

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Respiratory and Sleep Science
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CBD Scenario

CBD Scenario Title	Pre-test requirements for bronchial challenge testing									
CBD Scenario Aim	To assess the trainees understanding of the safety requirements of performing bronchial challenge tests									
CBD Focus (please provide the codes of the module(s) this scenario addresses)	Advanced Diagnostics in Respiratory and Sleep Science (SR-S-S2)									
GSP Domains covered (enter X to indicate all that apply)	GSP 1		GSP 2		GSP 3		GSP 4		GSP 5	
					✓					
CBD Scenario description	<p>A patient has arrived in the department for a bronchial challenge test with the clinical indication stated as “asthma”. During the consultation you discover the patient has not had any previous breathing tests.</p> <p>The patient has followed the instructions and withheld the required medications. You perform a baseline spirometry which shows obstruction.</p> <p>Explain what steps you would take next.</p>									
CBD Scenario model answer/ assessor guidance Detailed guidance that will be available for the assessors. Include guidance on what kinds of behaviours, actions, comments should secure a pass. What should the assessor expect to see? Assessors will be asked to plan questions in	<p>The trainee should recognise:</p> <ul style="list-style-type: none"> As the spirometry is obstructive that a reversibility study should be performed first Depending on the clinical indication, a positive reversibility test can exclude the requirement of a bronchial challenge test. Demonstrate a knowledge of the different bronchial challenge tests (Methacholine, Histamine, Mannitol) Baseline spirometry with an FEV¹ below 50% or < 1.0 litre is a contraindication for performing a bronchial challenge test. 									

<p>advance including links to trainee's IACC submission.</p>	<ul style="list-style-type: none"> • Full lung function tests should be performed for further information. <p>Fail Criteria:</p> <p>Does not recognise the inclusion and exclusion criteria for performing the test e.g. Suggests performing the test on that visit without first performing a reversibility study.</p>
<p>Trainee instructions</p> <p>Please include any specific information to be provided to the trainee as part of the CBD scenario</p>	

Criteria being assessed by this CBD scenario

Aspect	Please indicate if this criterion is being assessed
1. Understands the clinical context of the scenario, including priority setting and testing strategies	✓
2. Understands scientific principles of scenario	✓
3. Can discuss the relevant procedures involved in the scenario and associated health and safety issues	✓
4. Understands and applies the appropriate test validation, IQC, EQA, relevant professional/clinical guidelines	✓
5. Understands and applies associated IT/bioinformatics and other appropriate resources	
6. Is able to interpret and report patient results and provide appropriate clinical advice	
7. Can discuss the significance of patient results within the clinical context of the referral	✓
8. Understands the ethical, legal and social implications of the scenario	
9. Is aware of the importance of audit and can use this tool effectively	
10. Output meets accepted laboratory/professional standards	
11. Demonstrates awareness of the limits of responsibility and when to seek advice	

12. Consideration of patient/professionalism	
13. Overall ability to perform	