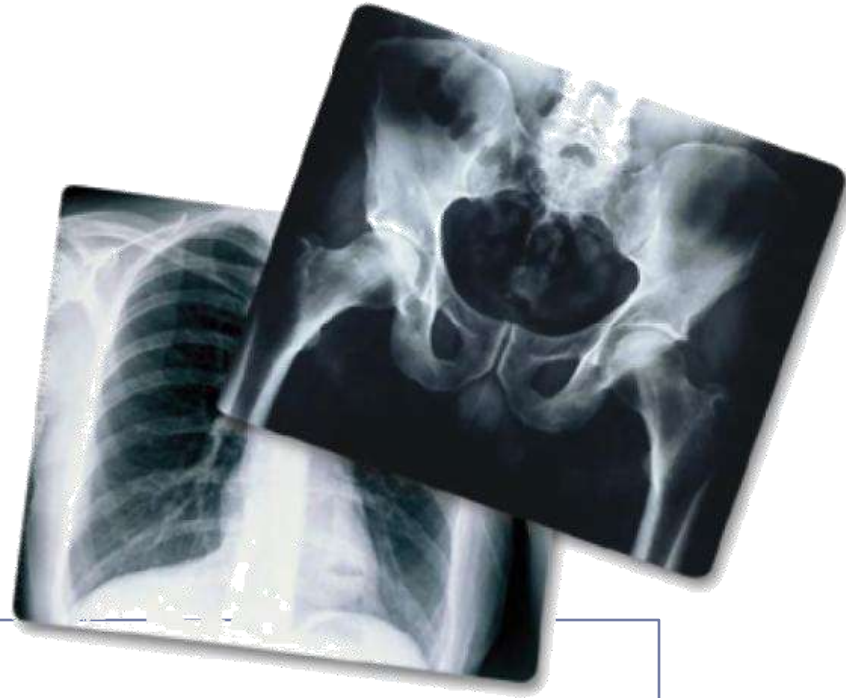




RADIOLOGY DEPARTMENT

Faculty of Medicine

Sohag University



Radiology Cases Quiz

2022

Dr. Ahmad Mokhtar Abodahab – MD

BASICS of RADIOLOGY

For Medical Students & house officers

1 st Day – 18 May 2022				
Introduction To Imaging Modalities	10	11	Session 1	Dr. Ahmad Mokhtar
Basics of GIT Imaging	11	12		Dr. AbdelRahman Foda
Break	12	12.15		
Basics of Chest Imaging	12.15	1	Session 2	Dr. Ahmad Mokhtar
Basics of UT Imaging	1	1.30		Dr. Ebtesam AbdelBarey
Open Discussion	1.30	2.00		Dr. Ahmad Mokhtar

2 nd Day – 19 May 2022				
Basics of Brain Imaging	10	11	Session 1	Dr. Ahmad Mokhtar
Basics of MSK Imaging	11	12		Dr. Mohammed Ezzeddin
Break	12	12.15		
Imaging of Poly traumatized Patient	12.15	1	Session 2	Dr. Ahmad Mokhtar
Quiz Cases	1	1.30		Dr. Ahmad Mokhtar
Open Discussion	1.30	2		Dr. A. Mokhtar - Dr. M. Ezzeddin

Scientific coordinator

Dr. Ahmad Mokhtar Abodahab.

Head of Department

Prof. Mohammed Zaki

Don't Forget

► In your answer of any radiological case , Mention :

- ✓ **Side** (*Rt or Lt*)or *bilateral*
- ✓ **Site**
- ✓ **Description**
- ✓ **Diagnosis** (*Provisional or Final*)



