

Bradycardia

A 76 yr old woman presents to your ED complaining of dizziness and shortness of breath. Here is her ECG



Describe what you see on this ECG, concerning the rhythm (2 marks)

Increasing PR interval and then missed beat

What is this rhythm called (1 mark)

Mobitz type 1 (wenkebach)

What are the adverse signs in bradycardia? (2 marks)

SBP < 90 mmHg

HR < 40

Vent arrhythmias requiring suppression

Heart Failure

Assuming one of these was present, What would be your action? (1 mark)

Atropine 500mcg iv

If there was satisfactory response to this, how would you assess risk of asystole? (2 M)

Recent asystole

Mobitz 2 AV block

Complete Heart block with broad QRS

Ventricular pause > 3s

If risk of asystole was there, what interim measures could be instituted in the ED before definitive management? (2M)

Atropine 500mcg iv up to 3 mg

Transcutaneous pacing

Or Epinephrine 2-10 mcg/min

