

OSCE

Candidate information

Your RMO has asked for help with an ECG and management of a patient.

The patient is a 40 year old male who presented with chest pain for one hour. He has a history of high cholesterol, and is on no regular medication except for a weight lifting supplement used to “build up muscle”.

The RMO was unable to find you, so discussed the patient with the Cardiology RMO, who asked him to treat the patient for hyperkalaemia due to muscle supplementation, and discharge him if his repeat ECG post-treatment was normal.

The RMO is unsure of the treatment for hyperkalaemia and has approached you for help.

Domain	%
Medical expertise	60
Prioritisation and decision making	20
Communication	
Teamwork and collaboration	
Leadership and management	
Health advocacy	
Scholarship and teaching	20
Professionalism	

LMCA STEMI misdiagnosis

Actor (RMO) information

You have been seeing a 40 year old male who presented with one hour of chest pain. The patient has no history except for high cholesterol, but has been taking a gym supplement to “build up muscle”. You discussed the patient with the Cardiology RMO because you couldn’t find your consultant.

The Cardiology RMO said to treat for hyperkalaemia and discharge the patient if the repeat ECG was normal.

You have approached your consultant to ask how to treat hyperkalaemia and to get him to sign the ECG.

Prompts:

- Does the patient need a medical admission for his hyperkalaemia?
- Why is the ECG concerning if there is no STE present?

Marking:

- Identifies concerning ECG – proximal/LMCA stenosis with widespread ischaemic changes
- Addresses knowledge gaps in RMO (and Cards RMO)
- Explains this is a STEMI equivalent
- Management of patient (ACS)
- Follows up Cards RMO knowledge gap, or at least indicates will do so
- May go into need to discuss with ED consultant rather than Cards RMO for this reason.....

	Mark
Identifies concerning ECG – LMCA stenosis	2
Identifies this as a STEMI equivalent	2
Explains management of this as ACS – DAPT, heparin, etc	2
Addresses knowledge gap in RMO and Cards RMO	1
May discuss need for pt review by ED consultant rather than junior Cards RMO	1
Approach to teaching – structured, open, etc	1
Offers other teaching resources/further teaching sessions	1

