



Block 3: Transfusion Support

March 17, 2021 3-4:30 EST (2-3:30 CST)

1.5 Contact Hours

Clinical Use of Red Blood Cell Products



Yvette Tanhehco, PhD, MD, MS Director Cellular Therapy Laboratory,
Assistant Director Transfusion Medicine, Columbia University Irving Medical Center

Objectives:

1. Discuss RBC transfusion triggers.
2. Discuss appropriate use of red blood cells.
3. Discuss red blood cell alternatives.

Level of Instruction: Intermediate

Clinical Use of Platelets, Plasma and Cryoprecipitate



Ian Blaine, MD, PhD Assistant Director Transfusion and Apheresis Services,
Icahn School of Medicine Mount Sinai

Objectives:

1. Discuss transfusion practice involving platelets.
2. Describe appropriate use of plasma and how to calculate dosage.
3. Discuss proper use of cryoprecipitate and dosage calculation.

Level of Instruction: Intermediate

March 24, 2021 3-4:30 EST (2-3:30 CST)

1.5 Contact Hours

Adverse Effects of Transfusion



Nancy Van Buren, MD Medical Director, Innovative Blood Resources/CBCKC

Objectives:

1. Apply CDC National Healthcare Safety Network (NHSN) case definition criteria to classify adverse transfusion reactions.
2. Describe the components of the blood bank transfusion reaction workup required for laboratory investigation.
3. Identify scenarios where donors are deferred as a result of an adverse transfusion reaction in a patient.

Level of Instruction: Intermediate

TRALI & TACO – The Triple A of Transfusion Medicine



Eric Senaldi, MD Medical Director, NYBC

Objectives:

1. Distinguish clinically the presentations and differences of TRALI and TACO.
2. Discuss the pathophysiology of TRALI and TACO.
3. Discuss the pediatric manifestations of TRALI and TACO.

Level of Instruction: Intermediate

March 31, 2021 3-4:30 EST (2-3:30 CST)

1.5 Contact Hours

Let's Talk HLA



Taba Kheradmand, PhD, F(ACHI) HLA Laboratory Director, New York Blood Center

Objectives:

1. Explain basic principles of the HLA system.
2. Describe methodologies used for HLA testing.
3. Discuss the role of HLA antibodies in transfusion medicine.

Level of Instruction: Basic

March 31, 2021 3-4:30 EST (2-3:30 CST) - continued

1.5 Contact Hours

Platelet Antibody Testing



Lynsi Rahorst, MHPE, MT(ASCP)SBB^{CM} Manager, Education & Training IRL/Genomics, NYBC Enterprises

Objectives:

1. Describe the development of platelet antibody testing over time from phase I through phase III assays.
2. List and discuss clinical conditions associated with platelet antibodies.
3. Interpret results of platelet antibody testing in case studies.

Level of Instruction: Intermediate

April 7, 2021 3-4:30 EST (2-3:30 CST)

1.5 Contact Hours

Platelets for the Refractory: Climbing the Pyramid



Eric Senaldi, MD Medical Director, NYBC

Objectives:

1. Discuss the pathophysiology and prevention of platelet refractoriness.
2. Describe methods to select appropriate products for platelet refractoriness.
3. List options for when appropriate products don't provide adequate response.

Level of Instruction: Intermediate

Neonatal & Perinatal Transfusion Medicine



Katayoun Fomani, MD Medical Director, Transfusion Medicine & Apheresis Services, Northwell Health

Objectives:

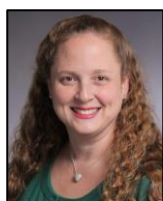
1. State and define the characteristics of hemolytic disease of the fetus and newborn.
2. Identify the approach to dosing Rh Immune globulin.
3. Define Fetal and Neonatal Alloimmune Thrombocytopenia (FNAIT) and discuss management.

Level of Instruction: Intermediate

April 14, 2021 3-4:30 EST (2-3:30 CST)

1.5 Contact Hours

Comprehensive Blood Management



Jessica Jacobson, MD, Laboratory Director and Chief of Pathology, NYC Health & Hospitals, Bellevue

Objectives:

1. Discuss when it is appropriate to transfuse blood products.
2. Describe the evidence behind transfusion thresholds.
3. Apply the knowledge learned to clinical practice.

Level of Instruction: Intermediate

Bloodless Medicine: What We Can Learn from Jehovah's Witnesses



Jed Gorlin, MD, MBA, VP & Medical Director, Innovative Blood Resources

Objectives:

1. Discuss special considerations for discussing treatment options with patients who refuse blood products.
2. Discuss strategies to reduce blood product transfusion.
3. List and describe transfusion alternatives.

Level of Instruction: Intermediate



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