

PRINTED TEST

NAME _____

2010

DATE _____

Smith Seminars
Cardiac Electrolytes and Biomarkers Online Test

1. _____ The magnitude of the potassium gradient across the cell membrane:
 - A) Does not concern the cardiac cells.
 - B) Determines the excitability of nerve and muscle cells.
 - C) Does not have an effect on the serum pH.
 - D) All the above

2. _____ When serum pH falls
 - A) Serum potassium rises because potassium shifts from the cells into the vascular space
 - B) Serum potassium rises because potassium shifts from the vascular space into the cells
 - C) Serum potassium falls because potassium shifts from the vascular space into the cells
 - D) None of the above

3. _____ Impairment of renal water excretion may be caused by
 - A) Use of thiazide diuretics
 - B) ECF depletion (e.g., vomiting with continued water intake)
 - C) Edematous states (e.g., congestive heart failure, cirrhosis with ascites)
 - D) All the above

4. _____ Hypomagnesemia is treated with
 - A) Administration of calcium, which removes magnesium from serum
 - B) Dialysis
 - C) 1 to 2 g of IV MgSO₄ over 5 to 60 minutes
 - D) A & B

5. _____ Neurologic symptoms of hypermagnesemia
 - A) Muscular weakness and paralysis
 - B) Ataxia
 - C) Drowsiness and confusion.
 - D) All the above

6. _____ Hypocalcemia may develop
 - A) With toxic shock syndrome
 - B) With abnormalities in serum magnesium
 - C) With fluoride poisoning
 - D) All the above

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7. _____ Electrolyte abnormalities
 - A) Are among the most common causes of cardiac arrhythmias
 - B) Can cause or complicate attempted resuscitation and post-resuscitation care
 - C) A & B
 - D) None of the above

8. _____ Diagnosis of acute myocardial infarction is based on
 - A) Clinical features and presence of risk factors
 - B) Levels of cardiac biomarker
 - C) Electrocardiographic changes
 - D) All the above

9. _____ CK-MB is present in high concentrations in myocardium and:
 - A) Is present in the lungs and small intestine
 - B) Is not present in the lungs and small intestine
 - C) Is not present in the uterus, prostate, and healthy skeletal muscle
 - D) None of the above

10. _____ In the diagnosis of acute myocardial infarction, especially in patients with other medical conditions such as renal disease or severe musculoskeletal disorders
 - A) Measurements of CK and CK-MB have greater sensitivity and specificity than measurements of both cardiac troponins
 - B) Measurements of both cardiac troponins have greater sensitivity and specificity than measurements of CK and CK-MB
 - C) Measurements of lactate dehydrogenase have successfully replaced measurements of both troponins
 - D) None of the above

Submission Instructions

Print the test, answer the questions, and fill out personal information.

Submission Method #1 – Fax to us at 972-759-9791

Submission Method #2 – Smith Seminars, PO Box 516, Paradise, TX 76073

Submission Method #3 – Go to www.smithseminars.com online tests and enter answers

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