

QUESTION

A 65-year-old male patient with a long history of hypertension and hyperlipidemia presents to the emergency department with acute-onset chest pain and shortness of breath. The patient reports a tearing sensation in the chest that radiates to the back. Physical examination reveals tachycardia and a new murmur. An electrocardiogram (ECG) shows ST-segment depression in leads V1-V4. The patient's blood pressure is 180/100 mmHg. The most likely diagnosis is:

- A. Myocardial infarction
- B. Aortic dissection
- C. Pulmonary embolism
- D. Pericarditis
- E. Coronary artery spasm

ANSWER: B

QUESTION



The diagram illustrates the four chambers of the heart: the right atrium (RA), right ventricle (RV), left atrium (LA), and left ventricle (LV). The right side of the heart (RA and RV) receives deoxygenated blood, while the left side (LA and LV) pumps oxygenated blood.

ANSWER: B