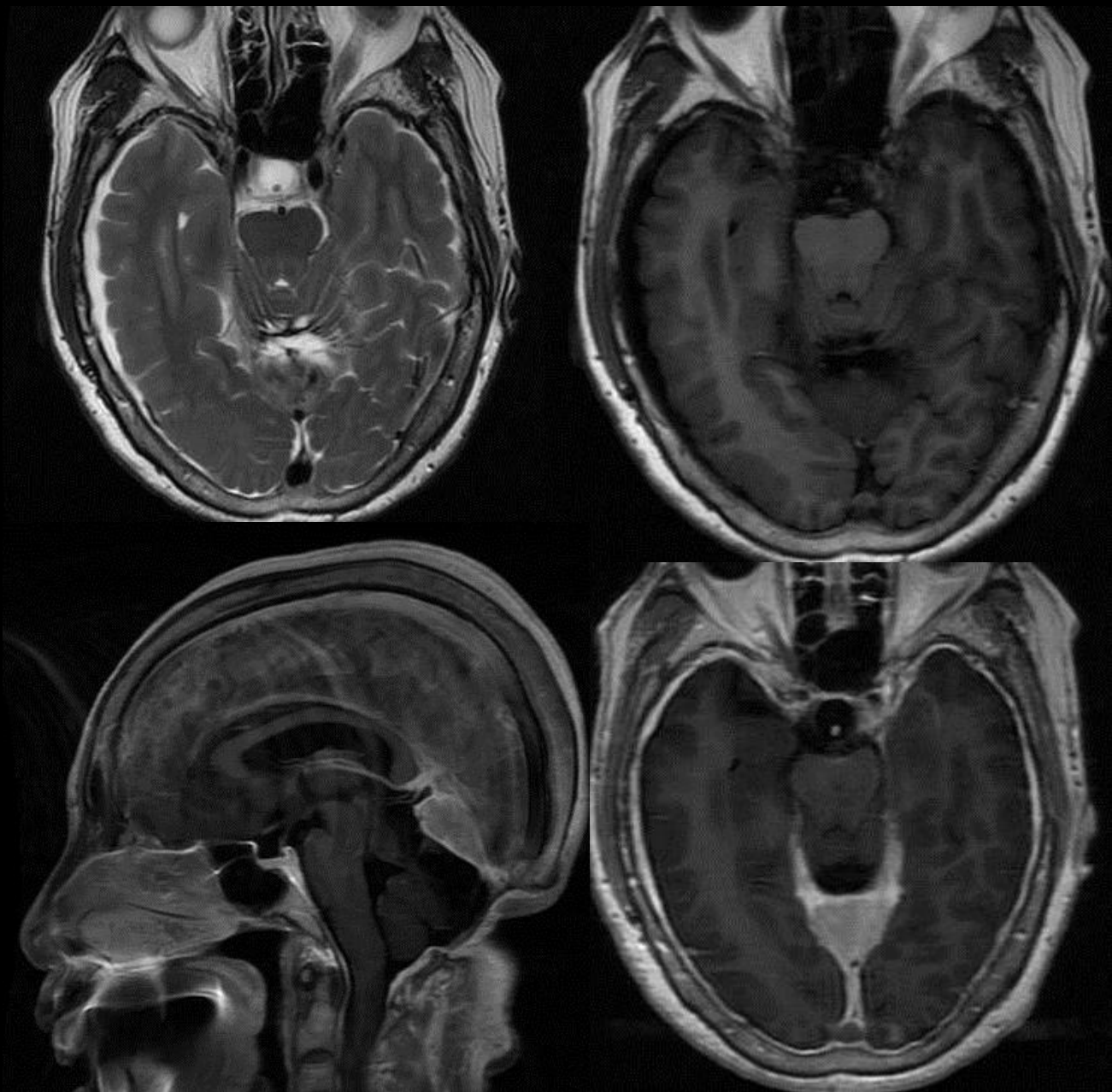


Case 7

- Cavernous angioma

Case 8. 63-year-old female

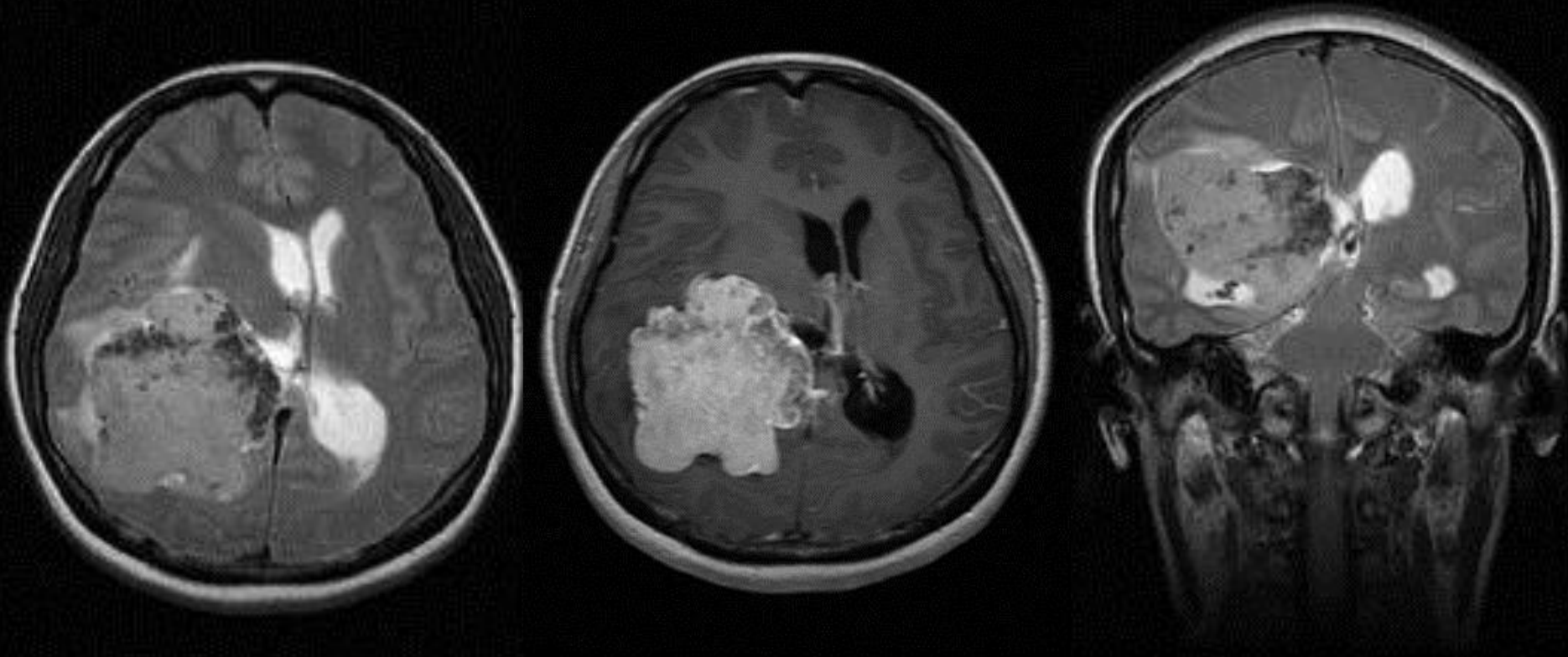




Case 8

- Tentorial meningioma

Case 9. 40 year-old female
Headache for 2 weeks

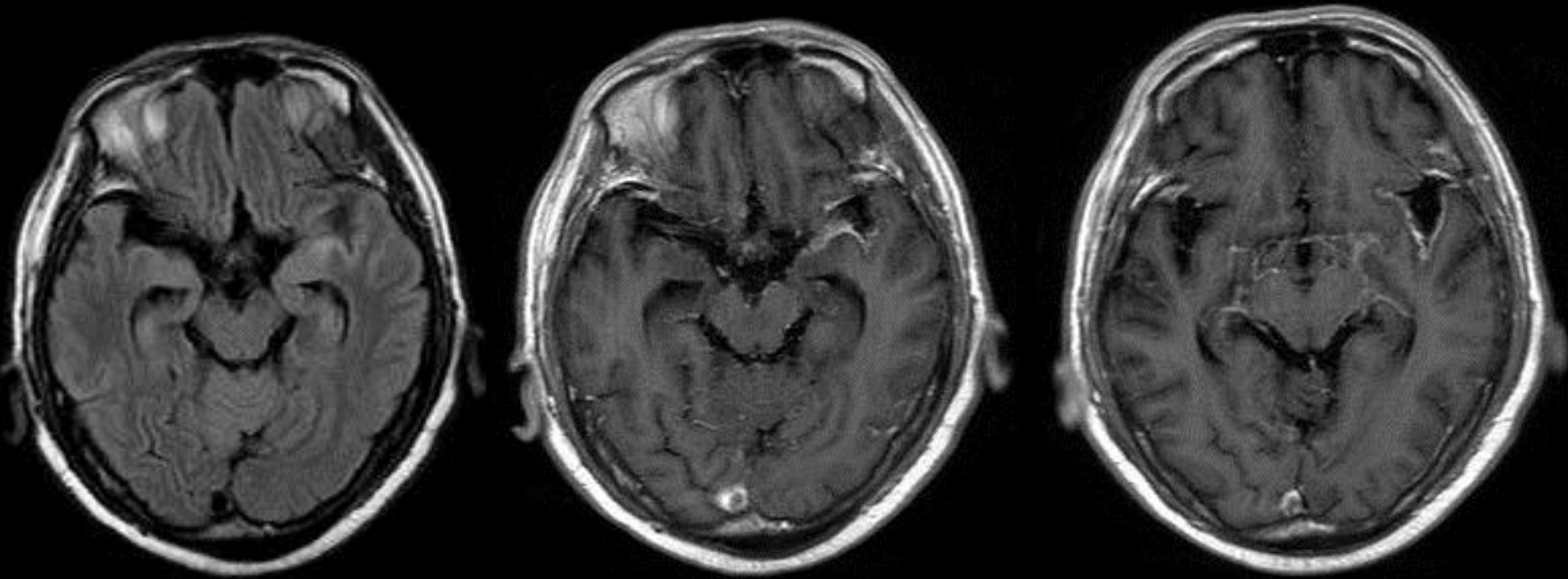


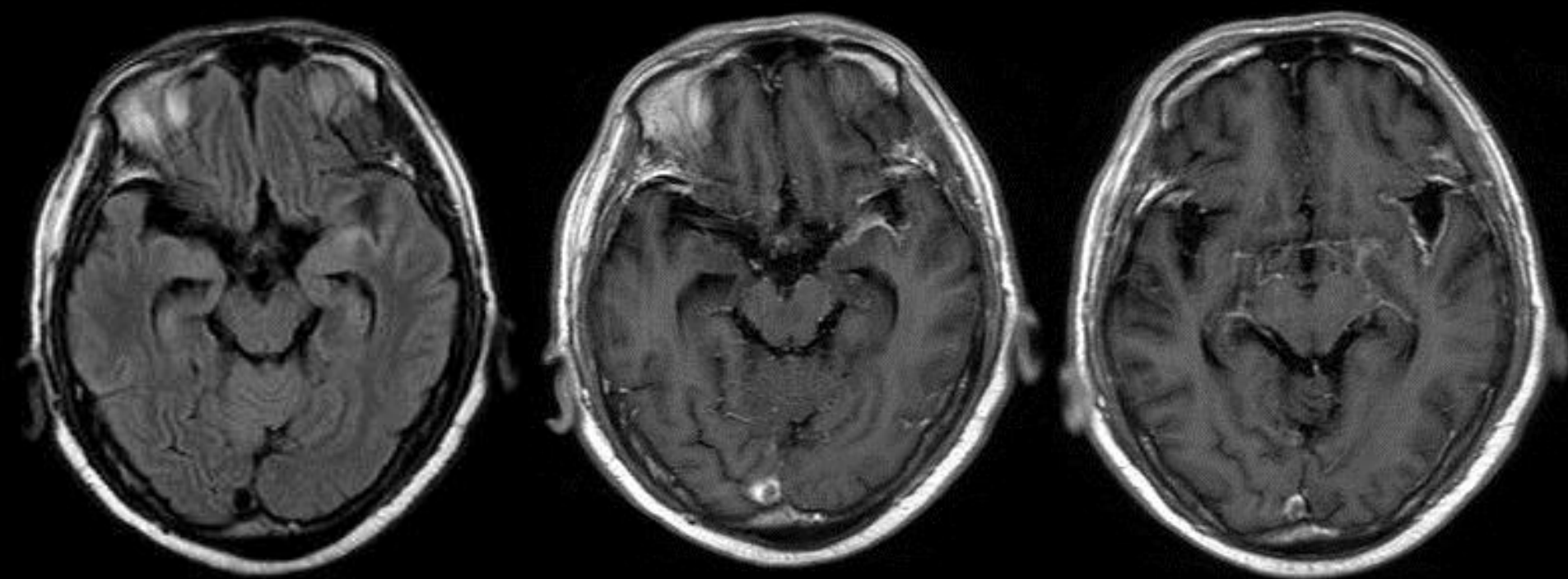


Case 9

- Intraventricular meningioma

Case 10. 62 year-old male
Fever for one month





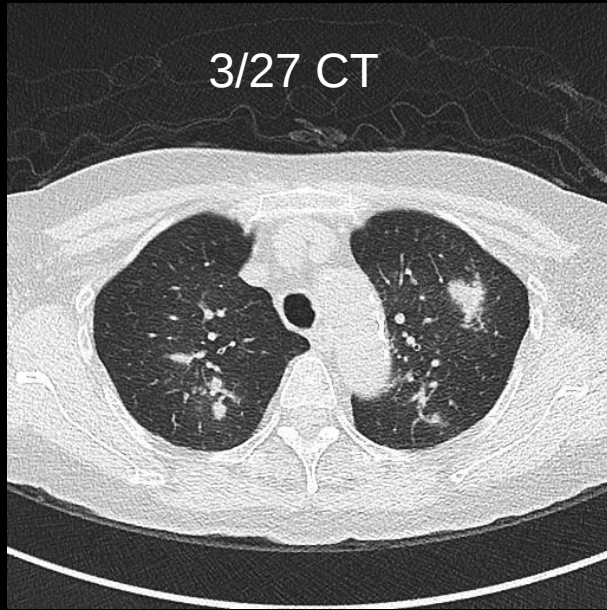
Case 10

- TB meningitis

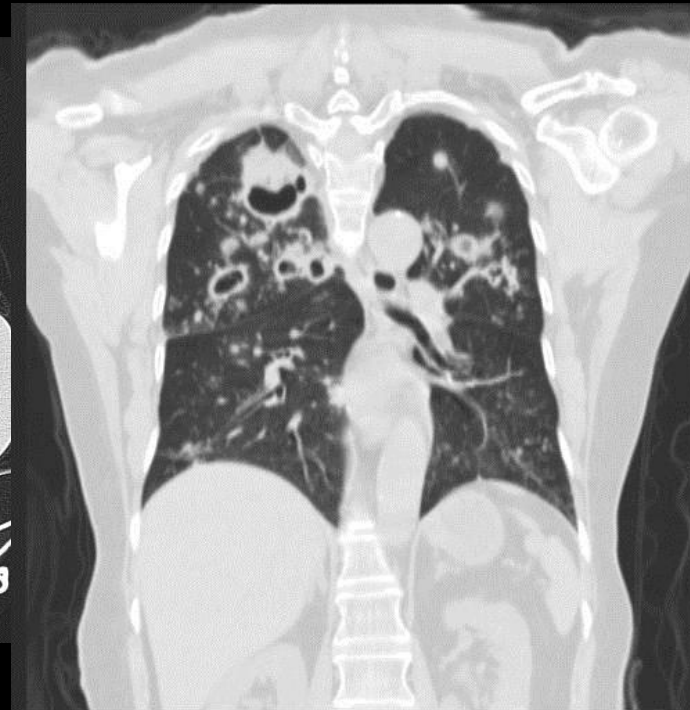
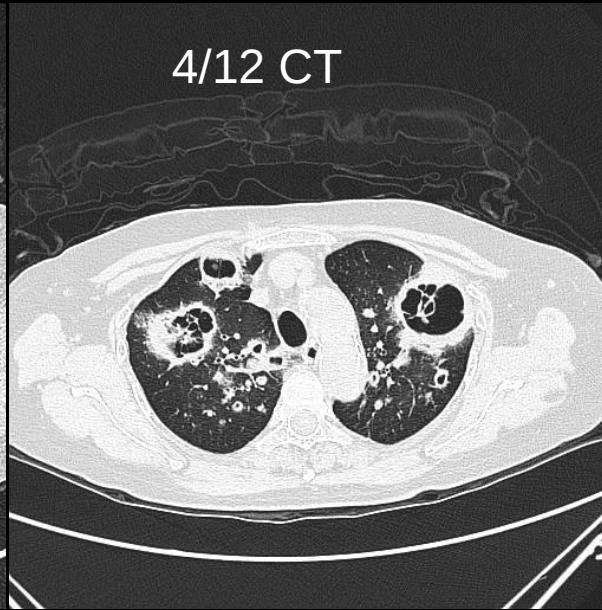
Case 11. 69 year-old female with DM

