



USMLE^{Q&As}

United States Medical Licensing Examination

Pass USMLE USMLE Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.pass4itsure.com/usmle.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by USMLE
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



**QUESTION 1**

An ejection fraction can be calculated as:

- A. SV/TPR
- B. CO/TPR
- C. SV/EDV
- D. CO/EDV

Correct Answer: C

QUESTION 2

An investigator is studying the incidence of the common cold among medical students at various time points during the school year. Results show an increased incidence of upper respiratory tract infections among these students during finals week. It is hypothesized that the stress of studying for examinations adversely affects the immune system, making the students more susceptible to infection. Which of the following laboratory findings in these students during examination week is most likely to support this hypothesis?

- A. Decreased AM serum cortisol concentration
- B. Decreased macrophage activity
- C. Increased basophil count
- D. Increased lymphocyte count
- E. Increased natural killer cell activity

Correct Answer: B

QUESTION 3

Which of the following toxins blocks Sodium Channels?

- A. Strychnine
- B. Neostigmine
- C. Tetrodotoxin
- D. Curare

Correct Answer: C

**QUESTION 4**

A 45-year-old male who has a BMI of 42 kg/m² undergoes a myocardial perfusion scintigraphy due to frequent chest pain during strenuous activities. An angiogram had earlier revealed a 95% occlusion in the proximal segment of his left circumflex coronary artery. There were no changes in the other coronary arteries. The most likely other finding in this patient is

- A. inducible myocardial ischemia in the anterior segment of the left ventricle
- B. inducible myocardial ischemia in the anteroseptal segments of the left ventricle
- C. inducible myocardial ischemia in the inferior segments of the right ventricle
- D. inducible myocardial ischemia in the inferolateral segment of the left ventricle
- E. inducible myocardial ischemia in the septal segments of the left ventricle

Correct Answer: D

Explanation:

The left circumflex coronary artery supplies the lateral (or posterolateral) and posterior walls of the left ventricle as well as the anterolateral papillary muscles of the left ventricle. An occlusion of this coronary artery will cause diminished blood flow in these areas and inducible ischemia.

QUESTION 5

A technician wants to determine whether cytomegalovirus (CMV) DNA is present in the blood of a bone marrow transplant recipient. DNA purified from the leukocytes of the patient is reacted in a mixture containing oligonucleotides specific for CMV DNA, thermostable DNA polymerase, and nucleotides. Repetitive cycles of heating and cooling are performed, and the reaction product is detected by gel electrophoresis. The technician most likely used which of the following laboratory procedures on this patient's blood?

- A. Northern blotting
- B. Polymerase chain reaction
- C. Reverse transcription
- D. Southern blotting
- E. Western blotting

Correct Answer: B