

IACC 2023 Case-based discussion (CBD) scenario

| | |
|-------------------|---|
| Specialty: | Reproductive science - Andrology |
|-------------------|---|

CBD Scenario

| | | | | | | | | | | | |
|---|--|--|-------------------|------------------------|-------------------|--|-----------------------------------|--|--|-------------------|--|
| CBD Scenario Title | Semen cryopreservation | | | | | | | | | | |
| CBD Scenario Aim | To determine a trainee's understanding of different sperm cryopreservation processes, communication, and adverse incidents. | | | | | | | | | | |
| CBD Focus (please provide the codes of the module(s) this scenario addresses) | Core module | | | Rotation module | | | Specialist module (SLS337) | | | | |
| GSP Domains covered (enter X to indicate all that apply) | GSP 1 X | | GSP 2 X | | GSP 3 X | | GSP 4 | | | GSP 5 X | |
| CBD Scenario description | <p>Your unit routinely stores semen samples in vapour phase Dewars. You have received a semen sample for a fertility preservation patient. You notice the viral screening results are not ready and you confirmed with a colleague that the vials will need to go into a holding cryo dewar (which is filled with liquid nitrogen). You complete your pre-freeze analysis, dilutions, aliquoting and sealing process and immediately place your sealed vials directly into the holding cryo dewar filled with liquid nitrogen.</p> <p>What would your immediate next steps be and how would you manage that patient?</p> | | | | | | | | | | |
| CBD Scenario model answer/ assessor guidance Detailed guidance that will be available for the assessors. Include guidance on what kinds of behaviours, actions, | <p>Trainee should demonstrate understanding of semen cryopreservation process and incident reporting.</p> <p>Pass indicators</p> <p>Some or all of the following points discussed:</p> | | | | | | | | | | |

| | |
|--|---|
| <p>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"> • Inform a senior team member immediately. • Carry out a test thaw to check for sperm survival. • Explain why the sperm sample has been compromised. • Explain why this is an adverse incident that will need reporting to the HFEA. • Explain duty of candour. Patient will need to be informed and reassured of corrective measures going forward. • Patient should be asked if they can submit another semen sample in a few days. • Patient should be offered counselling support. <p>Fail indicators</p> <p>Does not mention any of the above</p> |
| <p>Trainee instructions</p> <p>Please include any specific information to be provided to the trainee as part of the CBD scenario</p> | <p>No additional instructions</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 | X |
| 2. Understands scientific principles of scenario | X |
| 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 | X |
| 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 | X |
| 12. Consideration of patient/professionalism | X |
| 13. Overall ability to perform | |