

RN Learning System Medical-Surgical Cardiovascular And Hematology Practice Quiz Answer Key PDF

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What are potential complications of untreated hypertension? (Select all that apply)

- A. Stroke ✓**
- C. Osteoporosis
- D. Heart attack ✓**
- C. Kidneys damage ✓**

Which of the following are anticoagulant medications? (Select all that apply)

- A. Warfarin ✓**
- C. Metformin
- D. Heparin ✓**
- C. Aspirin

Which diagnostic tests are used to evaluate heart function? (Select all that apply)

- A. Echocardiography ✓**
- C. Cardiac catheterization ✓**
- D. Spirometry
- C. MRI of the brain

What are the ethical considerations when obtaining informed consent for a cardiac catheterization procedure?

Key ethical considerations include ensuring patient comprehension, assessing decision-making capacity, providing adequate information about risks and benefits, and confirming that consent is given voluntarily.

Discuss the nursing interventions for a patient experiencing an acute myocardial infarction.

Key nursing interventions include: 1) Assess and monitor vital signs and cardiac rhythm, 2) Administer prescribed medications (e.g., aspirin, nitroglycerin, anticoagulants), 3) Provide supplemental oxygen if needed, 4) Establish IV access for medication administration, 5) Monitor for complications (e.g., arrhythmias, heart failure), 6) Provide emotional support and education regarding lifestyle modifications and medication adherence.

Describe the pathophysiology of sickle cell anemia and its impact on the body.

The pathophysiology of sickle cell anemia involves a mutation in the beta-globin gene, resulting in the production of sickled hemoglobin (HbS). These sickled red blood cells can obstruct blood vessels, leading to pain, organ damage, and increased risk of infections.

How can patient education on lifestyle modifications reduce the risk of cardiovascular disease?

Patient education on lifestyle modifications can reduce the risk of cardiovascular disease by promoting healthier habits, such as improved diet, regular physical activity, and smoking cessation.

What is the main cause of iron deficiency anemia?

- A. Excessively iron intake
- C. Insufficient dietary iron ✓**
- D. High calcium levels
- C. Low vitamin D levels

Which conditions are classified as hematologic disorders? (Select all that apply)

- A. Leukemia ✓**
- C. Anemia ✓**
- D. Diabetes
- C. Hypertension

Which of the following is a common symptom of heart failure?

- A. Jaundice
- C. Frequent urination
- D. Rashes

C. Shortness of breath ✓

Which blood component is primarily responsible for clotting?

- A. Red blood cells
- C. Platelets ✓**
- D. Plasma
- C. White blood cells

Which of the following are common signs of myocardial infarction? (Select all that apply)

- A. Chest pain ✓**
- C. Headache
- D. Sweating ✓**
- C. Nausea ✓**

What is the primary purpose of an ECG/EKG?

- A. To measure blood pressure
- C. To record the electrical activity of the heart ✓**
- D. To evaluate lung function
- C. To assess heart valve function

What is the primary function of the left ventricle in the heart?

- A. To pump blood to the lungs
- C. To pump oxygenated blood to the body ✓**
- D. To receive deoxygenated blood from the body
- C. To receive oxygenated blood from the lungs

Which medication is commonly used to treat hypertension?

- A. Insulin
- C. Antibiotics
- D. Antihistamines
- C. Beta-blockers ✓**

Which of the following is a risk factor for coronary artery disease?

- A. Low cholesterol levels
- C. Smoking ✓**
- D. High fiber diet
- C. Regular exercise

Which lifestyle changes can help manage cardiovascular disease? (Select all that apply)

- A. Smoking cessation ✓**
- C. High-fat diet
- D. Regular exercise ✓**
- C. Stress reduction ✓**

What is the primary goal of coronary artery bypass graft (CABG) surgery?

- A. To replace damaged heart valves
- C. To remove blood clots
- D. To repair heart muscle damage
- C. To increase blood flow to the heart muscle ✓**

Outline the steps involved in performing CPR and the rationale behind each step.

1. Check responsiveness: Tap the person and shout to see if they respond. 2. Call for help: If unresponsive, call emergency services or ask someone else to do so. 3. Perform chest compressions: Place hands on the center of the chest and push hard and fast (100-120 compressions per minute) to circulate blood. 4. Provide rescue breaths: After every 30 compressions, give 2 rescue breaths if trained, ensuring the airway is open. 5. Continue cycles of compressions and breaths until emergency services arrive or the person shows signs of life.

Explain the role of the conduction system in the heart and its importance in maintaining normal cardiac function.

The conduction system includes structures such as the sinoatriAL node, atrioventricular node, bundle of His, and Purkinje fibers, which work together to initiate and propagate electrical signals that control heart contractions.