

## QUESTION

A 65-year-old male patient with a long history of hypertension and hyperlipidemia presents to the emergency department with acute chest pain. The patient reports a sharp, tearing pain that radiates to his back. He has a blood pressure of 180/110 mmHg, a heart rate of 100 bpm, and an oxygen saturation of 92% on 2L oxygen. Physical examination is unremarkable. An ECG shows sinus tachycardia. A chest X-ray is normal. The patient is diagnosed with aortic dissection.

Question	Answer
What is the most likely cause of the patient's chest pain?	Aortic dissection
What is the most likely mechanism of the patient's chest pain?	Dissection of the aorta
What is the most likely location of the patient's chest pain?	Sharp, tearing pain radiating to the back
What is the most likely physical examination finding in the patient?	Normal physical examination
What is the most likely ECG finding in the patient?	Sinus tachycardia
What is the most likely chest X-ray finding in the patient?	Normal chest X-ray

ANSWER: Aortic dissection

## QUESTION

A 65-year-old male patient with a long history of hypertension and hyperlipidemia presents to the emergency department with acute chest pain. The patient reports a sharp, tearing pain that radiates to his back. He has a blood pressure of 180/110 mmHg, a heart rate of 100 bpm, and an oxygen saturation of 92% on 2L oxygen. Physical examination is unremarkable. An ECG shows sinus tachycardia. A chest X-ray is normal. The patient is diagnosed with aortic dissection.

Question	Answer
What is the most likely cause of the patient's chest pain?	Aortic dissection
What is the most likely mechanism of the patient's chest pain?	Dissection of the aorta
What is the most likely location of the patient's chest pain?	Sharp, tearing pain radiating to the back
What is the most likely physical examination finding in the patient?	Normal physical examination
What is the most likely ECG finding in the patient?	Sinus tachycardia
What is the most likely chest X-ray finding in the patient?	Normal chest X-ray

ANSWER: Aortic dissection