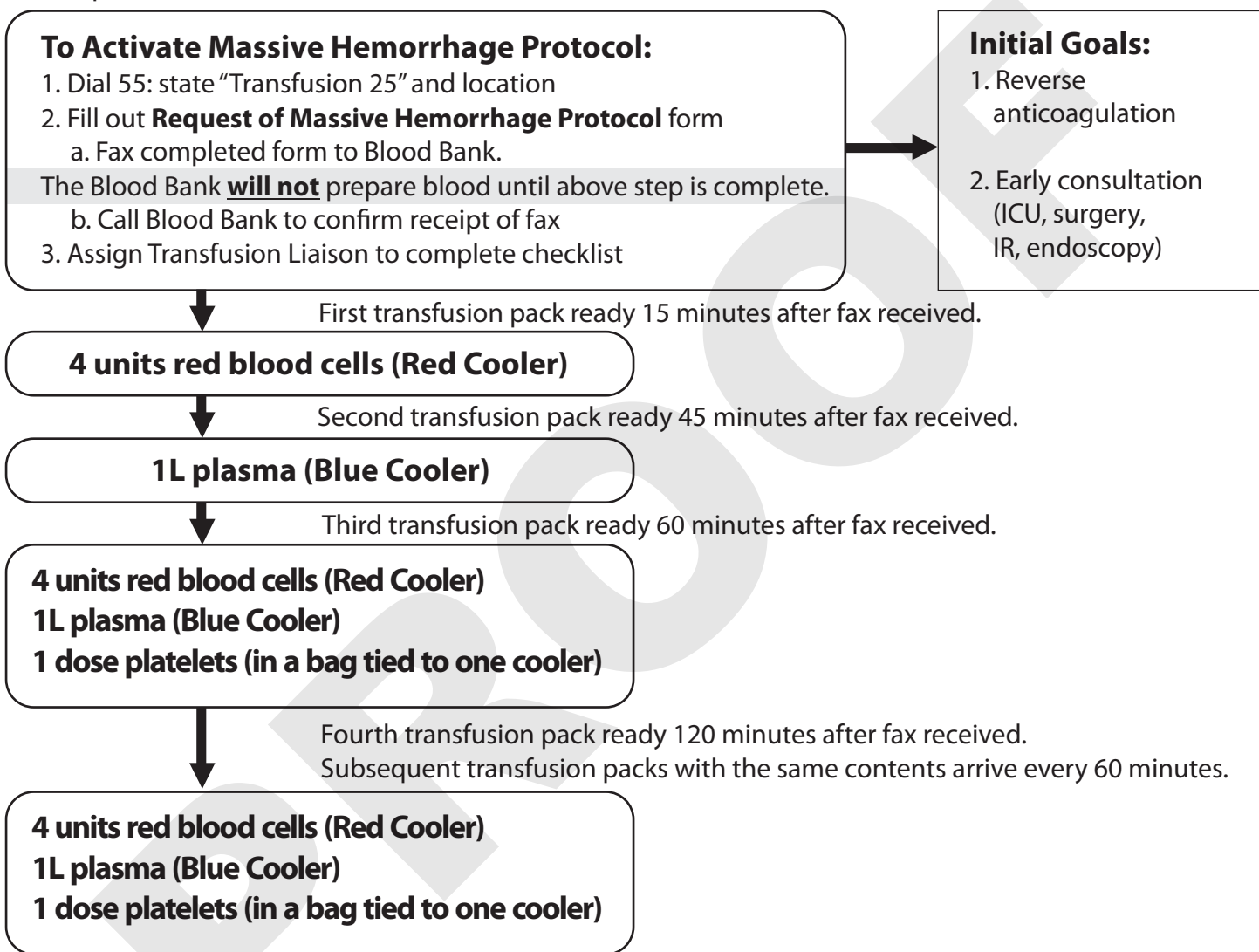




### Activate Massive Hemorrhage Protocol if:

- anticipated need for transfusion of 3 or more RBC units in 1 hour with ongoing need
- penetrating mechanism
- shock index <1 (SBP/HR)
- positive FAST exam



### Hemostatic Resuscitation Goals

|   |  |
|---|--|
| <b>Red Cells:</b>   | Goal Hgb 70-90 g/L   |
| <b>Platelets:</b>   | Goal >50 (>100 if intra-cranial or intra-ocular bleeding), consider transfusion if platelet dysfunction suspected (patient on Plavix, glycoprotein IIb/IIIa inhibitors or post cardiopulmonary bypass) |
| <b>Plasma:</b>  | Goal INR <1.4. Consider additional plasma if patient weight >70kg (appropriate dose 12-15ml/kg)  |
| <b>Fibrinogen:</b>  | Goal >1.5g/L (2.0g/L for Obstetric patient). Consider empiric treatment with Fibrinogen for Pre-eclampsia/eclampsia, DIC, placental abruption, AFE, HELLP, uterine rupture                             |
| <b>Calcium:</b>   | Goal Corrected Calcium <2.1 mmol/L or ionic Calcium >1.15 mmol/L. Suggest 1g Calcium Chloride via CVL or 2g Calcium Gluconate via peripheral or central IV over 5 minutes                              |
| <b>Tranexamic Acid:</b> Consider early use in trauma patients. 1g bolus followed by 125 mg/hr x 8 hrs |  |



Hôpital St-Boniface Hospital

## Massive Hemorrhage Package Contents

| Form Title  | Form Number  | Quantity |
|---|--------------|----------|
| Massive Hemorrhage Protocol Checklist / Debrief   | 7102-9118-8  | 1        |
| Canadian Blood Services CM077 Fax notification for Requesting Crossmatched Red Cells/Platelets/Blood Groups | SAP # 220583 | 1        |
| Canadian Blood Services Request for Pre Transfusion Testing   | SAP # 318008 | 1        |
| Request for Release of Massive Hemorrhage Protocol - SBH  | F160-INV-34B | 1        |
| Hospital Biochemistry / Hematology Test Requisition   | SAP # 351517 | 4        |
| Cumulative Blood Product Record (CBPR)  | SAP # 340712 | 1        |
| "Massive Hemorrhage" stickers   | NSO160B      | 1 sheet  |
| Red " Massive Hemorrhage" slip for pneumatic tube insert  | NSO1620D     | 5        |