

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Clinical Microbiology
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CBD Scenario

CBD Scenario Title	Investigation of a pyrexial patient									
CBD Scenario Aim	To test trainees' ability to identify patients with infective endocarditis and to recommend appropriate investigations and treatment									
CBD Focus (please provide the codes of the module(s) this scenario addresses)						SLS200				
GSP Domains covered (enter X to indicate all that apply)	GSP 1		GSP 2	X	GSP 3	X	GSP4		GSP 5	
CBD Scenario description	<p>A 30 year old male patient with a history of intravenous drug use is admitted with fever, recent weight loss and chest pain.</p> <p>On examination he is febrile. His heart and respiratory rate is normal, but he has a heart murmur. His urine dip is negative and he has no abdominal tenderness, with no skin or soft tissues abnormalities seen.</p> <ol style="list-style-type: none"> 1. What is your working diagnosis? 2. Based on the history and examination what advice would you give to the clinician regarding laboratory and clinical investigations to complete? 3. What advice would you give regarding antibiotics? 									

<p>CBD Scenario model answer/ assessor guidance</p> <p>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 advance including links to trainee's IACC submission.</p>	<p>Model answers</p> <ol style="list-style-type: none"> 1. What is your working diagnosis? Infective endocarditis 2. Based on the history and examination what advice would you give to the clinician regarding laboratory and clinical investigations to complete? Three sets of blood cultures at least 30 mins apart prior to starting antibiotic therapy. MRSA screen Bloods for CRP, ESR, WCC TTE (ECHO) Chest x-ray 3. What advice would you give regarding antibiotics? Not septic, if stable withhold antibiotic treatment until results of blood cultures are known. If becomes unstable treat with amoxicillin and gentamicin
<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	Yes
2. Understands scientific principles of scenario	Yes
3. Can discuss the relevant procedures involved in the scenario and associated health and safety issues	Yes
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	Yes
7. Can discuss the significance of patient results within the clinical context of the referral	Yes
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	