

OSCE

Candidate information

Your RMO has been seeing a patient who presented with chest pain this morning. He had two episodes of sharp, electric chest pain lasting seconds each. He is now asymptomatic, and your RMO is unsure of further management.

Please discuss the case with your RMO and answer any questions they have.

Domain	%
Medical expertise	60
Prioritisation and decision making	
Communication	
Teamwork and collaboration	
Leadership and management	
Health advocacy	
Scholarship and teaching	40
Professionalism	

TITLE – PPM malfunction

Actor (RMO) information

You have been seeing John, a 75 yo male who presented after two short episodes of chest pain this morning. The pain was electric in nature and lasted seconds. He has a history of an out of hospital cardiac arrest in 2017.

You are unsure of the cause of his pain, as bloods were unremarkable and you did not see any ischaemic changes on the ECG. John is keen to go home now the pain has resolved.

You are discussing the case with your consultant. You have not realised that the patient has an AICD/PPM in situ. When the consultant points this out, you may provide them with the defibrillator card supplied and ask them what the letters mean.

Prompts:

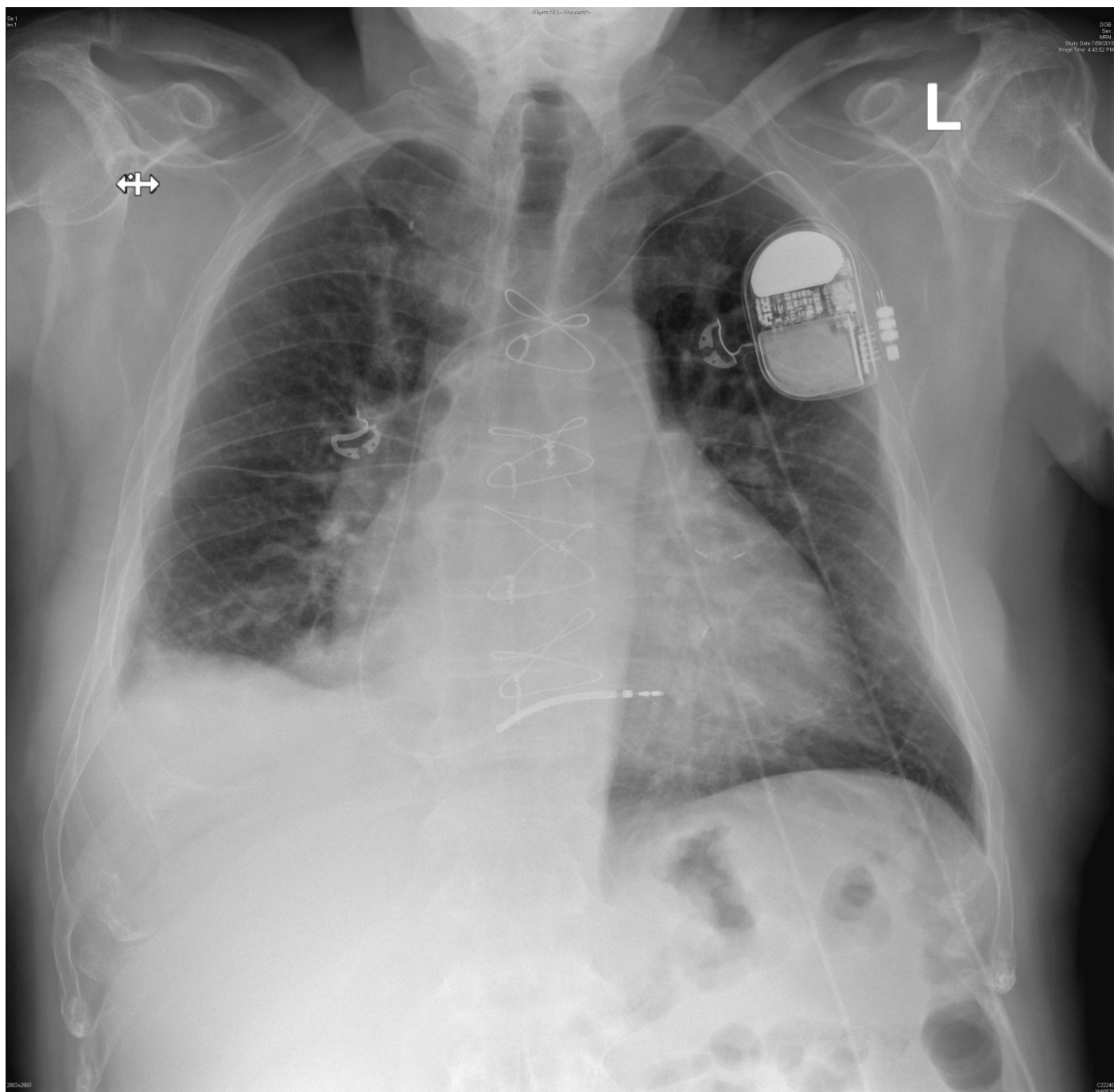
- What could have caused his chest pain?
- What does the ECG show?
- What can cause a PPM/AICD to malfunction?
- Does a magnet turn off the PPM?
- What do the letters mean on his defibrillator card?

Marking:

	Mark
Accurately interprets ECG as ventricular paced rhythm	2
Identifies PPM/AICD on CXR	2
Gives at least two causes of PPM/AICD malfunction	1
Appropriate investigations: PPM interrogation , bloods	1
Explains coding on PPM and explains effect of magnet on device*	2
Suggests cause of chest pain as AICD malfunction or ischaemia	1
Disposition – cardiology under monitored bed	1

*PPM coding: where it paces, where it senses, what it does, programmability, antitachyarrhythmic function

Magnet will switch it to asynchronous (non-sensing) mode



Mr John Smithson

DOB 04/11/1943

Device: Biotronik Iperia 7

Device settings: VDD