

AASAQ back pain man

A 76 year old man presents with 5 weeks of back pain and gradual loss of mobility. His daughter says that whilst he used to be completely independent and walk several miles a day, he now needs help around the house and his exercise tolerance is reduced to 50m before he becomes short of breath. Over the past 24 hrs he has become drowsy

FBC

Hb 8.2

Plt 45

WCC 4.3

Na⁺ 145

K⁺ 5.5

U 18.7

Cr 324

Give two possible causes of his drowsiness 2marks

Renal failure

Hypercalcaemia

What is the cause of his decreased exercise tolerance? 1 mark

Anaemia

What is the unifying diagnosis? 2 marks

Multiple myeloma

Name one blood and one non-blood test you could use to confirm the overall diagnosis, and the expected results 4 marks

Urine Bence-Jones protein

Plasma electrophoresis – monoclonal bands

Name one further Biochemical test you would like to perform urgently 1 mark

Calcium