

Year 2 Formative OSCE 2017

Reading for Station 4

Candidate Instructions

Clinical scenario

You are a 3rd year medical student at Gold Coast University Hospital.

Scott / Margaret Williams 65-year-old retired man/woman presents to the hospital with difficulty breathing. He/she is an ex-smoker with a 30 pack year history. Mr/s Williams becomes breathless on exertion and has a non-productive cough.

Your Registrar has taken the history and performed the examination and has asked you to perform a **spirometry** test. The spirometry machine is set up and ready to use.

Before finishing this station, please **comment** on the spirometry findings to the examiner.

Task

In a total of five minutes:

- Perform a **complete spirometry test**
- You do not need to do a beta-agonist test
- You will be handed a spirometry result at 4 minutes
- **Comment** on the findings to your examiner
- Assume the spirometry machine is set up

Do **not** take further history or perform any other examination

Simulated Patient Information

Thank you for supporting this important School of Medicine final exam, your contribution is greatly appreciated. Each candidate will be with you for 5 minutes with a 2 minute break in between. Your comfort is important to us. If you have any needs during the exam please tell the examiner in your room and attention will be sought. There will be scheduled breaks of y minutes during each run of the exam for brief refreshment or bathroom stops.

The candidate has the following scenario and task

Clinical scenario

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Scott Williams 65 year old retired man presents to the hospital with difficulty breathing. He is an ex-smoker with a 30 pack year history. Mr Williams becomes breathless on exertion and has a non-productive cough.

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Task

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- You do not need to do a beta-agonist test
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Instructions for simulated patient

You are Scott or Margaret Williams, a 65-year-old retired male/female who has been experiencing shortness of breath on exertion. You have a chronic non-productive cough and feel tired with little exertion.

You are an ex-smoker with a 30 pack year history of smoking. You have not had many issues in the past but are not becoming more fatigued and having shortness of breath.

You have presented to GCUH, where you are awaiting a spirometry test after the registrar took your story and examined you.

The student will explain the procedure to you, as this is the first time you are undergoing this test and you do not have any prior knowledge.

If you do not have an answer to a question, answer 'no' or 'I don't know', as appropriate. Your particular family history etc. is not specified in this case, as such feel free to create your own background.

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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Clinical scenario

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Your Registrar has taken the history and performed the examination and has asked you to perform a **spirometry** test. The spirometry machine is set up and ready to use.

Before finishing this station, please **comment** on the spirometry findings to the examiner.

Task

In a total of five minutes:

- Perform a **complete spirometry test**
- You do not need to do a beta-agonist test
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- **Comment** on the findings to your examiner
- Assume the spirometry machine is set up

Do **not** take further history or perform any other examination

- Please do not provide prompts on the station content
- Please record your observations on the scoresheet **as you go**, as discussed in the briefing
- The candidate has only 5 minutes to complete the station. When the PA announces, they should be asked to finish and leave immediately.
- You have two minutes between candidates to finalise your scoring and 'reset' the station
- After each candidate leaves, please discard any notes the candidate may have made and re-set the station to ensure that it is the same for each candidate.

Props and Sundries

- Simulated patient
- Spirometry machine set up
- Disposable mouth pieces
- Wipes
- Printout of a sample spirometry result for interpretation

OSCE Score Sheet

Station Number: 4 - Spirometry

ID Check
(Please tick)

Student Name:

Examiner's name:

Simulated patient (actor's) name:

PLEASE MAKE ONE TICK IN EVERY ROW

No. Assessment Item (details)

