

# Paroxysmal Nocturnal Hemoglobinuria (PNH)

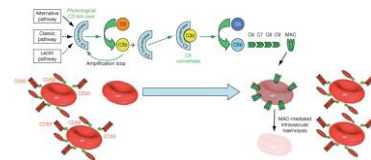
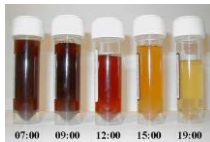
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## About me ...

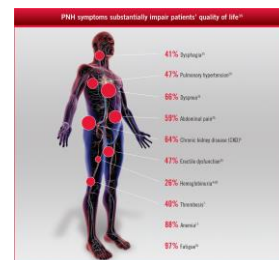
- ▶ Disclosures
  - ▶ Professional speaking for Alexion and Sirtex
- ▶ Background
  - ▶ Born and raised in South Carolina
  - ▶ Educated at Davidson College, Medical University of South Carolina
  - ▶ Internship/Residency in Internal Medicine at Vanderbilt
  - ▶ Fellowship in Hematology/Oncology at the Ohio State University
  - ▶ Physician at Tennessee Oncology since 2010

## What is PNH?



A normal CD55+, CD59+ red cell can withstand the hazard of complement activation. An abnormal CD55-, CD59- red cell (PNH red cell) will be lysed sooner or later by activated complement (intravascular hemolysis).

## A real patient I see ...



## Treatment Issues ...

- ▶ Immunosuppressive therapy
- ▶ BMT
- ▶ Eculizumab
- ▶ On the horizon ...