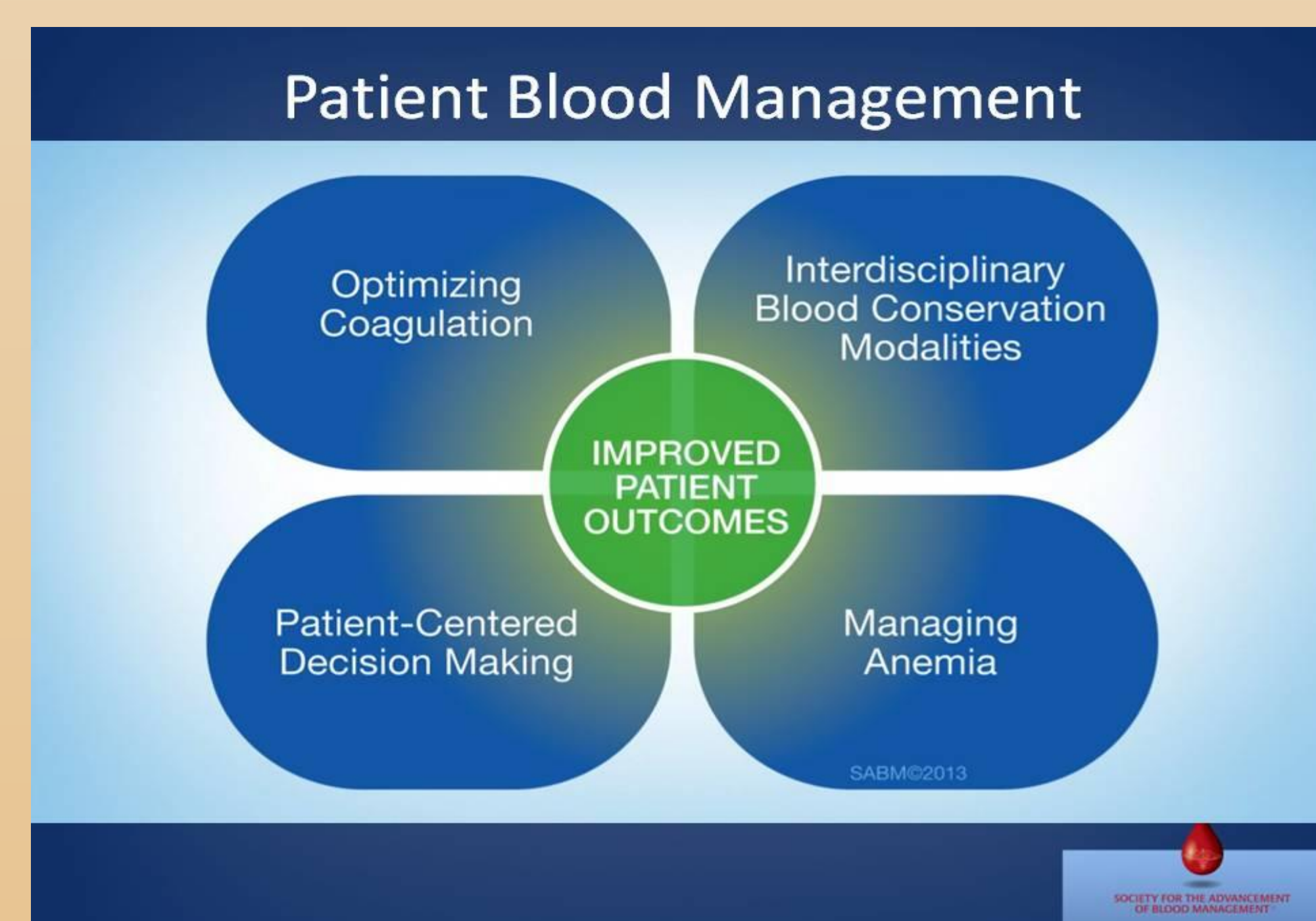


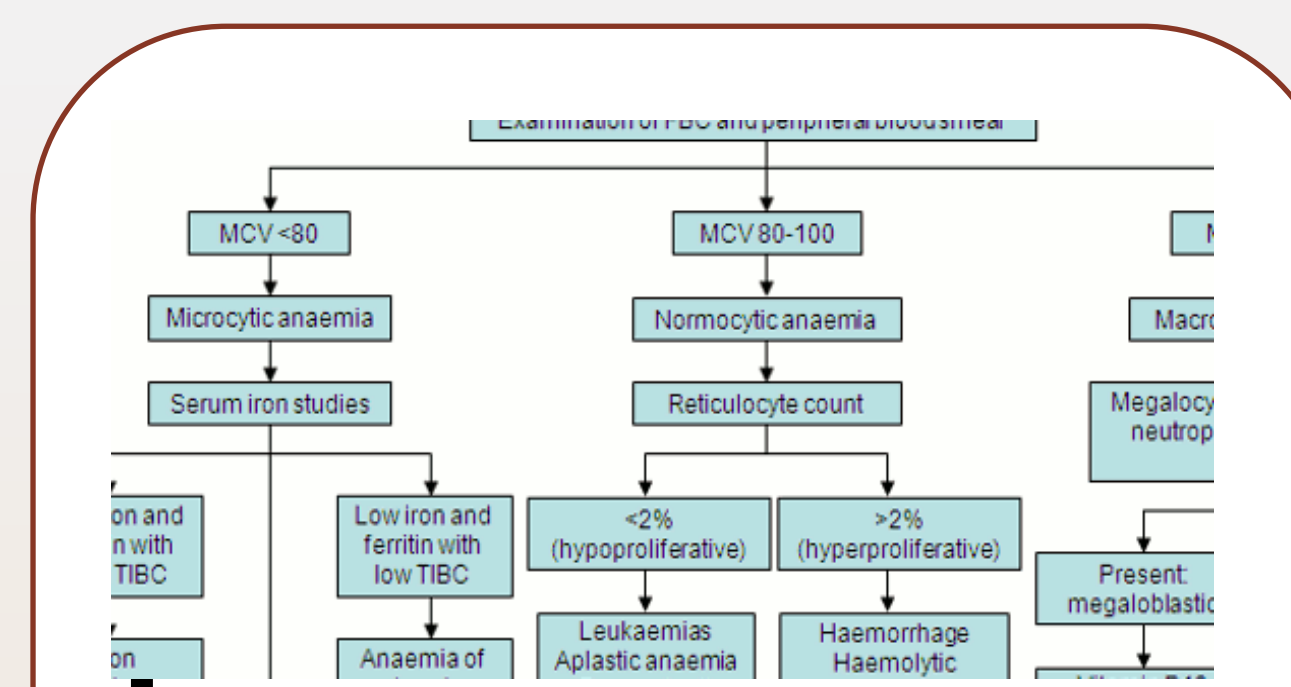
Abstract

- ❖ The Patient Blood Management (PBM) department at Geisinger Health System (GHS) strives for improved patient outcomes through management of anemia, optimization of coagulation, use of interdisciplinary approaches to care and focus on personal decisions of patients.
- ❖ Both anemia and transfusions of blood products are associated with poorer outcomes for patients. Patient Blood Management works with patients on both the inpatient and the outpatient side of the hospital. For example, through early screening and hemoglobin optimization, surgical patients can have better post-surgical outcomes. Outpatients with CHF and other chronic diseases can benefit from anemia screening and treatment, preventing readmission.
- ❖ The GHS PBM department has partnered with several service lines throughout the system to achieve their goals. Most notably, a recent partnering with GHS Pharmacy, to develop an innovative care model which is designed to help prevent, diagnose and treat anemia, and decrease and avoid transfusions for inpatients and outpatients throughout the system.

Our Core Values



Interprofessional Partners



