

## IPEX Questions

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### *Blood and Transplant*

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| Lot Number <b>N083 3100</b> | Expiry Date 2018.11.29 |
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Patient X is a 28-year-old male, who has been involved in a road traffic accident, he has not previously been transfused. Blood is not required urgently at this time and this sample should be treated as routine.

Patient Y is a 4-year-old girl who one week earlier was diagnosed with an upper respiratory tract infection for which she has been treated with amoxicillin, she has now become lethargic and developed dark tea-coloured urine. On admission to hospital her haemoglobin was 7.1g/dL, her blood film shows anaemia with spherocytes, her total bilirubin is raised to 47.17 micromol/L and lactic acid dehydrogenase (LDH) is also elevated to 1320u/L. There is no transfusion history for this patient.

Patient Z is a 68-year-old female who has been admitted for routine surgery, she has had three previous pregnancies and has previously been transfused 40-years-ago.

Perform a routine serological investigation on these 3 patients

#### Questions

1. Comment on the clinical significance and likely immune stimulus of any antibodies found.
2. Apart from the routine serological tests already performed, what additional tests should be performed on patient Y? What is the likely cause of the symptoms and what treatment do you think should be given?
3. If required, what blood should be selected for these patients? Are there any special considerations?