

# RS- Physiology

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Archive

Lecture 5

Medical card .

Name \_\_\_\_\_

Date of b \_\_\_\_\_

Gender \_\_\_\_\_

Address \_\_\_\_\_

Date of call \_\_\_\_\_

Collected By :

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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 O<sub>2</sub> affinity
- B) Increased H<sup>+</sup> binding decreases O<sub>2</sub> affinity
- C) CO poisoning decreases O<sub>2</sub> affinity
- D) Decreased 2,3-DPG increases O<sub>2</sub> affinity

Answer: C