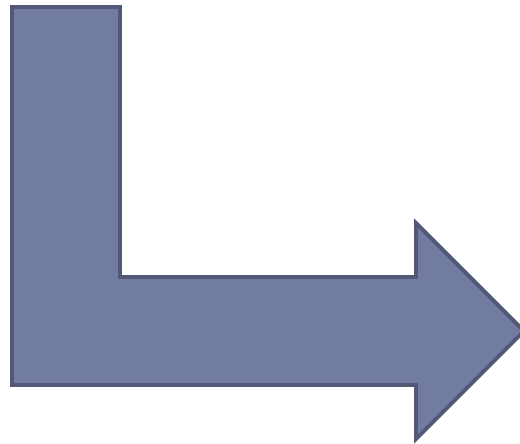


CASE DISCUSSION



CASE I

- ▶ Female , 43 y
- ▶ **Rt hypochondrial Pain**



Abd. US

Pressure 4.0cmH₂O

HC1

40T5.0

21.5%

G100

DR:45

A.4

P.1



4.178

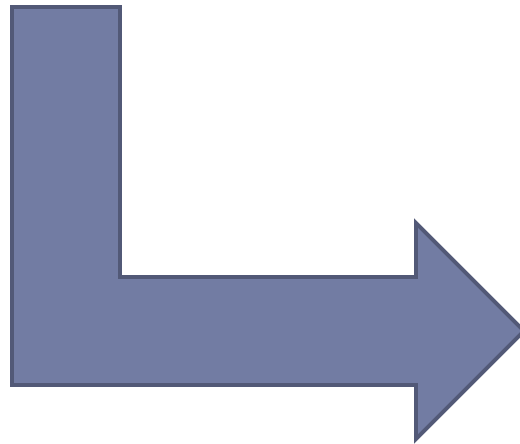
GB Stone

4 F



CASE 2

- ▶ Male , 48 y , Hypertensive
- ▶ **Sudden Headache , BP 175/110**



CT Brain



I.V. Hemorrhage

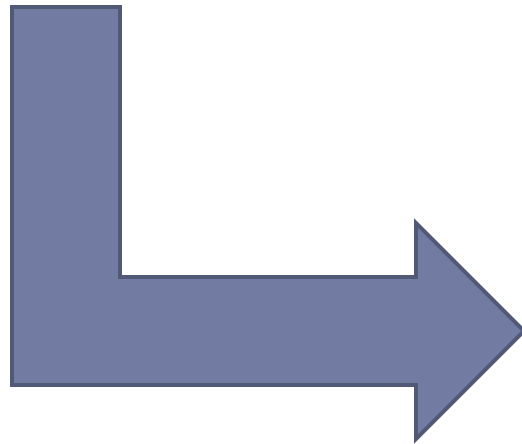
DON'T FORGET

FRESH BLOOD IN CT IS HYPERDENSE

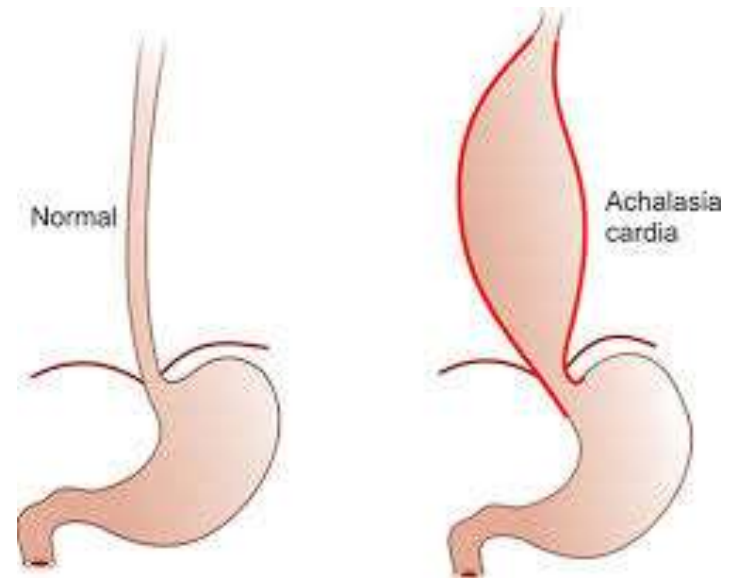


CASE 3

- ▶ Male , 44 y , Persistent Dysphagia & Regurgitation of Food



Br. Swallow

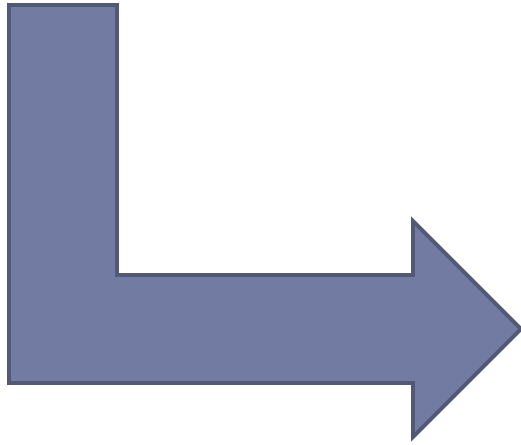


Achalasia

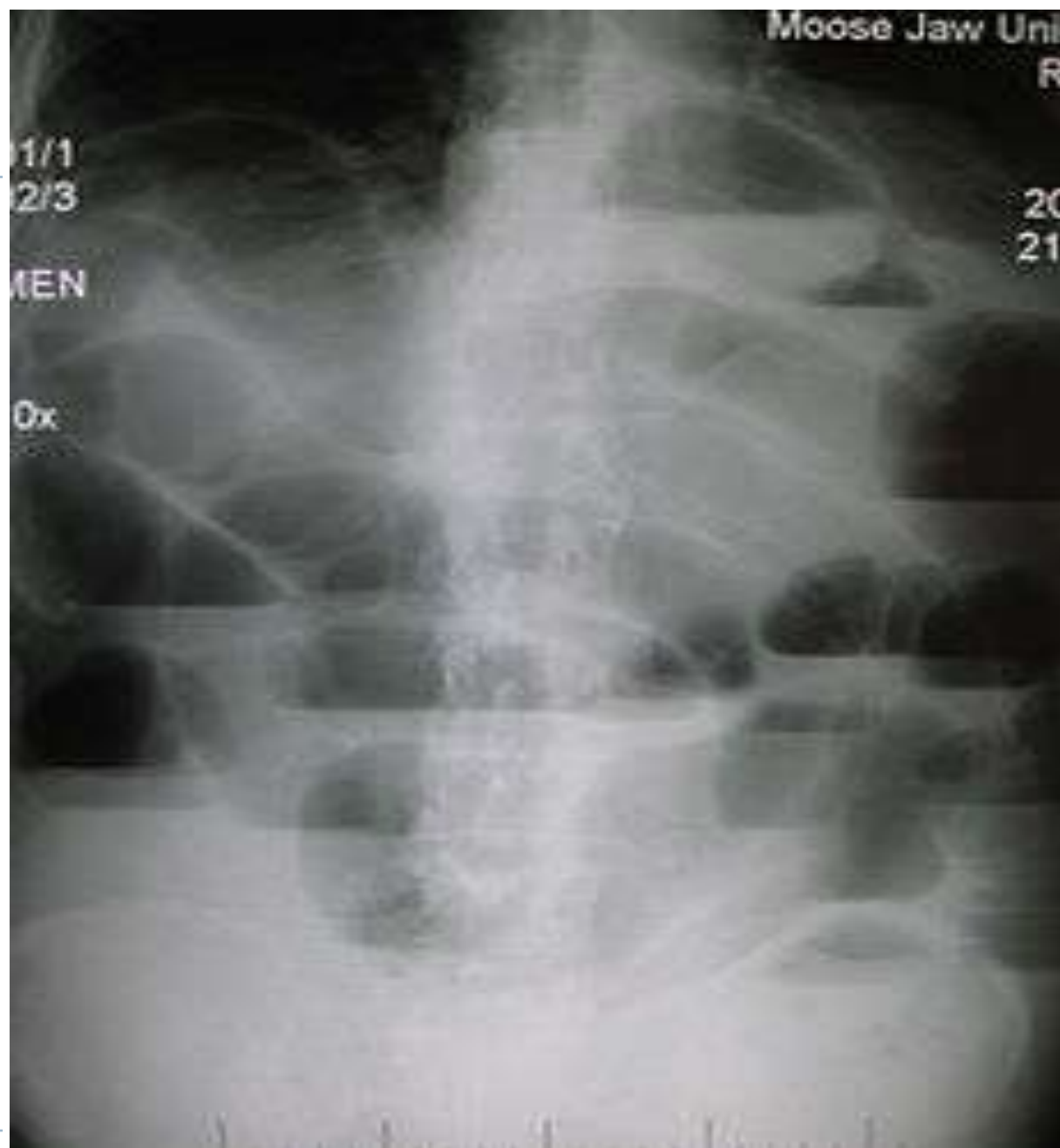


CASE 4

- ▶ Male , 65 y ,Absolute Constipation &
Abdominal Pain ,Vomiting

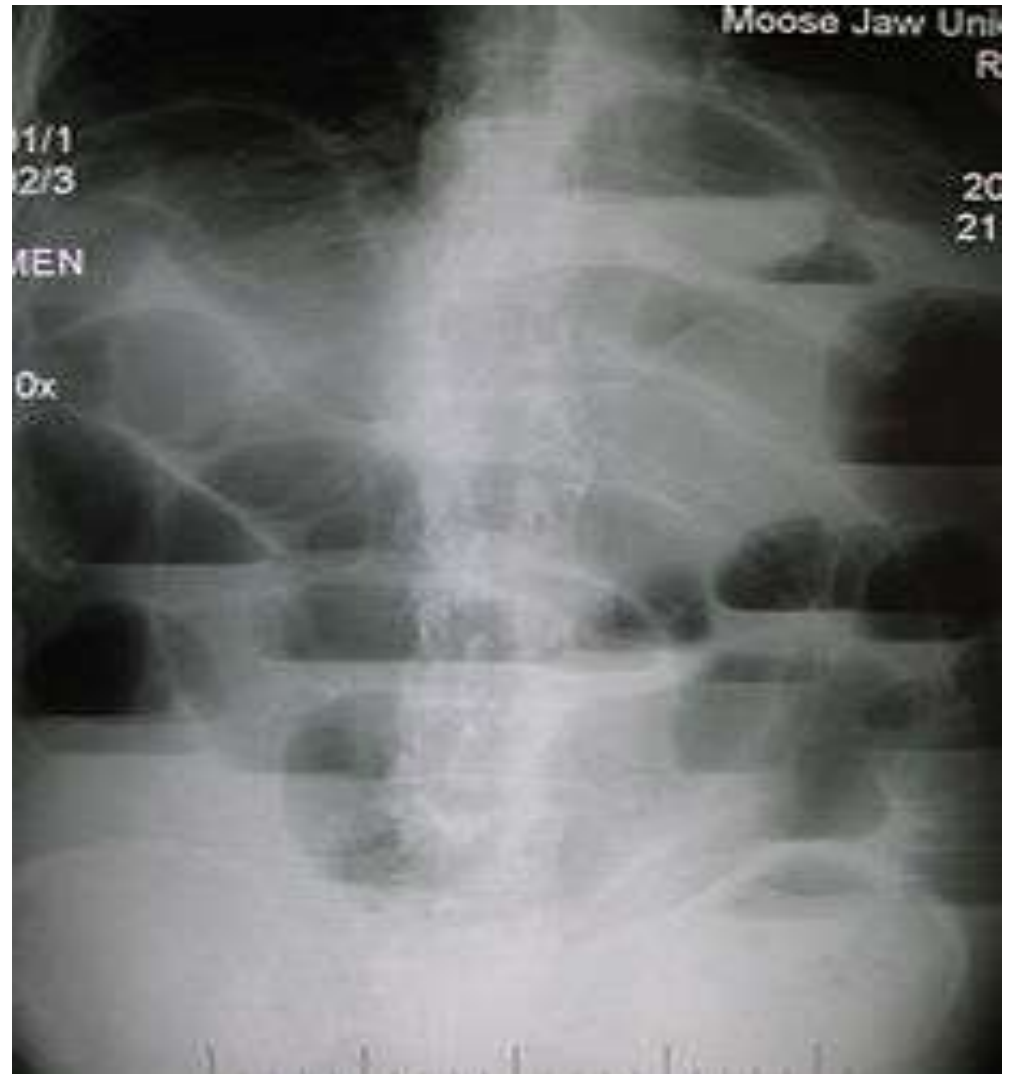


ABD. US
Abd. X Ray Erect



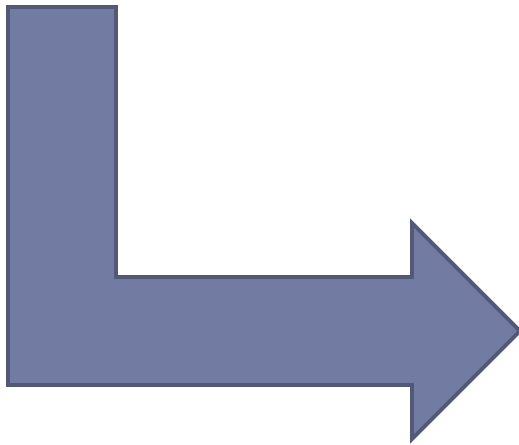
Intestinal Obstruction

- ▶ **X ray Abdomen**
(Erect Position)
- ▶ Multiple air fluid levels.



CASE 5

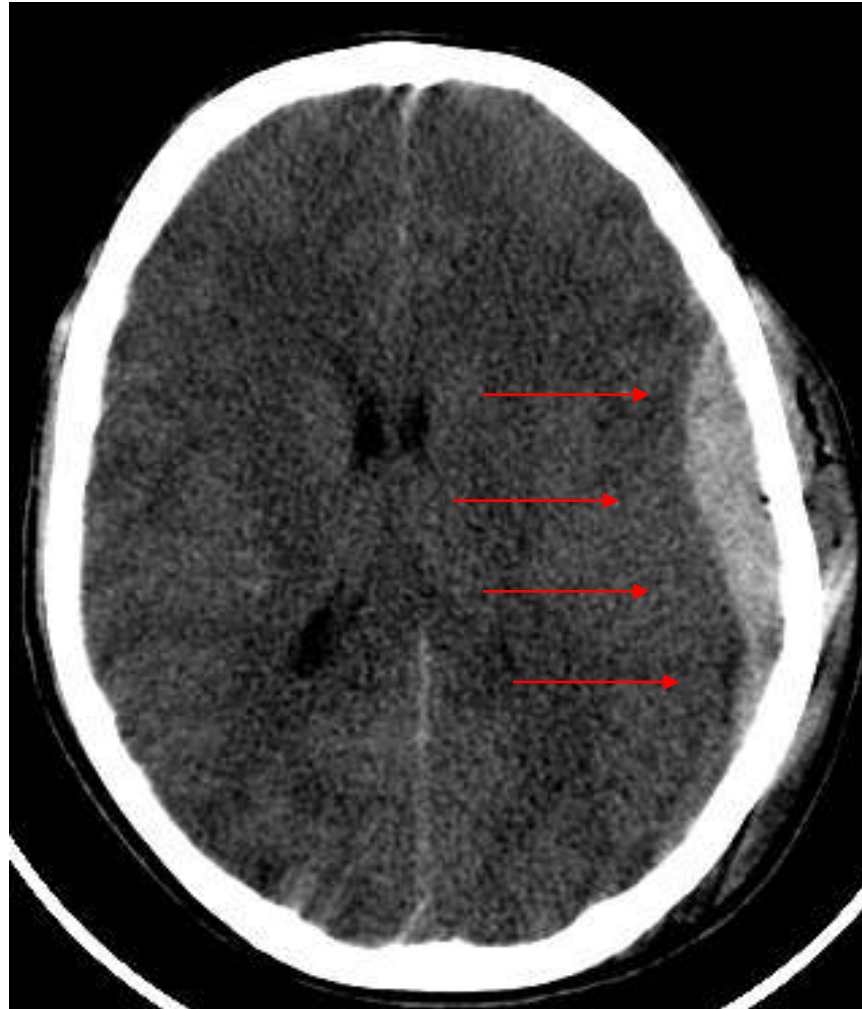
- ▶ Male , 27 y , Falling from height
- ▶ Head Injury , Tender Abdomen



ABD. US
CT Brain



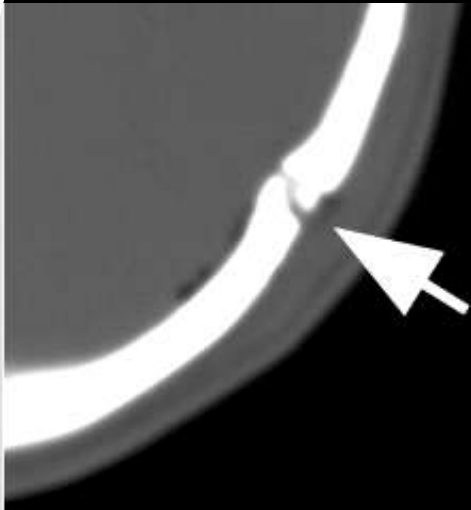
Lt parietal **Extra dural Hematoma**



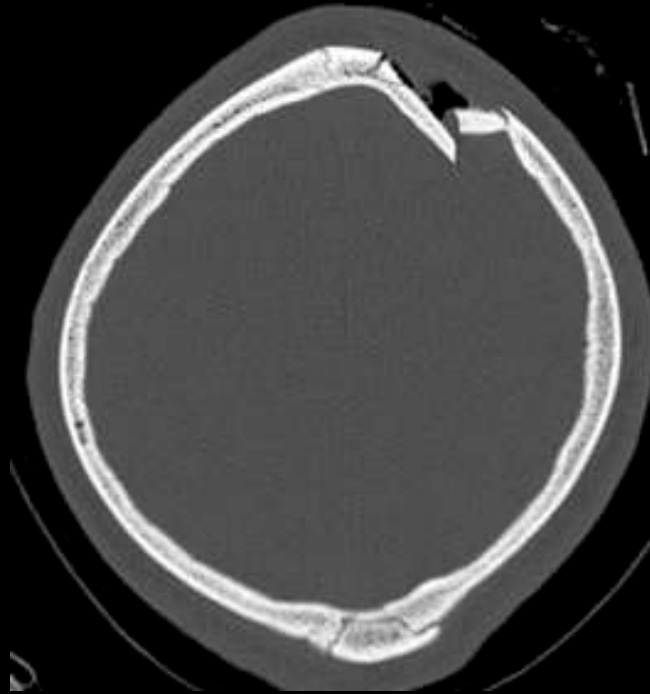
► NB. Extra axial = Outside brain tissue

