

## **SCENARIO 2      Lumbar Puncture**

Mr Gary Edwards is a 42 year old man who requires a lumbar puncture to assist excluding the diagnosis of subarachnoid haemorrhage. He has been fully consented for this procedure. You have a final year medical student allocated to you for the day and the medical student has asked you to explain to him how to perform the lumbar puncture as you go. He has not seen this procedure performed before.

You will perform the procedure on a part-task trainer. The examiner will respond as the patient if you need to communicate with Mr Edwards.

Assessment:

Medical Expertise

Communication

Scholarship and teaching

Domain	Criteria for high rating
<p><b>Medical expertise</b></p>	<p>Positioning patient</p> <p>Sterile field</p> <p>Choice of needle</p> <p>analgesia</p> <p>Performance of task</p> <p>Post procedural care</p>
<p><b>Communication</b></p>	<p>Communication to patient at regular intervals, explaining the next step, asking whether he is comfortable</p> <p>Communication with medical student</p> <p>Clarity of explanation</p> <p>Gives student opportunity to ask questions.</p> <p>Explanation of every step of the task. How to create a sterile field, gowning and gloving, choice of needle and why, landmarks, positioning patient, how to infiltrate LA minimising discomfort, how to find the subarachnoid space, collecting the sample, how to label and transport specimen, withdrawing needle, post procedure care</p>
<p><b>Scholarship and teaching</b></p>	<p>a/a</p> <p>discussion of what a positive collection may look like and what may be found on lab testing</p>

**Equipment required:**

LP part task trainer

Gowns and gloves

Selection of PL needles

Minor procedure tray – opened up with collection bottles. Tell candidate that the opened pack is sterile (this allows the same consumables to be reused)

**Examiners role:**

Can answer as the patient.

Can open needles onto the sterile field for the candidate.

**Medical student:**

If candidate does not volunteer the information can ask

“why did you choose that needle”

“what are the complications of the procedure”

“can you perform the LP at anytime after the onset of the headache?”

“what if the patient is too unwell to sit up”

“what is the best spinal level to attempt, what is the highest level you can safely use”

**Candidate Name:**

**A. Component Assessment**

Select ONE option that best represents the candidate's performance in this OSCE. Use the 9-point graded scale, where 1 is poorest and 9 is best. TICK ONE CELL for each row below.

	1	2	3	4	5	6	7	8	9
<b>Medical Expertise</b>									
<b>Communication</b>									
<b>Health Advocacy</b>									
<b>Professionalism</b>									

**B. Station Difficulty (please circle):**      Low      Moderate      High

**C. Examiner Notes on Candidate Performance**

Positives

Areas for Improvement

Suggestions

**D. Global Rating for Standard Setting (please circle)**

Clear Fail      Marginal Fail      Borderline      Marginal Pass      Clear Pas