

# CNS-Anatomy

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Archive

Lecture 11

Projection Fibers & Basal  
Nuclei

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1. A 65-year-old patient presents to the ER with right-sided weakness. MRI shows a tumor spreading between the thalamus and the lentiform nucleus. The most probable injured part is:

- A. Anterior limb of internal nucleus.
- B. Posterior limb of internal nucleus.
- C. Caudate nucleus.
- D. Genu of corpus callosum.
- E. Genu of the internal nucleus.

**Answer: B. Posterior limb of internal nucleus.**

2. The following tract carries voluntary movements from the cortex:

- A. Corticospinal tract
- B. Optic radiation
- C. Auditory radiation
- D. Anterior thalamic radiation.
- E. Superior thalamic radiation.

**Answer: A. Corticospinal tract.**

3. One of the following is INCORRECT about projection fibers:

- A. Short anterior limb of internal capsule lies between the head of caudate and lentiform.
- B. Long posterior limb of internal capsules lies between the thalamus and lentiform.
- C. Retrolenticular of internal capsule lies behind lentiform.
- D. Internal capsule lies to the lateral side of thalamus.
- E. Internal capsule lies to the lateral side of lentiform nucleus.

**Answer: E. Internal capsule lies to the lateral side of lentiform nucleus.**

4. One of the following is correct regarding caudate nucleus:

- A. Tail forms part of the floor of the inferior horn of lateral ventricle.
- B. Striate branches of the middle and anterior cerebral arteries are below to the head.
- C. Head forms medial wall of the anterior horn of lateral ventricle.
- D. Tail curves downward and backward.
- E. Body forms roof of the central part of the lateral ventricle.

**Answer: B. Striate branches of the middle and anterior cerebral arteries are below to the head.**

5. One of the following is FALSE:

- A. Globus pallidus is the efferent part of lentiform.
- B. Globus pallidus is the smaller medial part of lentiform.
- C. Putamen is the efferent part of lentiform.
- D. Putamen is the larger lateral part of lentiform.
- E. Lentiform has a convex lateral and medial surfaces.

**Answer: C. Putamen is the efferent part of lentiform.**

6. Claustrum presents:

- A. Lateral to the insula.
- B. Medial to the insula.
- C. Lateral to the internal capsule.
- D. Adherent to the lentiform nucleus.
- E. Lateral to the globus pallidus.

Answer: B. Medial to the insula.

**الأسئلة التالية هي أرشيف سابق وهي لا تتعلق بشكل مباشر مع المحاضرات السنة الحالية**

1. About lateral corticospinal tract, which of the following is incorrect?

- a. Smaller than ventral corticospinal tract ✓

2. What tract carries efferent, motor, information from the primary motor cortex to the muscles of face, neck and head?

- a. Corticobulbar ✓

3. All of the following tracts are ascending EXCEPT:

- ✓ الخيار اللي يبدأ بـ Cortico

4. All of the following start from the cortex EXCEPT:

- ✓ الخيار اللي ما يبدأ بـ Cortico

5. Controls axial muscles:

- Ventral corticospinal tract ✓

6. Mainly passes and forms pyramids:

- Corticospinal tracts

7. Which is wrong about amygdaloid body?

- a. Its function is emotional behavior
- b. Its afferent comes from olfactory tract
- c. It is part of the limbic system
- d. It is situated close to the uncus
- e. Its efferent ends in the epithalamus

Answer: E