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## Signs of a Transfusion Reaction



**Fever** 

Rigors

Restlessness / anxiety

**Dyspnoea** 

Pain at infusion site

Pain in abdo / back / chest

**Respiratory distress** 

**Hypotension** 

**Tachycardia** 

Haemoglobinuria

**Unexpected bleeding (DIC)** 

**Mild Allergic Reaction** 

**Fever** 

**Urticaria** 

Rash

**Hives** 



#### **Transfusion Reaction Form**

- Patient details
- Date of transfusion reaction
- Type of product
- Component details- ABO and Rh
- Is it a genuine transfusion reaction?
- Is it allergic or haemolytic transfusion reaction?



# Review of patient transfusion history

- Have they had a previous transfusion recently?
- How many Units transfused?
- Medications
- Other potential causes for signs symptoms of reaction
- Recovery time



### Standard investigations

- FBC, renal and LFTs, urine for haemoglobin
- DAT pre and post
- Repeat compatibility testing- group and antibody screen, crossmatch, elution studies, ?serological crossmatch
- Haemolysis screen- LDH, haptoglobin and reticulocytes
- IgA level, HLA, mast cell tryptase

### Management

- Infection blood cultures on patient and sample, withdrawal of components from implicated donor, donor testing and management of donor
- IgA deficiency- use IgA deficient products, liaise with allergy specialist
- Haemolytic reaction supportive management (IV fluids, maintain urine output). Blood negative for causative alloantibody. Avoid further transfusion unless neccessary

### To finish off.....

- Appropriate flag ? New antibody
- Samples to NHSBT
- Review with results of transfusion reactions and close the loop
- SHOT/SABRE