**Topics to Include:**

**Overview of the Rhesus Blood Group and Modern Genotyping Applications**
Abba C. Zubair, MD, PhD  
Director, Transfusion Medicine & Stem Cell Therapy, Mayo Clinic Jacksonville

**RHIG Rh Immunoglobulin: When to Give and When Not to with Overview of HDFN and RHIG**  
Tammy Croak-Wilson, MT(ASCP)SBB  
Licensed Supervisor in Serology, Hematology, Immunohematology & Clinical Chemistry

**Anti-D Due to Treatment with WinRho® SDF**  
Beth Field, MT(ASCP)SBB  
Immunohematology Supervisor, LifeSouth Community Blood Center

**Anti-D Discrepancies (Provue vs. Tube)**  
Shelvi McFadden, MLS(ASCP)cm

**Case Studies Highlighting the Rh System**  
Dr. Zubair—Director, Transfusion Medicine & Stem Cell Therapy  
Dr. Marsha Bertholf—Medical Director, The Blood Alliance  
Lori Caudle—MT  
Tieu Thi Tran—MT(ASCP)SBB  
Angela Skipper—MT

**Objectives:**  
Understand the overall characteristics of Rhesus blood group system  
Understand the clinical significance of Rhesus blood group antigens  
Have a broad understanding of modern genotyping and its applications  
Discuss cause of HDFN  
Describe what RHIG is  
Calculate the amount of fetal maternal bleed and the RHIG dose required  
Understand how to use patient history to explain observed serologic reactions  
List the basic lab methods to resolve a case of passively acquired anti-D in an Rh positive patient  
Describe indications for use of WinRho® SDF  
Review Rh typing on Ortho Provue using gel technology  
Review Rh typing with traditional Ortho reagents  
Compare weak D typing between gel and tube methods  
Identify single antibody using basic identification techniques  
Describe how to use various techniques to isolate and identify complex antibody cases  
Describe how genotyping can be used to select products safe for transfusion.