

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Imaging with Ionising Radiation
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CBD Scenario

CBD Scenario Title	Gamma Camera QC Failure										
CBD Scenario Aim	To test the trainee's knowledge and understanding of gamma camera QC										
CBD Focus (please provide the codes of the module(s) this scenario addresses)	SCC110 3,8,9,20, 21,26				SPE151c1 2,4						
GSP Domains covered (enter X to indicate all that apply)	GSP 1	X	GSP 2	X	GSP 3		GSP 4		GSP 5	X	
CBD Scenario description	A Radiographer has come to you saying that the gamma camera has failed its morning QC. What would you do? (The QC was performed extrinsically using a Cobalt-57 Flood source.)										
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 advance including links to trainee's IACC submission.	<p>The trainee should explain the steps they would take which could include:</p> <ul style="list-style-type: none"> • Check that the source is positioned correctly • Check the energy is set to Co-57 • Repeat the acquisition. • Review previous QC to see whether the result follows a pattern or whether it shows a step-change in performance. • Try an intrinsic acquisition to see if the collimator has been damaged. • If it is still out of tolerance, contact a senior member of staff to get a service engineer to visit. 										
Trainee instructions											

Please include any specific information to be provided to the trainee as part of the CBD scenario	
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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	x
3. Can discuss the relevant procedures involved in the scenario and associated health and safety issues	x
4. Understands and applies the appropriate test validation, IQC, EQA, relevant professional/clinical guidelines	x
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	x
12. Consideration of patient/professionalism	
13. Overall ability to perform	