SOUTH CENTRAL
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South Central Association of Blood Banks is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E. ® Program.

SPEAKER

Margaret Keller, PhD
Executive, National Laboratories Senior Director, American Rare Donor Program

In her role as Executive of National Laboratories at the ARC, she oversees the National Molecular Laboratory, National Reference Laboratory for Specialized Testing, and the National Neutrophil. She is also the senior director of the American Rare Donor Program (ARDP). Dr. Keller received her PhD in molecular genetics from the University of Pennsylvania. She is ARDP liaison to the Molecular Testing Standards Unit of the AABB and the secretary of the IOSBT Working Parton on Red Cell Immunogenetics and Blood Group Terminology. She is adjunct Associate Professor at Thomas Jefferson University, is editor-in-chief of the journal Immunohematology and has served on the board of South Central Association of Blood Banks.

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SCABBINAR

THURSDAY, DECEMBER 7, 2023

12pm ET | 11am CT | 10am MT | 9am PT

THE MCLEOD PHENOTYPE & OTHER RARE ANTIGENS

SESSION DETAILS

DESCRIPTION:
The McLeod phenotype results from inactivation or deletion of the XK gene and a XK:-1 red cell phenotype. It is associated with reduced expression of Kell blood group system antigens. Depending on the genomic variant, patients with McLeod may have additional genetic disorders. We will review the KX blood group system and the XK alleles that have been reported, as well as the risk of alloimmunization. Cases will be used to illustrate the complexity and challenges with transfusion management in these patients. *(This presentation is pre-recorded from original presentation at the 2023 AIMS in Denver)*

OBJECTIVES:
Objective 1: Describe the McLeod phenotype and understand what genome variants are associated with the phenotype and what other conditions can be coinherited.
Objective 2: Understand Kx blood group system, its relationship with the Kell blood group system and the alloimmunization risk in patients with the McLeod phenotype.
Objective 3: Use Case studies to discuss the complexity of transfusion management of patients with McLeod phenotype.

Intended Audience:
Blood bank technologists, managers, and medical directors.

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