

Station title: Assessment of unwell patient

Station duration: 6 mins

Station Speciality: Cancer Medicine



Student Instructions

Station 11

Year 4 BHSCT MOSCE

Background information to station:

You are a Foundation Doctor in Oncology.

The nurses would like you to review a 47 year old patient who was admitted to the ward feeling generally unwell after their chemotherapy 3 days ago.

Specific student instructions:

- 1.** Interpret the NEWS chart for this patient
- 2.** The examiner will ask you two questions after you have interpreted the NEWS chart
- 3.** Please prescribe appropriate fluids for this patient
- 4.** There will be no patient in this station

There will be a bell when 1 minute is left in the station

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NEUTROPENIC SEPSIS MARKING SHEET

DETAIL / question	MARK	WEIGHTING		
1. Overall introduction including identification of self and patient (name & role, purpose of encounter, confirms patient's agreement)	G A P	2	1	0
2. Rapport & professional manner (shows interest, respect, concern, appropriate body language, closure)	G A P	2	1	0
3. Attention to infection control throughout	G P		1	0
4. Explains purpose of interview and obtains consent	G A P	2	1	0
5. Confirms patient details (name, DOB and hospital number) on NEWS chart	G P		1	0
6. Checks date and time and interprets most recent observations	G P		1	0
7. Comments on respiratory rate - tachypnoea	G P		1	0
8. Comments on oxygen saturations - normal	G P		1	0
9. Comments on blood pressure - hypotensive	G P		1	0
10. Comments on pulse - tachycardia	G P		1	0
11. Comments consciousness - Alert	G P		1	0
12. Comments on temperature - pyrexia	G P		1	0
13. Comments on total news score (8) and deterioration from previous observation	G P		1	0
14. What is the diagnosis? Identifies patient is showing signs of sepsis and probable diagnosis of neutropenic sepsis. G: neutropenic sepsis secondary to chemotherapy, A: sepsis or neutropenic sepsis, P: none	G A P	2	1	0
How will you manage this patient?				
Septic screen				
15. CXR, COVID swab	G P		1	0
16. MSSU	G P		1	0
17. Blood Cultures including PICC/Hickman line culture	G P		1	0
18. Skin swab	G P		1	0
19. Other relevant microbiological investigation – FBP – WCC	G P		1	0
Sepsis 6				
20. Oxygen not indicated in this patient	G P		1	0
21. IV antibiotics	G P		1	0
22. IV fluids - Bolus	G P		1	0
23. Blood Cultures	G P		1	0
24. Lactate	G P		1	0
25. Urinary Output	G P		1	0

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IV Fluids										
26. Indicates B for Bolus	G P		1	0						
27. Writes appropriate date and time	G P		1	0						
28. Indicates appropriate volume – 500ml	G P		1	0						
29. Indicates appropriate fluid type – 0.9% Sodium chloride/ 0.9% NaCl, 0.9% Normal saline	G P		1	0						
30. Indicates appropriate additives - none	G P		1	0						
31. Indicates appropriate rate – STAT/over 15 minutes/999ml/hr	G P		1	0						
32. Signs prescription	G P		1	0						
33. Writes legibly	G P		1	0						
34. Mentions review patient after initial bolus and seek senior help	G A P	2	1	0						
35. Mentions ABCDE assessment	G P		1	0						
Global mark: E: Excellent; V: Very good; P: Pass; B: Borderline; F: Fail	E V P B F	5	4	3	2	1				

Total score *145 (including Global Mark)*

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Examiner Instructions

Station 11

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Station Author: Pappitha Raja

Assessment outcome:

This station assesses the student's ability to identify neutropenic sepsis as a potential cause in an unwell cancer patient receiving chemotherapy.

The student's ability to safely manage a patient with sepsis.

Background information to station:

Students are asked to perform the role of a Foundation Doctor working in Oncology. They are asked to review this patient who has been feeling unwell. Students are expected to review the NEWS chart to identify the cause of patient deterioration. The student should then explain management of patient with sepsis through SEPSIS 6 and SEPTIC SCREEN. Students should be able to prescribe bolus fluid for patient with sepsis shock.

The student should begin by confirming the patient's details on all charts presented.

1. Examiner should first present the NEWS chart to the student.
 - Students are expected to comment on individual parameters of the NEWS chart and comment on the total NEWS score.
 - Student should identify patient is **tachypnoeic, tachycardic, pyrexia and hypotensive**.
2. Examiner should ask “**What is the diagnosis?**”
Students are expected to identify that the patient is in **Septic shock (sepsis or shock receives 1 mark)**.
3. Examiner should ask “**How will you manage this patient?**”
Students are expected to provide a reasonable management plan including but not limited to the following:
 - ABCDE assessment
 - SEPSIS SIX – Oxygen (not indicated since O2 saturation normal), fluids, antibiotics, lactate, urinary output and blood culture

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- SEPTIC SCREEN – paired blood cultures (Hickman's, PICC line, Central line), Urinalysis, MSSU, CXR, COVID swab, skin swab
- Bloods - routine
- Senior review
- Review Kardex/medications

4. Examiner should present Fluid chart for prescribing bolus fluid.

- If student mentions they will prescribe fluids, present them the fluid chart and should say **“Please prescribe appropriate fluids for this patient”**.
- If student does not mention they will review Kardex, examiner should say **“This patient has septic shock, please prescribe appropriate fluids for this patient”**

5. Fluid Prescription

- Students are expected to attach name label for the patient.
- Student are expected to review prior fluid prescription for the patient – none will be prescribed earlier
- Students should then prescribe bolus fluid for this patient, check marking scheme for individual components.
- If student asks about patient's co-morbidities, examiner should say “Patient has no other medical condition and is fit and well apart from cancer diagnosis”

Student should mention they would **review patient after fluid bolus and contact for senior help.**

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Site-Coordinator Instructions

Station 11

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Equipment check list:

- NEWS chart filled
- Pen
- 3 chairs
- Table for equipment
- Cleaning wipes
- Hand gel/wash