

A 27 year old woman is brought in by housemates to your tertiary ED. She had been not seen for 2 days and was found beside her bed slumped on the floor.

Her observations are:

GCS	13	
P	128	/min
BP	95/50	mmHg
T	34.7	°C

Her biochemistry shows:

Sodium	136	mmol/L	137-145
Potassium	4.0	mmol/L	3.2-5.0
Chloride	92	mmol/L	98-111
Bicarbonate	23	mmol/L	22-31
Urea	23.2	mmol/L	2.5-7.5
Creatinine	424	µmol/L	60-110
Est. of GFR	15	mls/min	>90
Glucose	3.6	mmol/L	3.5-5.5
Osmol-calc	292	mmol/L	280-300

Bili Tot.	10	umol/L	2-20
ALT	720	U/L	<55
AST	150	U/L	5-50
ALKP	89	U/L	20-110
GGT	23	U/L	15-73

CK	>103000	U/L	20-200
CRP	1.2		<10

a. What are the 3 most important abnormalities on the biochemistry? (3 marks)

b. List the principles of your fluid management. (4 marks)

c. List 6 differential diagnoses. (6 marks)