

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 pain is described as a heavy, crushing pressure in the center of the chest, lasting for approximately 30 minutes. The patient has a history of smoking 20 cigarettes per day for 30 years and has a family history of premature coronary artery disease. He is currently on amlodipine and atorvastatin. The patient is in the emergency department for 45 minutes before the arrival of the cardiac catheterization laboratory team. The patient's vital signs are stable, and he is in no acute distress. The 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 I level is 0.15 ng/mL, and his creatine phosphokinase-MB level is 120 U/L. The patient is scheduled for a primary percutaneous coronary intervention (PPCI) for an acute anterior wall myocardial infarction (MI). The patient's medical history is significant for hypertension, hyperlipidemia, and a recent diagnosis of atrial fibrillation. The patient is currently on warfarin and aspirin. The patient's current medications are amlodipine, atorvastatin, warfarin, and aspirin. The patient's last warfarin dose was 5 mg 24 hours before presentation. The patient's INR is 2.8. The patient's current medications are amlodipine, atorvastatin, warfarin, and aspirin. The patient's last warfarin dose was 5 mg 24 hours before presentation. The patient's INR is 2.8.

Parameter	Value	Reference Range
Heart Rate	72 bpm	60-100 bpm
Blood Pressure	120/80 mmHg	90-120/60-80 mmHg
Respiratory Rate	18 breaths/min	12-20 breaths/min
Oxygen Saturation	98% on RA	95-100%
Temperature	37.2°C	36.1-37.8°C
ECG	ST-segment depression in leads II, III, and aVF; ST-segment elevation in leads V1, V2, and V3	Normal
Troponin I	0.15 ng/mL	<0.04 ng/mL
CK-MB	120 U/L	<5 U/L
INR	2.8	0.8-1.2

What is the most appropriate management for this patient?

1. Administer aspirin and clopidogrel, followed by PPCI.

ANSWER



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