

Experience in Blood Banking: 101

Tuesday, February 19, 2019

8:00-8:30	Sign-in	
8:30	Welcome	
8:30-9:30	Blood Safety and Component Utilization Objectives <ul style="list-style-type: none"> List the infectious disease testing performed on all blood components in the United States. Discuss the risks associated with transfusion. Describe the production of and use of blood components in transfusion therapy. 	Megan Dupont MLS(ASCP) ^{CM} SBB ^{CM}
9:30-10:30	Blood Products From the Donor to You Objectives <ul style="list-style-type: none"> Describe the process of producing blood components from whole blood donations. Discuss the role of laboratory tests to ensure the safety, purity and potency of blood products. Describe the roles of the Immunohematology Reference Laboratory and the National Center for Blood Group Genomics in providing blood for patients with special antigen needs. 	Jack Wilson MLS(ASCP) ^{CM}
10:30-10:45	Break	
10:45-11:15	Visual Inspection of Blood Products Objectives <ul style="list-style-type: none"> List at least three common visual anomalies in blood products. Describe the potential causes of flocculent material in thawed plasma. Describe the visual appearance of bacterial contamination in platelets. 	Jovona Powelson MLT(ASCP)
11:15-12:00	Introduction to Immunohematology Objectives <ul style="list-style-type: none"> Compare and contrast blood bank test methodologies. Describe common tests performed in the blood bank. Explain the process of antibody identification. 	Shay Jones MLS(ASCP) ^{CM} BB ^{CM}
12:00-12:30	Lunch	
12:30-13:15	Common Blood Groups Objectives <ul style="list-style-type: none"> Define characteristics of common blood group antigens and antibodies. Determine the clinical significance of antibodies to common blood group antigens. Select appropriate units for transfusion in case scenarios. 	Kelly Winkhart BS, SBB(ASCP) ^{CM}
13:15-14:00	Case Studies Objectives <ul style="list-style-type: none"> Recognize ABO discrepancies and list test methods used in resolution. Discuss strategies involved in antibody identification. Select appropriate units for transfusion. 	Shay Jones MLS(ASCP) ^{CM} BB ^{CM}
14:00-14:15	Break	
14:15-15:00	Positive DATs and Eluates Objectives <ul style="list-style-type: none"> Describe methods used to detect and identify antibodies bound to red cells. List reasons a patient might have a positive direct antiglobulin test (DAT). Discuss how the results of eluate testing can help to determine the cause of a positive DAT. 	Kelly Winkhart BS, SBB(ASCP) ^{CM}
15:00-15:45	IRL and Transfusion Service Working Together Objectives <ul style="list-style-type: none"> Describe patterns of reactivity suggesting complex serologic investigations. List procedures used in complex workups such as warm and cold autoantibodies and antibodies to high incidence antigens. Select appropriate units for transfusion. 	Cassie Lokken MLS(ASCP) ^{CM}
Optional Quick Tour of CBC		

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Wednesday, February 20, 2019		
8:00-8:30	Sign-in	
8:30-9:30	Emerging Trends Objectives <ul style="list-style-type: none"> Describe the use of genomic testing in blood banking and explain the benefit of antigen matching. Explain monoclonal antibody therapy interference with blood compatibility testing and discuss methods for resolution. Describe Pathogen Reduction Technologies and the impact on blood safety. 	Megan Dupont MLS(ASCP) ^{CM} SBB ^{CM}
9:30-10:30	Transfusion Reactions Objectives <ul style="list-style-type: none"> Discuss steps that should be taken when a transfusion reaction is suspected. Compare and contrast adverse reactions to transfusion with respect to their etiologies, prevention, and treatment. Describe the blood bank's role in investigation of a transfusion reaction. 	Bernadette Graves MT(ASCP)SBB
10:30-10:45	Break	
10:45-11:45	Transfusion in the Trauma Setting: Prehospital Transfusion and MTP Controversies Objectives <ul style="list-style-type: none"> Discuss findings supporting pre-hospital transfusion. Identify MTP controversies, including fixed ratios of various components and the role of whole blood. Discuss future options for plasma transfusion in the setting of MTP. 	Dr. Nancy Van Buren, MD
11:45-12:45	Lunch – Ask the CBC Panel Take advantage of the opportunity to ask Community Blood Center's experts all your pending questions!	
12:45-13:15	HLA in the Blood Bank Objectives <ul style="list-style-type: none"> Define HLA and discuss how HLA antibodies may interfere with red cell antibody identification. Discuss how HLA antibodies affect platelet refractoriness. Determine the clinical significance of HLA antibodies for both red cell and platelet transfusion. 	Gina Folk MLS(ASCP) ^{CM} SBB ^{CM}
13:15-14:15	Platelet Antibodies Objectives <ul style="list-style-type: none"> List the tests performed in the platelet laboratory at CBC. Explain how platelet laboratory tests are used to investigate thrombocytopenia. Compare HLA-matched platelets to crossmatched platelets. 	Julie Kirkegaard MT(ASCP)SBB
14:15-14:45	Hemolytic Disease of the Fetus/Newborn Objectives <ul style="list-style-type: none"> Define HDFN. Discuss the blood bank's role in investigation, management and treatment of HDFN. Select appropriate units for transfusion of mom, fetus and neonate. 	Gina Folk MLS(ASCP) ^{CM} SBB ^{CM}
14:45-15:00	Break	
15:00-16:00	Apply What You've Learned Objectives <ul style="list-style-type: none"> Determine appropriate test methods used to resolve complex antibody workups. Interpret various test results to identify antibodies. Select appropriate units for transfusion. 	Carole Tomlinson MT(ASCP)SBB