- ❖ Hematology/Pathology
- ❖ Anemia Protocols



- ❖ Orthopedics, Cardiac, Neurology, other service lines
- ❖ Educating presurgical patients
- ❖ Reviewing labs ideally 28 days presurgery to optimize Hgb
- ❖ Iron infusions, other interventions presurgery

Inflammation (ACI) - Pre-surgery
1, 3, 5, and 7 days prior to surgery (must use pharmacologic VTE prophylaxis)

VCE, Test Dose, Mix in 10 mL Sodium Chloride 0.9%,
and every 15 minutes x 2 after Test Dose
ending dyspnea, hypotension, fever, or tachycardia after 30 minutes,
the dose - 1000 mg, IV, ONCE over 60 minutes, Mix in 100 mL Sodium Chloride 0.9%

Dextan Administration
Dextan 500 mg, Tab, PO, Pre-Procedure, 1 Dose/Time, Administer just before surgery
Dextan 500 mg, Tab, PO, Every 4 Hours, PRN, Pain, Duration 72 Hours

- ❖ Pharmacy
- ❖ Experts in medications
- ❖ Medical Management Protocols



- ❖ Infusion Centers
- ❖ Presurgical patients receive Infed/Venofor/Procrit

Transfusion Guidelines

- ❖ Use a restrictive approach to RBC transfusion
- ❖ One unit RBC at a time dose if not hemorrhaging
- ❖ Appropriate use of vitamin K
- ❖ Pushing back on FFP - INR 1.7.
- ❖ Prevent, diagnose and treat anemia (e.g. less phlebotomy, IV iron, Procrit when appropriate)

