

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Cardiac Science (CRM)
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CBD Scenario

CBD Scenario Title	ICD Interrogation as part of a routine follow-up in clinic.									
CBD Scenario Aim	Candidate to show good management of a patient with an implantable cardioverter-defibrillator with findings of an arrhythmic event.									
CBD Focus (please provide the codes of the module(s) this scenario addresses)	SPS122									
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>You are performing a follow-up on a patient in the Device Clinic with a dual chamber ICD, implanted for primary prevention reasons. The patient mentions that she had a syncopal episode which corresponds to a recorded VT episode which is treated with shock therapy.</p> <p>What would your immediate next steps be and how would you manage this 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, 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>Student to demonstrate understanding of mechanism of arrhythmia mechanisms and escalation of severe clinical events.</p> <p>Pass Indicators - Some or all of the following points discussed:-</p> <ul style="list-style-type: none"> • Clarify that the arrhythmia episode is ventricular in origin and shock therapy is appropriate (i.e. change of ventricular EGM morphology, regular V-V rate; V > A on EGM) • Establish any exacerbating factors behind the events (Diarrhoea and vomiting prior to the event; overall health; aetiology for ICD implant) • Consider if current programming of device is acceptable for patient (reference to MADIT-RIT trial) • Clarify anti-arrhythmic medication that the patient is presently taking and compliance to treatment regime 									

IACC 2023 CBD Scenario Descriptor

	<ul style="list-style-type: none"> • Escalation to on-call registrar/consultant for immediate medical review • Inform patient regarding DVLA restrictions <p>Fail Indicator - Does not consider if shock therapy is appropriate and that escalation to on-call registrar/consultant is indicated.</p>
<p>Trainee instructions</p> <p>Please include any specific information to be provided to the trainee as part of the CBD scenario</p>	No additional instructions

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	X
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	X

13. Overall ability to perform	X
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