

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Vascular Science
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CBD Scenario

CBD Scenario Title	Interpretation of carotid duplex ultrasound scan									
CBD Scenario Aim	To determine the ability of a trainee to interpret the findings of a carotid duplex ultrasound scan and take appropriate actions									
CBD Focus (please provide the codes of the module(s) this scenario addresses)	Specialist module SPS129									
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 patient has presented to your department from the TIA clinic for a carotid duplex ultrasound scan, having experienced an episode of Left side weakness and Left side facial droop. The ultrasound scan reveals a >70% Right ICA stenosis</p> <p>Discuss these findings, possible further imaging and how the patient would be managed</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	<p>Trainee demonstrates understanding of carotid duplex ultrasound scan results and diagnostic pathway for TIA patients</p> <p>Pass indicators</p> <p>Some or all the following points discussed:</p> <ul style="list-style-type: none"> • Takes a detailed history to clarify presenting symptoms e.g., frequency, duration, and last episode • Considers aetiology regarding atherosclerosis • Considers further imaging e.g., Transcranial Doppler, CT Head • Discusses options for intervention e.g., carotid endarterectomy and stenting 									

to trainee's IACC submission.	Fail indicators Does not consider options for further imaging and intervention
Trainee instructions Please include any specific information to be provided to the trainee as part of the CBD scenario	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	X
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	X
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	

