

## IACC 2023 Case-based discussion (CBD) scenario

<b>Specialty</b>	<b>Clinical Immunology</b>
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### CBD Scenario

<b>CBD Scenario Title</b>	7 year old boy, complaining of abdominal pain and diarrhoea										
<b>CBD Scenario Aim</b>	The aim of the CBD scenario is to assess that the trainee can recommend the appropriate tests, understands the significance of the results and navigate common challenges associated with this kind of clinical scenario										
<b>CBD Focus</b> (please provide the codes of the module(s) this scenario addresses)	<b>Core module (professional practise)</b>				<b>Essential module</b>				<b>Essential module</b>		SLS120
<b>GSP Domains covered</b> (enter X to indicate all that apply)	<b>GSP 1</b>		<b>GSP 2</b>		<b>GSP 3</b>	X	<b>GSP 4</b>		<b>GSP 5</b>		
<b>CBD Scenario description</b>	<p>A 7 year old boy is described as a picky eater and underweight. The boy complains of stomach pains and has frequent diarrhoea. Can drink milk and eats foods like plain eggs frequently.</p> <p>What immunology tests would you advise and why?</p> <p>Follow on question:</p> <p>Results show a negative TTG IgA result, and immunoglobulin results show IgA level is &lt;0.07 g/L. What follow up/alternative tests would you do?</p> <p>Discuss the significance of the results.</p>										
<b>CBD Scenario model answer/ assessor guidance</b>  Detailed guidance that will be available for the assessors. Include guidance on what kinds of behaviours, actions, comments should secure	<p>Clinical presentation is suggestive of Coeliac. Gives a brief overview of Coeliac. Send serum sample for TTG IgA, &amp; Endomysial IgA IIF.</p> <p>May look at other food intolerances but keep in mind history mentions tolerance to milk/eggs.</p> <p>May mention importance of testing for IgA.</p> <p>Follow on – knows significance of results.</p>										

<p>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>	<p><b>Must Mention:</b></p> <ul style="list-style-type: none"> <li>- First line routine coeliac serology tests are IgA based (IgA TTG, Endomysial IgA). For IgA deficient patients, IgG based coeliac serology tests should be performed e.g. Endomysial IgG IIF or IgG TTG.</li> <li>- Referral to gastroenterology.</li> <li>- The child should continue to eat foods that contain gluten while being tested in order to avoid false negatives.</li> <li>- IgG coeliac serology tests have lower sensitivity for coeliac disease and may still require gastroenterology referral despite a negative result.</li> <li>- Discussion around any family history of Coeliac disease</li> <li>- Frequency and value of continued blood test for disease monitoring</li> </ul> <p><b>Good answer also mentions:</b></p> <ul style="list-style-type: none"> <li>- Prevalence of IgA deficiency</li> <li>- HLA-DQ2 or HLA-DQ8 genetics may be useful to rule coeliac disease out if serology has not already</li> <li>- Small intestine biopsy – description of flattened villi</li> <li>- BSPGHAN / NICE guidelines – recommendation that an IgA tTG of more than 10x upper limit of normal is diagnostic, but positives of less than this value need biopsy</li> </ul> <p><b>Good: expected response:</b></p> <p><b>Satisfactory: acceptable answer:</b></p> <p><b>Needs development:</b></p> <p><b>Below expectations:</b></p>
<p><b>Trainee instructions</b></p> <p>Please include any specific information to be provided to the trainee as part of the CBD scenario</p>	<p>N/A</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	Y Y
2. Understands scientific principles of scenario	

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	Y
7. Can discuss the significance of patient results within the clinical context of the referral	Y
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	