

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Radiation Safety Physics
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CBD Scenario

CBD Scenario Title	Local rules for a Nuclear Medicine Department									
CBD Scenario Aim	Critically appraise local rules and procedures for departments using radioactive materials in conjunction with the radiation users.									
CBD Focus (please provide the codes of the module(s) this scenario addresses)	SPE156c1:11									
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	You have been asked to review the Local Rules for a Nuclear Medicine department. What content would you expect to find in the Local Rules and how is this content decided upon?									
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>Key points:</p> <ul style="list-style-type: none"> Guidance on the content comes from the IRR17 Approved Code of Practice (ACoP). The detail of local rules will be informed by the radiation risk assessment and will be specific to the radiation hazards in that area. Both the risk assessment and the local rules should have involved discussion with the radiation users to ensure the use of ionising radiation in the clinical scenarios are fully understood and the trainee should consider who needs to be involved in drawing up the local rules – RPS, manager, clinicians. There is some essential content required from the ACoP. Trainee should be able to give examples of what is required: dose investigation level, contingency arrangements for 									

	<p>reasonably foreseeable accidents, name of RPS, designation of areas, summary of work instructions, access control.</p> <ul style="list-style-type: none"> • Additional content could include: management arrangements, training requirements, control of radioactive sources. • As this is a radioactive materials area, the trainee should give additional consideration to reasonably foreseeable accidents for which contingency arrangements will be in the local rules e.g. Spills = decontamination procedures; theft = search procedure; fire = source relocation; Cardiac arrest = resuscitation procedures.
<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	x
2. Understands scientific principles of scenario	
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	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	
12. Consideration of patient/professionalism	
13. Overall ability to perform	