

## Clinical Scenarios

**A 78-year-old man presents with shortness of breath after a knee replacement.**



He feels faint but has not passed out. His shortness of breath has been present for three hours. He also has left-sided chest pain that worsens on deep inspiration.

He had a knee replacement ten days ago. He has been slow to mobilise due to poorly controlled pain. His current vital signs reveal a fever of 38.0°C, heart rate 120 bpm, BP 95/65 mmHg, and an O<sub>2</sub> saturation on room air of 91%. His ECG shows tachycardia.



What is the most likely diagnosis?



What tests would you request?



What treatment would you advise?

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