

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Genomics
-------------------	-----------------

CBD Scenario

CBD Scenario Title	Duty Scientist Referral Card									
CBD Scenario Aim	Determine if the trainee is able to prioritise a referral and take appropriate decisions.									
CBD Focus (please provide the codes of the module(s) this scenario addresses)	Specialist Adult, SLS 422									
GSP Domains covered (enter X to indicate all that apply)	GSP 1 X		GSP 2 X		GSP 3 X		GSP 4		GSP 5	
CBD Scenario description	<p>A referral has been received at your laboratory from obstetrics for a 34 year old female whose cousin has recently been diagnosed with cystic fibrosis (CF). The referral is requesting carrier testing for CF with potential for prenatal testing in future. The patients partner has no known family history of CF. As a duty scientist triaging this sample on arrival in the laboratory:</p> <ol style="list-style-type: none"> 1. What addition information is required prior to processing this referral? 2. What testing would you activate? 3. What priority would you assign and why? <p>Please include justification for your decisions e.g. best practice/national guidance.</p>									
CBD Scenario model answer/ assessor guidance Detailed guidance that will be available for the assessors. Include guidance on what kinds	<p>Trainee demonstrates understanding of triaging referrals for genomic testing</p> <p>Pass indicators</p> <p>All of the following points discussed:</p> <ul style="list-style-type: none"> - Additional information required to include 									

<p>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>	<ul style="list-style-type: none"> ○ Current Gestation ○ Confirmation of diagnosis; clinical or molecular ○ Pedigree information and results from intervening family? ○ Variants - will they be detected by the assay ○ Clinical genetics involvement for subsequent prenatal <ul style="list-style-type: none"> - Priority of testing, expected TAT and which best practice guidelines this links to - Maybe: What testing should be performed? What controls would you require? <p>Demonstration of good communication, consideration of patient safety, appropriate decision making, correct referral and testing pathways.</p> <p>Fail indicators</p> <ul style="list-style-type: none"> - Lack of awareness of patient safety - Poor communication skills - Lack of knowledge of Best Practice / National Guidance and appropriate testing pathways
<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	