Chapter 17: Hemolytic Anemia: Immune Anemias

Learning Objectives

At the end of this unit, the student should be able to:

1. Describe the sites and factors affecting hemolysis.
2. List the antibody systems or specificities usually involved in:
   a. Cold agglutinin syndrome
   b. Paroxysmal cold hemoglobinuria
   c. Warm autoimmune hemolytic anemias
3. Describe and recognize the characteristic hematological findings associated with the following conditions:
   a. Cold agglutinin syndrome
   b. Warm autoimmune hemolytic anemias
4. Contrast alloimmune and autoimmune hemolytic anemias including stimulus for antibody production, site of hemolysis and type of antibody involved.
5. List 3 classifications of immune hemolytic anemia (IHA).
6. List an infectious agent that can cause secondary cold agglutinin syndrome.
7. List lab tests useful in the diagnosis of immune hemolytic anemia.
8. Define the erythrocyte zeta potential.