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| PRODUCT | TRANSFUSION TRIGGER* | ADULT DOSE | EXPECTED INCREMENT | Notes |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Red Cells (PRBC) Store under ice</p> | <ul style="list-style-type: none"> • Hct < 21 • Hct <24%+ <p>+Acute Coronary Syndrome +</p> <ul style="list-style-type: none"> • Patient with Documented symptomatic anemia • Rapid blood loss with > 30-40% of estimated blood volume (>1500-2000 mL) not responding to appropriate volume resuscitation, or with ongoing blood loss. | 1 U PRBC | 3% | No data RBC improve outcomes |
| <p>Frozen Plasma (FP) 25 min to thaw Store under ice</p> | <p>INR >1.5 prior to procedure or if bleeding</p> <ul style="list-style-type: none"> • Thrombotic Thrombocytopenic Purpura • As part of 1:1 therapy for massive transfusions • Liver disease only if TEG documents a long r time | 2 U FFP | <p>*5% increase coagulation factors</p> <p>*unlikely to change INR if < 1.8</p> | <p>* No evidence INR 1.5-2 are risk for bleeding before procedures</p> <p>* FFP ineffective at correcting INRs in the 1.3-1.8 range</p> <p>* Use of FFP is risk factor for acute lung injury and multiorgan system failure</p> |
| <p>Cryoprecipitate (Cryo) 10 min to thaw Store at room temp</p> | <ul style="list-style-type: none"> • Fibrinogen <150 | 10 u Cryo (2 pools) | 50 | |
| <p>Platelets (PPH) Store at room temp</p> | <ul style="list-style-type: none"> • <10x10⁹/L – prophylaxis • <20 x10⁹/L before minor procedures (line placement, etc..) • < 50 x10⁹/L before major procedures or if bleeding | 1 U PPH | 30 x10 ⁹ /L | Contraindicated in TTP and HIT |