

# Case 14

You are an F2 working in the Emergency Department (ED) at General Hospital. Your consultant is Dr Snook.

Your bleep number is 1997

Patient name: Tanya Blair

Date of birth: 23<sup>rd</sup> September 1964

Patient number: X010279910

Mrs. Blair presents to ED with sudden onset dizziness, breathlessness, and pleuritic chest pain. She had orthopaedic surgery to repair a broken left ankle 7 days ago and has been 'resting up' at home.

The patient has a past medical history of asthma and hypertension.

Her medications include lisinopril, codeine and a salbutamol inhaler (PRN).

On examination the patient is pale and tachypnoeic, her airway is patent and both lungs are clear on auscultation. Heart sounds I – II + 0. Capillary refill time is <3 seconds. Abdomen soft and non-tender. There is pain and swelling and tenderness in the patient's left calf.

## Investigations

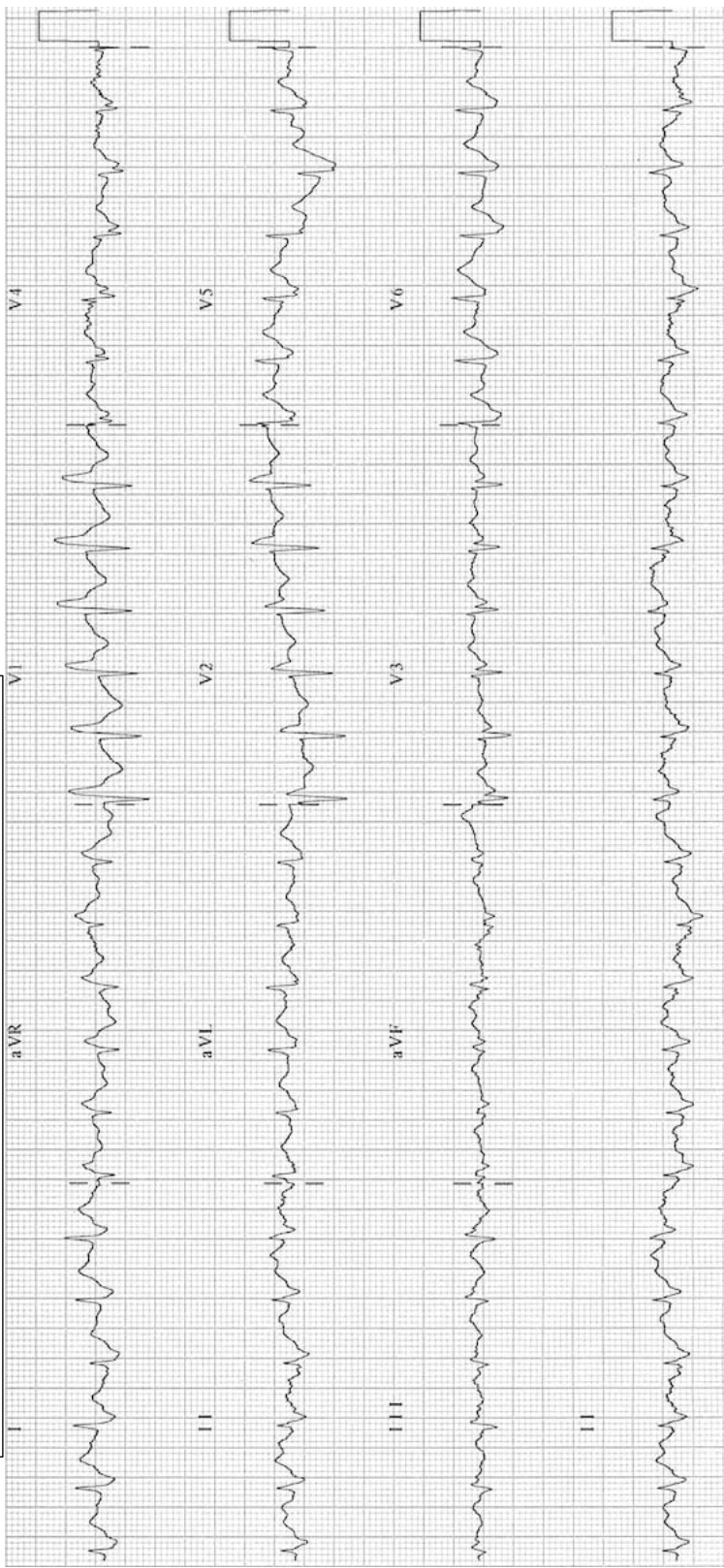
Pulse	144 beats per minute
Blood pressure	105/64 mmHg
Respiratory rate	20 breathes per minute
Oxygen saturations	90% (room air)
Temperature	36.2 degrees Celsius

The patient is given high-flow oxygen through a non-rebreather mask.

A chest x-ray and appropriate blood tests are ordered.

ECG results are below:

Patient: Tanya Blair  
 DOB: 23/09/1964 Hospital #: X010279910  
 Time: 09:50 Date: 25/03/2023  
 Paper speed 25mm/sec. Calibration 10mm/mV  
 QT/QTc: 280ms/434ms



## Task

Please report and interpret the results of the ECG on hospital notepaper. Comment on the rate, rhythm, axis, P waves, PR interval, QRS complex, T waves, ST segment and QT interval.

Make sure to include the most likely diagnosis and what the next steps in management should be.

