Station title: Interpretation of an X-ray
Station duration: 6 mins
Station Speciality: Fractures/Radiology

Student Instructions

Station 3

Year 4 BHSCT MOSCE

Background information to station:

You are a Foundation Doctor in the Accident and Emergency department.

A 60 year old female patient has come to the department following a fall. A X-ray has been ordered for the patient.

Specific student instructions:

1. Interpret the wrist radiograph for this patient
2. The examiner will ask you two questions at the end of the station
3. 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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Name – Sheila James
DOB – 25/03/1962
H&C Number – 363 456 7876
Taken – 30/04/2022, 6:05am

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WRIST X-RAY INTERPRETATION 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)	G P		1	0	
6. Confirms view (frontal), date and time of radiograph	G P		1	0	
7. Asks for previous films and alternative view	G P		1	0	
8. Checks exposure – ideally joint above and below should be visible	G P		1	0	
9. Checks rotation of film	G P		1	0	
10. Checks penetration of film	G P		1	0	
11. Comments on obvious abnormality	G P		1	0	
12. Describes fracture site – distal radius fracture	G P		1	0	
13. Describes whether fracture is complete or incomplete - complete	G P		1	0	
14. Simple or comminuted - simple	G P		1	0	
15. Open or closed - closed	G P		1	0	
16. Fracture plane - transverse	G P		1	0	
17. Comments on displacement of fracture - displaced	G P		1	0	
18. Comments on angulation of fracture – dorsal angulation	G P		1	0	
19. Comments on rotation - none	G P		1	0	
20. Comments on joint involvement - no	G P		1	0	
21. Comments on bone cortex, medullary cavity and periosteal reaction	G P		1	0	
22. Comments on soft tissue and joint spaces – soft tissue swelling	G P		1	0	
23. Comments on artefacts - ring	G P		1	0	
24. Summarises finding - Transverse extra-articular distal radius fracture with dorsal angulation.	G P		1	0	
25. What is the diagnosis? Colle's fracture	G P		1	0	
26. How will you manage this patient? G: Take history and examine patient, resuscitate, reduce, retain and rehabilitation. A: some answers, P: none	G A P	3	2	1	0
SP Rating: SA: Strongly agree; A: Agree; JA: Just Agree; N: Neutral; D: Disagree	SA A JA N D	4	3	2	1	0

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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 40 *(including Global Mark)*

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Examiner Instructions

Station

Year 4 BHSCT MOSCE

Station Author: Pappitha Raja; images obtained from Radiopedia

Assessment outcome:
The OSCE station tests the candidate's ability to interpret a wrist radiograph and safely manage the patient as a foundation doctor.

Background information to station:

The students will be reviewing a wrist X-ray showing Colle's Fracture.

Essential skills to be tested include:

1. Ability to interpret a wrist X-ray

2. Knowledge of common wrist injuries and associated mechanism of injury

3. Ability to safely manage patient with Colle's fracture

The examiner will ask the following questions:

1. **What is the diagnosis?**

G: Colle's fracture A: explains Colle's fracture/dinner fork deformity, P: none

2. **How will you manage this patient?**

G: Offers a reasonable management plan including but not restricted to: Take history and examine patient, resuscitate, reduce, retain and rehabilitation. A: some answers, P: none

Station title: Interpretation of an X-ray
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Site-Coordinator Instructions

Station 3

Year 4 BHSCT MOSCE

Equipment check list:

- Computer/laptop

- 2 chairs

- Table for equipment

- Cleaning wipes

- Hand gel/wash