

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 15-minute episode of severe, crushing chest pain radiating to the left arm and jaw. He is currently on amlodipine and atorvastatin. The patient's vital signs are stable, and physical examination is unremarkable. The electrocardiogram (ECG) shows ST-segment depression in leads II, III, and aVF, and ST-segment elevation in leads V1, V2, and V3. The patient's troponin T level is elevated. The patient is diagnosed with a non-ST-elevation myocardial infarction (NSTEMI).

Parameter	Value	Reference Range
ECG	ST-segment depression in leads II, III, and aVF; ST-segment elevation in leads V1, V2, and V3	Normal
Troponin T	0.05 ng/mL	<0.01 ng/mL
ECG	Normal sinus rhythm, rate 72 bpm, PR 160 ms, QRS 90 ms, QT 380 ms	Normal
ECG	Normal sinus rhythm, rate 72 bpm, PR 160 ms, QRS 90 ms, QT 380 ms	Normal

QUESTION

QUESTION



Parameter	Value	Reference Range
ECG	Normal sinus rhythm, rate 72 bpm, PR 160 ms, QRS 90 ms, QT 380 ms	Normal
ECG	Normal sinus rhythm, rate 72 bpm, PR 160 ms, QRS 90 ms, QT 380 ms	Normal

QUESTION