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PNH AND THE COMPLEMENT SYSTEM

The cause of hemolysis in PNH can be complicated. This resource will help simplify the process by illustrating how the part of your immune system called the complement system plays a role. Understanding your disease and the complement system can be an important part in feeling more in control.

Learn more on the following page



PNH, paroxysmal nocturnal hemoglobinuria.



With PNH, some red blood cells (RBCs) are missing two protective proteins, CD55 and CD59

Without their protection, RBCs are attacked and destroyed by a part of your immune system called the **complement system**.

This destruction of RBCs is called hemolysis.

There are three different pathways in the complement system: the lectin, classical, and alternative pathways. The **alternative pathway** plays an important role for hemolysis in PNH.



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