Dyspnea for one week

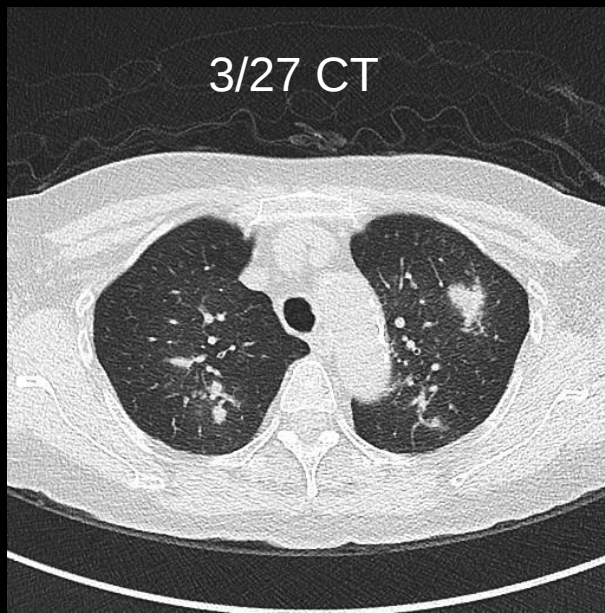
3/27 CT



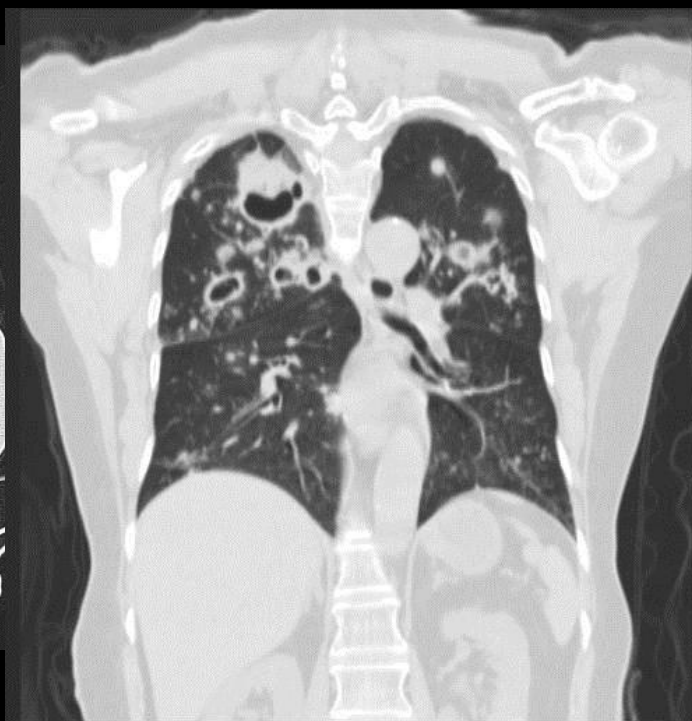
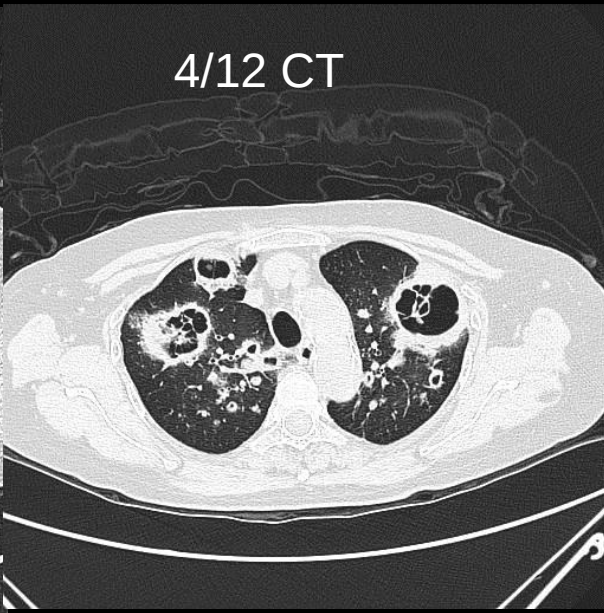
4/12 CT



3/27 CT



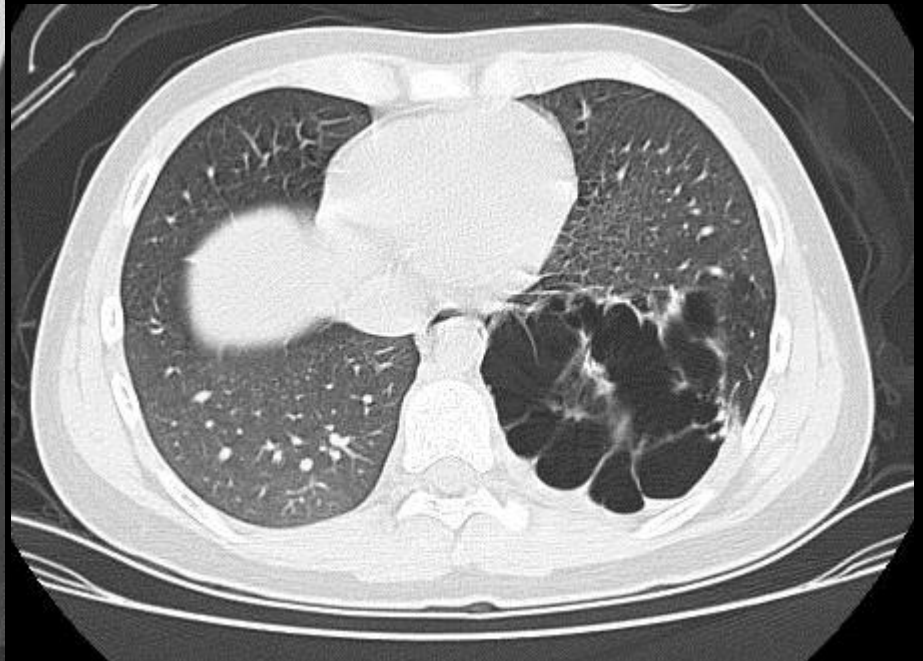
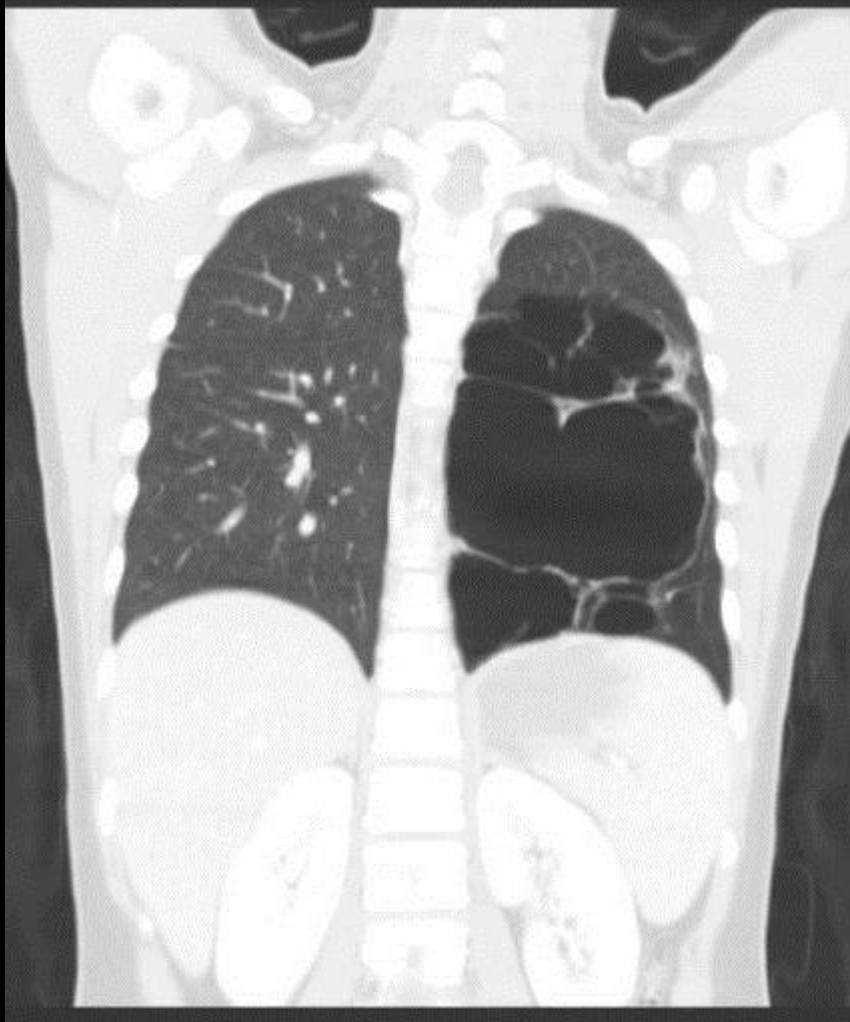
4/12 CT



Case 11

- Aspergillus infection

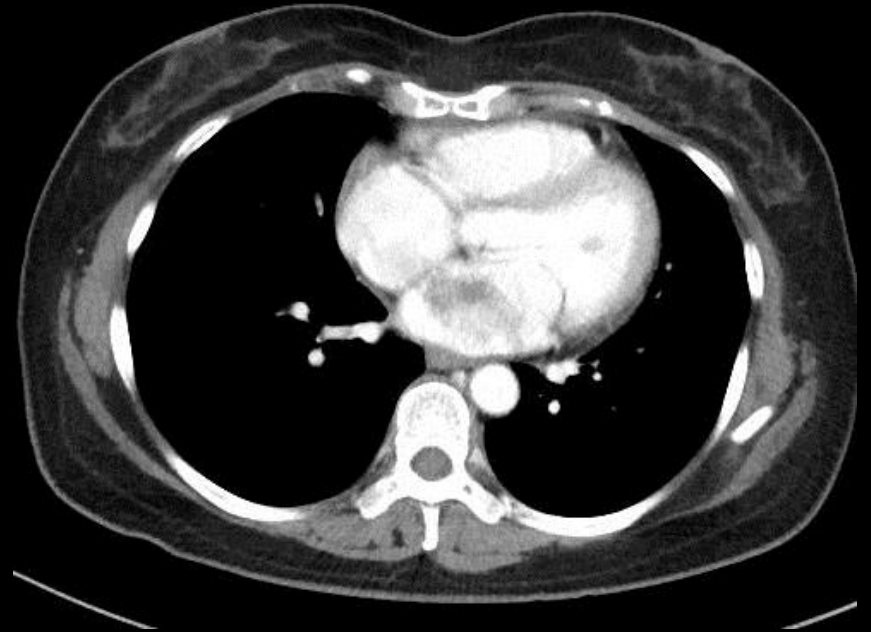
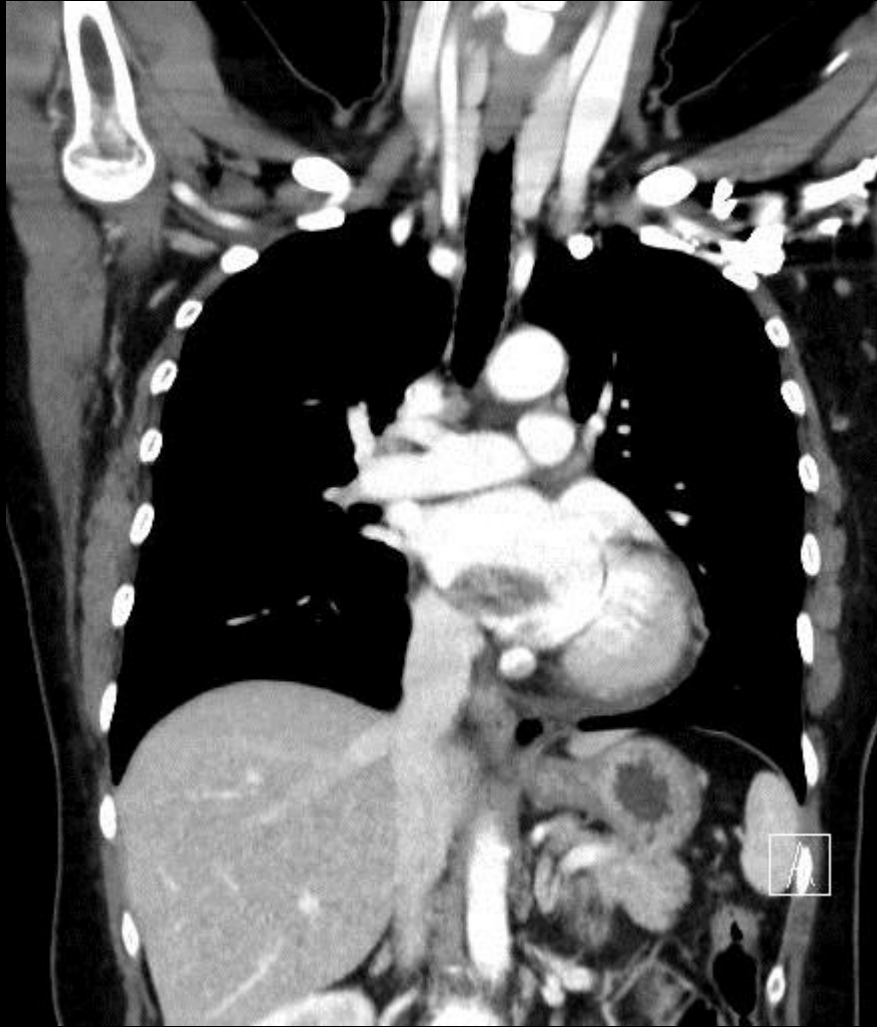
Case 12. 11 y/o Boy



Case 12

- Congenital cystic adenomatoid malformation (CCAM)
- or Congenital pulmonary airway malformation (CPAM)

