

Case 5

You are the Foundation Year 2 doctor at General Hospital.

Bleep number: 3141

GMC number: 11235813

Patient details

Patient name: Abigail Johnson

Date of birth: 12/3/1945

Patient number: 271 828 183

Weight: 67kg

Height: 164cm

History

Abigail presented to the ED via ambulance after being found collapsed at home. Her husband found her in the bathroom. She has a 2-day history of diarrhoea and vomiting and is intermittently conscious.

She has a past medical history of atrial fibrillation and rheumatoid arthritis.

She is currently taking digoxin 125 micrograms OD and has no known drug allergies.

Examination

Respiratory Rate 22

SpO₂: 94%

Heart rate: 112bpm

Blood pressure: 88/54mmHg

Temperature 37.8°C

Responds to voice.

Investigations

Abigail's ECG shows widespread ST depression, T wave flattening and prominent U waves.

Full blood count values were all within the normal range.

Urea and Electrolytes:

Urea	7.4	2.5-6.5
Creatinine	130	62-115
eGFR	34	>90
Na ⁺	125	133-146
K ⁺	2.9	3.5-5
Cl ⁻	94	98-110
Mg ⁺	0.7	0.7-1.0

eGFR 1 month ago: 72

Task

Abigail has already been prescribed a bolus of fluid for resuscitation.

Prescribe maintenance fluids for Abigail for the next 24 hours including, if necessary, any electrolyte replacement.