Skull Fractures

Fissure



Depressed

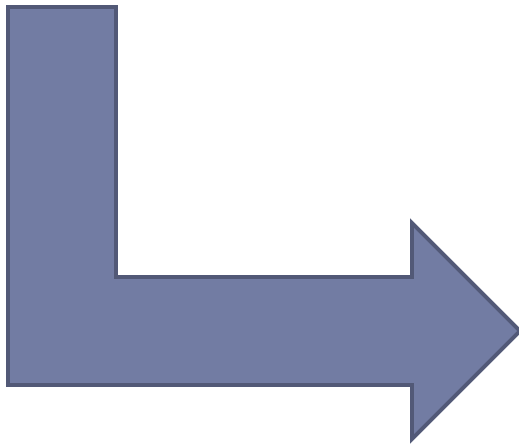


Comminuted



CASE 6

- ▶ Male , 55 y , Impaired renal Function , Dyspnea

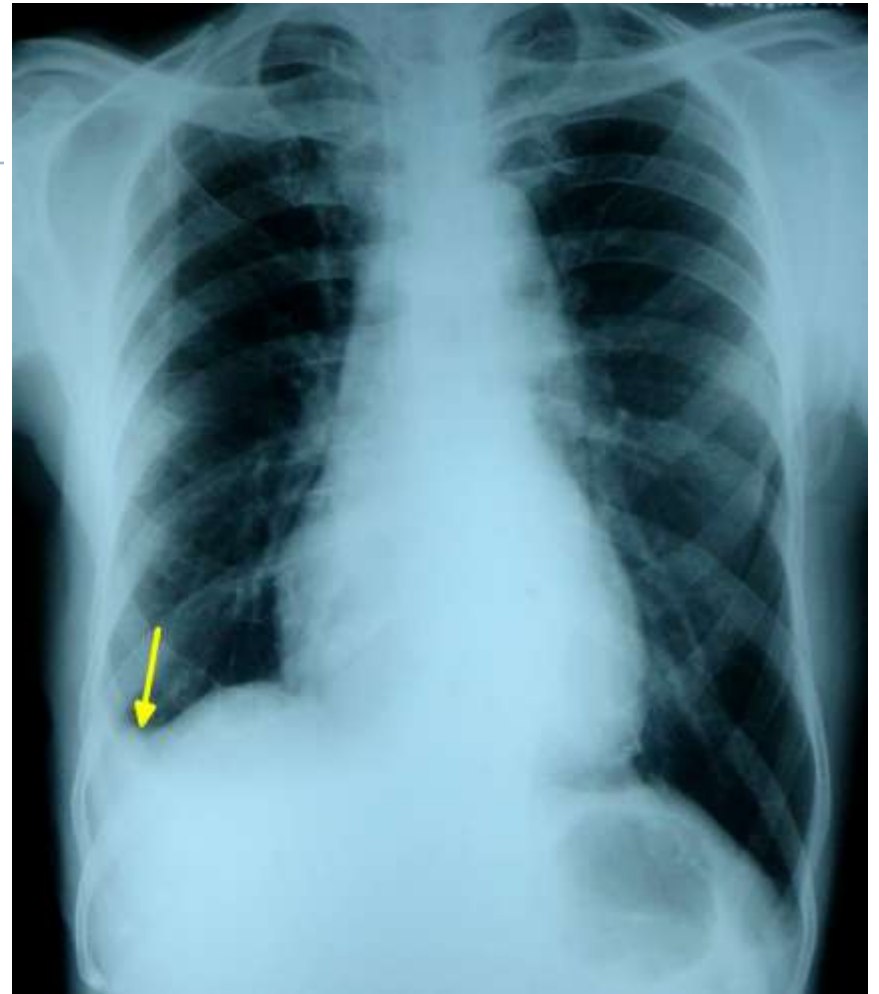


**ABD. US
CXR**



Rt
Pleural Effusion



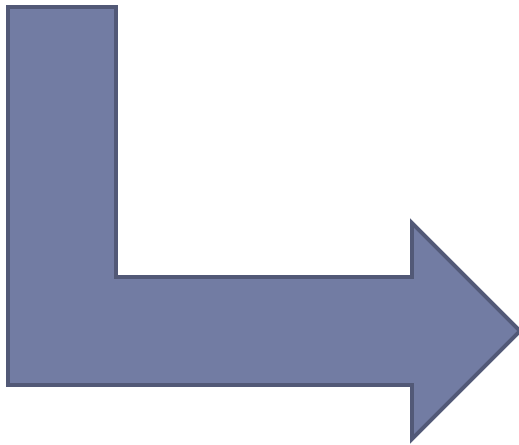


Rt

Pleural Effusion (Considerable & Minimal)

CASE 7

- ▶ Adult Male , Lt hemiplegia , Previous CT brain after onset of symptoms was normal



Follow UP CT Brain



Acute Cerebral Infarction

▶ CT Brain

▶ Recent Lt Hemiplegia

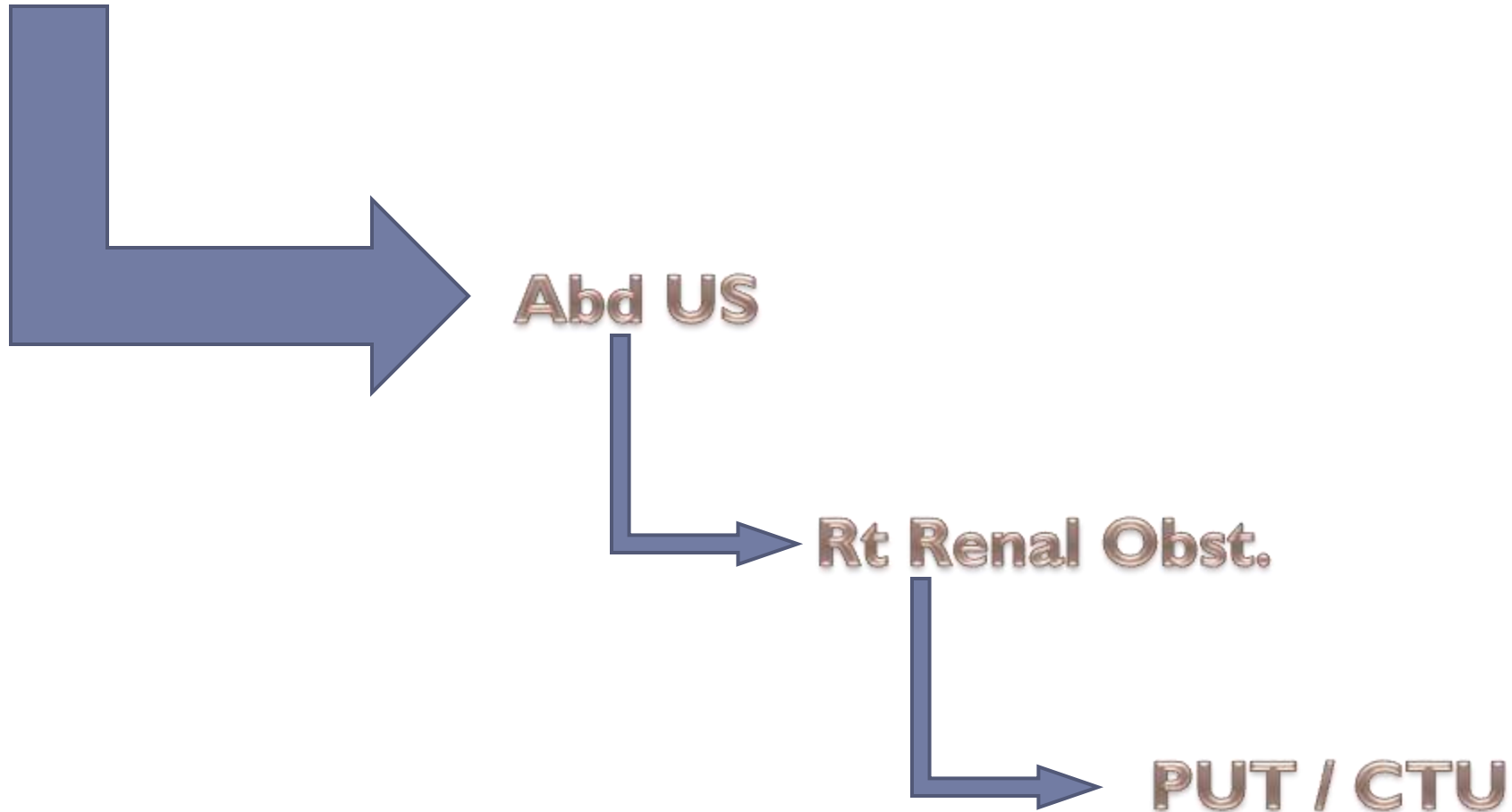
- ▶ Rt cerebral (*Fronto – Parieto – occipetal*) well defined cortical & subcortical hypodense area.
- ▶ with Associated **mass effect** on adjacent ventricle



▶ **NB. Mass effect of acute infarction is caused by associated edema**

CASE 8

- ▶ Adult Male ,Acute sever Rt loin Pain

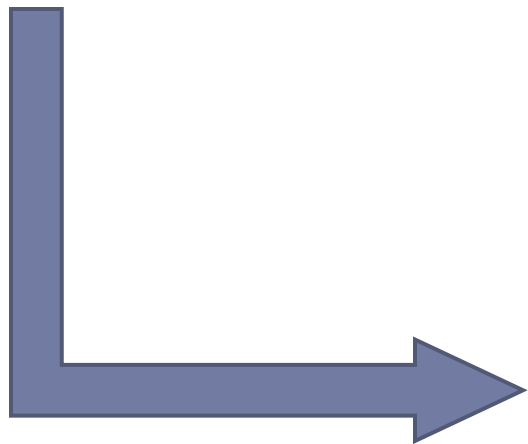






CASE 9

- ▶ Child, Diagnosed metallic FB ingestion , then Vomiting & suffering Dysphagia , FB Disappear from X ray Abd.

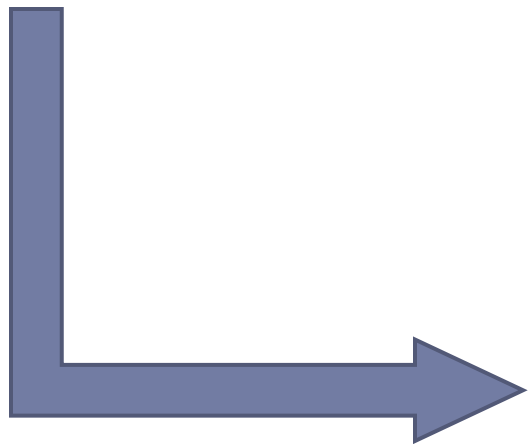


X Ray From Nose To Anus



CASE 10

- ▶ Male 77 y , Falling down , Lt Hip pain & limited movement , X ray show no clear abnormality .



