

IPEX Questions



Blood and Transplant

Lot Number N083 3099	Expiry Date 2018.10.04
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Patient X is a 15 year old male who developed acute respiratory deterioration, hypoxia and a chest X-ray displayed bilateral patchy air space shadowing 4 hours after transfusion of 1 unit of red cells. The transfusion was given for anaemia 2 days after a liver transplant for Alagille syndrome.

Patient Y is a 54-year-old male admitted with gastro-intestinal bleeding. Three years previously he was transfused with 5 units of blood.

Sample Z is an antenatal booking sample

Questions

1a. What is the most likely cause for patient X's symptoms and provide the pathogenesis for this condition?

1b. What should be the immediate action taken with patient X for this condition?

1c. What test could be performed to support your diagnosis for patient X?

2. Comment on the clinical significance of any antibodies found in samples X, Y and Z?

2b With reference to patient Z, provide a protocol for blood group and antibody testing during pregnancy.

3. What blood should be selected for transfusion for patient X,Y and Z ? Are there any special considerations?