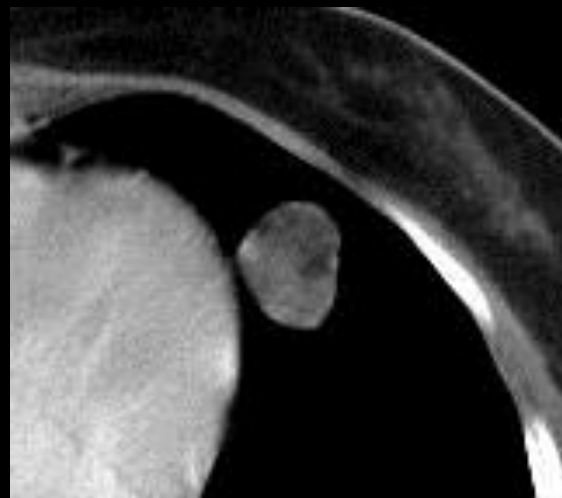
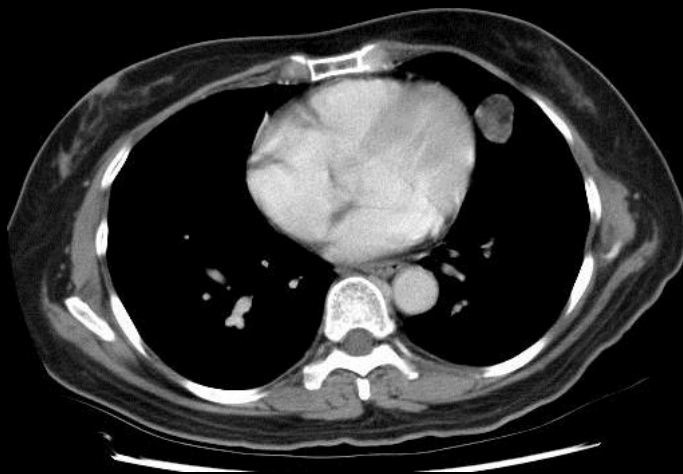
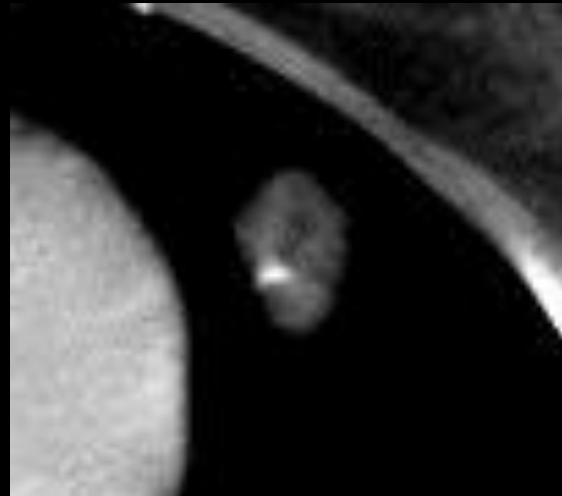
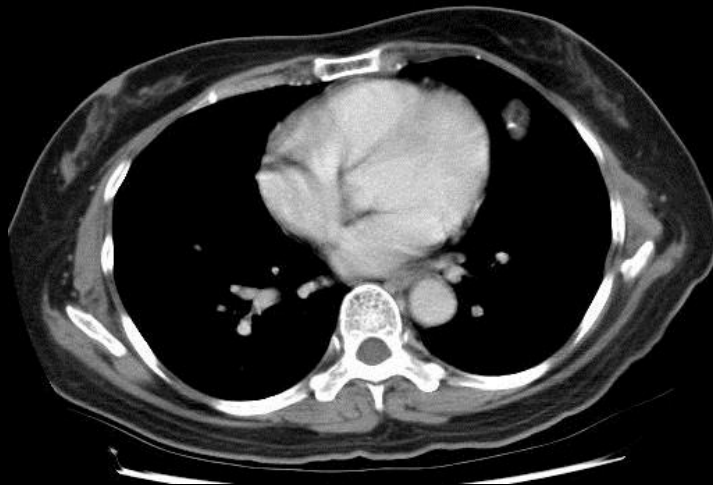
Case 13. 54 years old female patient with non-ST elevation myocardial infarction



Case 13

- Myxoma in the left atrium of the heart.

Case 14. 27 y/o, female



Case 14

- Intrapulmonary hamatoma

Case 15. 70-year-old man with weight loss and dyspepsia



Case 15

- Gastric lymphoma

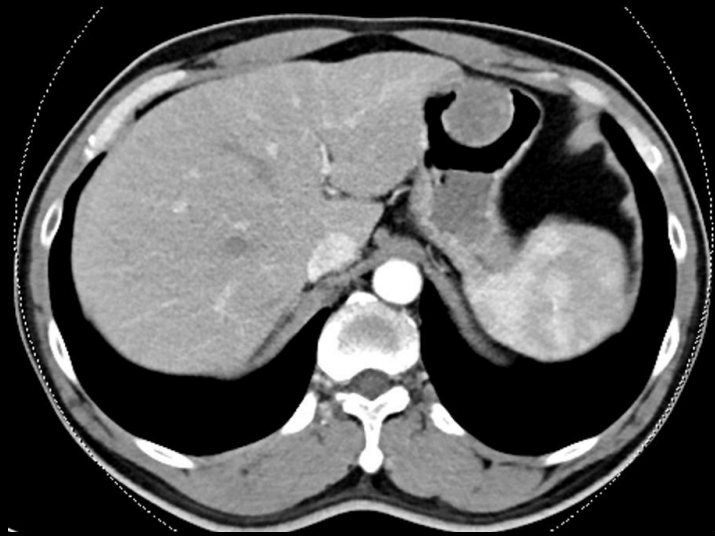
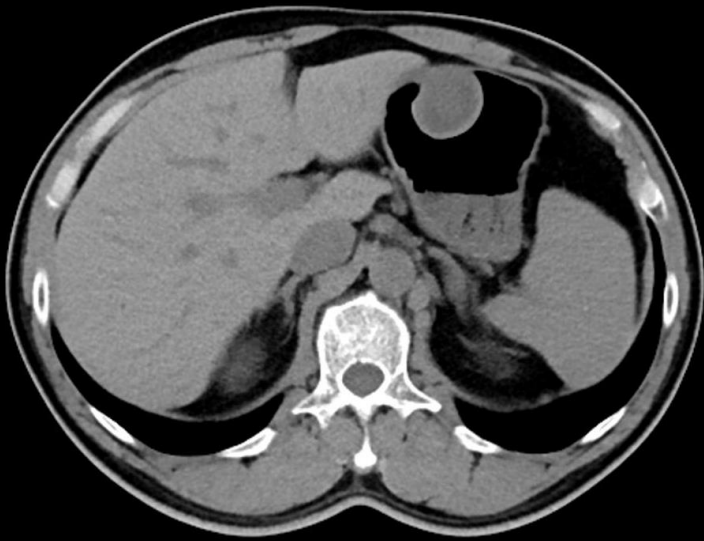
Case 16. 46-year-old man, LLQ pain and fever



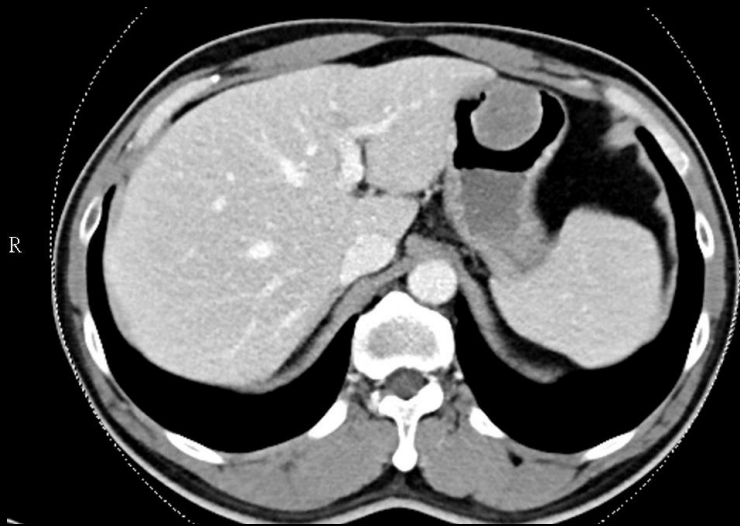
Case 16

- Epiploic appendagitis

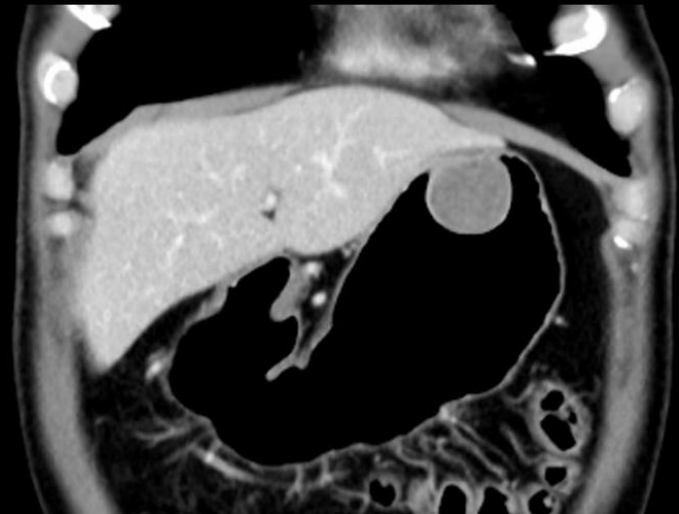
Case 17. 49 y/o, male, epigastralgia, tarry stool



arterial phase



venous phase

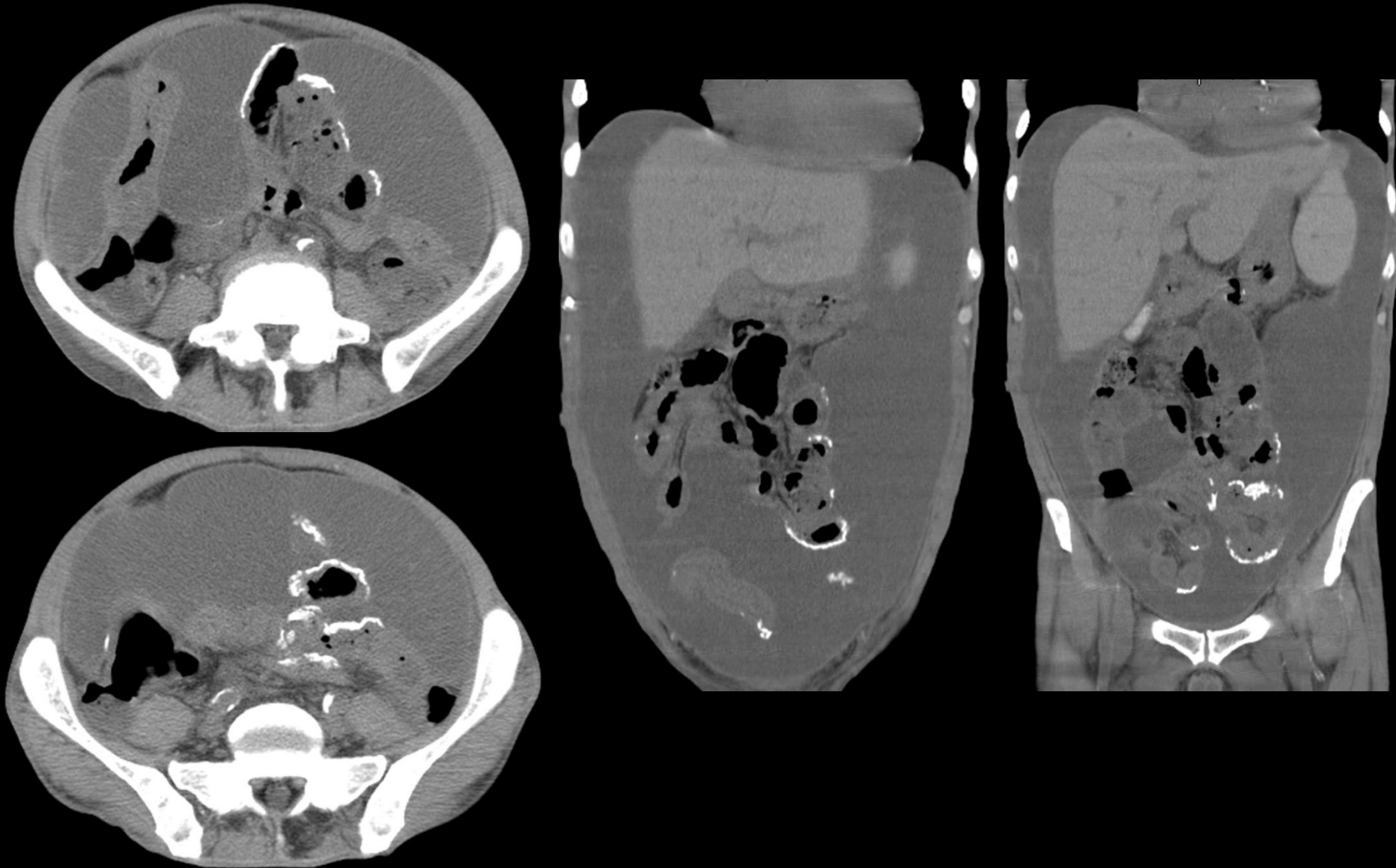


venous phase

Case 17

Gastrointestinal stromal tumor

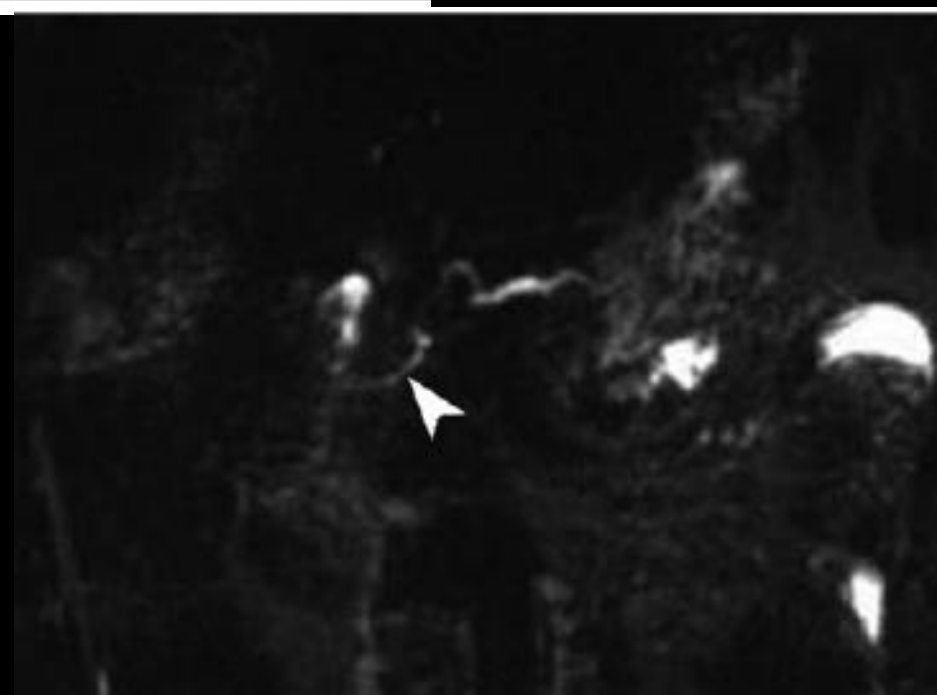
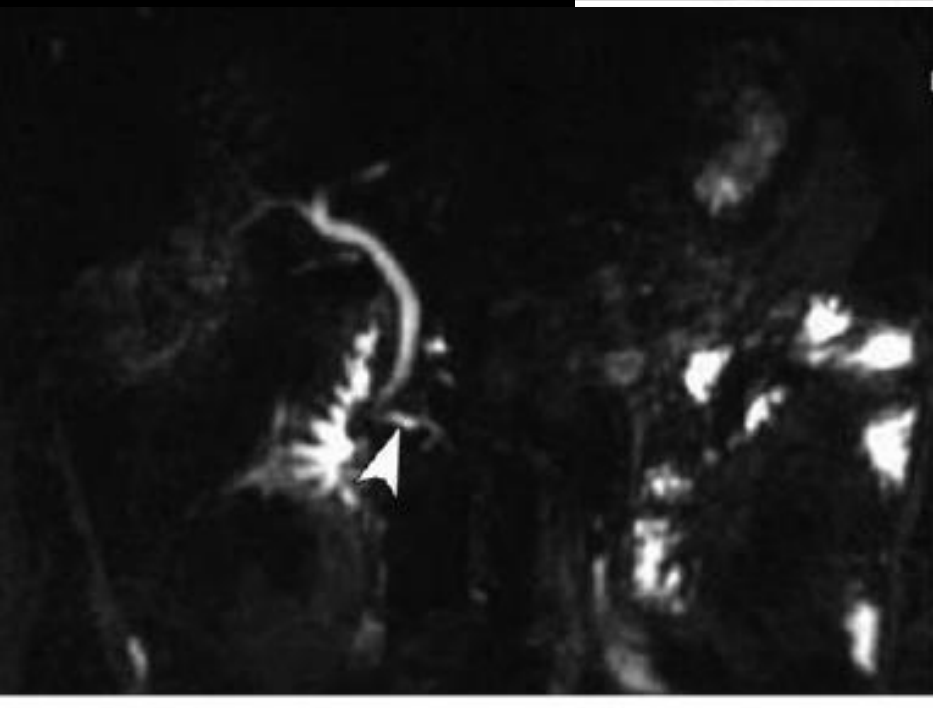
Case 18. 55y/o, male, abdominal pain, fever, on peritoneal dialysis Non enhanced CT



