

Getting to the Heart of Cardiovascular Disease: The Troponin Marker Quiz – Part 1

1. Troponin is no longer just a marker of myocardial infarction, it is now an incremental marker of cardiac injury.
 - a) True
 - b) False

2. The URL at the 99th percentile of a reference population is suggested by The American College of Cardiology in the consensus document on the redefinition of myocardial infarction published in 2000.
 - a) True
 - b) False

3. The term “equimolarity:” suggests that the assay measures only free molecules.
 - a) True
 - b) False

4. The AMI cutoff is **always** a trade-off between sensitivity and specificity.
 - a) True
 - b) False

5. Which of these conditions can result in elevations of Troponin values?
 - a) Congestive heart failure
 - b) Trauma
 - c) Vital exhaustion
 - d) All of the above
 - e) A and b only

6. Which of the following can explain why troponin results may differ from one manufacturer’s method to another?
 - a) Selection of antibodies,
 - b) location of antibody binding,
 - c) equimolarity
 - d) interferences
 - e) all of the above

7. Ischemic heart disease is a spectrum of clinical disorders of the heart resulting from an imbalance between the myocardial need for oxygen and the adequacy of the blood supply.
 - a) True
 - b) False

8. Ischemic heart disease can result in the release of troponin from myocardium.
 - a) True
 - b) False

9. Non-ischemic heart disease can result in the release of troponin from myocardium.
 - a) True
 - b) False

10. Recent guidelines state that one blood sample for the measurement of cardiac markers can effectively rule out myocardial infarction and the patient can be safely sent home.
 - a) True
 - b) False



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