

# Annual SHOT Report 2015 – Supplementary Information

## Chapter 11: Acute Transfusion Reaction (ATR)

International Haemovigilance Network/International Society for Blood Transfusion (IHN/ISBT) classification of reactions

	1=Mild	2=Moderate	3=Severe
<b>Febrile type Reaction</b>	A temperature $\geq 38^{\circ}\text{C}$ and a rise between 1 and $2^{\circ}\text{C}$ from pre-transfusion values, but no other symptoms/signs	A rise in temperature of $2^{\circ}\text{C}$ or more, or fever $39^{\circ}\text{C}$ or over and/or rigors, chills, other inflammatory symptoms/signs such as myalgia or nausea which precipitate stopping the transfusion	A rise in temperature of $2^{\circ}\text{C}$ or more, and/or rigors, chills, or fever $39^{\circ}\text{C}$ or over, or other inflammatory symptoms/signs such as myalgia or nausea which precipitate stopping the transfusion, prompt medical review AND/OR directly results in, or prolongs hospital stay
<b>Allergic type Reaction</b>	Transient flushing, urticaria or rash	Wheeze or angioedema with or without flushing/urticaria/rash but without respiratory compromise or hypotension	Bronchospasm, stridor, angioedema or circulatory problems which require urgent medical intervention AND/OR, directly result in or prolong hospital stay, or Anaphylaxis (severe, lifethreatening, generalised or systemic hypersensitivity reaction with rapidly developing airway and/or breathing and/or circulation problems, usually associated with skin and mucosal changes
<b>Reaction with both allergic and febrile features</b>	Features of mild febrile and mild allergic reactions	Features of both allergic and febrile reactions, at least one of which is in the moderate category	Features of both allergic and febrile reactions, at least one of which is in the severe category
<b>Hypotensive Reaction</b>		Isolated fall in systolic blood pressure of 30 mm or more occurring during or within one hour of completing transfusion and a systolic blood pressure 80 mm or less in the absence of allergic or anaphylactic symptoms. No/minor intervention required	Hypotension, as previously defined, leading to shock (e.g., acidaemia, impairment of vital organ function) without allergic or inflammatory symptoms. Urgent medical intervention required