Case 18

Sclerosing encapsulating peritonitis

Case 19



Case 19

- 2分
- pancreatitis secondary to (complete) pancreas divisum
- 1分
- (complete) pancreas divisum
- 0分
- pancreatitis

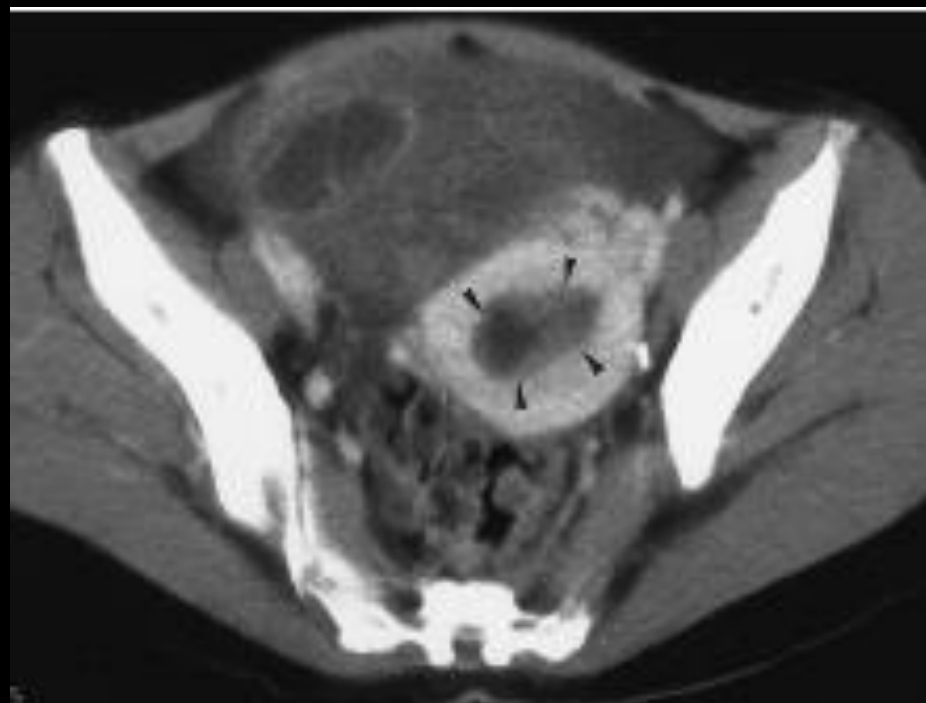
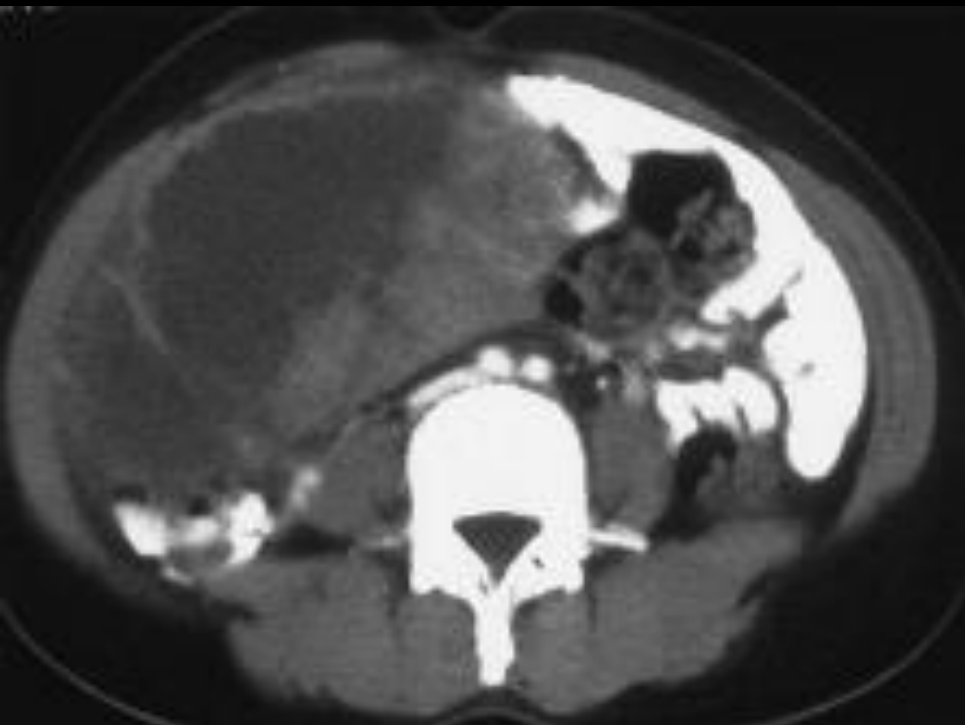
Case 20.



Case 20

Pseudomyxoma peritonei

Case 21.



Case 21

- 2分
- Endometrioid carcinoma of the ovary and endometrial carcinoma
- 1分
- Endometrioid carcinoma of the ovary
- 1分
- endometrial carcinoma

Case 22.



Case 22

Crohn's disease

Case 23. 37 y/o male

left wrist pain after trauma



L

Case 23

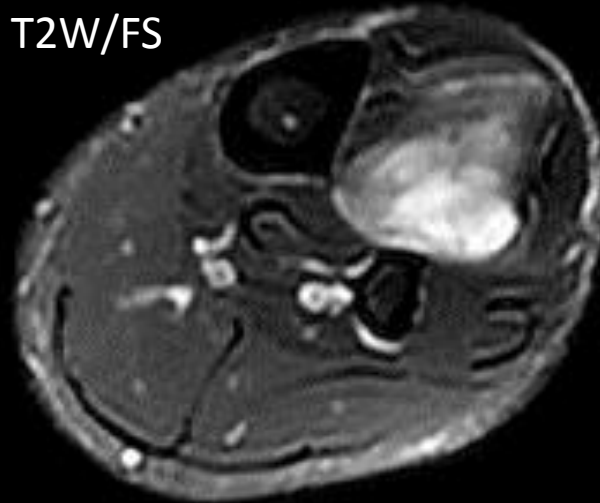
- Diagnosis: lunate dislocation

Case 24.
27 y/o male,
palpable mass

T1W



T2W/FS



T1W/FS/C+



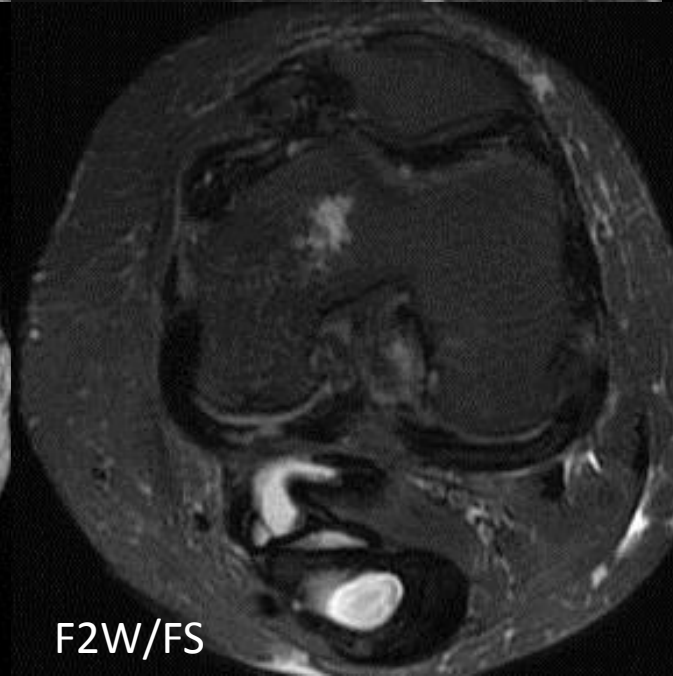
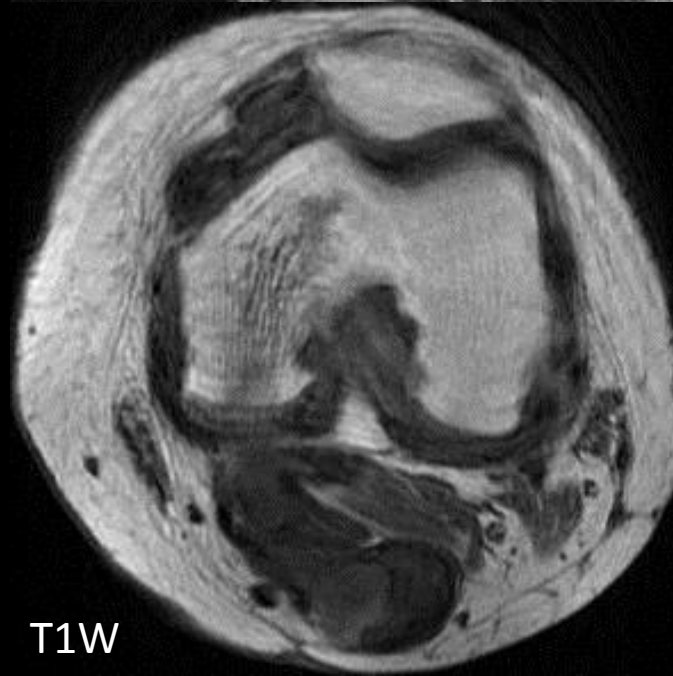
T1W/FS/C+



Case 24

- Diagnosis: (myxoid) liposarcoma

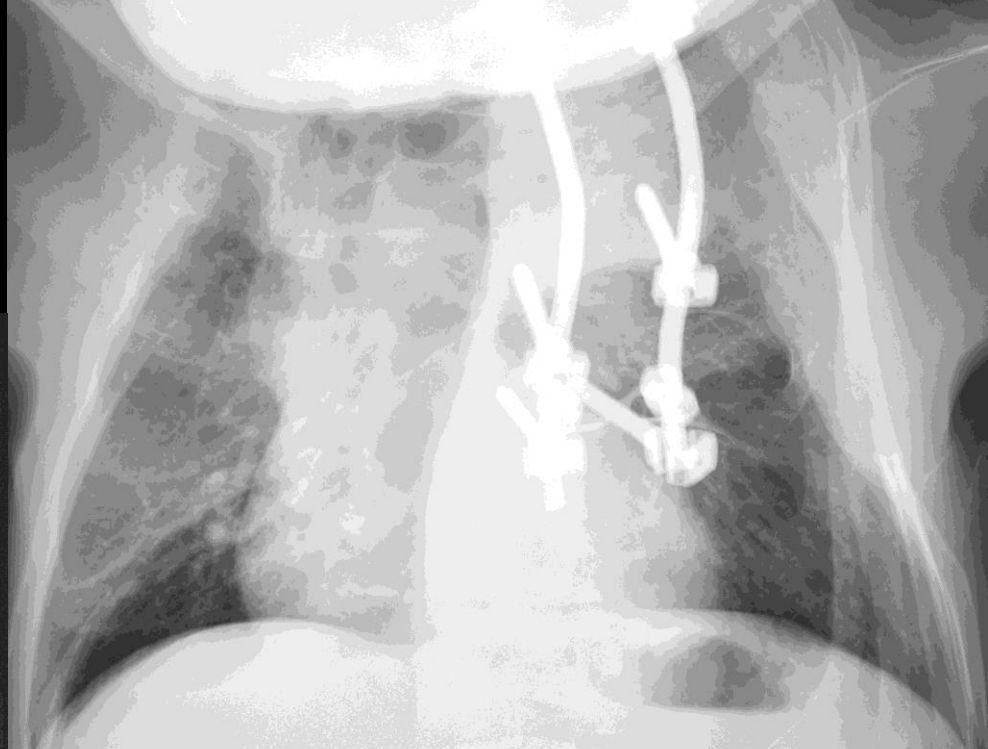
Case 25.
68 y/o female
joint pain,
swelling for
months



Case 25

- Diagnosis: pigmented villonodular synovitis (PVNS)

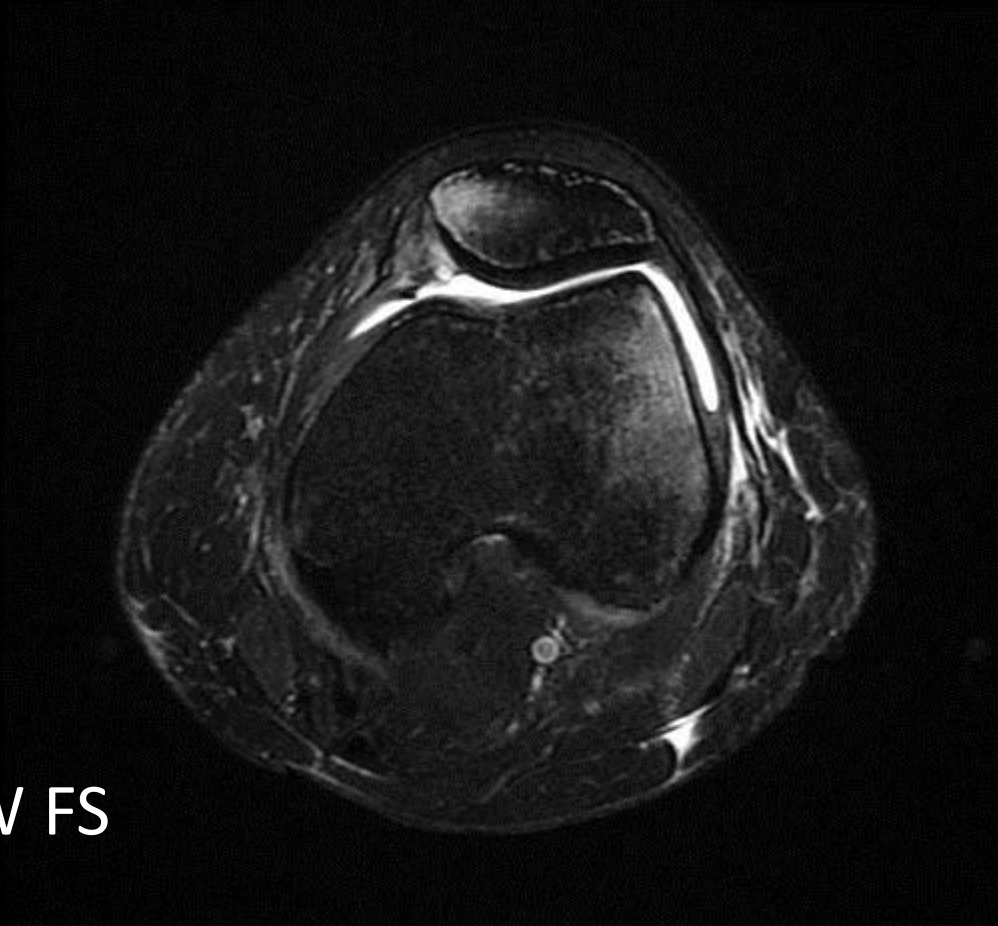
Case 26.