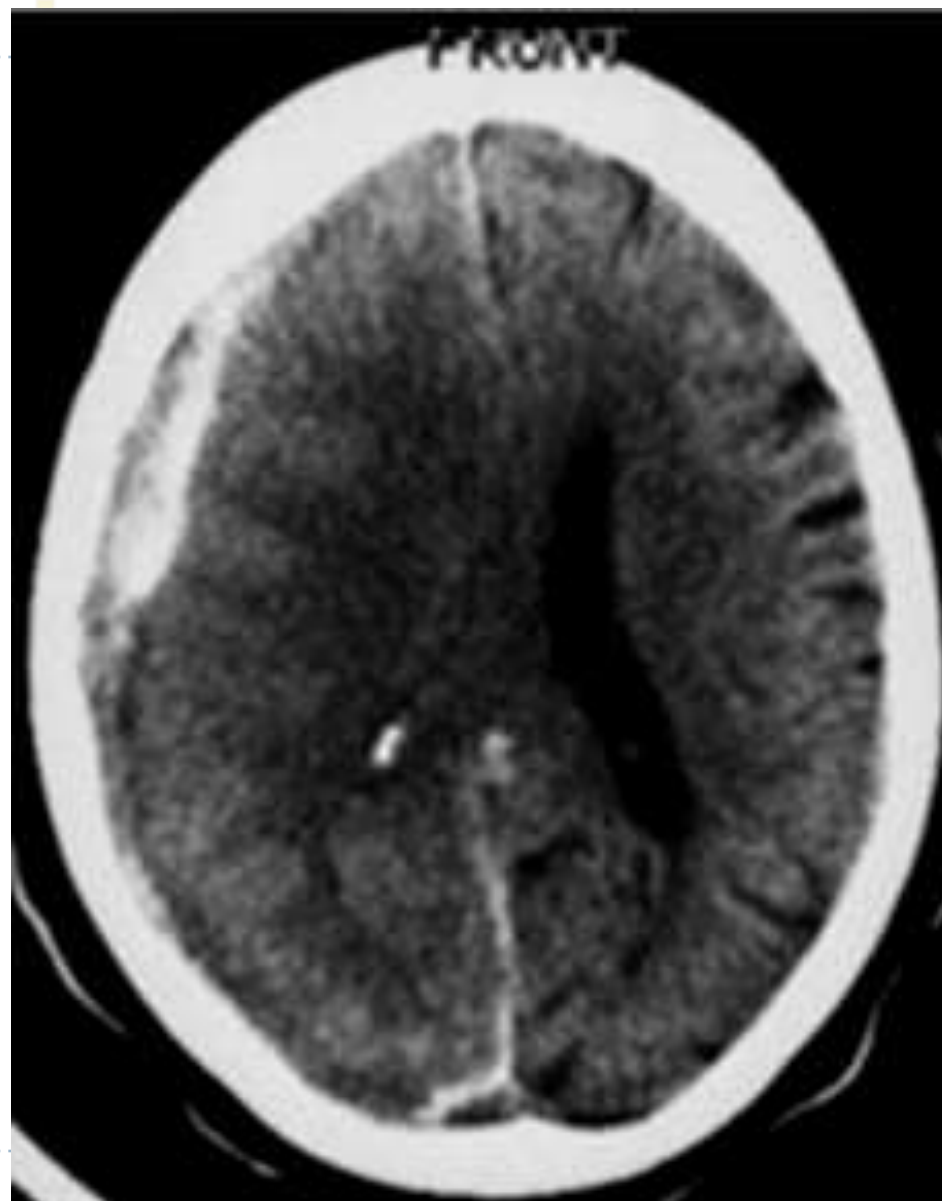
CT Pelvis



SPOT CASES



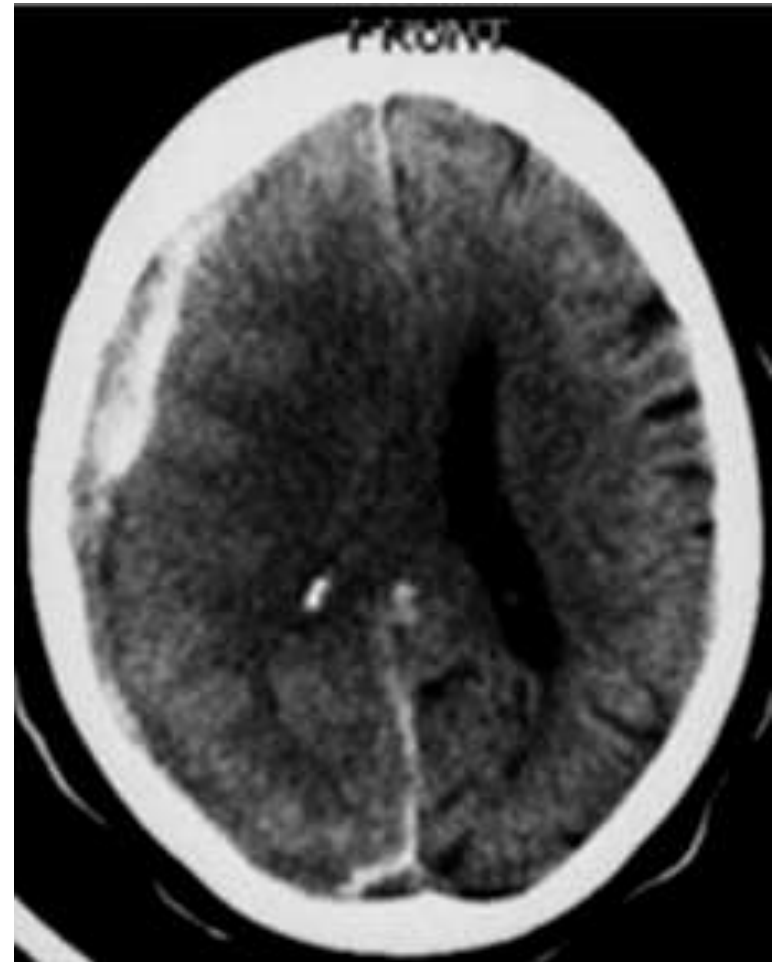
CASE II



CASE II

Rt parietal (Acute) Sub dural Hematoma

- ▶ **CT Brain**
- ▶ Head Trauma
- ▶ Rt parietal , extra axial ,
crescent shape
hyperdense lesion
of **fresh blood density**

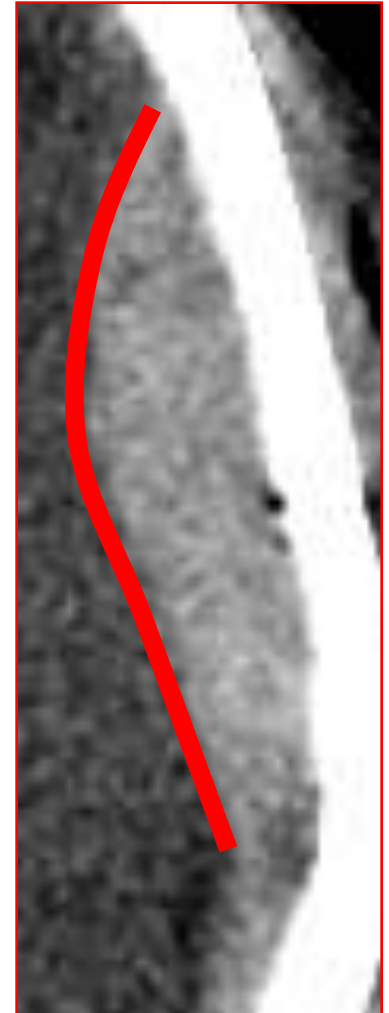


- ▶ NB. **Subdural Hematoma types** : - Acute -Subacute & - Chronic

SUB

Vs

EXTRA



CASE 12



CASE 12

Pneumo-pericardium

- ▶ **CXR**
- ▶ Radiolucent crescent of air is seen surrounding Lt side of heart shadow.



CASE 13



CASE 13

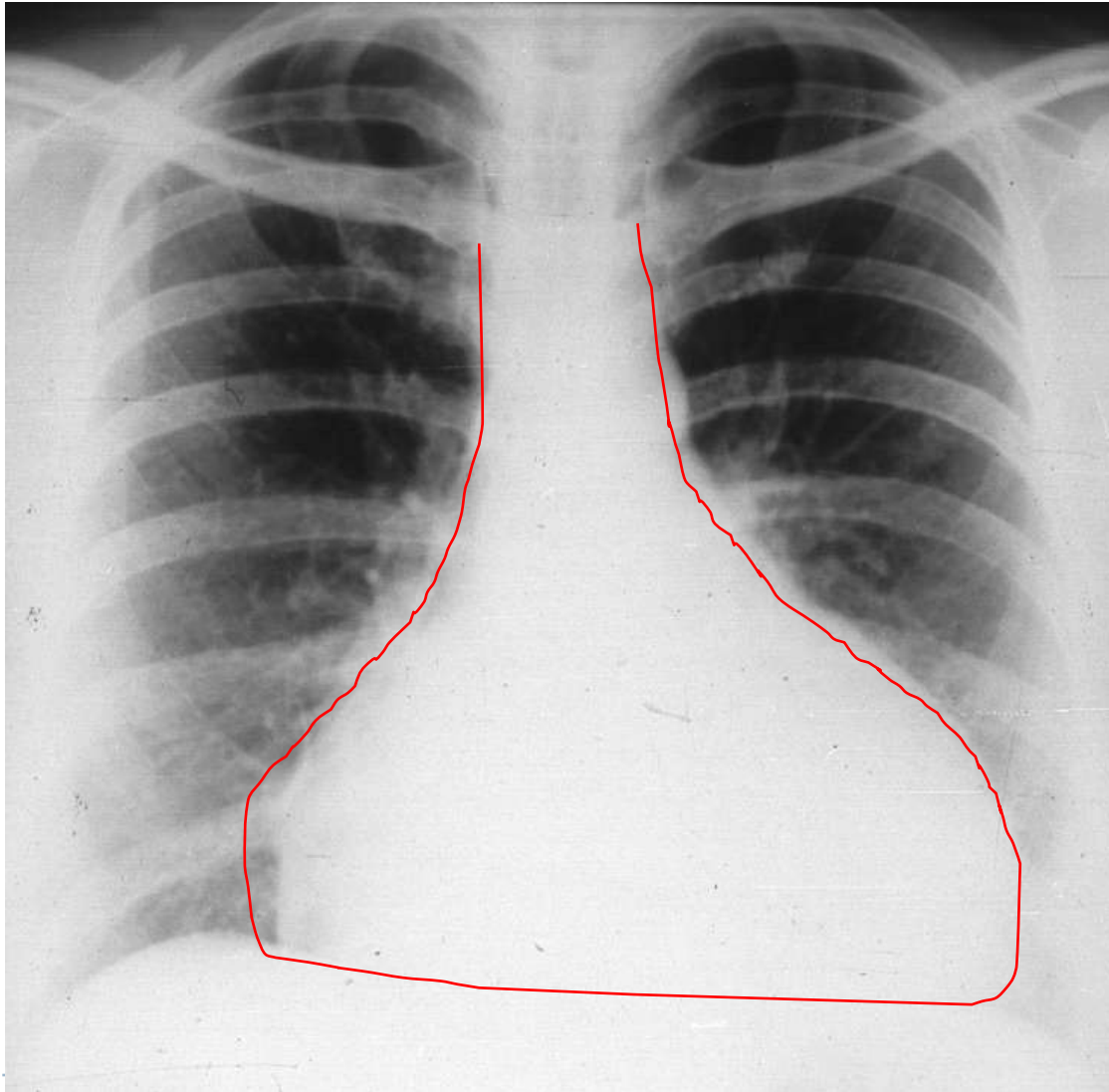
Barium Swallow

Achalasia

(Parrot Beak Sign)



