

IACC 2023 Case-based discussion (CBD) scenario

Specialty:	Histocompatibility and Immunogenetics
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CBD Scenario

CBD Scenario Title	Selection of Living Kidney Donor										
CBD Scenario Aim	To test trainee's knowledge of the living donor selection process										
CBD Focus (please provide the codes of the module(s) this scenario addresses)	SLS143										
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 is being considered for a living donor kidney transplant; her husband, daughter and brother have all come forward as potential donors. They have all been HLA-typed and the ODT mismatch grades are:</p> <p>Husband 122 Daughter 011 Sister 100</p> <ol style="list-style-type: none"> Based on this information alone who would be your preferred donor? What further laboratory H&I tests would you perform and why? What other donor factors will influence the selection of the donor? <p>All donors are found to be either ABO and or HLA incompatible with the patient, what other options for transplant are available?</p>										
CBD Scenario model answer/ assessor guidance <small>Detailed guidance that will be available for the</small>	<ol style="list-style-type: none"> The trainee should identify the patient's sister as the preferred donor based on HLA-type alone. The trainee should identify that HLA-antibody screening and crossmatching must be performed, and should state the methods used in their laboratory. These tests are required to 										

<p>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>	<p>detect the presence of donor-directed antibodies and determine the immunological risk of the potential transplant. Test results should be interpreted in accordance with BSHI/BTS guidelines for the detection & characterisation of clinically relevant antibodies in allotransplantation. Virtual crossmatching may be used but a laboratory crossmatch must be performed prior to transplant in live donor cases to comply with EFI guidelines.</p> <p>3. The trainee should mention the following donor factors: ABO compatibility; satisfactory donor health evaluation including kidney function; ability to give informed consent. Other donor factors that may be mentioned are family circumstances, donor age, donor size etc.</p> <p>Alternatives are: other directed live donor options; entry into the UK Living Kidney Sharing Scheme; deceased donation; ABOi or HLAi transplantation</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	
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	
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	X
13. Overall ability to perform	