

(وأما ما ينفع الناس فيمكث في الأرض كذلك يضرب الله الأمثال)

## Anatomy

اللهم انصر عبادك المستضعفين في مشارق الأرض ومغاربها يارب.

## Lecture 1+2

A 60-year old hypertensive female complained of fascial numbness on the right side including the tongue. A cortical lesion was seen with MRI. Where the lesion would most likely be found?

- a. Anterior paracentral lobule
- b. Posterior paracentral lobule
- c. Precentral gyrus
- d. Postcentral gyrus
- e. Angular gyrus

Ans: D

stimulation of the right FEF ( area 8 ):  
Answer: move of both eyes to the left

- patient doesn't understand spoken words and says weird thing due to lesion in:  
Answer: areas 39,40

Which of the following is false about the cerebral cortex?

- a. The function of cingulate gyrus is gustation
- b. Area 6 is extrapyramidal in function
- c. The uncus is present on the inferior surface of the cerebral hemisphere
- d. Stimulation of area 8 moves both eyes
- e. Lingual gyrus lesion affects part of contralateral visual field

Ans: A

septum pellucidum situated between:

Answer: the Fornex and the corpus callosum

-An example of apraxia would be which one of the following ?

- a. Patient cannot name colors
- b. Patient can't divide a line in the middle
- c. Patient has inability to show how to cut with imaginary scissors
- d. Patient has difficulty repeating the sounds (ba ba ba., ta ta ta., ga ga ga.)
- E. Patient crowds all the numbers onto the right side of the clock when asked to draw the face of a clock

-Which of the following area lesion is manifested on the ipsilateral side ?

- a. 4
- b. 3.1.2
- c. Spinocerebellum
- d. Corpus striatum
- e. Posterior limb of internal capsule

C



Choose the unmatched pairs of the followings :

- a. Cerebellum- Ataxia
- b. Premotor area-Apraxia
- c. Basal nuclei- Parkinsonism
- d. Area 39-Nonfluent Aphasia
- e. Posterior parietal association area-Asteriognosis

D

Wernicke's area contributes which part in the cortex :

- Lateral sulcus

A man who had lost comprehension of written and spoken language, fluent but what he says makes little sense. Lesion is mostly in

- Wernicke's area

Wrong about motor cortex

- Connected to ipsilateral body

Which of the following physical signs is not suggesting the involvement of the left middle cerebral artery ?

- a. Paralysis of the right arm and forearm
- b. The presence of aphasia
- c. Paralysis of the right leg and foot
- d. Conjugate movement of both eyes to the left side
- E. General sensory loss on the right arm and forearm

C

(وَأَنْ لَّيْسَ لِلْإِنْسَانِ إِلَّا مَا سَعَى )

## Fibers and basal nuclei

### Lecture 3

temporal and frontal lobe connection by:

Answer: Uncinate fasciculus

tail of the caudate participated in:

Answer: the roof of the inferior horn of the lateral ventricle

What is the types of fibers that pass through posterior half of the posterior limb of the internal capsule:

Answer: superior thalamus radiation

internal capsules separates the ( ..... ) surface of the thalamus from the lentiform:

Answer: Lateral



- Regarding the caudate nucleus, which of the following is Incorrect?

- a. It is a large C-shaped mass of grey matter
- b. It is formed of head, body, and tail
- c. It's head is related to floor of the central part of the lateral ventricle
- d. It is a part of neostriatum
- e. It's tail is continuous with the amygdaloid nucleus

Answer c

Which of the following is not a constituent of the association fibers ?

- a. Tapetum
- b. Cingulum
- c. Superior longitudinal bundle
- d. Inferior longitudinal bundle
- e. Uncinate fasciculus

Answer a

concerning the internal capsule, which of the following is incorrect

- a. The anterior limb contains frontopontine fibers.
- b. The caudate nucleus is lateral to its anterior limb
- c. The posterior limb contains projection fibers

Answer b

Concerning the internal capsule, Choose the unmatched pairs of the followings :

- a. Anterior limb - corticospinal fibers
- b. Retrolentiform part-optic radiation
- c. Sublentiform part-auditory radiation
- d. Posterior limb- superior thalamic radiation
- e. Genu- corticobulbar fibers

Answer A

Post limb of internal capsule is between ?

- Thalamus and lentiform

Lesion of the subthalamic nucleus is usually present in which of the following :

- a. Huntington chorea .
- b. Athetosis .
- c. Parkinsons disease
- d. Hemiballism .
- e. More than one of the above

D

Concerning the internal capsule, Choose the unmatched pairs of the followings :

- a. Anterior limb - corticospinal fibers
- b. Retrolentiform part-optic radiation
- c. Sublentiform part-auditory radiation
- d. Posterior limb- superior thalamic radiation
- e. Genu- corticobulbar fibers

A

-Which of the following structures is not in direct anatomical relation with the caudate Nucleus ?

- a. Anterior horn of the lateral ventricle
- b. Body of the lateral ventricle
- c. Posterior horn of the lateral ventricle
- d. Inferior horn of the lateral ventricle
- e. Amygdala

C



Concerning the internal capsule, Choose the correct matched pair of the followings :

- a. Retrolentiform part- auditory radiation
- b. Posterior limb- superior thalamic radiation
- c. Anterior limb - inferior radiation
- d. Genu- sensory radiation
- e. Sublentiform part-optic radiation

B

-Concerning the hippocampus, Choose the Incorrect statement :

- a. Forms part of the roof of the inferior horn of the lateral ventricle
- b. Is part of the limbic system
- c. Its efferents are forming the fornix

تم بحمد الله ،،،،،،،  
لا تنسوني من دعواتكم