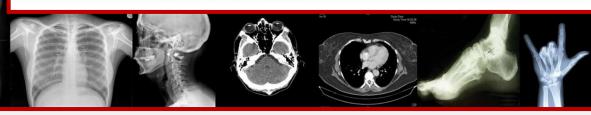


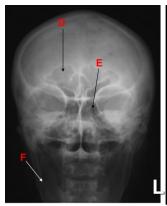
Done by: Abeer Abdulkarim



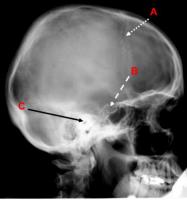
Color Index:

- Important Females' notes Males' notes Explanations
 - 433 & 432 Teamwork

Name the structures

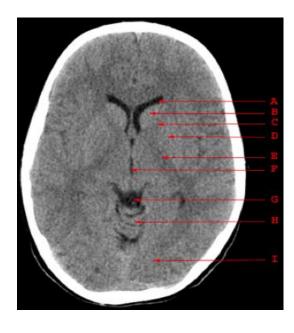






Skull X-RAY LAT. VIEW

- Coronal suture
- В. Sella turcica
- External acoustic meatus
- Frontal sinus D.
- E. Ethmoidal sinus
- F. Mandible



- Anterior Horn of the Lateral Ventricle
- Caudate Nucleus
- C. Anterior Limb of the Internal Capsule
- Putamen and Globus Pallidus (lentiform nucleus)
- E. Posterior Limb of the Internal Capsule
- F. Third Ventricle
- Quadrigeminal Plate Cistern
- Cerebellar Vermis Η.
- Occipital Lobe (left)
 Corpus callosum (body)
 - Superior vermis of cerebellum В.
 - C. Pons
 - D. Medulla
 - F. Cerebellar tonsils
 - F. 4th ventricle
 - G. Spinal cord
 - Н. Clivus
 - **Pituitary** ١.

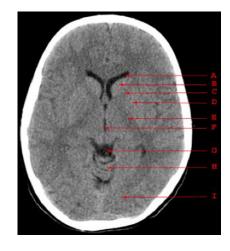
Which is true on this brain CT regarding anatomy:

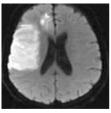
- A. Internal capsule
- B. Caudate head
- C. Cerebral peduncle
- D. Putamen
- E. Thalamus
- F. 4th ventricle

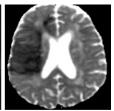
MRI diffusion (DWI) is particularly helpful in assessment of all the following **EXCEPT:**

- A. Brain infarction (diffusion will be low)
- B. Brain abscess
- C. Brain tumors

MR diffusion is very helpful in the assessment of early brain infarction, Brain abscess & Certain types of brain tumor.





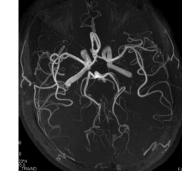


DWI

ADC map

Which of the following is true?

- A. This is CTA study (no bone seen)
- B. This is MRA study
- C. This can only be done with contrast (TOF angiography)
- D. This is good to diagnose cerebral venous thrombosis



Contraindication of MRI include all the following **EXCEPT:**

- A. cardiac pacemaker
- B. cochlear implants
- C. metal close to the eye
- D. neurostimulators

E. pregnancy (3rd trimester) Which is frue in C1?

- A. Bone is black
- B. CSF is black
- C. Gray matter is darker than white matter
- D. Gray and white matter can not be differentiated (This happens in ischemia or edema)

The lesion on this CT is:

- A. Meningioma
 - B. Abscess (ring enhancing)
- C. Multiple sclerosis
- D. Glioblastoma multiforme

This CT shows:

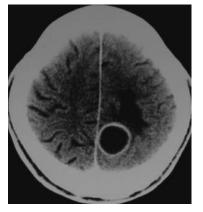
- A. Subdural hematoma
- B. Subarachnoid hemorrhage
- C. Intraventricular hemorrhage
- D. All of the above

This CT shows:

- A. Acute PCA infarct
- B. Chronic ACA infarct
- C. Subarachnoid bleeding
- D. Meningioma
- E. Abscess

The hematoma pointed by the arrow is:

- A. Acute epidural
- B. Chronic epidural
- C. Acute subdural
- D. Chronic subdural
- E. None of the above



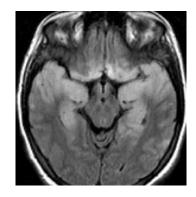






The abnormalities on this MRI are due to:

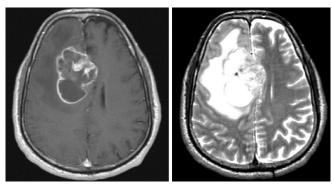
- A. Multiple sclerosis
- B. Meningitis
- C. Brain tumor
- D. Encephalitis



An MRI showed intra-axial lesion that is necrotic, irregular, strongly enhancing, and crossing midline.

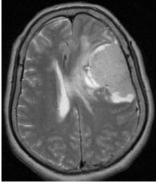
This lesion is most likely:

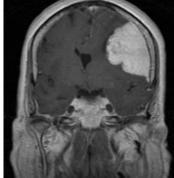
- A. Meningioma (extra-axial)
- B. Infarction (usually hypointense)
- C. Multiple sclerosis
- D. Glioblastoma multiforme



The lesion on this MRI is:

- A. Meningioma (extra-axial)
- B. Infarction
- C. Metastasis
- D. Abscess

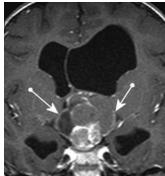


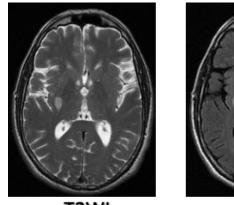


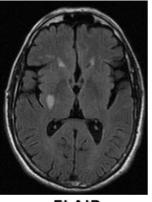
The lesion on this MRI is:

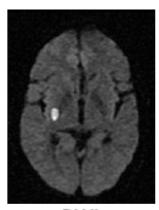
- A. Pituitary adenoma
- B. Craniopharyngioma (multi-cyctic)
- C. Meningioma
- D. Glioblastoma multiforme







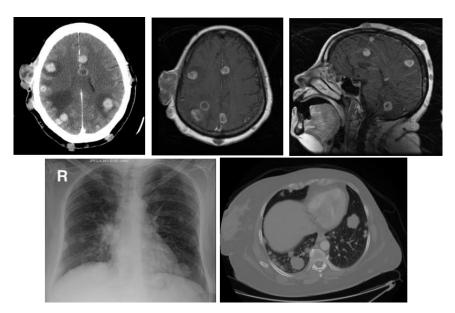




FLAIR DWI

This MRI shows an infarction in the right basal ganglia.

- The infarction is:
 - a. Acute (recent) bright in all MRI sequence
 - b. Chronic (old) hypodense in flair
 - c. Hemorrhagic
 - d. In PCA territory
- This patient is most likely to have:
 - a. Left monoplegia
 - b. Left hemiplegia
 - c. Diplegia
 - d. No symptoms



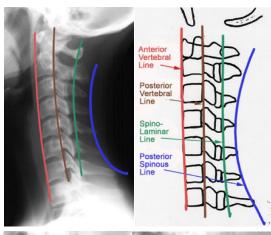
Brain metastasis from lung cancer (Well defined hyperenhancing lesion intra & extra-axial)

Which of the following is true about the lines of the cervical spine?

- Red is intervertebral line
- В. Brown is posterior spinous line
- C. Green is spinolaminar line
- Blue is posterior vertebral line

What is the difference?

Degenerative changes of the spine (Cervical spondylosis)



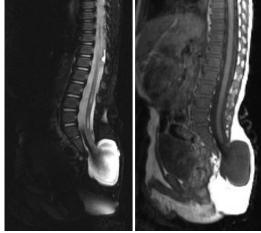


Normal control

Patient

This MRI of the spine shows:

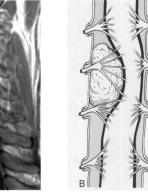
- Meningocele Α.
- Extradural tumor В.
- C. Discitis
- Vertebral fusion



Spinal cord lesions (tumors):













Intradural exrtamedullary

Extradural

intramedullary (T1)