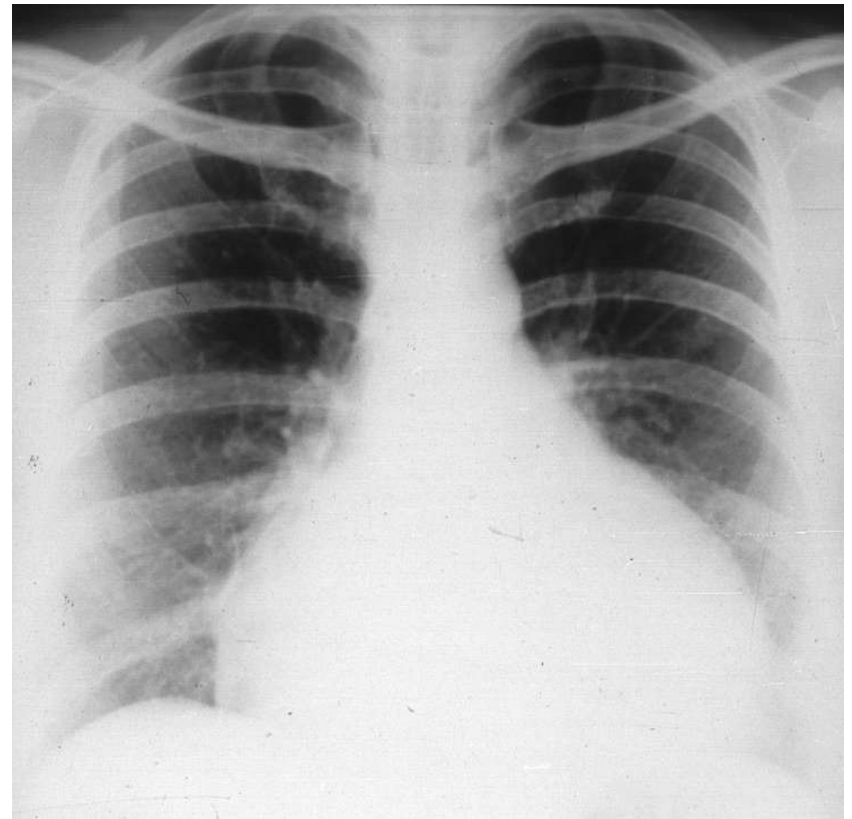
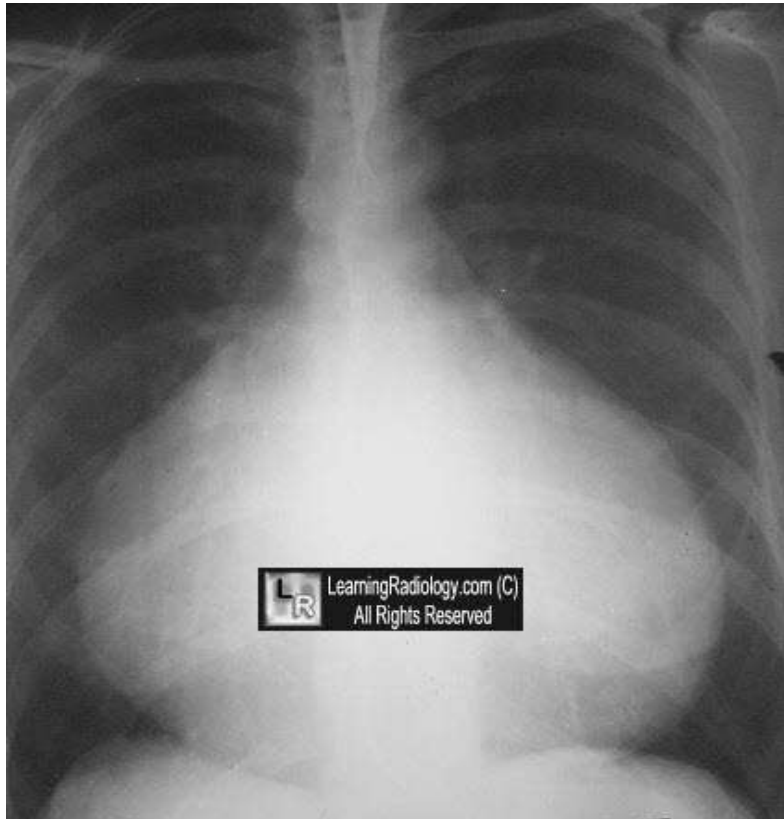
CASE 14



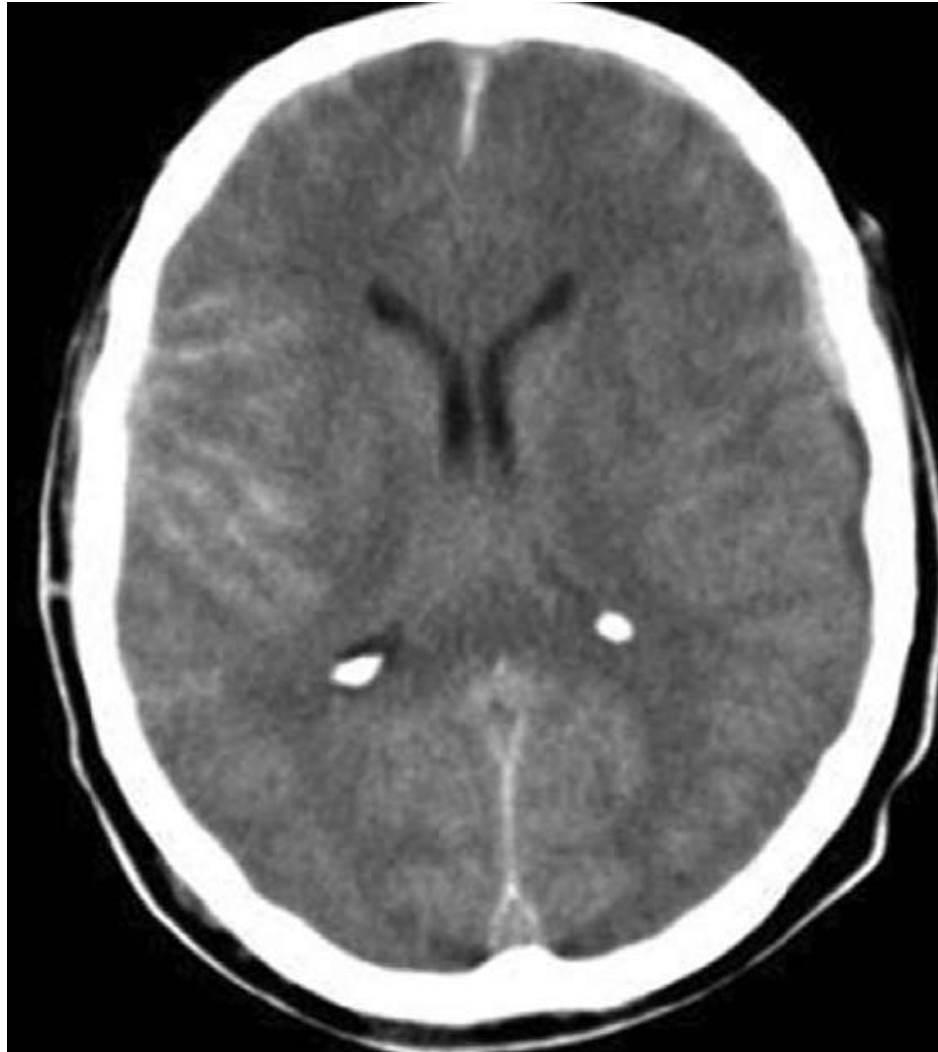
CASE 14

Pericardial effusion

- ▶ **CXR**
- ▶ Enlarged cardiac shadow size, giving **Flask Shape** heart



CASE 15

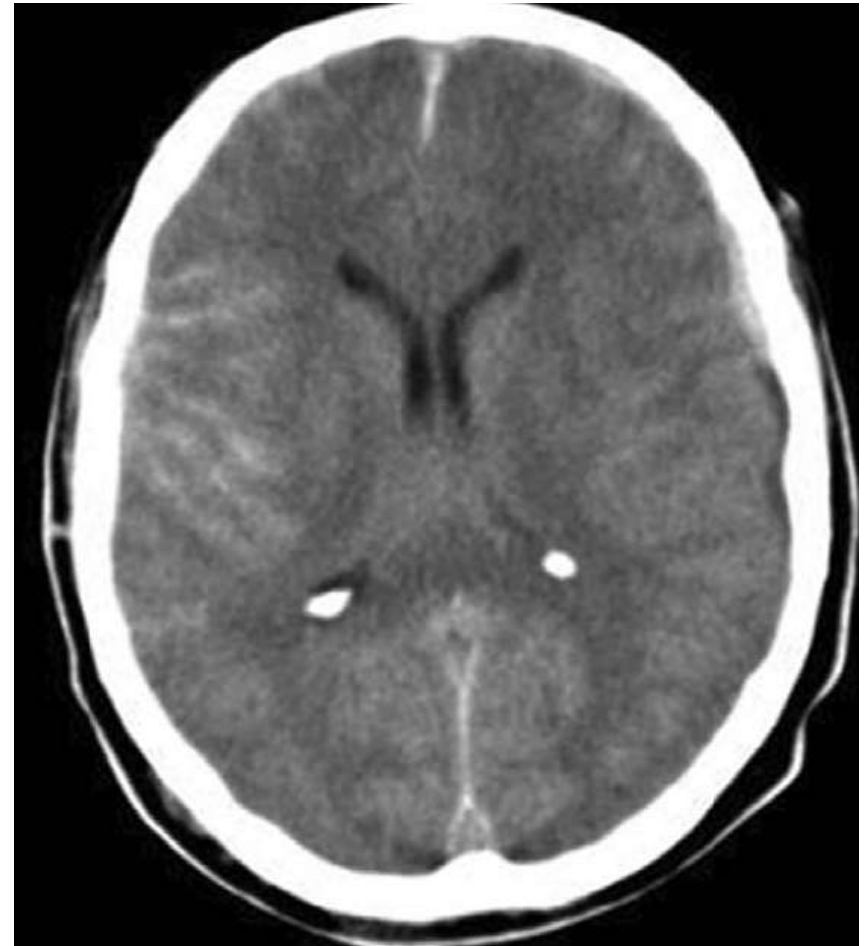


► **Don't Forget** Fresh Blood density : 60 : 90 Hu .