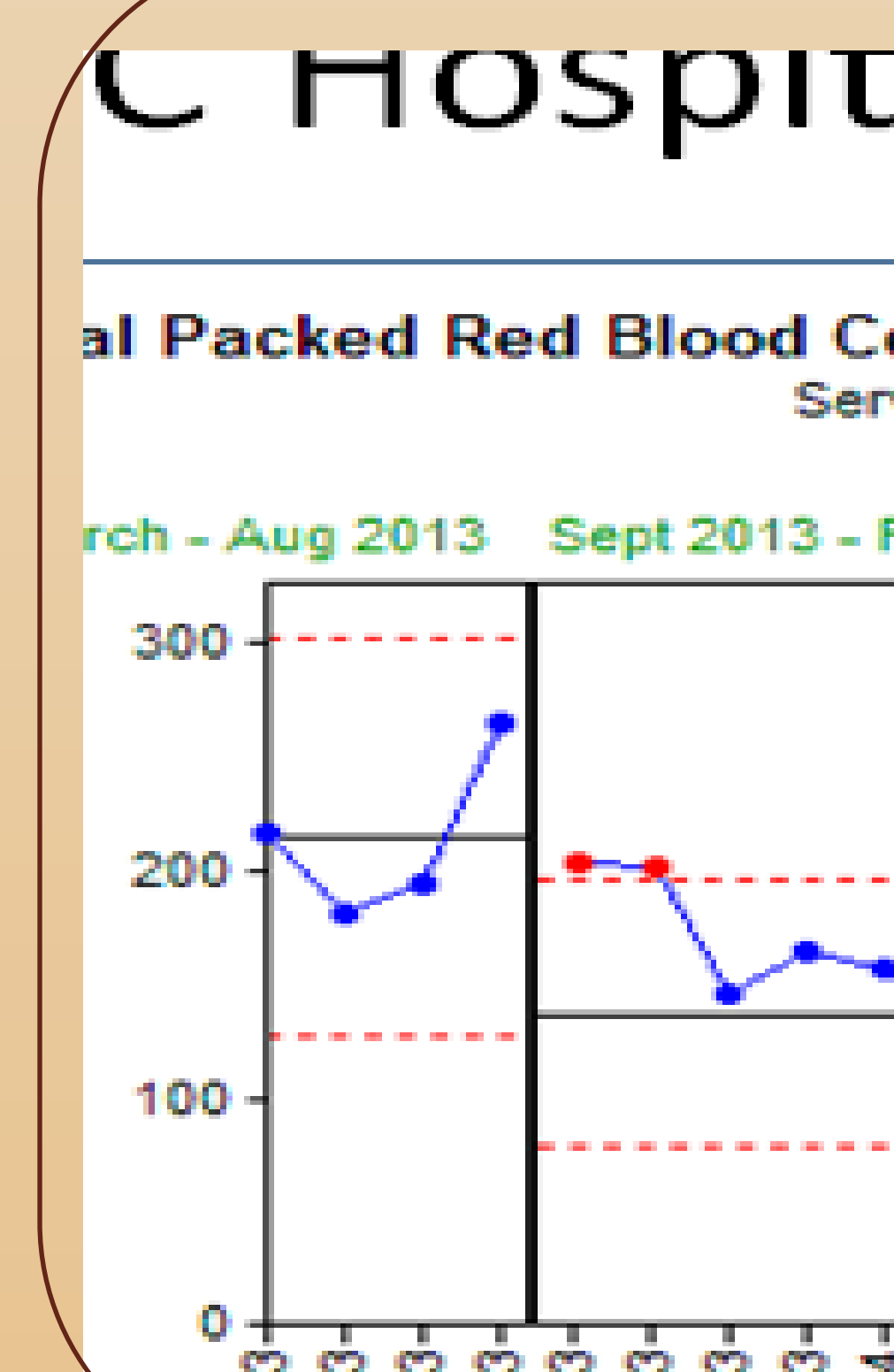
Summary

- ❖ Interprofessional collaboration is the key to success in this innovative focus on management of anemia and management of blood products.
- ❖ PBM and Pharmacy at GHS have brought their expertise together to develop a set of algorithms for a more consistent and efficient approach to diagnosis, treatment and prevention of anemia across the system.
- ❖ PBM partners with many services throughout the system to aid in the goal of anemia management and blood product management
- ❖ Through continual collaboration, this focused approach to anemia management and blood management will automate and simplify care of patients with anemia, and improve outcomes throughout the seven hospital, 4,321 clinic system and has the potential to keep patients on the inpatient side heal and get home faster, and outpatient side healthier, preventing readmission.

Questions, comments. Contact:

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- ❖ Patient Blood Management Champions. Hospitalists, ER Physicians, Surgeons
- ❖ Partners to educate on best practices
- ❖ Assist in monitoring practice
- ❖ Identify areas for improvements

