

Question 30

You are an F1 doctor in the Emergency Department (ED) at Compassion Hospital. Your supervising consultant is Dr Chase.

Your bleep number is 26781. GMC - 8018315

Patient Details

Name: Mr Michael Smith

Date of Birth: 01/03/1963

Patient number: X3219876

Address: Surgical Street, Medical Town, Tyne and Wear, NE1 1AB

History

Michael was admitted to the ED with severe chest pain. He describes the chest pain as occurring suddenly and reaching 10/10 intensity within seconds, this started 30 minutes ago. There was no obvious trigger for the onset of the pain.

Now the pain is 8/10. He is also experiencing back pain in the upper thoracic region. He does not report any other symptoms after a thorough systems review.

He has a past medical history of hypertension. He has no previous history of cardiac events.

Drug history:

- Lisinopril 20 mg OD
- Amlodipine 10 mg OD

Clinical examination:

- Capillary refill 3 seconds peripheral, 2 seconds central
- Normal heart sounds
- No tenderness on palpation
- All upper and lower limb pulses palpable
- No leg swelling, oedema, or tenderness

Investigations

Oxygen saturations	96% (room air)
Blood pressure	195/112 mmHg
Pulse	98 beats per minute
Respiratory rate	21 breaths per minute
Temperature	37.1 °C

Electrocardiogram – sinus tachycardia, no evidence of ischaemic changes (as confirmed by Dr Chase.)

Task

Please request the most appropriate cross-sectional imaging test for this patient, specifically commenting on your suspected diagnosis

REQUEST FOR RADIOLOGICAL OPINION			
Surname: Smith		Ward/Clinic/Practice: Emergency Department	
First Names: Michael			
Address: Surgical Street, Medical Town Tyne and Wear, NE1 1AB		DOB: 01/03/1963 Patient No: X3219876	Consultant/GP: Dr Chase
			WALK <input type="checkbox"/> CHAIR <input type="checkbox"/> TROLLEY <input checked="" type="checkbox"/> BED <input type="checkbox"/> OXYGEN <input type="checkbox"/> DRIP <input type="checkbox"/> PORTABLE EXAM <input type="checkbox"/>
Patient's telephone number: Unknown		Previous X-rays – unknown/not applicable	Is the patient pregnant? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> LMP Date:
<i>Relevant clinical information:</i> 60 year old male. Presented with sudden onset 10/10 chest pain, pain now 8/10, with associated upper thoracic/inter-scapular back pain Past medical history of hypertension (on amlodipine and lisinopril/ACE inhibitor) Significantly elevated BP (195/112). ECG shows sinus tachycardia with no evidence of ischaemic changes No clinical signs of DVT		Is the patient diabetic? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> CT/Angio/IVU exams please state Creatinine level: Unknown	Are specific infection control precautions required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, state reason:
Suspected diagnosis: aortic dissection Request urgent imaging to identify/exclude aortic dissection		Office use only	
Suggested investigation: (urgent) CT angiogram chest/abdomen/pelvis OR CT angiogram aorta			
Requesting MO: Dr A Doctor		Electronically signed	Today's Date
			Contact/Bleep: 26781