CASE 15

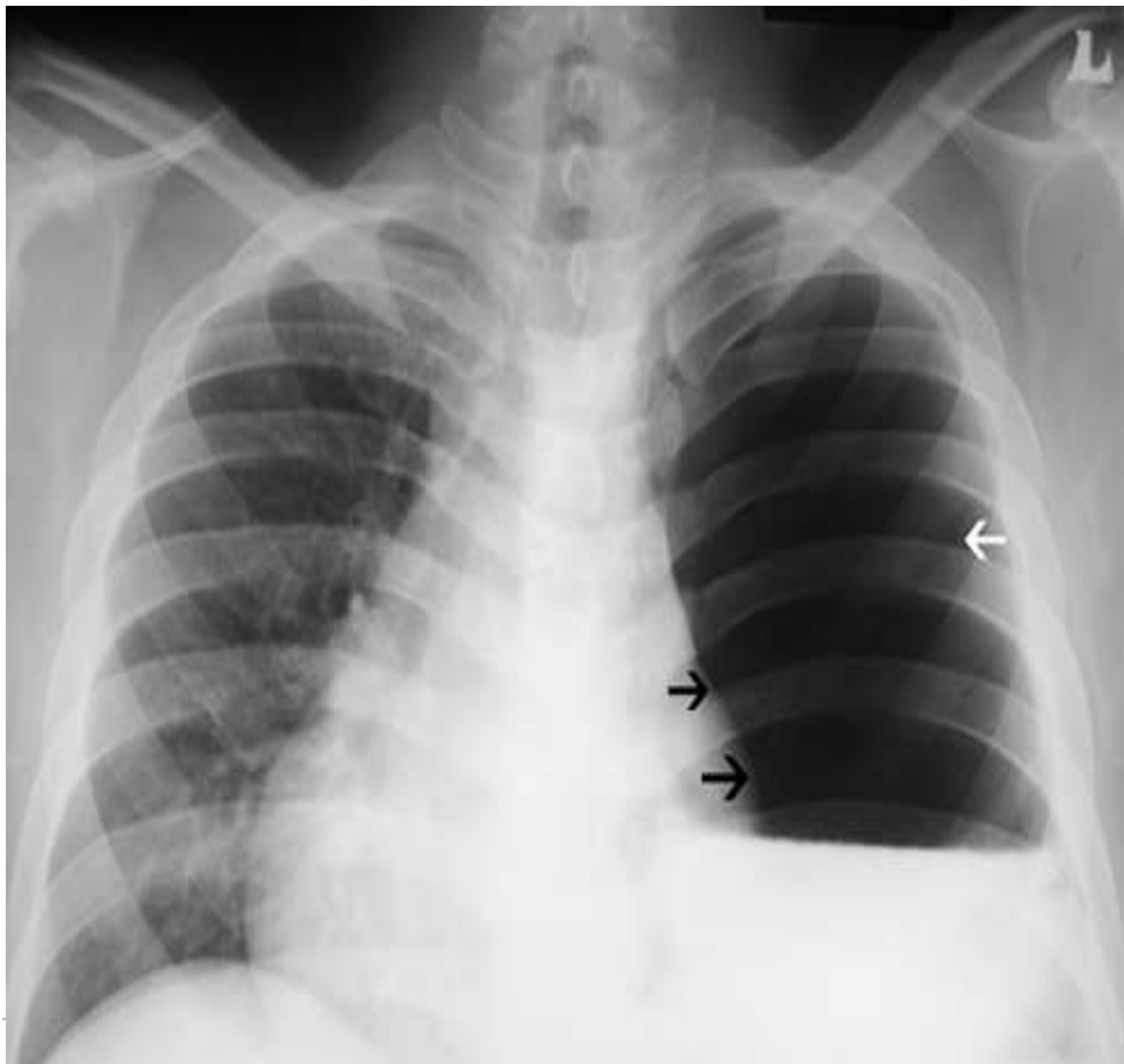
Subarachnoid Haemorrhage

- ▶ **CT Brain**
- ▶
- ▶ Rt Parietal , fresh blood density smearing cortical sulci



- ▶ **Don't Forget** Fresh Blood density : 60 : 90 Hu .

CASE 16



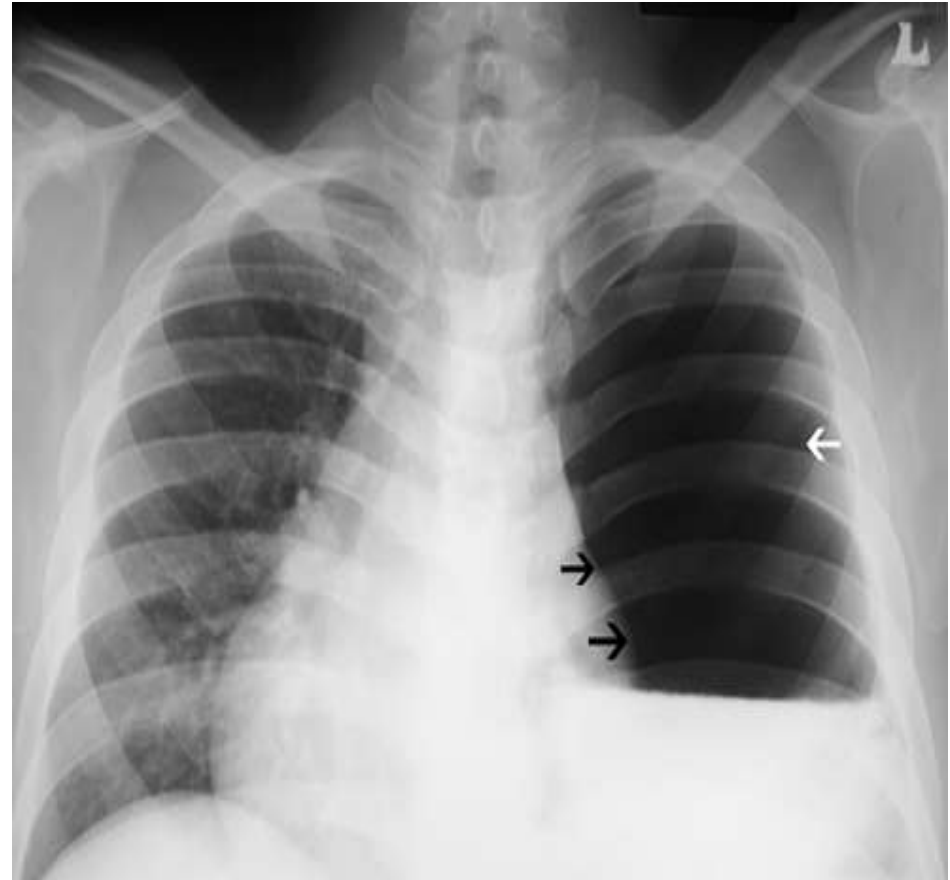
CASE 16

Lt Hydro-Pneumo Thorax

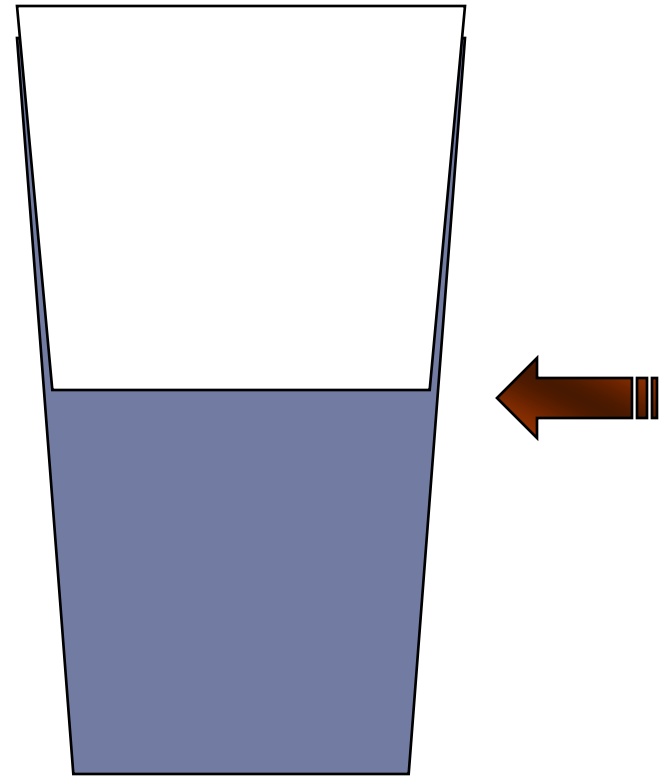
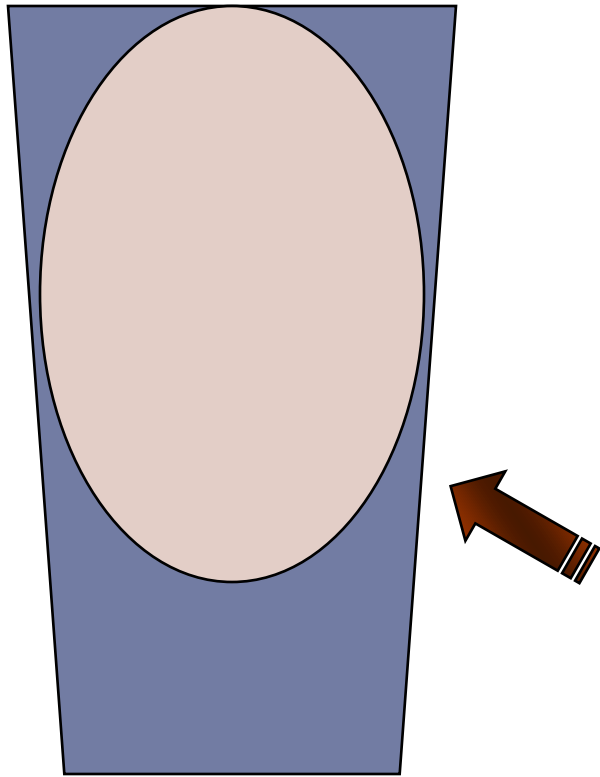
▶ CXR

- ▶ Lt hemi-thorax is occupied by

lower homogenous opacity with horizontal upper border of air-fluid level & upper jet black lucency.



