PERIOPERATIVE BLOOD MANAGEMENT (PBM)

PBM is a patient-centered, multi-disciplinary, evidence-based approach to appropriate utilization of allogenic and autologous blood transfusion. Autologous transfusion, which makes use of the patient’s own blood supply, is available for all patients in need of a transfusion.

INCREASE PATIENT SAFETY BY LIMITING ALLOGENEIC TRANSFUSION RISK

Blood transfusion is a life-saving treatment. Like most therapies, blood transfusion has risks. By implementing a perioperative blood management program and strategically minimizing allogeneic blood transfusion (blood received from another person), you can:

- Reduce infection risk
- Decrease length of stay
- Eliminate transfusion reactions
- Reduce administrative errors

EFFECTIVELY MANAGE YOUR BLOOD SUPPLY WITH PBM

The blood supply is a limited resource to be conserved whenever possible. Implementing a PBM program protects this precious resource and provides a safe and cost effective alternative to allogeneic transfusion.

DECREASE COST

The cost of blood is significant and increasing. Beyond the acquisition cost of allogeneic blood, there also are processing costs associated with each unit that can bring the total costs per unit to over $500. The graph on the right shows the economic benefits of using the fixed cost of autotransfusion services vs. incurring the rising costs of additional units of allogeneic blood during surgery. It assumes an acquisition cost of $214 per unit¹ and a mean total cost of $761 per unit.² Even if a single unit is required, autotransfusion is economically viable.

² Shander A et al. Transfusion 50: pp 753-765, 2010
PERIOPERATIVE BLOOD MANAGEMENT PROGRAM RECOMMENDATIONS

The following actions should be considered for an effective blood management program. They can be used together in a comprehensive approach or separately to meet the specific needs of your facility and patients.

• Use evidence-based transfusion triggers
• Minimize or eliminate preoperative autologous donations
• Limit iatrogenic blood loss
• Practice anemia management to optimize hemoglobin
• Educate and audit health care staff
• Utilize AABB Standards to guide perioperative autologous services

SERVICES OFFERED:

• Program assessment
• Program management
  > Provide capital equipment
  > Provide disposables
  > Provide certified blood management staff
• Perioperative services
  > Autotransfusion
  > Acute normovolemic hemodilution
  > Component sequestration
  > Platelet rich plasma
  > Platelet poor plasma
  > Autologous conditioned plasma
  > Autologous fibrin glue
  > Bone marrow aspirate concentrate
• Quality and data management
• Education and auditing
• Regulatory compliance
  > College of American Pathology
  > The Joint Commission
  > State Department of Health

PROCIRCA® is a premier perfusion specialist, employing experienced, insured and certified blood management specialists. Our perioperative blood management program is accredited and managed according to the AABB Standards for Perioperative Autologous Blood Collection and Administration. Contact us today to see how our experience and expertise can help you reduce cost and improve patient outcomes for your facility and patients.

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