Case 26

- Polyostotic fibrous dysplasia
(Albright's syndrome)

Case 27. A 23y/o female
TMA 1 month ago
persistent knee pain



T2W FS

Case 27

- Transient dislocation of patella

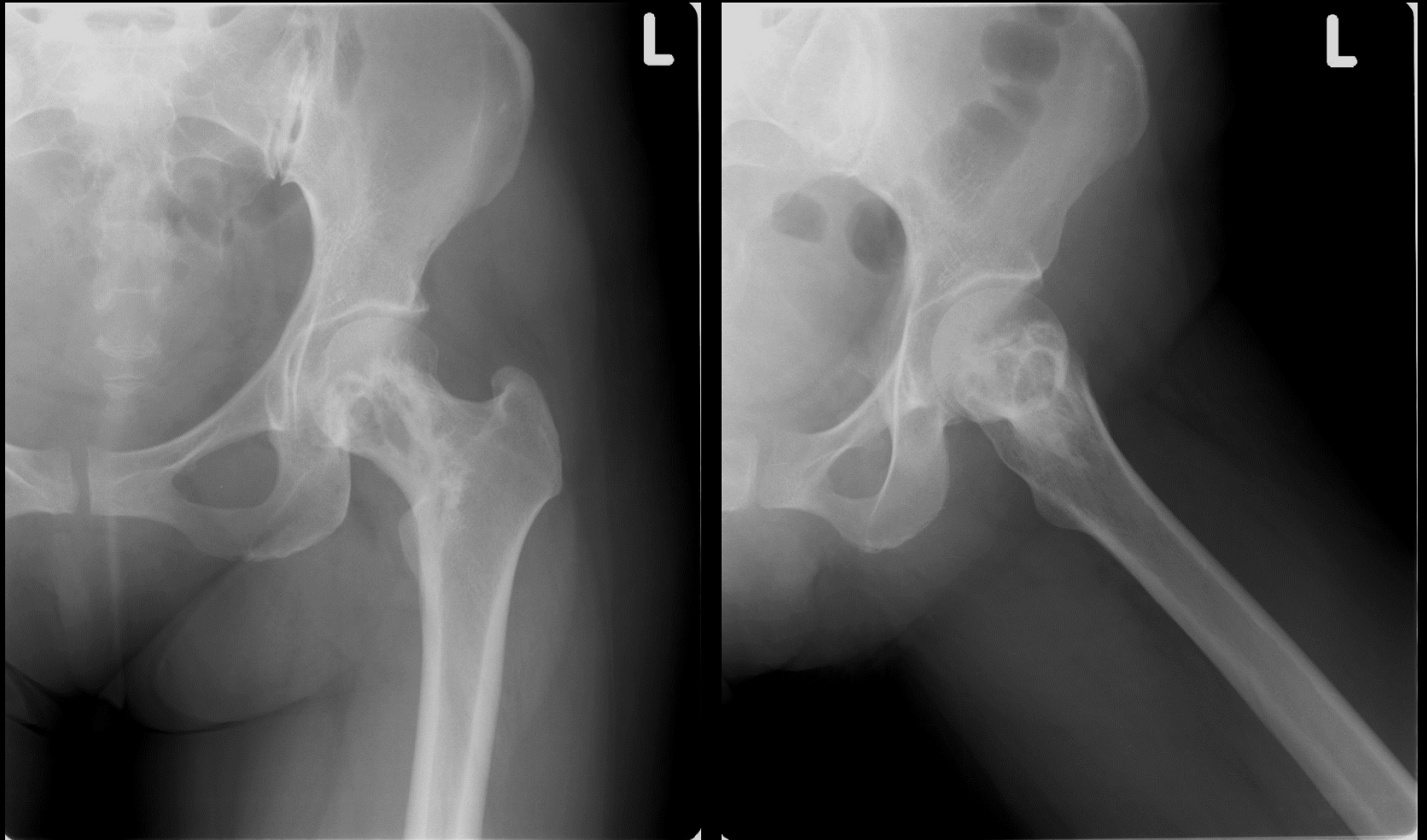
Case 28. 67 y/o female
right heel pain for 2 years



Case 28

- Haglund's deformity
- Calcified tendinosis of Achilles tendon

Case 29. 43y/o female
R/O left hip lesion



Case 29

- Fibrous dysplasia

Case 30. 16y/o male

right knee pain for several months



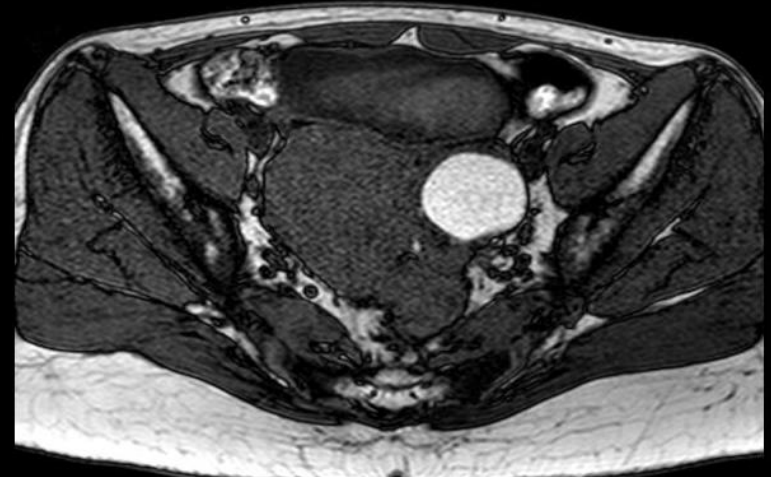
Case 30

- Osteochondritis dissecans

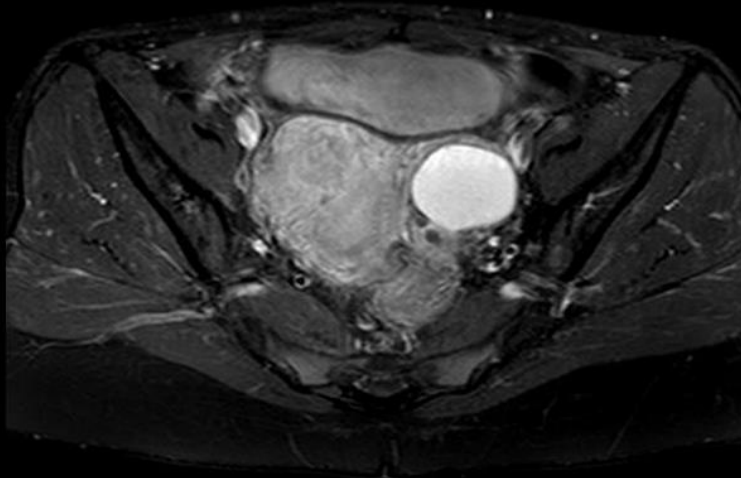
Case 31. 33 y/o, female, dysmenorrhea



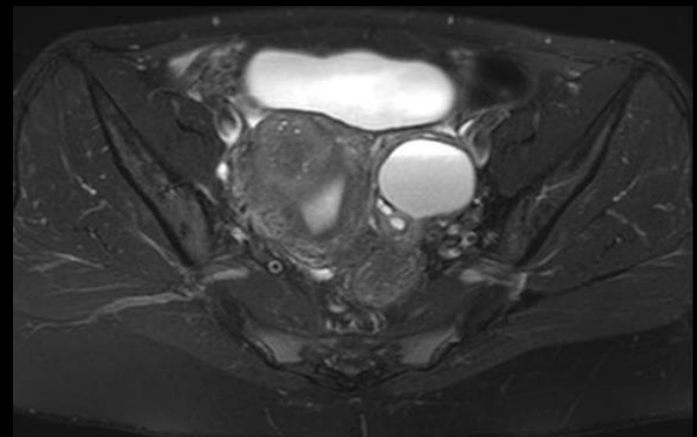
in phase



out phase



T1W+C



T2W

Case 31

Ovarian endometriosis

Case 32. 60 y/o, female, elevated CA199, CA135
at health exam



+C



+C

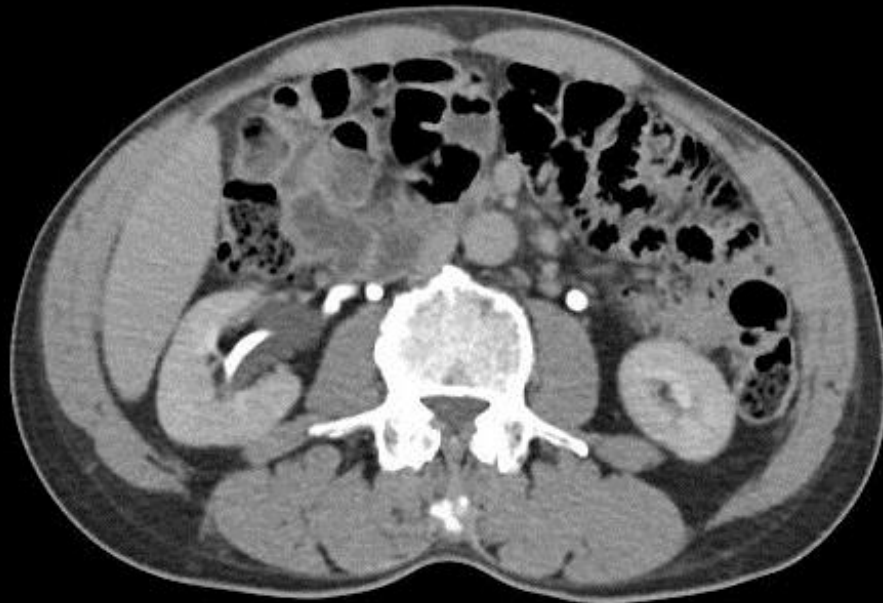


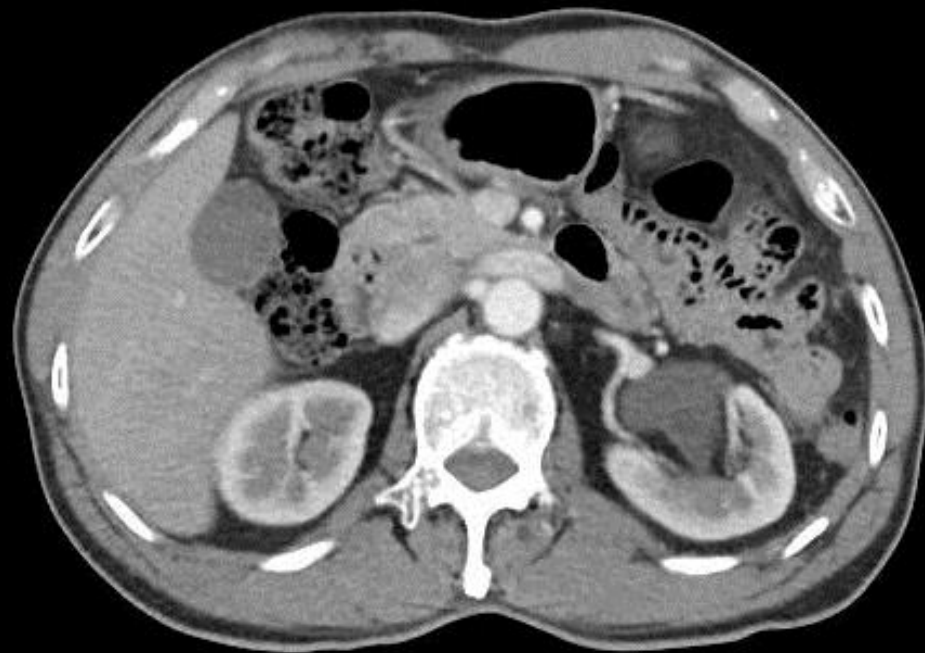
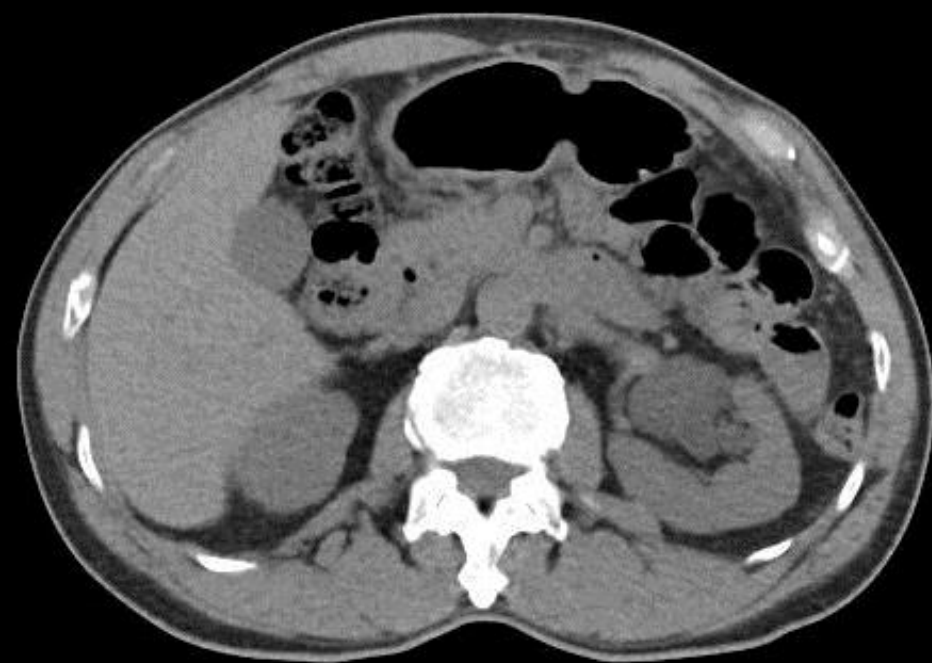
+C

Case 32

Ovarian serous cystadenocarcinoma

Case 33. A 60 y/o male suffered from abdominal pain.





Case 33

- Bilateral renal lymphangiomas
- Bilateral renal lymphangiomatosis

Case 34.
47 y/o female
patient had
complained of
abdominal pain
and sometimes
with hematuria.



