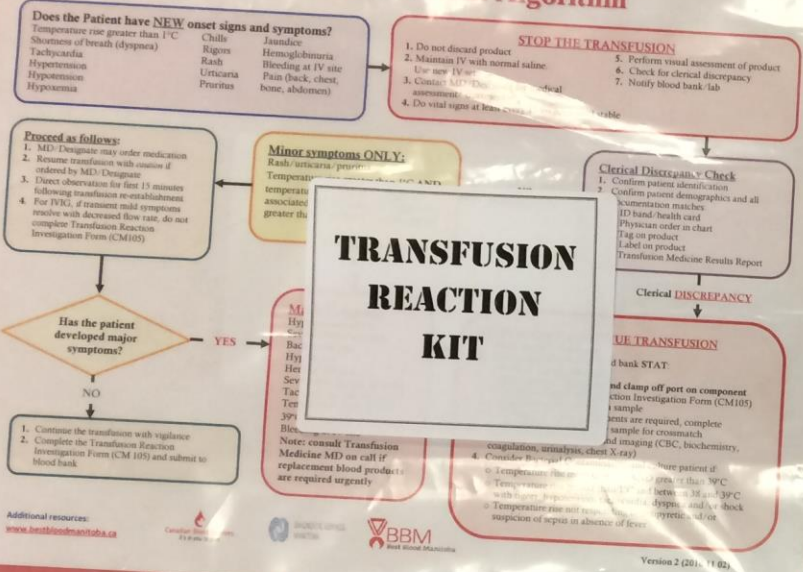


Transfusion Reaction Algorithm



- Transfusion Reaction Kit**
- Transfusion Reaction Algorithm
 - Red caps
 - Quick Reference Guide
 - 0.9% Normal Saline
 - IV tubing
 - Plastic Clip
 - Phone Numbers for Blood Bank and # to access Transfusion Medicine Physician on call

Hospital Blood Bank/Lab

Phone Number: _____

To access the Transfusion Medicine Physician on call:

**If you are having difficulty accessing through your site
 Contact HSC paging at
 1-204-787-2071 and ask to have the
 "Transfusion Medicine Physician on call"
 Paged to the number you are calling from.



BBM Blood Bank Manitoba

Quick Reference to Transfusion Reaction Action
 For ALL suspected blood component/product transfusion reactions

STOP the transfusion. Do NOT infuse the remaining blood component/product in the line.

- Do not discard product.
- Disconnect the set from the IV site, while maintaining sterility of the blood component and IV set.
 - Using new IV set, administer Normal Saline (or D5W for IVIG infusion) at TKVO.
- Contact MD/designate for medical assessment/treatment
- Assess the patient's vital signs at least every 15 minutes until patient is stable
- Perform visual assessment of product
- Check for clerical discrepancies
 - Confirm patient identification
 - Confirm patient demographics and all documentation matches:
 - ID band/health card
 - Physician order in chart
 - Tag on product
 - Label on product
 - Transfusion Medicine Results Report
- Notify blood bank/lab

Table 1:

Clinical Signs and Symptoms (S/S)	Send to Blood Bank			*Ongoing Transfusion Care*
	Transfusion Reaction Form	Sealed Blood Product	Patient Samples	
IVIG related, mild transient S/S- side effects that resolve with reduced flow rate or medication	No	No	None	May restart the transfusion at a slower rate with appropriate medication and frequent vital signs if ordered by the physician after consultation regarding the patient's condition
Urticaria or pruritus with any blood component/product	Yes	No	None	Direct observation for 15 minutes following transfusion re-establishment
Oral temperature rise greater than 1°C AND Temperature less than 39°C AND onset greater than 10 minutes into transfusion	Yes	No	None	
IVIG related S/S that are moderate or severe or unresponsive to *Ongoing Transfusion Care*	Yes	Yes	None	
Suspected bacterial contamination (see Table 2 for S/S)	Yes	Yes (avoid contamination of product)	2 EDTA (purple tubes) AND Patient Blood Cultures are recommended	DO NOT restart transfusion
All other unexpected signs or symptoms with any blood component/product	Yes	Yes (avoid contamination of product)	2 EDTA (purple tubes)	

Table 2: SUSPECT Bacterial Contamination of the blood component/product IF patient has Signs or Symptoms A,B,C or D as follows:
 A. Temperature rise more than 1 °C AND greater than 39°C
 B. Temperature rise greater than 1°C AND between 38°C AND 39°C with:
 *Rigors *Hypotension *Tachycardia *Dyspnea and/or *Shock
 C. Temperature rise not responding to antipyretic AND/OR
 D. Suspicion of sepsis in absence of fever

NOTE: Consult Transfusion Medicine MD on Call if replacement blood products are required urgently.

Version 1, Nov 2016