Hydrothorax Vs Hydro-Penumothorax



CASE 17



CASE 17

Sub acute Cerebral Infarction

▶ CT Brain

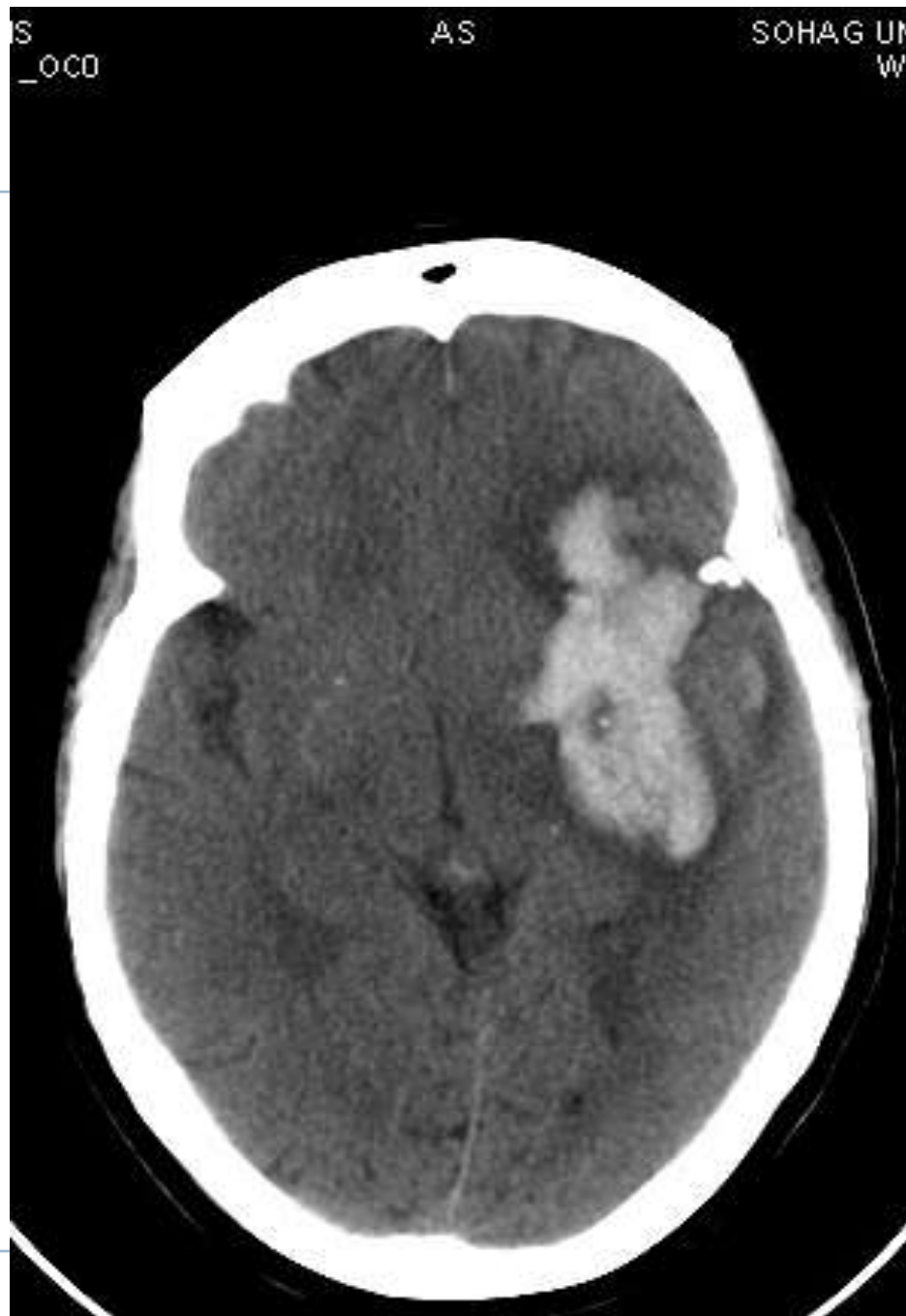
▶ Lt Hemiplegia

- ▶ Lt cerebral (*Fronto – Parietal*)
well defined cortical &
subcortical hypodense area.
- ▶ **No** associated **mass effect**
on adjacent ventricle



- ▶ NB. In Sub acute Infarction, edema resolvedso No mass effect .

