

Blood Transfusion Reactions

Type	Cause	Manifestation
Allergic	Sensitivity to foreign proteins.	<ul style="list-style-type: none"> • Hives, urticaria, flushing • Fever
Febrile, non-hemolytic	Sensitization to donor's WBC, platelets, and/or plasma proteins.	<ul style="list-style-type: none"> • Fever, chills, and flushing • HA and muscle aches • Respiratory distress • Cardiac dysrhythmias
Acute hemolytic	ABO incompatibility reaction to RBC antigens.	<ul style="list-style-type: none"> • Fever, chills, and flushing • Low back pain • Tachycardia and hypotension • Vascular collapse • Cardiac arrest
Anaphylactic	Administration of donor IgA proteins to recipient with anti-IgA antibodies.	<ul style="list-style-type: none"> • Urticaria • Restlessness • Wheezing • Shock and cardiac arrest
Circulatory overload	Infusion of blood at a rapid rate that leads to fluid volume excess.	<ul style="list-style-type: none"> • Pulmonary congestion • Restlessness • Cough, shortness of breath • HTN • Distended neck veins
Bacteremia	Infusion of blood infected with bacteria.	<ul style="list-style-type: none"> • Fever and chills • Vomiting and diarrhea • Hypotension • Septic shock