



Transfusion Related Acute Lung Injury (TRALI) Risk Mitigation Policy

Introduction

Purpose

This policy outlines the Blood Bank of Delmarva's (BBD's) approach to TRALI risk reduction measures.

Principle

To reduce the risk of TRALI to the patients we serve, BBD will adhere to AABB Standards for Blood Banks and Transfusion Services (Current Edition), standard 5.4.1.3: "Plasma, Apheresis Platelets, and Whole Blood for allogeneic transfusion shall be from donors who have not been pregnant, or who have been tested since their most recent pregnancy and results interpreted as negative for HLA antibodies."

HLA antibody screening addresses only the risk of TRALI from HLA antibodies (AABB Technical Manual, Current edition)

TRALI Risk Reduction Policy

Implicated Products

BBD's approach to TRALI risk reduction measures apply to the following products:

- Whole blood / Fresh Whole Blood (FWB)
 - Fresh Frozen Plasma (FFP)
 - Apheresis Platelets
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Eligible Donors

BBD's TRALI risk reduction measures include collecting products from the following donors:

- Male donors
 - Females who have never been pregnant
 - Females with pregnancy history who have been tested since their last pregnancy and found to be HLA antibody negative
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Measures We Take

Measures to accomplish TRALI risk reduction include but are not limited to:

- Identifying female donors with any history of pregnancy during the donation eligibility process, which includes identifying females who had a subsequent pregnancy after a negative HLA antibody test.
 - Testing for HLA antibodies in targeted female donor populations with a pregnancy history (e.g., AB donors, plateletpheresis donors and FWB donors), and retesting females who had a subsequent pregnancy following a negative HLA antibody test.
 - Refraining from distributing fresh whole blood, platelet, or plasma products for transfusion purposes, if collected from female donors with a history of pregnancy and an unknown or positive HLA antibody status.
 - Donors implicated in a TRALI event or associated with multiple events of TRALI shall be evaluated regarding their continued eligibility to donate.
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Exceptions

Exception to this policy may be made with Medical Director and treating physician's approval.

References and Change History

References

- Technical Manual, Bethesda, MD: AABB, Current edition
 - Standards for Blood Banks and Transfusion Services, Bethesda, MD: AABB, Current edition
 - AABB Association Bulletin #14-02 TRALI Risk Mitigation for Plasma and Whole Blood for Allogeneic Transfusion, January 29, 2014.
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Change History

The following table lists the changes made for each of this document's revisions.

Effective date	Revision #	Change Description
See date on header	04	Convert to IMI format
