

IPEX Questions



Blood and Transplant

Lot Number N083 3101	Expiry Date 2019.02.21
-----------------------------	------------------------

Patient receiving chemotherapy with pentostatin and was transfused two units of red cells issued by electronic crossmatch following a negative antibody screen using a fully automated system. The following week the patient returned to hospital with discoloured urine and anaemia. The patient's bilirubin had risen from 10 to 40g/L and the Hb had dropped from 102g/L to 88g/L.

You are provided with pre and seven-day-post-transfusion samples from patient X and samples from the 2 transfused units. Perform a serological investigation.

Questions:

1. What serological tests should you routinely perform on these samples?
2. Would you expect the post transfusion DAT to be positive or negative? Why?
3. What antibody specificities are most commonly associated with delayed transfusion reactions?
4. If the patient required more blood, what blood should be selected? Are there any special considerations?