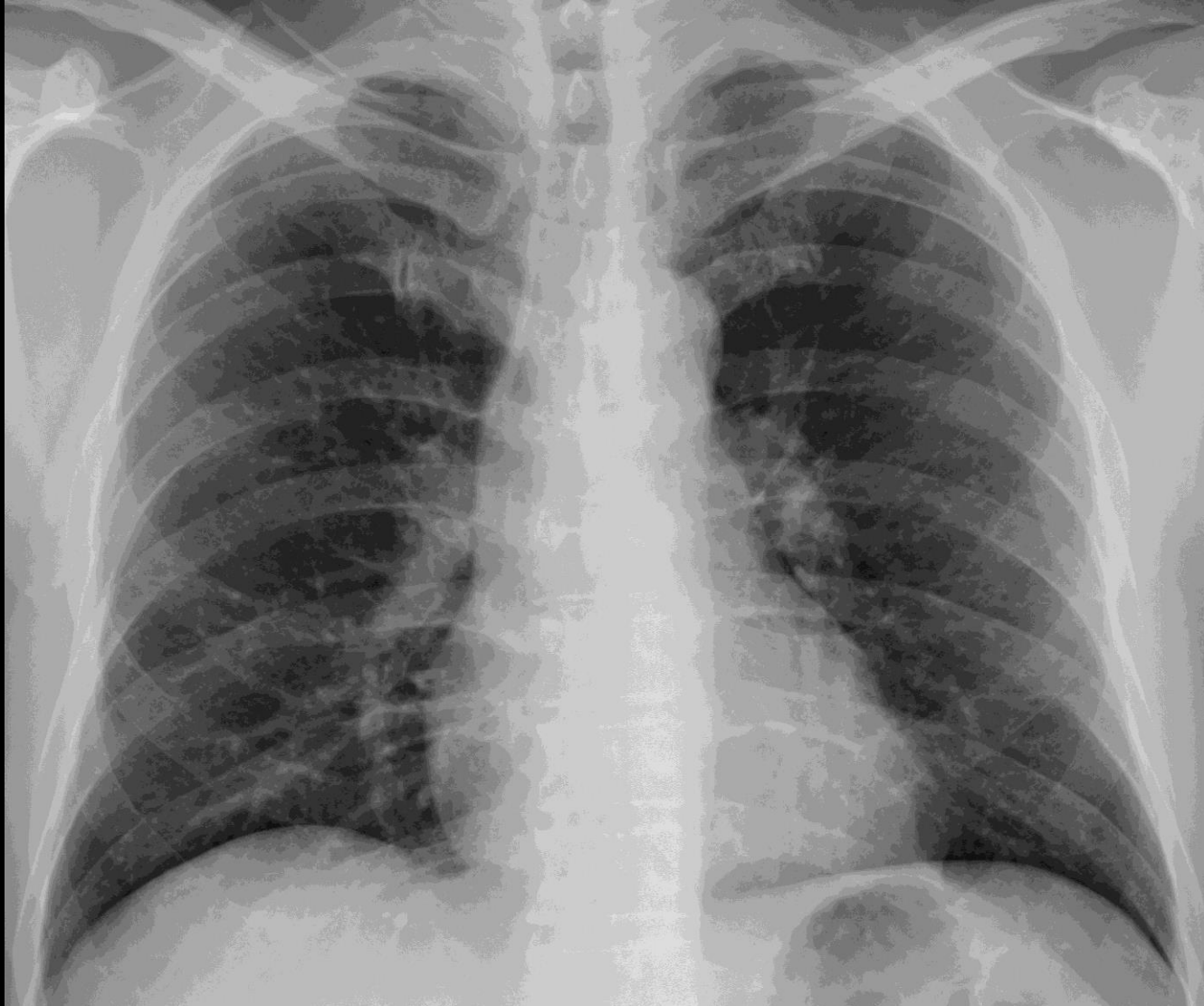


Case 34

- Right ureterocele with stones

Case 35. Male, 61 y/o

Prior history of chest pain



Case 35

- Coronary stent in proximal LAD

Case 36.

Male: 29y/o

Hypertension with irregular control

C.C.: Intractable anterior chest pain



NECT



CECT



Sagittal reformation

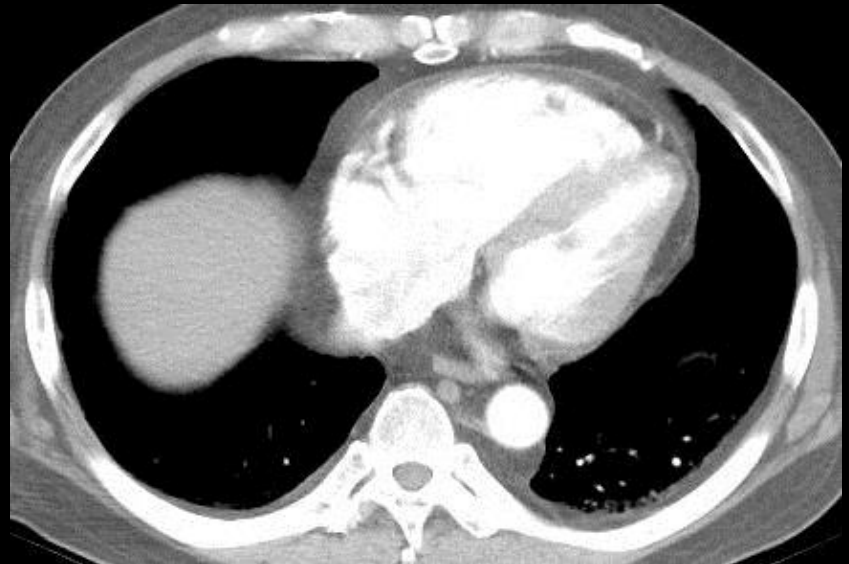
Case 36

- Type A intramural hematoma and aortic dissection

Case 37.

Male: 57 y/o

C.C.: chest oppression and hypotension



Case 37

- Right heart failure (RAE&RVE) resulted from massive pulmonary embolism

Case 38.

Male: 34 y/o , alcoholic

C.C.: Persistent dull abdominal pain for 3 months



NECT



CECT



Coronal MIP

Case 38

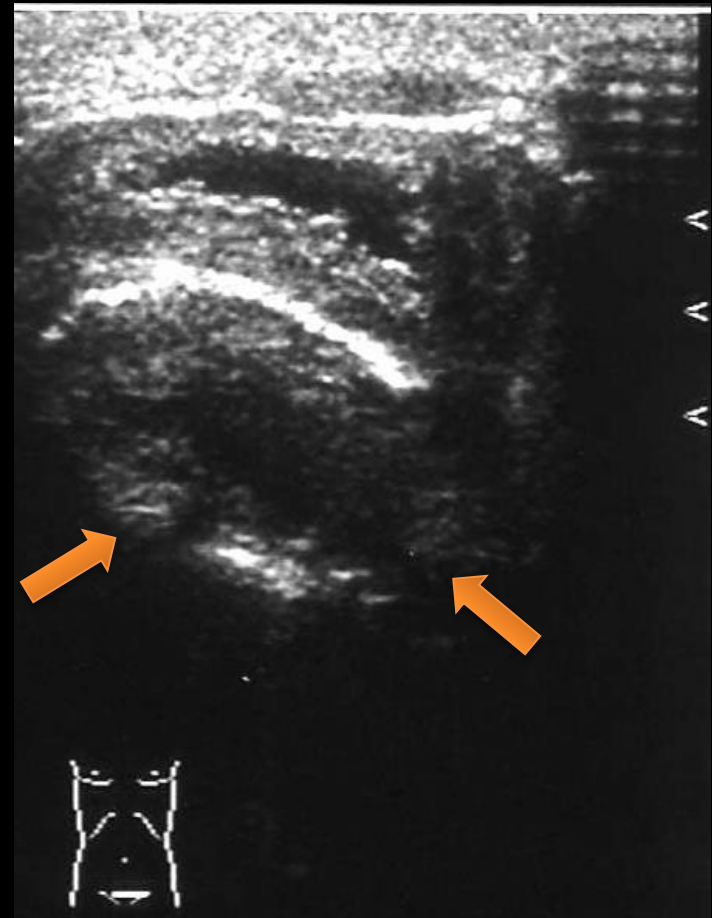
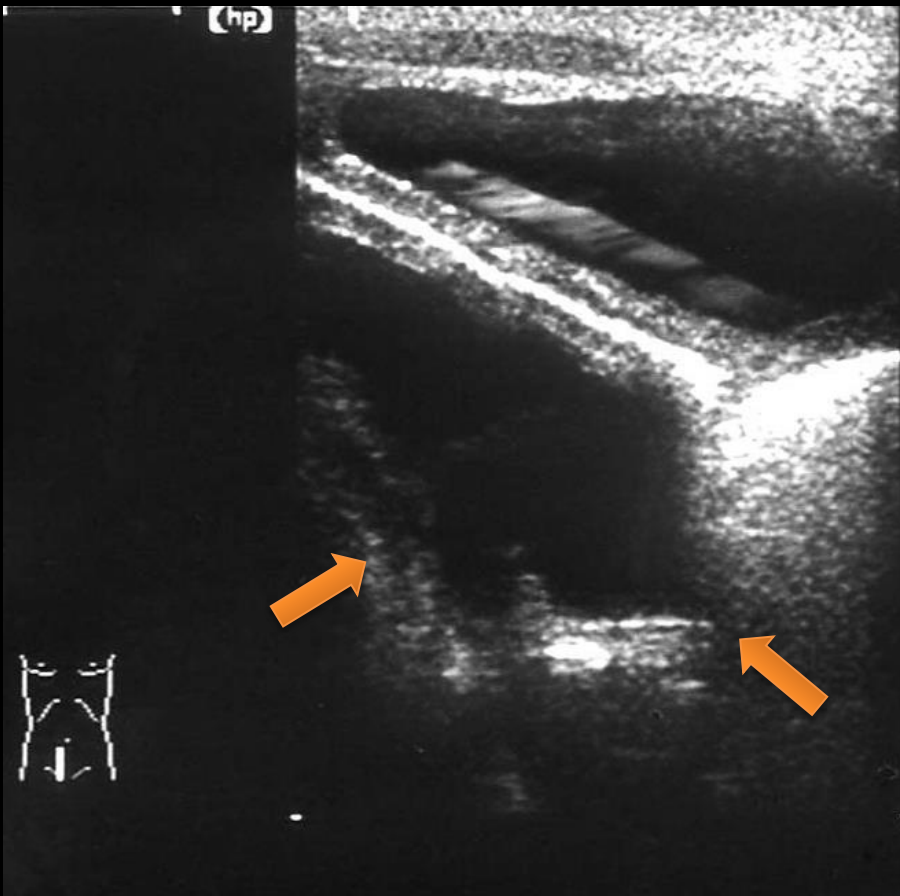
- Gigantic jejunal artery pseudoaneurysm

Case 39.

Newborn, Male

箭頭所示為何種 artifact 造成?

Post Voiding

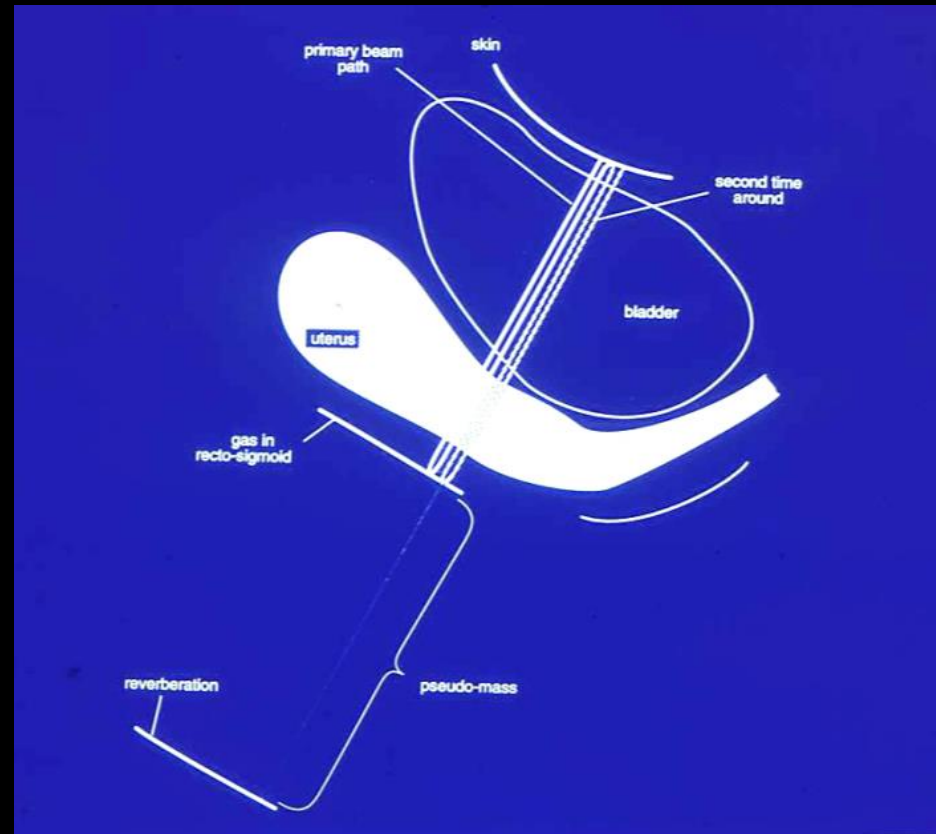


Case 39

- Mirror image artifact or Ghost image

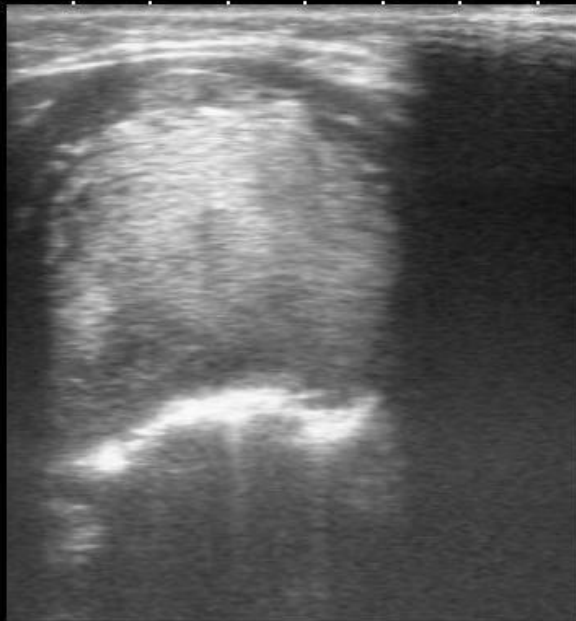
Mirror Image Artifact

- A repeat images of a structures is depicted on the “other side” of a specular reflector and equidistant from it
- “Ghost image” or “Ghost lesion”

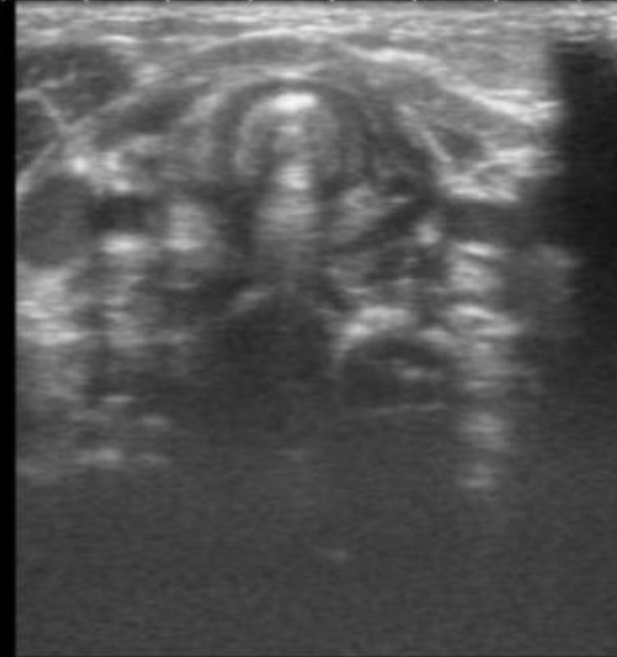


Case 40.

