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# MEMORANDUM

Date: November 08, 2016

To: Nursing Educators/Blood Banks

From: Dora Lopes-Carvalho, Transfusion Medicine, Technical Director; DSM  
Shana Chiborak, Nurse Coordinator, Blood Management Service

Subject: **Revision of the Transfusion Reaction Algorithm and Transfusion Reaction Investigation Form (CM105)**

Diagnostic Services Manitoba and Canadian Blood Services in collaboration with Blood Management Service have finalized a Transfusion Reaction Algorithm for the province. The official rollout of the Transfusion Reaction Investigation requisition (CM105) is December 12, 2016.

This package includes laminated copies of the revised algorithm, highlights some important changes and outlines educational resources available.

Educational resources are available for health care providers on the Best Blood Manitoba website: [www.bestbloodmanitoba.ca](http://www.bestbloodmanitoba.ca) . Here you will find a power point presentation that can be used by site educators, examples of the revised requisition and algorithm.

Blood Management Service nurse coordinators are offering support to educators and will host three information sessions available by telehealth:

November 15 at 13:00-14:00 Psych Health Theatre Rm236/238 (HSC)  
November 23 at 13:30-14:30 at CCM Lecture Theatre ON2134 (HSC)  
December 1 at 13:00-14:00 in Room N1026 at St Boniface Hospital

Highlights of the scope of changes include:

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Transfusion Reaction algorithm changes include:

- Clearer listing of the signs and symptoms of a transfusion reaction and that the symptoms are “new” vs. pre-existing
- Instructions to contact the Transfusion Medicine Hematopathologist on call if replacement blood products are required urgently.
- Febrile symptoms of a transfusion reaction were redefined
- Instructions for transient mild reactions to IVIG were included
- When product must be returned to the blood bank for investigation, the blood set shall be removed and the port clamped
- Major and Minor symptoms are defined
- Formatting of the algorithm has changed to facilitate user friendliness and actions

Revisions to the CM105 requisition consist of:

- Addition of fields to indicate –immune compromised patient, pre-transfusion hemoglobin, oxygen saturation, blood culture sent
- Wording changes for signs and symptoms to reflect new algorithm
- Space for 2 health care professionals to sign after the clerical check
- The requisition will be a 2 part form. The Blood Bank will photocopy to keep a copy for their records if required and return the Chart Copy to the ward.
- In the blood bank, a worksheet was developed to record the testing and Medical review

The current Transfusion Reaction Algorithm (see Manitoba Transfusion Medicine Best Practice Resource Manual for Nursing October 2006) and Guide for completing the Transfusion Reaction Investigation Form (CM105) will be obsoleted on Dec 12, 2016 with this initiative. Please remove and dispose of these documents from your areas on the implementation date.

Please forward blood bank related questions or concerns to:

Dora at [dlopesscarvalho@dsmanitoba.ca](mailto:dlopesscarvalho@dsmanitoba.ca) or phone at 204-237-2707.

Please contact Shana at [schiborak@exchange.hsc.mb.ca](mailto:schiborak@exchange.hsc.mb.ca) or phone at 204-787-8864 with Nursing related questions.