Transfusion Medicine
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Reading Assignment for Part II:
Robbins Pathologic Basis of Disease, 9th Edition: Chapter 6 Genetic and Pediatric Diseases – Section entitled “Fetal Hydrops”

Learning Objectives

Part I
• Describe how blood groups are determined and their clinical significance
• Summarize key steps of pre-transfusion testing
• Compare Direct Antiglobulin Test (DAT) to Indirect Antiglobulin Test (IAT)
• Contrast “type and screen” to “type and cross match” ordering
• Summarize key differences between Isoagglutinins, Alloantibodies, and Autoantibodies
• Summarize why blood is screened for unexpected clinically significant antibodies

Part II
• Explain the pathophysiology of Hemolytic Disease of the Fetus and the Newborn (HDN)
• Summarize options for management and prophylaxis of HDN
• Define characteristics of AutoImmune Hemolytic Anemias (AIHA)
• Classify Transfusion Reactions
• Outline steps to follow when a transfusion reaction occurs