1	Introduces self (appropriately)	<input type="checkbox"/>	<input type="checkbox"/>			
		0	1			
2	Obtain Consent (explains, seeks, obtains)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		0	1	2	3	
3	Infection control (washes hands with gel before, after)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		0	1	2		
4	Preparation (cleans equipment, gets patient to attach clean mouthpiece, position the patient standing or sitting up straight)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		0	1	2	3	
5	Patient instructions (advises or demonstrates procedure – stay upright, exhale as forcefully as possible, keep exhaling until they are told to stop, try not to cough)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		0	1	2	3	4
6	Perform the procedure (start recording before asking patient to go, give encouragement throughout procedure, tell patient to stop after machine beeps, plan to repeat procedure 3 times)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		0	1	2	3	4
7	After the procedure (dispose mouthpiece, cleans equipment, thank patient)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		0	1	2	3	
8	Comments on findings (comments good quality, general shape of curve, FVC compared to predicted, FEV1/FVC%, give differential diagnosis)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		0	1	2	3	4
9	CLARITY (communication, organisation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		1	2	3	4	5
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Confused, disorganised, unclear		Below Expected	Above Expected	Outstanding
10	WARMTH (engagement, compassion, care for patient)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		1	2	3	4	5
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Cold, Uncaring, brusque		Below Expected	Above Expected	Outstanding
11	Professionalism (Interaction with student nurse)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		1	2	3	4	5
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Cold, Uncaring, brusque		Below Expected	Above Expected	Outstanding

Pulmonary Function Test Results

Visit date: 29/08/2017

Patient Code: XXX

Age: 65 years old

Gender: Male / Female

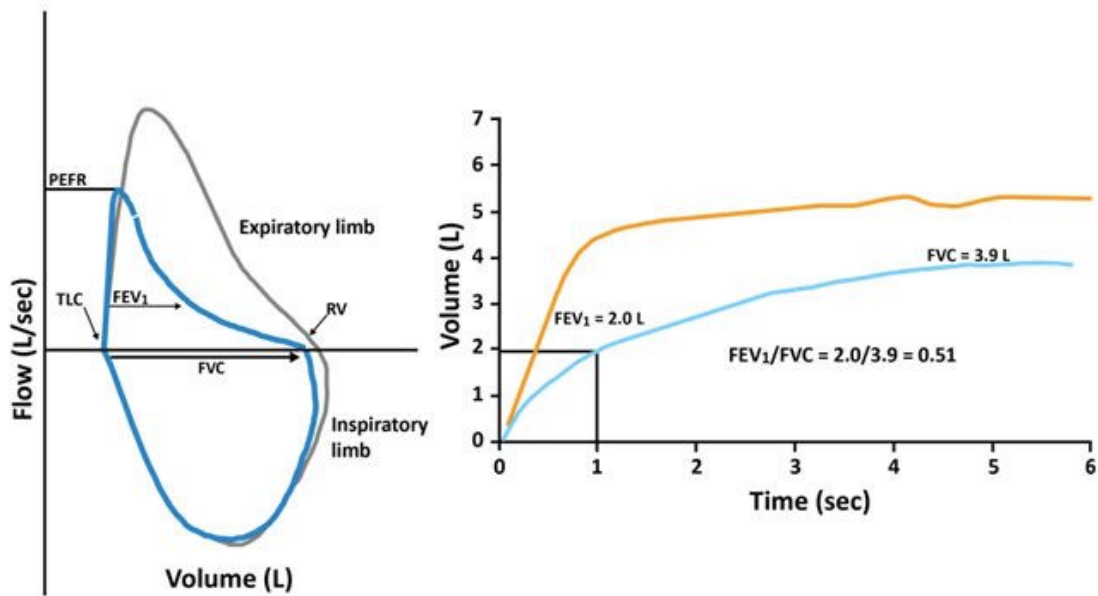
Name: Mr Scott / Mrs Margaret Williams

Date of Birth: 01/03/1952

Smoke: 30 pack years

Flow/Volume Loop and Volume/Time curve

(PATIENT REPRESENTED BY THE BLUE LINE IN BOTH CHARTS)



Parameters	Predicted Value	Observed Value	% Predicted
FVC (L)	4.0	3.9	97.5
FEV ₁ (L)	3.3	2.0	60.6
FEV ₁ /FVC (%)	75.5	51.3	67.9