



# MSSBU OSCE PRACTICE

## CASE 4\_03\_03

### Station Vignette

You are a resident working at the Emergency Department. Michael Chen, a 62-year-old man has presented with abdominal pain.

The pain started 3 hours ago in the left lower abdomen with no radiation. It is an 6/10 pain and is described as a constant ache, aggravated by movement. There is some relief with Panadol. There are no known triggers to this episode. Michael has had less painful episodes a few times this year but has never seen a clinician for this issue.

Michael has been feeling nauseous but has not vomited. He has had diarrhea this morning with bright red blood in the stool.

He has a past medical history of knee osteoarthritis and GORD. He has not had any surgeries before and has no allergies.

#### **VITALS:**

- **BP:** 118/85 mmHg
- **RR:** 18
- **O<sub>2</sub> Sats:** 96% RA
- **Temp:** 37.9°C

#### **TASK**

You have a total of **6 minutes** to perform a physical examination.

At the end of the allotted time, you will have **3 minutes** to answer the examiner's questions.

Do **NOT** take a history.

## **PATIENT INFORMATION**

You are Michael Chen, a 62-year-old male who has presented to the Emergency Department due to LLQ abdominal pain.

- You are sitting up in bed in obvious pain
- On abdominal palpation, you have LLQ tenderness with guarding
  - You have cough, rebound and percussion tenderness in the LLQ
  - Murphy's, McBurney's and Rovsing's signs are negative
- On left kidney balloting, there is some discomfort on the left abdomen

## **EXAMINER QUESTIONS**

1. Name **three (3) differentials** for this patient.
  
2. What **investigations** would you like to do for this patient?
  
3. What **management** would you like to do for this patient?

## MARKING CRITERIA – CASE 4\_03\_03

Item	Criteria	Mark
Introduction	<input type="checkbox"/> Hand hygiene <input type="checkbox"/> Appropriate introduction	/2
General inspection	<input type="checkbox"/> Name, age and sex of patient <input type="checkbox"/> Orientation <input type="checkbox"/> Appropriate end-of-bedogram Mentions any of the following: looks well/unwell, diaphoresis, body habitus, colour <input type="checkbox"/> Impression of hydration status	/4
Vital signs	<input type="checkbox"/> Mentions that BP, RR and O2 sats are normal <input type="checkbox"/> Mentions fever <input type="checkbox"/> Mentions that there is no HR recorded on the vitals <input type="checkbox"/> If the student mentions there is no HR, prompt them to perform the HR. 1 point if correct HR is calculated.	/4
Hands and arms	<input type="checkbox"/> Radial pulses- strong and regular <input type="checkbox"/> Normal capillary refill <input type="checkbox"/> Signs of anaemia - pale palmar creases, pallor of nail beds <input type="checkbox"/> Nail changes- any of the following: leukonychia, Meuhrcke's, Terry's, half-half nails, koilonychia <input type="checkbox"/> Palm changes- palmar erythema, Dupuytren's contracture <input type="checkbox"/> Any of the following in the arms- bruising, scratch marks, IV drug use marks, rashes	/6
Face	<input type="checkbox"/> Eyes - any of the following: scleral jaundice, conjunctival pallor, Kayser-Fleisher rings - Mouth: <input type="checkbox"/> Mucous membranes <input type="checkbox"/> Any of the following: Parotid swelling, angular stomatitis, fetor hepaticus, mouth ulcers	/3
Anterior chest	<input type="checkbox"/> Examines chest uncovered if appropriate <input type="checkbox"/> Inspects for any of the following - spider naevi, gynaecomastia, loss of body hair, skin turgor	/2
Abdomen	<input type="checkbox"/> Examines patient supine <input type="checkbox"/> Examines abdomen uncovered <input type="checkbox"/> Appropriate inspection - mentions at least 3 of: distension, discolouration, scars, stretch marks, stoma, pulsations, prominent veins, visible peristalsis - Palpation: <input type="checkbox"/> Examines all 6 abdominal regions starting away from LLQ <input type="checkbox"/> Examines suprapubic region <input type="checkbox"/> Mentions LLQ tenderness on superficial +/- deep palpation <input type="checkbox"/> Mentions guarding on LLQ palpation <input type="checkbox"/> Mentions no masses felt <input type="checkbox"/> Performs cough tenderness AND mentions it is positive <input type="checkbox"/> Performs rebound tenderness in LLQ AND mentions it is positive <input type="checkbox"/> Performs percussion tenderness in LLQ AND mentions it is positive <input type="checkbox"/> Checks for hepatosplenomegaly <input type="checkbox"/> Checks for ascites with either shifting dullness or fluid thrill	/17

	<input type="checkbox"/> Negative Murphy's sign <input type="checkbox"/> Negative McBurney's sign <input type="checkbox"/> Examines right and left kidney on balloting <input type="checkbox"/> Auscultates for bowel sounds	
Legs	<input type="checkbox"/> Any of the following - bruises, scratch marks, rashes, peripheral oedema	/1
Ending the consult	<input type="checkbox"/> Offer for PR exam (considering PR bleed this morning)	/2
Questions	<p>- Differentials- 1 point each for the following:</p> <input type="checkbox"/> Must mention diverticulitis <input type="checkbox"/> Any of the following: IBD, ischemic colitis, gastroenteritis, appendicitis, bowel obstruction, inguinal hernia, colorectal cancer, renal colic, UTI	/4
	<p>- Investigations – 1 point for at least three of: urine dipstick, urine mcs, FBC, UECs (renal function tests), LFTs, CRP, abdominal US or POCUS, abdominal CT</p> <p>- Management – 1 point for at least three of: NPO, PO or IV fluids, analgesia, antibiotics (IV Amox + Gent + Metro), gen surg consult</p>	
Global score	<p>Overall impression of candidate based on warmth, structure and competence:</p> <p>1 = fail  2 = borderline  3 = pass/expected  4 = good  5 = excellent</p>	/5
	<b>Total</b>	/50