

# CNS-Physiology

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Archive

Lecture 9

limbic system

Corrected By :

Sujood Abosror

Edited by:

Malak alqadi

لا يوجد أسئلة أرشيف سابقة، بعض الاسئلة من chat gpt

2. The anterior and medial hypothalamic nuclei are associated with which autonomic effect?

- A. Sympathetic effects such as tachycardia
- B. Parasympathetic effects such as bradycardia
- C. Sympathetic effects such as hypertension
- D. Parasympathetic effects such as sweating

Answer: B. Parasympathetic effects such as bradycardia

3. Which nucleus of the hypothalamus is primarily involved in circadian rhythm regulation?

- A. Ventromedial nucleus
- B. Suprachiasmatic nucleus
- C. Lateral hypothalamus
- D. Posterior hypothalamus

Answer: B. Suprachiasmatic nucleus

4. Which structure in the limbic system plays a critical role in fear response?

- A. Cingulate gyrus
- B. Amygdala
- C. Hippocampus
- D. Septum

Answer: B. Amygdala

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5. What happens to a monkey after bilateral amygdalectomy?

- A. Increased fear of snakes
- B. Total loss of appetite
- C. Approach snakes without fear
- D. Extreme aggression with minor stimuli

**Answer: C. Approach snakes without fear**

6. Which of the following is true regarding the feeding and satiety centers in the hypothalamus?

- A. The feeding center is located in the ventromedial nucleus.
- B. The satiety center is located in the lateral hypothalamus.
- C. Damage to the satiety center leads to hyperphagia and obesity.
- D. Stimulation of the feeding center causes cessation of eating.

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**Answer: C. Damage to the satiety center leads to hyperphagia and obesity.**

7. Which limbic system structure is associated with maternal behavior?

- A. Amygdala
- B. Cingulate gyrus
- C. Hippocampus
- D. Orbito-frontal area

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**Answer: B. Cingulate gyrus**

A patient undergoes a bilateral lesion of the amygdala. Which of the following is the most likely consequence?

- A. Loss of voluntary movement
- B. Loss of fear and impaired emotional responses
- C. Loss of vision
- D. Loss of speech comprehension
- E. Loss of coordination

Answer: B

Which of the following brain structures drives sexual behavior?

- a) Cerebellum
- b) Medulla oblongata
- c) Basal ganglia
- d) Limbic cortex
- e) Thalamus

Answer:d

