Acute Transfusion Reactions



* TRANSFUSION LABORATORY CONTACT DETAILS		HAEMATOLOGIST or ON CALL SPECIALIST CONTACT DETAILS:	
P:	E:	P:	E:

SEPSIS workup: Gram stain on blood product bag, blood cultures on both patient and products. If bacterial contamination suspected contact Lifeblood to discuss recall of associated components

INCOMPATIBLE BLOOD workup: Blood group, antibody screen and DAT on pre and post transfusion samples

HAEMOLYSIS workup: FBC, LDH, bilirubin, haptoglobin, electrolytes, creatinine, urinalysis. Disseminated intravascular coagulation (DIC) may complicate severe reactions - aPTT, PT, Fibrinogen, D-Dimer (or FDP)

ANAPHYLACTIC REACTION workup: IgA levels and anti-IgA antibodies where relevant, serum tryptase

TRALI/TACO workup: BNP/pro-BNP levels, HLA and HNA typing and antibodies

DISCUSS WITH PATIENT

Provide information Discuss any future implications Highlight importance of advising future health professionals

FURTHER REPORTING

Review at Blood Management/Hospital Transfusion/equivalent Committee;

Report to your incident management system and jurisdictional haemovigilance program

Notify Lifeblood if bacterial contamination or TRALI to ensure quarantine and testing of components from same donor(s)

Source: Adapted from the National Blood Authority Investigation and management of acute transfusion reactions (2021) Guideline