

Perioperative Patient Blood Management Program (PPBMP)

*enhancing patient care by implementing blood management strategies
and optimizing utilization of blood products*

| Preoperative | Intra-operative | Post-operative |
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| <p>Anemia Investigation Hemoglobin/Ferritin Diagnosis may be deferred to Family Dr.</p> <p>Hemoglobin Optimization Treatments Iron: PO Iron: IV Epoetin Alfa (Eprex)</p> | <p>Surgical Technique and Attention to Hemostasis</p> <p>Fluid Management Hypotensive Anesthesia Acute Normovolemic Hemodilution Cell Salvage Antifibrinolytics (specific to Orthopedic joint replacement surgery: tranexamic acid 20 mg/kg IV, caution: VTE history of/risk factors for) Topical hemostatic agents</p> <p>Cardiopulmonary Bypass: circuit, retrograde autologous prime, heparin/protamine management, point of care testing</p> | <p>Augment surgical recovery: pain control normovolemia normothermia supplemental oxygen promote comfort iron PO for 4 weeks</p> <p>Assess Patient Consider Hemoglobin Transfusion Trigger (hemoglobin indicating transfusion needed) Transfusion Target (post-transfusion hemoglobin target)</p> <p>Non-actively bleeding patient transfuse 1 unit RBC; re-assess</p> |
| <p>Patient Specific Variables: Cardio-respiratory Comorbidities, Age, Height/Weight</p> | | |

