

OSCE

Candidate information

Your intern has been seeing Con, a 90 year old man with abdominal pain. Con is usually well, lives at home with his wife, and has no past medical history of note. He is on no regular medications.

The intern has done bloods and is unsure how to interpret them.

Please assist your intern with interpretation of the results and management of this patient.

Domain	%
Medical expertise	50
Prioritisation and decision making	30
Communication	
Teamwork and collaboration	
Leadership and management	
Health advocacy	
Scholarship and teaching	20
Professionalism	

Acute leukaemia with DIC

Actor (intern) information

You have been seeing Con, a 90 year old man who lives at home with his wife. He has no medical history and takes no medications. He has presented with abdominal pain. You have done bloods, and are unsure how to interpret them. You have approached your consultant for help with interpretation of the results and management of the patient.

Prompts:

- What do the bloods show?
- What are the causes of DIC?
- How should this be managed?

Marking:

- o Causes of DIC = HOT MISS (hepatic, obstetric, trauma, malignancy, immune, sepsis, shock)
- o Management of DIC: Treatment includes correction of the cause and replacement of platelets, coagulation factors (in fresh frozen plasma), and fibrinogen (in cryoprecipitate) to **control** severe bleeding. Heparin is used as therapy (or prophylaxis) in patients with slowly evolving **DIC** who have (or are at risk of) venous thromboembolism.
- o CT CAP – chest, abdo, pelvis looking for malignancy

	Mark
Identifies acute leukaemia from bloods	2
States at least 4 causes of DIC	2
Management of DIC	1
Acute management of patient – analgesia, IVT, etc	1
Investigations – blood film, CT CAP*, etc	2
Disposition – medics	1
Approach to intern	1

Blood results (preliminary, serum)

Hb 154

WCC 41.4

Plat 20

CRP 121

Blasts 7%

Na 135

K 3.5

Cl 92

HCO₃ 20

Urea 9

Creat 164

Urate 0.698

LDH 685

Coags

INR 2.3

D dimer 6.4

Fibrinogen 0.9 (2-4 g/L)