

RS- Physiology

Archive

Lecture 5

Collected By :

Mohammad Mousa

Edited by :

بشار عياصره

1. Which of the following factors does NOT cause a leftward shift in the oxygen-hemoglobin dissociation curve?

- A) Decreased temperature
- B) Decreased 2,3-DPG levels
- C) Increased temperature
- D) CO poisoning

Answer: C

2. Which of the following conditions increases the P50 value, indicating a reduced affinity of hemoglobin for oxygen?

- A) Exercise
- B) CO poisoning
- C) Decreased temperature
- D) Alkalosis

Answer: A

3. In which of the following conditions does the oxygen-hemoglobin dissociation curve shift to the left?

- A) Decreased 2,3-DPG
- B) Increased 2,3-DPG
- C) Increased temperature
- D) Exercise

Answer: A

4. The oxygen-hemoglobin dissociation curve shifts to the left in which of the following conditions?

- A) CO poisoning
- B) Increased temperature
- C) Acidosis
- D) Increased 2,3-DPG

Answer: A

5. Which condition causes a rightward shift of the oxygen-hemoglobin dissociation curve?

- A) Exercise
- B) CO poisoning
- C) Alkalosis
- D) Decreased 2,3-DPG

Answer: A

6. Which of the following conditions increases the affinity of hemoglobin for oxygen?

- A) Increased temperature
- B) CO poisoning
- C) Increased 2,3-DPG
- D) Acidosis

Answer: B

7. Which of the following statements about hemoglobin's affinity for oxygen is FALSE?

- A) Leftward shifts of the dissociation curve indicate increased O₂ affinity
- B) Increased H⁺ binding decreases O₂ affinity
- C) CO poisoning decreases O₂ affinity
- D) Decreased 2,3-DPG increases O₂ affinity

Answer: C

: Alveolar space is

the space that undergoes exchange between O₂ and CO₂ -

One is incorrect regard Regulation of Pulmonary Blood Flow

- A- Overall regulation of the PBF during exercise
- B- normally equals the cardiac output
- C- Local hypoxia and accumulation of CO₂ will lead to VD

Answer d