

SIGNS AND SYMPTOMS – Adverse Transfusion Reaction

For all signs and symptoms: **STOP TRANSFUSION IMMEDIATELY!** Maintain IV access with 0.9% sodium chloride.

Symptom Reported	Suspected Transfusion Reaction Signs & Symptoms	Timing of Symptoms	Possible Etiology
Fever ≥ 38 °C and > 1 °C and/or	Temperature >38 °C, < 39°C and 1 °C above baseline.	Towards the end of transfusion or within 1 hour after transfusion.	Febrile non-hemolytic
	Temperature >38.5°C; chills, rigors, nausea, vomiting, headache, hypotension, pain.	Early in transfusion, or shortly after transfusion.	Bacterial contamination.
Chills/rigors	Temperature >39; chills, rigors, nausea, vomiting, headache, hypotension, tachycardia, pain, bleeding, hemoglobinuria.	Early in transfusion (50-100mL required), up to 24 hours following.	Hemolytic reaction.
Urticaria and/or Itching and/or Rash	<2/3 of body; no other symptoms.	Within 2-3 hours of start of transfusion.	Minor Allergic
	>2/3 of body, +/- dyspnea, SOB, hypotension, decreased SPO ₂ .	1-45 minutes after start of transfusion.	Severe Allergic/ Anaphylactic/Anaphylactoid
	And profound hypotension, loss of consciousness,	Early in transfusion.	Anaphylactic Shock
Dyspnea and/or Decreased oxygen saturation	With hypertension, tachycardia, cyanosis, pulmonary edema.	During or within 6 hours of transfusion.	TACO
	With hypotension, fever/chills,+/- nausea/vomiting, DIC, hemoglobinuria, renal failure, +/- pain.	Early in transfusion, up to 24 hours following.	Acute Hemolytic, Bacterial Contamination
	Bilateral infiltrates on chest x-ray, +/-hypotension, +/-fever/chills, cyanosis.	During or within 6 hours of transfusion.	TRALI