

A 15 year old farmers daughter presents with a 5 day history of RUQ pain. On examination she is pyrexial at 38.4⁰ C. She looks unwell and jaundiced. Her parents say she has been unhappy at home for the past month, since they came back from holiday in Egypt

Investigations are as follows

Hb 8g/dl
WCC 18.8
Plt 140
Retic 20%
No fragmented red cells seen
PT 36 (control 12)
APTT 59 (control 45)

Na ⁺	136
K ⁺	4.9
U	26
Cr	400
Bil	50
AST	900
ALP	300
Albumin	33

HepB sAg	Absent
HCV Ab	Absent
CMV serology	Absent
Monospot	Negative

1. Suggest two possible infective diagnoses. (4 marks)

Leptospirosis (Weil's disease)

Hepatitis A

2. Suggest two possible non-infective diagnoses (4 marks)

Paracetamol overdose

Iron overdose

3. Give 2 possible causes for the anaemia (2 marks)

Blood loss 2ndry to poor coagulation

Haemolysis

4. If fragmented red cells had been seen, what would this suggest? (1 mark)

Haemolytic uraemic syndrome