"Essentials" Track: Block 4
Hemostasis, Cell Therapy, Apheresis

ESSENTIALS OF TRANSFUSION MEDICINE WEBINAR SERIES

April 19, 2022 3-4:00 EST (2-3:00 CST)	*1.0 Contact Hours*

Coagulation – Basics and Testing

Bruce Sachais, MD, PhD, ***Chief Medical Officer, New York Blood Center Enterprises***

Objectives:

1. Define the coagulation cascade.
2. Differentiate PT and aPTT, the primary screening tests of coagulation.
3. Discuss the workup of abnormal coagulation testing results.

Level of Instruction: Basic

Please Note: ETMWS takes a break the week of April 25-29 to celebrate Lab Week. Visit www.nybc.org/labweek for more info.

May 3, 2022 3-4:30 EST (2-3:30 CST)	*1.5 Contact Hours*

Anticoagulation for the Treatment and Prevention of Venous Thromboembolism

Allyson Pishko, MD, MSCE, ***Assistant Professor, University of Pennsylvania***

Objectives:

1. Develop an approach to initial anticoagulation selection for patients with venous thromboembolism.
2. Describe indications and different strategies for secondary prophylaxis of venous thromboembolism.
3. Develop a framework for a patient-centered discussion on risks and benefits of various anticoagulants.

Level of Instruction: Intermediate

Reversal of Anticoagulation

Adam Cuker, MD, MS, ***Section Chief of Benign Hematology, University of Pennsylvania***

Objectives:

1. List indications for anticoagulant reversal.
2. Discuss strategies for reversal of warfarin.
3. Discuss strategies for reversal of direct oral anticoagulants.

Level of Instruction: Intermediate

May 10, 2022 3-4:30 EST (2-3:30 CST)	*1.5 Contact Hours*

Overview of Cellular Therapy

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

Objectives:

1. Discuss the purpose and process for hematopoietic stem cell transplantation.
2. Describe gene therapy for hemoglobinopathies.
3. Discuss chimeric antigen receptor-T cell therapy for hematologic malignances.

Level of Instruction: Intermediate

Collecting Cellular Therapy Products for Clinical and Commercial Use

Stephanie Dormesy, MPH, ***Director Cellular Therapy Donor Management, New York Blood Center***

Objectives:

1. List various types of cell therapy collections.
2. Discuss the incorporation of NYBC donors in research studies.
3. Differentiate apheresis collection between NMDP and non-NMDP donors.

Level of Instruction: Basic

"Essentials" Track: Block 4
Hemostasis, Cell Therapy, Apheresis

ESSENTIALS OF TRANSFUSION MEDICINE WEBINAR SERIES

May 17, 2022 3-4:30 EST (2-3:30 CST)	*1.5 Contact Hours*

Hematopoietic Stems Cells: Cell Processing and Transplantation

Rona Singer Weinberg, PhD, ***Executive Director, Comprehensive Cell Solutions, New York Blood Center***

Objectives:

1. Discuss regulatory requirements for cellular therapy/hematopoietic stem/progenitor cell products.
2. Compare and contrast different sources of hematopoietic stem/progenitor cell products.
3. Describe processing and cryopreservation procedures that prepare products for each patient's unique needs and requirements.

Level of Instruction: Intermediate

Medical Issues and Transfusion Support for Cellular Therapy Transplantation

Liljiana V. Vasovic, MD, ***Associate Professor of Pathology and Laboratory Medicine, Weill Cornell Medicine***

Objectives:

1. Describe medical issues related to ABO-mismatched hematopoietic stem cell transplant.
2. Select suitable blood products for transfusion of transplant recipients.
3. Identify critical medical issues and adverse events associated with cellular therapy.

Level of Instruction: Intermediate

May 24, 2022 3-4:30 EST (2-3:30 CST)	*1.5 Contact Hours*

Overview of Therapeutic Apheresis

Sarah Vossoughi, MD, RN, ***Medical Director Apheresis and Associate Director Transfusion Medicine, Columbia University***

Objectives:

1. Discuss the definition and physiologic principles of apheresis.
2. Predict the efficiency of apheresis procedures and clearance rates of target substances.
3. Discuss electrolyte management and adverse effects of apheresis procedures.

Level of Instruction: Intermediate

Therapeutic Apheresis Application: Case Scenarios

Patricia Shi, MD, ***Medical Director of Therapeutic Apheresis and Cellular Therapy Collections, New York Blood Center***

Objectives:

1. Discuss patient and procedural factors to consider for therapeutic plasma exchange.
2. Discuss patient and procedural factors to consider for cellular depletions.
3. Discuss patient and procedural factors to consider for red cell exchange.

Level of Instruction: Basic

New York Blood Center Enterprises is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.