40 days old , Female



MI: (1.5)
2DG
86
DR
65



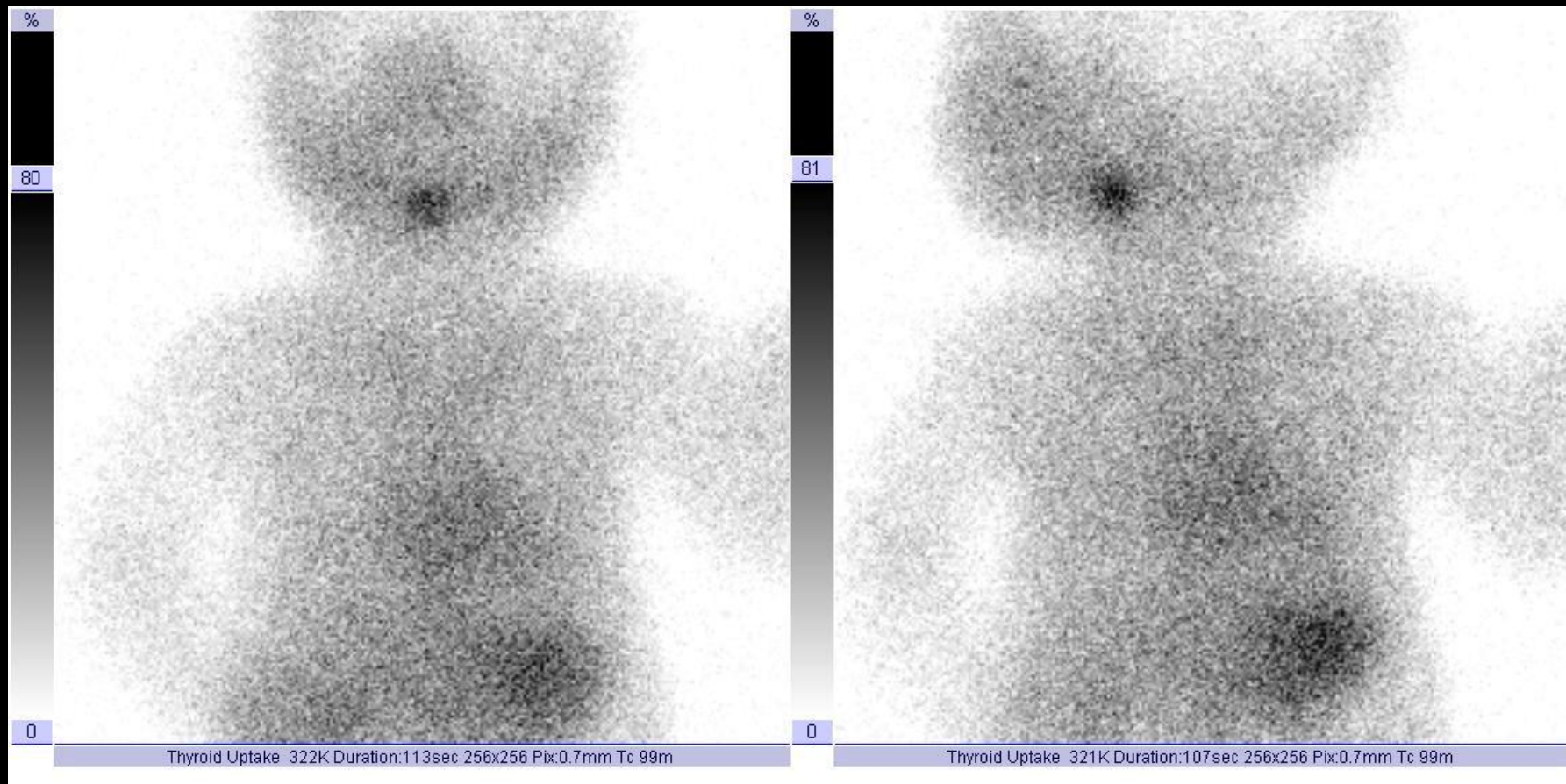
MI: (1.5)
2DG
86
DR
65



Case 40

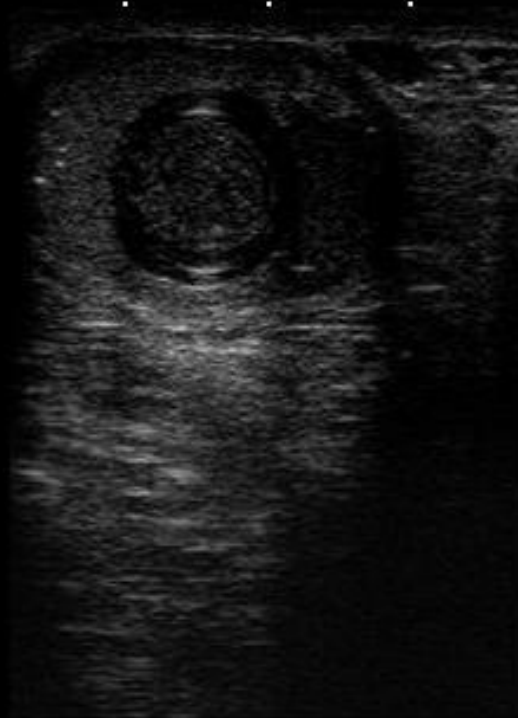
- Sublingual thyroid

Sublingual thyroid



Case 41.

18 years old, Male



T



T

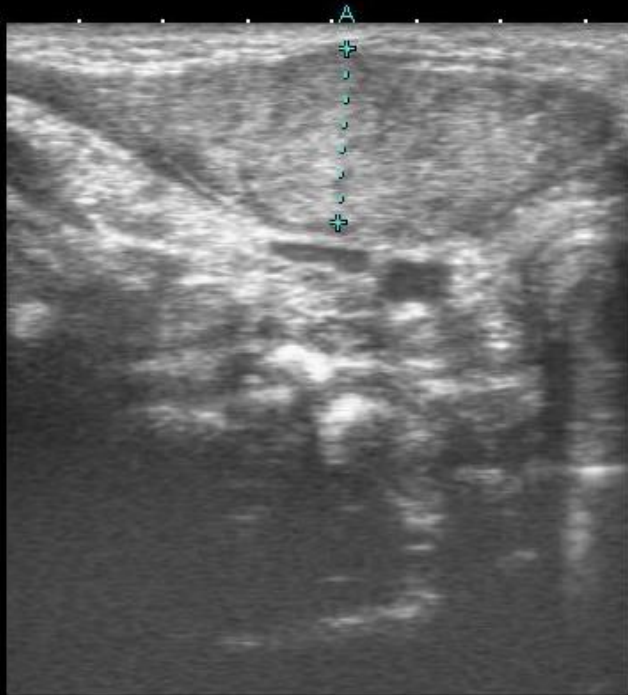


Case 41

- Epidermoid cyst
- Other Findings: microlithiasis

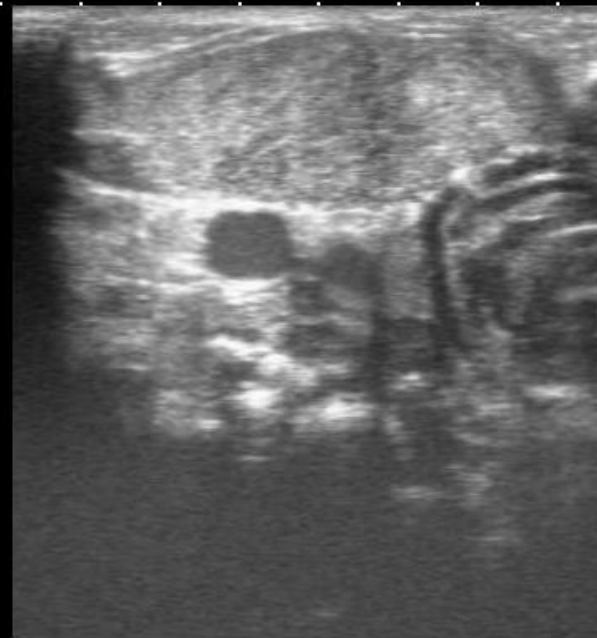
Case 42.

49 days old, Female



T

MI: (1.5
2DI
8
D
6



T

MI: (1
2DI
I



Case 42

- Fibromatosis colli (Torticollis)

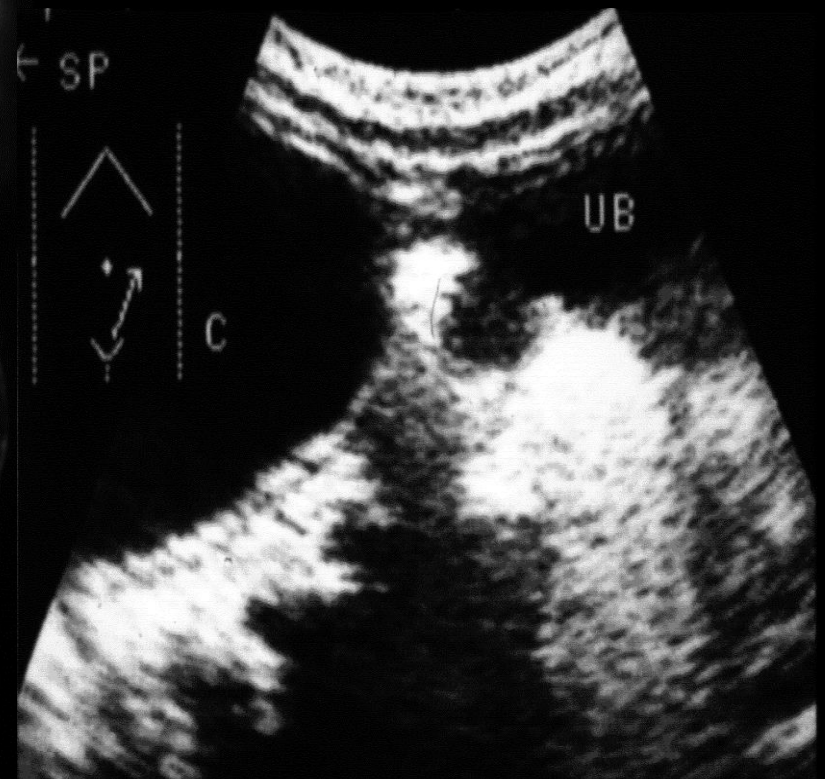
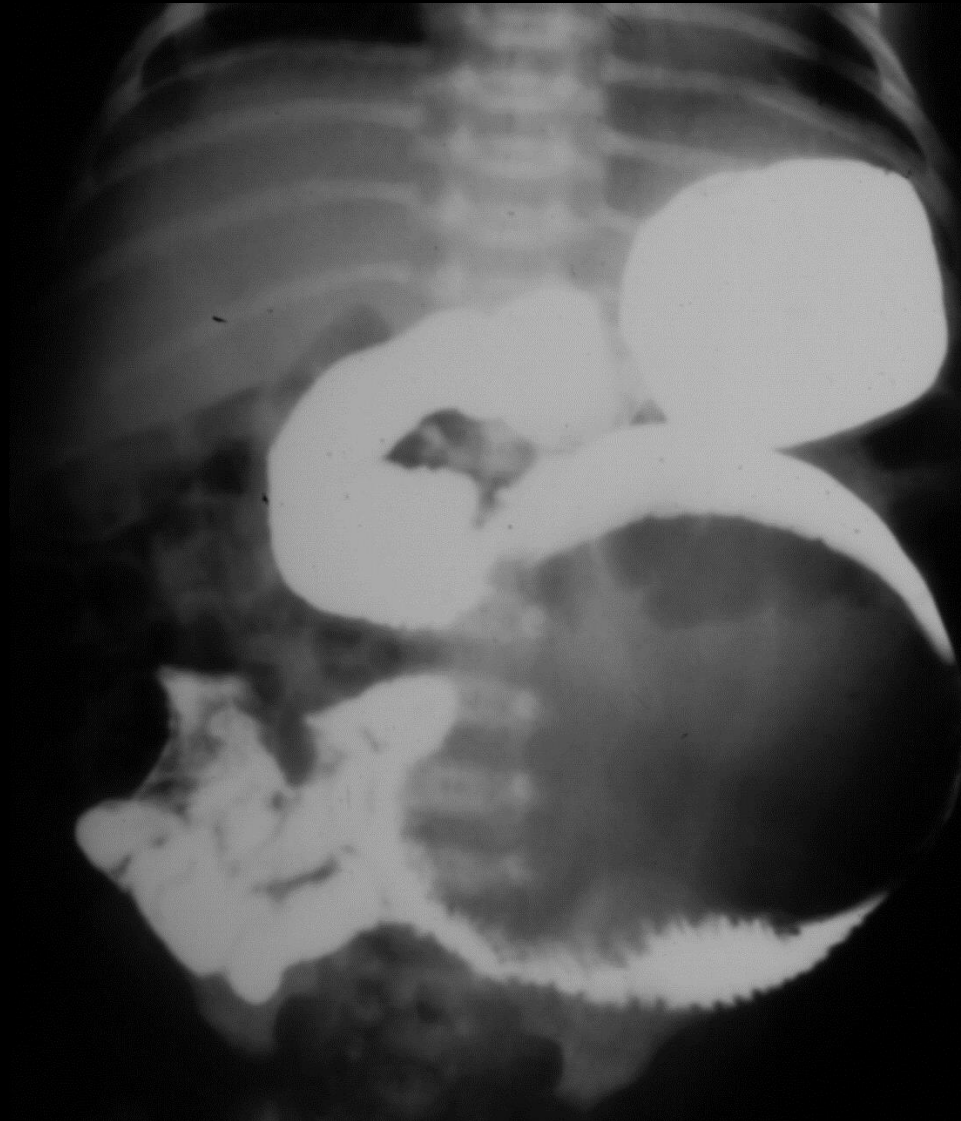
Case 43. Newborn, abdominal distension



