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.

Intravenous infusion and additive record

Patient's name Abigail Johnson Patient number: 271 828 183

USE CHART FOR 24 HOUR PERIOD ONLY

PRESCRI	Date/Time	1/1/23	12:00		
PRESCRIPTION (All IV fluids to be prescribed generically)	Infusion fluid	0.9% Sodium	Chloride		
ds to be p	Volume	SOOM			
rescribed gene	Drug Additive				
rically)	Rate ml/hr	STAT			
	Doctor's Signature	STAT A Brown			
	Batch no. Expiry date				
TRATIO	Set up by				
Ž	Checked Start/stop by time				
	Start/stop time				