CASE 18



CASE 18

Intra Cerebral Hemorrhage

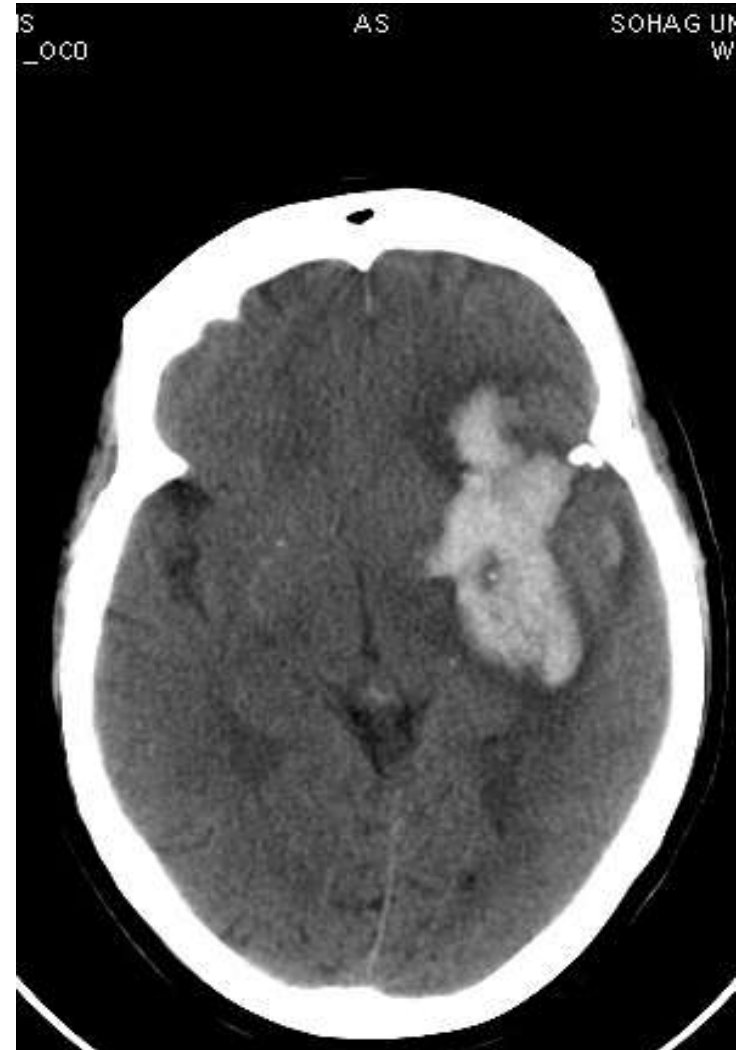
▶ CT brain

▶ Headache / Rt Hemi paresis

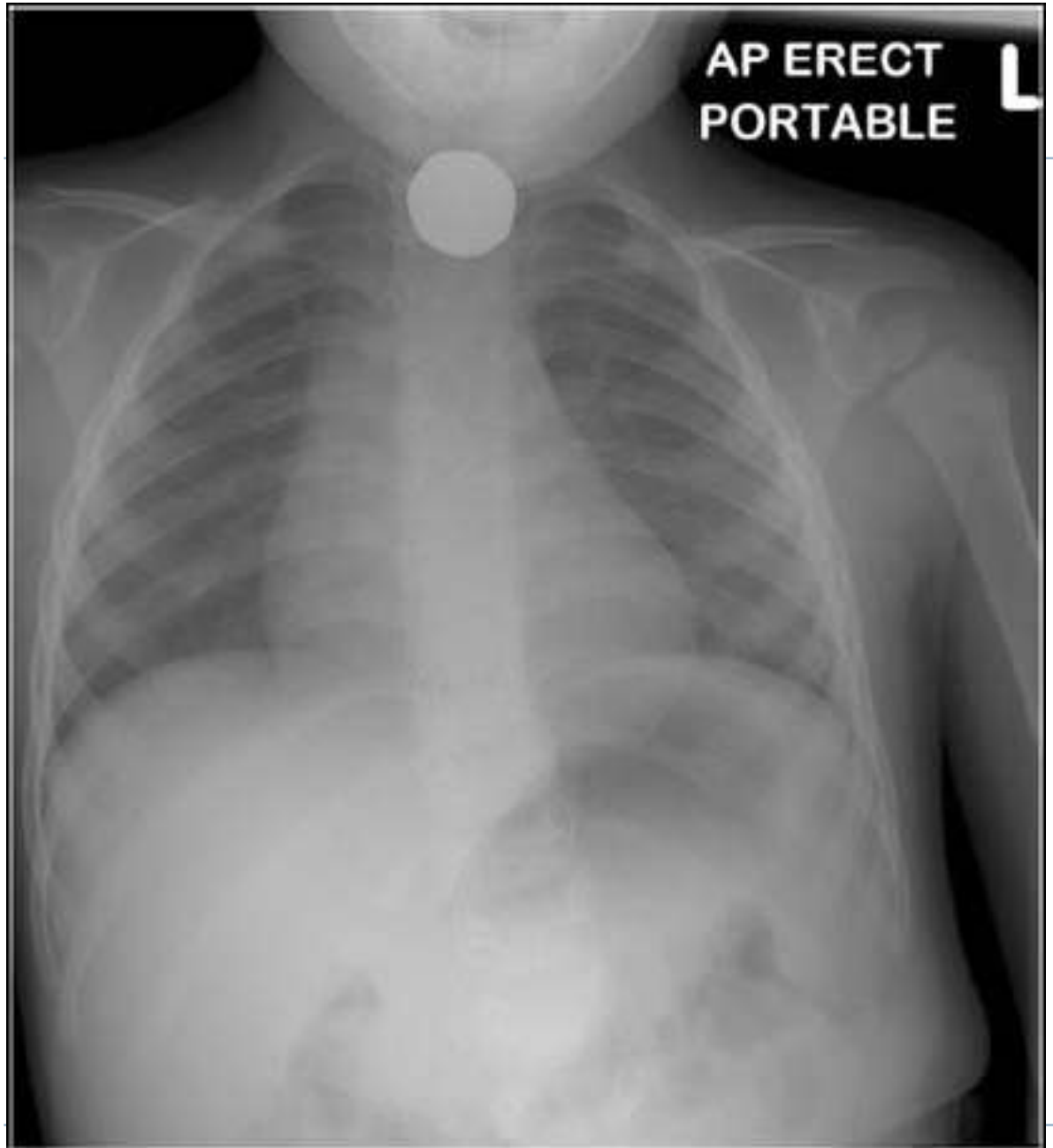
▶ Lt parieto-temporal,

Intra-axial irregular area of

fresh blood density



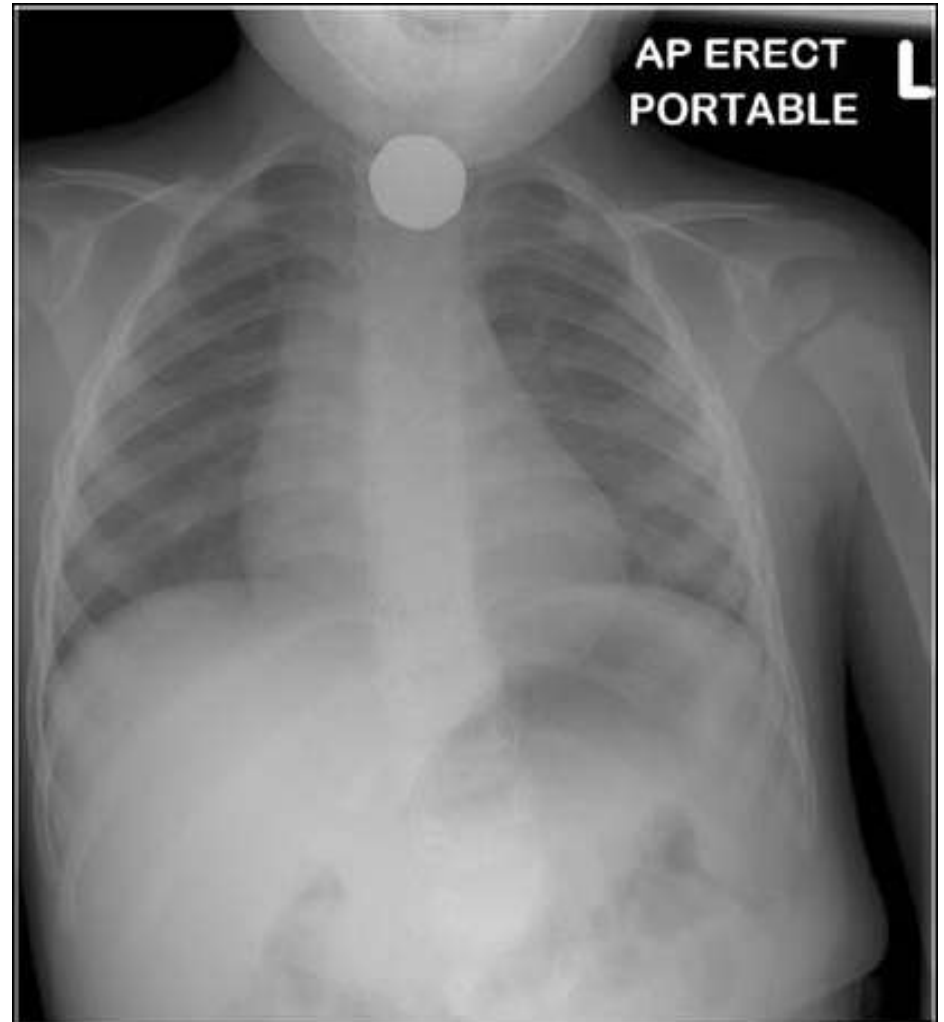
CASE 19



CASE 19

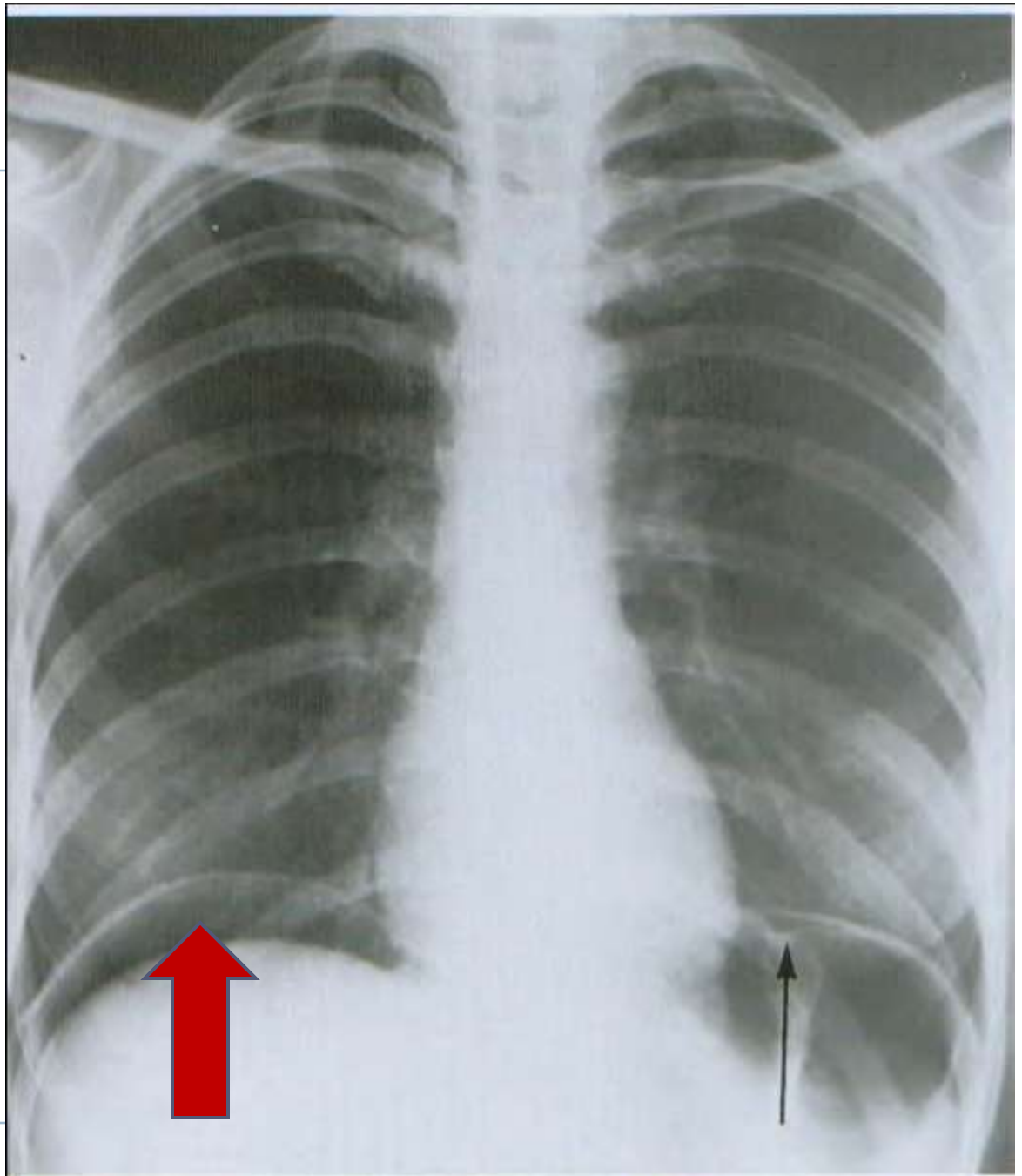
F.B. Inhalation

- ▶ **CXR**
- ▶ Radiopaque rounded foreign body is seen at Medline upper chest



CASE 20

????



Clavicle Fracture
(undisplaced)

Pneumothorax
(Apical)

@radicalradiology

Don't Forget

Lung
Nodule

Surgical
Clips

Hilar
Adenopathy

Lung
Mass

Consolidation
(RML)

Horizontal Fissure

Air
Bronchogram

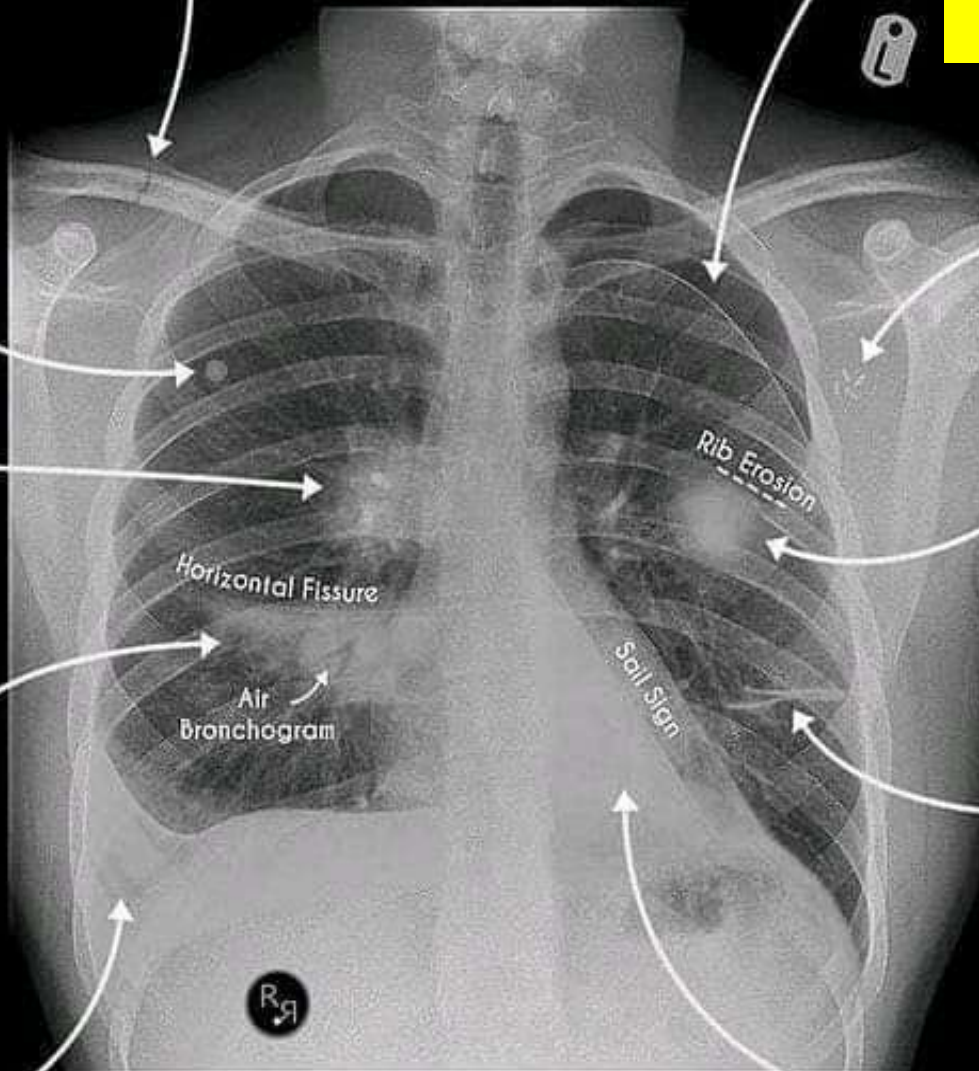
Rib Erosion

Sail Sign

Atelectasis
(linear)

Pleural
Effusion

Collapse
(LLL)



Link of Systematic Case Review 2021 :

- ▶ https://www.youtube.com/watch?v=dIA_d7ubuPc&t=1899s



Sources & Further details :

► **Introduction To imaging Modalities** (Video Lecture)

https://www.youtube.com/watch?v=RTaEDka95-E&list=PLqU6GNJJ8xwkhCDPznBYkvG3_NXZt-BI7&index=1

► **Radiology Film Reading** (Video Lecture)

https://www.youtube.com/watch?v=ek7kqY3WXS&list=PLqU6GNJJ8xwkhCDPznBYkvG3_NXZt-BI7&index=2

► **5th year Medical Students Revision** (Video Lecture)

https://www.youtube.com/watch?v=ElSdX6JjfiU&list=PLqU6GNJJ8xwkhCDPznBYkvG3_NXZt-BI7&index=6

► **Radiology Lectures For Medical Students** (Video)

https://www.youtube.com/watch?v=RTaEDka95-E&list=PLqU6GNJJ8xwkhCDPznBYkvG3_NXZt-BI7



THE

May 2022

Best Wishes

Dr. A. M. Abodahab - MD