



## Year 4 Formative OSCE (August) 2019

# Reading for Station 2

## Candidate Instructions

### Clinical Scenario

You are an intern in the Emergency department. Robert Harvey is a 30 year old male who was brought in by ambulance following a BMX bike accident. He states that after attempting a jump on the bike, the right side of his chest landed onto the handlebar. He has difficulty breathing and is in pain. There is a bruise mark from the handlebar. He denies any head trauma. The ED consultant has asked you to assess the patient.

### Task

In a total of eight (8) minutes:

- Perform a primary survey in the first 6 minutes
- At 6 minutes:
  - Provide one provisional diagnosis
  - Explain the immediate management

You do not need to take a history from the patient. However, the patient will answer any questions you may have.

[The examiner in the room will assume the role of the ED consultant]

## Simulated Patient Information

### The candidate has the following scenario and task

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[The examiner in the room will assume the role of the ED consultant]

### Instructions for simulated patient

- Your name is Robert Harvey and your DOB is 02/02/1989 (aged 30)
- You are wearing casual clothes and you are lying on the bed at a 45 degree angle

### Examination instructions

- Appear like you are in distress/have difficulty breathing and cover a portion of your right chest with your right hand (as you have 'a bruise' there)
- You can talk but not fluently – should prompt the student to look inside the mouth to assess airways
- If asked to expose the bruise, withdraw you hand and **comment that there is a 3cm diameter bruise with no open fractures or bleeding visible.**
- If asked about allergies, you have no allergies

## Examiner Instructions

Please verify that you are examining the correct student by checking the name on the student's ID card against the name on the score sheet, as the student enters the room.

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[The examiner in the room will assume the role of the ED consultant]

#### Instructions

- You are playing the role of the ED consultant in this exam. Please address the student as an ED registrar would, after you have checked ID. Please do not provide prompts on the station content.
- Stay out of the line of sight between the candidate and the patient during the assessment. Do not provide any positive or negative feedback to the candidate.
- Please record your observations on the scoresheet **as you go**, as discussed in the briefing.
- If the candidate requests vital signs, provide the vital signs.
- If the candidate requests assistance for a log roll, state that they do not need to do so.
- The candidate has 6 minutes to complete a primary survey. **At 6 minutes, stop the candidate, give the vital signs (if not already given) and state the following:**
  - "Your examination reveals distended neck veins, hyperresonance with percussion on the right side as well as absent breath sounds on the right side.
  - "Provide one provisional diagnosis and your initial management plan for this patient"
- You have two minutes between candidates to finalise your scoring and 'reset' the station.

#### Aim of this station:

- Correctly identifying a tension pneumothorax clinically
- Performing a primary assessment in a trauma patient
- Understanding the initial management for a tension pneumothorax

#### Props and Sundries

- Simulated patient
- Handwash

- Pen light
- Cotton bud for light touch sensation
- Soft collar

**Author** – Hiroki Hayashi and Grace Low

**OSCE Score Sheet**  
**Station 2 – Primary survey**

**ID Check**  
 (please tick)

Student Name/Number.....

Examiners Name: .....

SP: .....

No.	Assessment Item (details)	PLEASE MAKE ONE TICK IN EVERY ROW																																
1	<b>Infection Control and Introduces self</b> appropriately washes hands before, introduces self, appropriately washes hands after	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																													
		0	1	2	3																													
2	<b>General inspection</b> Requests all vitals (SaO2, RR, BP, HR, Temp), Considers PPE, IV lines, Monitoring equipment, Other appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																											
		0	1	2	3	4	5																											
3	<b>A – Airway and c-spine immobilisation</b> Listens for air movement, Looks inside mouth for vomit/blood/foreign body, Assesses swallowing, Immobilises c-spine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
		0	1	2	3	4																												
4	<b>B – Breathing</b> Look, listen and feel breathing, Chest deformities, Chest trauma, Asymmetrical chest movements, Central cyanosis, Accessory muscle use/Abdominal breathing, Rhythm/Depth of inspiration Tracheal deviation, Chest expansion, Percusses lungs, Auscultates lungs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																							
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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																							
		7	8	9	10	11																												
5	<b>C – Circulation</b> Peripheral pulses, Capillary refill, Peripheral temperature, Ankle oedema, Diaphoresis, JVP/Distended neck veins, Auscultates heart, Life-threatening bleeding, Other appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																							
		0	1	2	3	4	5	6																										
		<input type="checkbox"/>	<input type="checkbox"/>																															
		7	8																															
6	<b>D – Disability</b> AVPU/GCS (Eyes, Speech, Motor), Pupil size and responsiveness, Gross motor and sensory function in all limbs, Considers checking glucose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
		0	1	2	3	4																												
7	<b>E – Exposure/Environment</b> Exposes patient completely, Identifies all injuries, Requests assistance for log roll, Considers hypothermia prevention measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
		0	1	2	3	4																												
8	<b>Provides appropriate provisional diagnosis</b> Tension pneumothorax	<input type="checkbox"/>	<input type="checkbox"/>																															
		0	1																															
9	<b>Immediate management</b> High flow oxygen via non-rebreather, IV fluids, Alert senior doctor, Immediate needle thoracentesis/decompression, formal intercostal catheter, Other appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
		0	1	2	3	4	5																											
10	<b>CLARITY</b> (organisation, appropriate confidence)	<table border="1" style="width:100%; text-align:center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Confused, disorganised, unclear</td> <td colspan="2">Below expected</td> <td colspan="2">Above expected</td> <td>Outstanding</td> </tr> </table>											1	2	3	4	5	6	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Confused, disorganised, unclear			Below expected		Above expected		Outstanding
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11	<b>WARMTH</b> (engagement, compassion, care for patient)	<table border="1" style="width:100%; text-align:center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td colspan="3">Cold, uncaring, brusque</td> <td colspan="2">Below expected</td> <td colspan="2">Above expected</td> <td>Outstanding</td> </tr> </table>											1	2	3	4	5	6	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cold, uncaring, brusque			Below expected		Above expected		Outstanding
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**Comments:**