

Perioperative Blood Conservation Program Algorithm

Pre-op: Surgeon's Office

Indications: Procedure Specific: high blood loss anticipated, group and reserve required

Patient Specific: anemia, blood antibodies, patient requests, refuses blood transfusion

Time Frame to Preadmission Clinic to OR Date: Ideal 25-30 days, minimum 14 days

Pre-op: Preadmission Clinic

Patient Education/Assessment

CBC/Ferritin, Height/Weight, Age, Comorbidities per Medical Directive

**Hb < 130 &
Ferritin < 35:**
IV iron

**Hb < 150 & Ferritin
> 35 & < 300:**
PO iron

Hb < 110
Physician Assessment

Hb 110-130
Eprex Strategy

Hb 130-150
PAD Strategy

Hb > 150
Adequate RBC Mass

Intra-op

Volume Expanders

Cell Salvage

ANH

Antifibrinolytics

Hypotensive Anesthetic

Surgery Technique

Post-op

Transfusion Guidelines:

If Non-Actively Bleeding Post-op Patient,
Transfuse 1 Unit RBC & Reassess

Hb < 70 - transfusion likely appropriate

Hb 70-100 - transfusion likely appropriate
if patient symptomatic

Hb > 100 - transfusion likely inappropriate