

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Neurophysiology
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CBD Scenario

CBD Scenario Title	Interpretation of results during routine lower limb peripheral neuropathy screening.									
CBD Scenario Aim	The aim of this scenario is to test the trainee's ability to recognise when advanced investigations are required whilst working safely within their own scope of practise.									
CBD Focus <small>(please provide the codes of the module(s) this scenario addresses)</small>	SPS222c5									
GSP Domains covered <small>(enter X to indicate all that apply)</small>	GSP 1	x	GSP 2	x	GSP 3	x	GSP 4		GSP 5	
CBD Scenario description	<p>You are performing a routine lower limb peripheral neuropathy screening on a patient with weakness in the right lower limb and lower back pain.</p> <p>All sensory and motor studies are normal except for the right tibial motor study to abductor hallucis (AH) which you notice is low in amplitude compared to the other side (>50%) and lower in amplitude compared to your normal values. What are your thoughts about the reason for this finding and what would your next actions be?</p>									
CBD Scenario model answer/ assessor guidance <small>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</small>	<p>This scenario places you in the situation where an abnormal finding during a routine PN screening alerts you to your own scope of clinical practise and the requirement for any additional advanced neurophysiological investigations.</p> <p>The candidate should describe first considering technical issues and repeating the study.</p> <p>The candidate may seek additional support from a colleague.</p> <p>The candidate should consider the patient history – back pain and consider another pathology such as radiculopathy.</p>									

<p>advance including links to trainee's IACC submission.</p>	<p>The candidate should consider EMG as a potential additional investigation which should be performed by the consultant.</p> <p>The candidate should consider what acute and chronic changes may be seen on the EMG in a patient with radiculopathy; such as acute – positive sharps, fibs or chronic – polyphasic units, recruitment pattern, amplitude.</p> <p>The candidate should recognise their own scope of practise and when to refer patients on for another investigation – I.e. to a senior member of staff or consultant.</p>
<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	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	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	x
12. Consideration of patient/professionalism	x
13. Overall ability to perform	