

Year 4 Emergencies – Candidate instructions

You have been asked to see Jonathan Birch, a 62 year old man who is being treated for Multiple Myeloma.

They are currently being assessed by a nurse.

You have 10 mins and you are expected to:

- Perform a A to E assessment, asking the nurse for any history, observations and clinical signs (6 minutes)
- Review the investigations and summarise the case, explaining diagnosis and further management to the examiner (4 minutes)

Year 4 Emergencies – Patient instructions

Handover:

- Appears drowsy and seems confused in conversation
- Being treated palliatively for Multiple Myeloma with IV Morphine
- Morphine prescription is correct
- No other medical or drug history

Patient instructions:

- Drowsy and Confused, but able to confirm name and age

Airway: Patent

Breathing:

- Respiratory Rate: 8
- SpO₂: 93%
- Tracheal not deviated, Symmetrical chest expansion
- Normal Percussion, Auscultation

- Investigations to request: ABG/ VBG
- Interventions
 - Nasal Cannula 2L Oxygen
 - Stop IV Morphine, IV Naloxone 400mcg initially

Circulation:

- Pulse Rate: 55
- Rhythm: Regular
- Blood pressure: 100/80
- Capillary Refill Time: <2s
- Cardiac Auscultation: S1+II, no murmur
- Look at fluid balance chart
- Catheterise to monitor urine output

- Investigations to request: FBC, CRP, ESR, U&Es, TFTs, ECG

Disability:

- AVPU- Confused
- Pupils- Normal reflexes, Constricted

- Investigations to request: Glucose

Exposure:

- Temperature: Normal
- No rashes, bruising, bleeding, head trauma, wounds

Investigation results for candidate at 6 minutes:

- Fluid balance chart: 3 Litres intake today
- Urine output 0.3/ml/kg/hour (AKI)

Questions for candidate:

Q1: Can you summarise this case?

Q2: What is your most likely diagnosis

Opioid overdose, secondary to AKI caused by Myeloma

Q3 (if candidate has not said above): How would you manage this patient?

Stop Morphine

IV Naloxone 400 micrograms initially.

Upto 2 further doses of 800 micrograms, if required

Alert senior

Year 4 Emergencies – Examiner marksheet

Washes hand and PPE	
Introduces themselves and checks patient ID	
Good interaction with the nurse	
Systematic A to E assessment	
Appropriate investigations ordered	
Involvement of senior if required	
Reassess	
Correctly interprets investigations	
Provides an accurate, concise case summary	
Good list of differentials	
Correct diagnosis	
Appropriate management	

Global Impression:

- Excellent
- Good
- Pass
- Borderline
- Fail

Patient Impression/comments: