

HISTORY

HPC	<ul style="list-style-type: none">• Duration symptoms• Speed of onset: Sudden / Gradual• Chest Pain location: Central / Arm / Neck-Jaw / Back• Chest Pain nature: Pleuritic / Tender• Aggravating / Easing: Exertion / Position• Associated symptoms: Nausea / Sweating / SOB / Syncope / Palpitations• Cough: Sputum / Haemoptysis• PE risk factors: Recent surgery / Immobility• Chest trauma: Including surgery• Recent viral illness
PMH	<ul style="list-style-type: none">• Cardiac: IHD / MI / Heart failure / Angina• PE risk factors: Cancer / Previous DVT / PE / flights• Cardiac risk factors: Diabetes / Hypertension / High cholesterol• Hiatus hernia / GORD
DH	<ul style="list-style-type: none">• GTN / Isosorbide Mononitrate• NSAID / Steroids• Digoxin• Beta-blockers• VTE prophylaxis
SH / FH	<ul style="list-style-type: none">• Smoking status: Non / Current / Ex• VTE / IHD risk factors: 1st degree FH• Sudden death: 1st degree FH

EXAMINATION

GENERAL OBSERVATIONS	<ul style="list-style-type: none">• Increased work of breathing• Distressed / Sweating• Patient cyanosed• Patient adopting forward leaning position
AIRWAY	<ul style="list-style-type: none">• Ensure airway patent
BREATHING	<ul style="list-style-type: none">• Physical Observation: FiO₂ / RR / SaO₂• Tracheal position: Central / Deviated• Auscultation: Crackles / Air entry / Bronchial breathing• Percussion note: Dull / Hyperresonant• Chest expansion: Equal / Unequal• Sputum: Yellow-Green / Haemoptysis
CIRCULATION	<ul style="list-style-type: none">• Physical Observation: HR / BP (both arms)• Pulse: Regular / Irregular / Volume• Heart sounds: Murmurs• JVP: Not visible / <2cm / Raised• Calves: SNT / Erythema / Painful• Hydration status: CRT / Mucus membranes• Peripheries: Unilateral swelling / Bilateral swelling / Pitting oedema / Sacral oedema
DISABILITY	<ul style="list-style-type: none">• Physical Observation: Temp• GCS
EXPOSURE	<ul style="list-style-type: none">• Sternum / Chest: Bruising / Palpation tenderness• Abdo: SNT / Distended / Epigastric tenderness

INVESTIGATIONS

BLOODS	<ul style="list-style-type: none">• FBC / U&E / CRP• LFT• Troponin: Serial• D-Dimer: If suspected DVT/PE and WELLS <4	
ABG	<ul style="list-style-type: none">• pH• pO₂ / pCO₂• HCO₃⁻• Lactate	
CXR	<ul style="list-style-type: none">• Consolidation• Effusion• Collapse• Pneumothorax	
ECG	<ul style="list-style-type: none">• Serial: Dynamic changes• Rate• Rhythm: Arrhythmia• Ischaemia: ST segment / T wave inversion / New LBBB• Right heart strain: Right Axis / S1Q3T3	
MICRO	<ul style="list-style-type: none">• Cultures: If Temp > 38• Sputum: MC&S	
CTPA	<ul style="list-style-type: none">• +ve D-Dimer• WELLS score ≥ 5• PE	DISCUSS WITH SENIOR
CT ANGIOGRAM	<ul style="list-style-type: none">• Suspected Aortic dissection	DISCUSS WITH SENIOR

POTENTIAL DIFFERENTIALS

ACS	PE	PNEUMOTHORAX
PNEUMONIA	TACHYARRHYTHMIA	MUSCULOSKELETAL CHEST PAIN
AORTIC DISSECTION	PERICARDITIS	ANGINA
GORD		