

Critical Care Certification Examination Practice Questions and Answers 2024

CASE 1

Mr. Jackle, 68 yrs old, is admitted with hypotension and respiratory distress requiring intubation following a large ST elevation anterior-lateral wall myocardial infarction.

Case 1: Question 1

Blueprint Competency Being Tested: 2.1a

1. Shortly after insertion of a right subclavian catheter, he develops worsening shortness of breath and bibasilar crackles. Blood is noted to be backing up from the central venous catheter and his oxygen saturation decreases with supine positioning. Which one of the following problems is consistent with these findings?

- a. Pulmonary embolus
- b. Right heart failure
- c. Cardiac pulmonary edema
- d. Hemopneumothorax

Rationale for Correct Response:

c) Anterior wall MI is typically associated with left ventricular dysfunction with increased left ventricular pressures. High left ventricular pressures back up to the pulmonary system, causing pulmonary congestion. Hallmarks of cardiac pulmonary edema include bibasilar crackles and orthostatic hypoxemia or distress. Elevated pulmonary pressures are transmitted to the right side of the heart and cause CVP elevation (blood backing up from central line) and peripheral edema.

Although pulmonary embolus, hemopneumothorax or right heart failure can cause right atrial pressure elevation, the scenario is more consistent with right atrial pressure elevation secondary to left heart failure.

Case 1: Question 2

Blueprint Competency Being Tested: 2.1b

2. Mr. Jackle will be monitored for signs of reinfarction. Which one of the following lab tests would best indicate reinfarction?

- a. Creatinine kinase
- b. Cardiac troponin
- c. Lactate dehydrogenase
- d. Venous oxygen saturation

Rationale for Correct Response:

Critical Care Certification Practice Exams

Alexander Johnson, Hillary Crumlett



Critical Care Certification Practice Exams:

Critical Care Certification Thomas Ahrens, Donna Prentice, 1998 Provides a review for nurses preparing for critical care certification through the CCRN exam and those who wish to keep apprised of the current updates in the field The text is organized to reflect the eight conceptual areas required for the exam

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Critical Care Thomas Ahrens, Donna Prentice, 1993-01-01

Critical Care, Certification Practice Exams Thomas Ahrens, 1991

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