

Mock EHR for STEMI Patient

Patient Information

Name: John Doe

Age: 55

Sex: Male

Medical History: Hypertension, Hyperlipidemia

Presenting Complaint

Symptoms: Severe chest pain radiating to the left arm, lasting more than 30 minutes, shortness of breath, nausea, sweating.

Onset: Approximately 2 hours prior to hospital admission.

Vital Signs

Blood Pressure: 150/90 mmHg

Heart Rate: 110 bpm

Respiratory Rate: 22 breaths/min

Temperature: 98.6°F (37°C)

Oxygen Saturation: 94% on room air

Physical Examination

General Appearance: Diaphoretic, anxious

Cardiovascular Examination: Tachycardia, no murmurs, rubs, or gallops

Respiratory Examination: Clear to auscultation bilaterally

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Laboratory Tests

Troponin I: Elevated (0.5 ng/mL; reference range: <0.04 ng/mL)

Creatine Kinase-MB (CK-MB): Elevated

Complete Blood Count (CBC): Within normal limits

Lipid Profile: Elevated LDL cholesterol levels

Electrolytes: Within normal limits

Electrocardiogram (ECG)

Findings: ST-segment elevation in anterior leads (V2-V4), consistent with acute anterior wall myocardial infarction.

Echocardiography

Findings: Reduced left ventricular ejection fraction (LVEF), indicating impaired left ventricular function.

Diagnosis

Primary Diagnosis: Acute ST-Elevation Myocardial Infarction (STEMI)

Secondary Diagnoses: Hypertension, Hyperlipidemia