Case 43

- **Meconium Peritonitis**

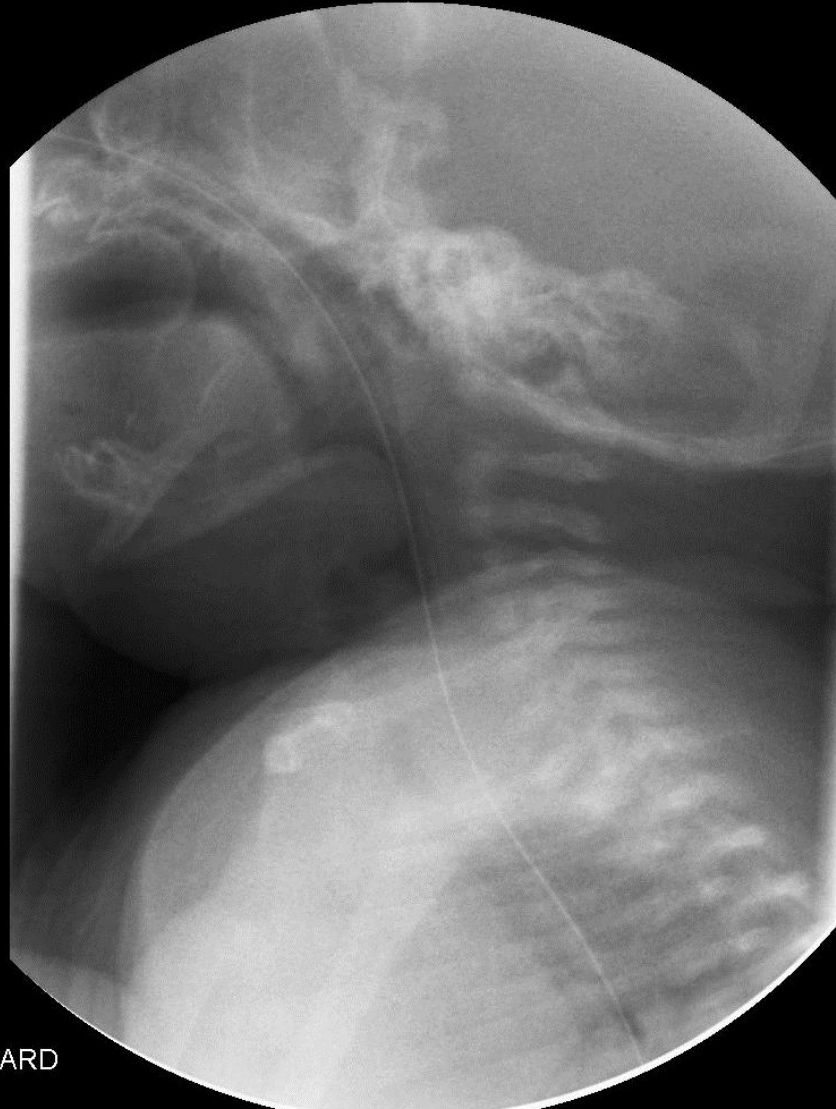
Case 44. 3 days old, vomiting



Case 44

Jejunal Duplication Cyst

Case 45. 17 days old, Male



E

17 days old, Male



Case 45

- Vallecular cyst
- Epiglottic cyst or Laryngeal cyst (給一分)

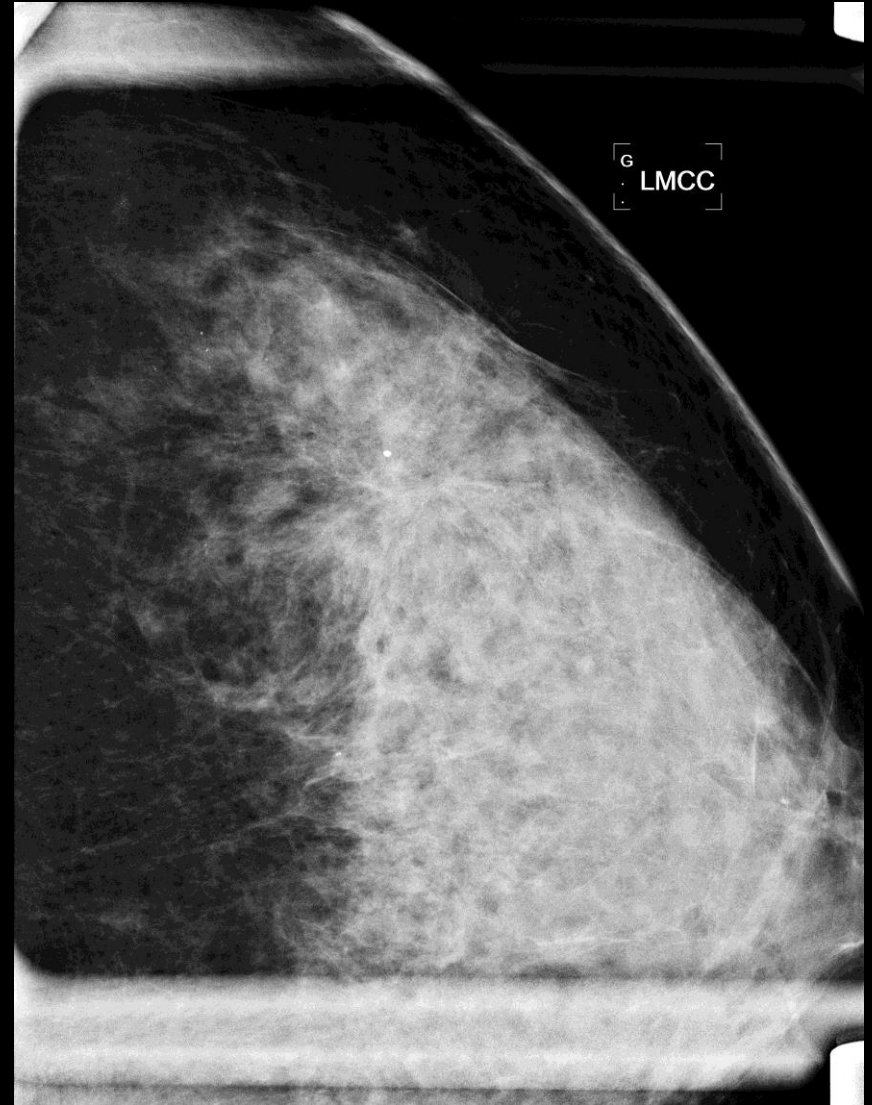
Case 46. 2 days old, Female



Case 46

- Sacrococcygeal teratoma

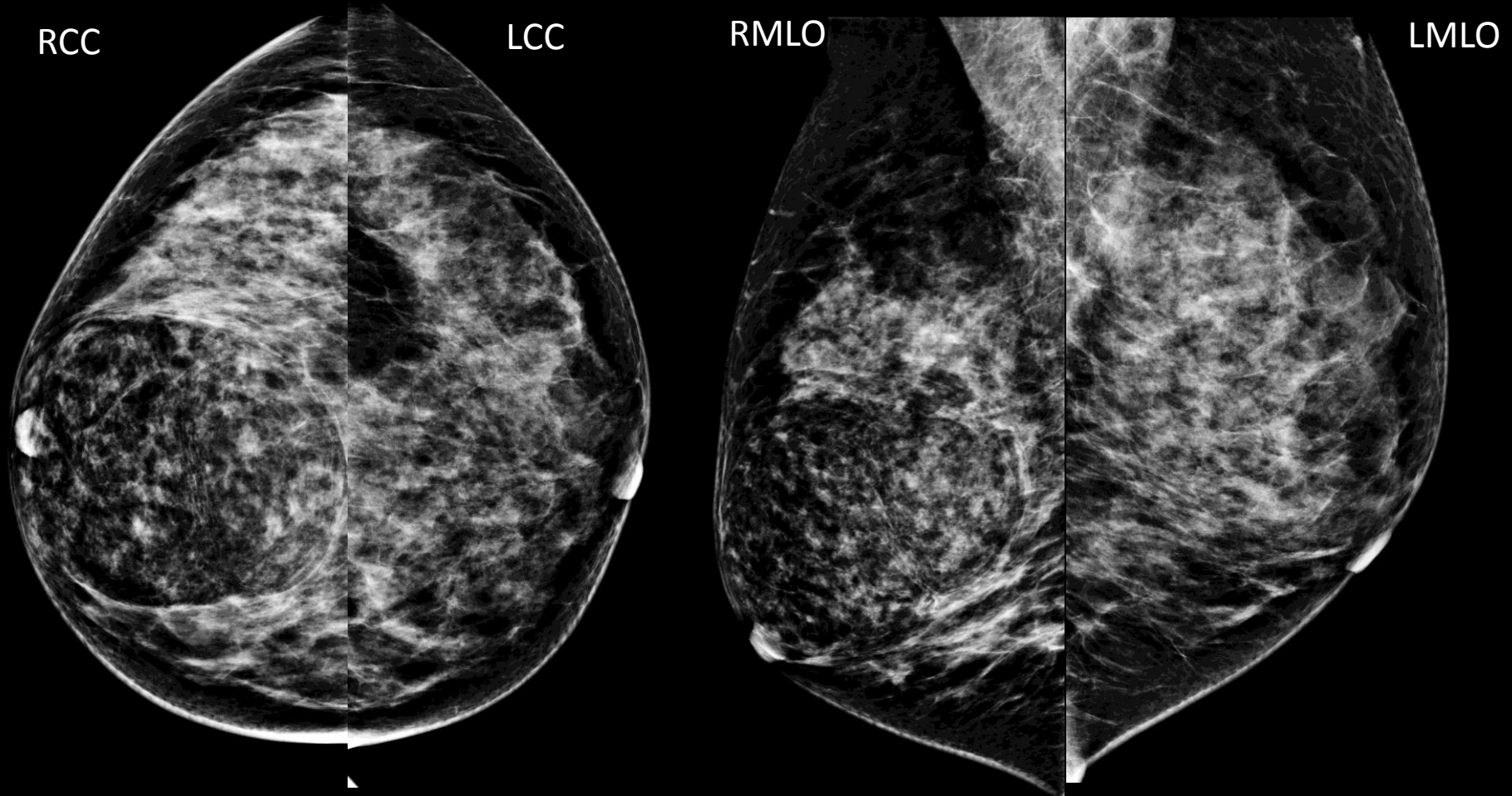
Case 47. 53 y/o, screening



Case 47

- invasive ductal carcinoma

Case 48. 48 y/o female, screening

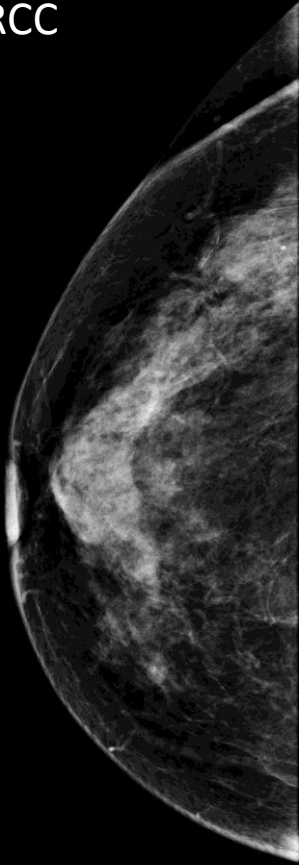


Case 48

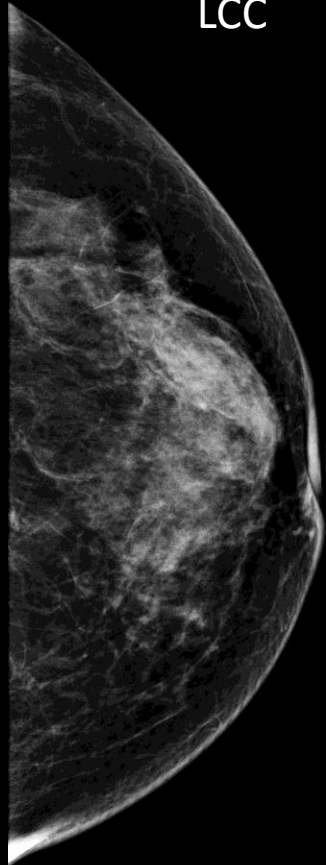
- Lipoma at the right breast

Case 49. 56 y/o Female

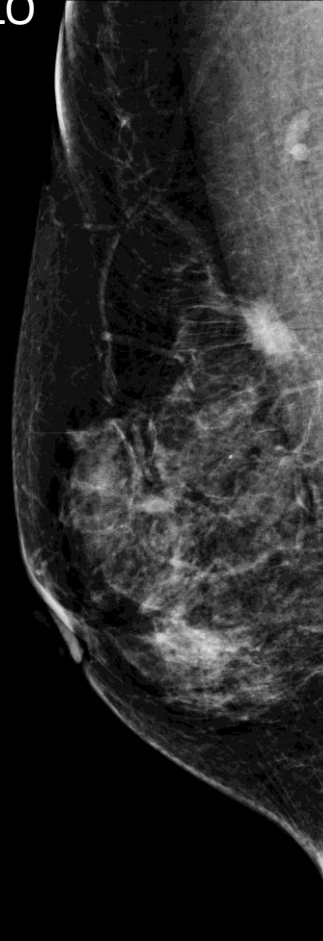
RCC



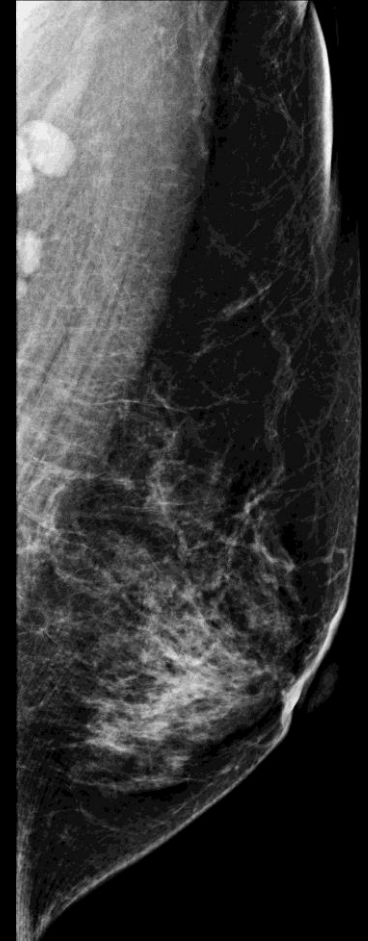
LCC



RMLO



LMLO

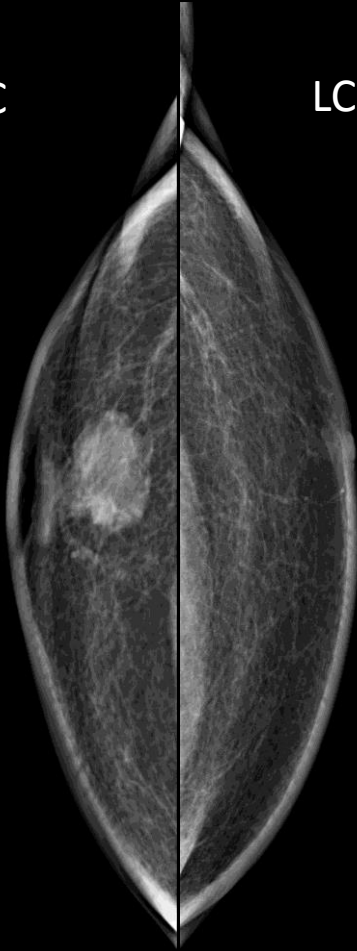


Case 49

- invasive ductal carcinoma in right breast

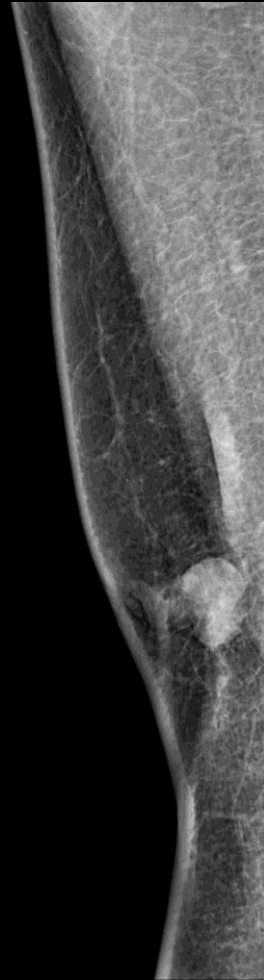
Case 50. 54 y/o male

RCC



LCC

RMLO



LMLO



Case 50

- Invasive carcinoma at the right breast
[pathology: invasive carcinoma of no special type (99 %), grade II , and ductal carcinoma in situ (1 %)]