

# Code Transfusion



The Ottawa Hospital

L'Hôpital d'Ottawa



UNIVERSITY OF OTTAWA  
HEART INSTITUTE  
INSTITUT DE CARDIOLOGIE  
DE L'UNIVERSITÉ D'OTTAWA

- A Criteria**
1. Evidence of bleed
  2. Hemorrhagic Shock or Trauma

3. Anticipated need for massive transfusion
4. Anticoagulated patient

**B Call STAT Line**  
 Declare 'Code Transfusion' and give patient location

Civic . . . . . 15555  
 Heart Institute. . . . .14777 or 8-15555  
 General. . . . . 71555

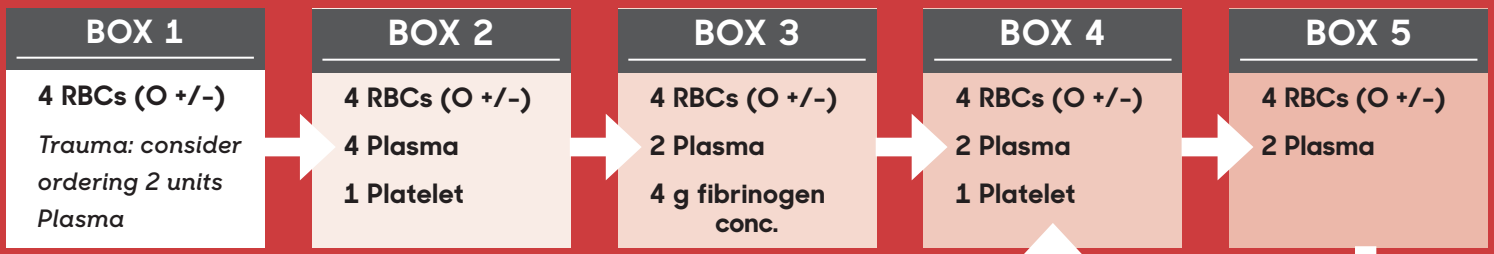
**C Notify Transfusion Medicine Lab**  
 Provide patient name, sex, MRN, any anticoagulants, and most responsible physician

Civic . . . . . 14328  
 Heart Institute. . . . .8-14328  
 General. . . . . 78302

- D Interventions**
- Administer tranexamic acid:  
1 g IV bolus then 1 g IV over 8H
  - Administer calcium chloride 1 g IV bolus
  - Treat and Prevent Hypothermia ( Temp >36 °C)
  - Send Massive Hemorrhage Protocol (MHP) labs
  - Reverse Anticoagulants
  - Definitive bleeding control: OR, endoscopy, angiography

- MHP Labs**
- Type/Screen
  - CBC\*
  - INR\*, Fibrinogen\*
  - aPTT, TT
  - Electrolytes and Cr
  - Ionized Calcium\*
  - VBG\*, lactate\*
  - Point-of-care testing\*
- \* repeat 60 min or 4 RBCs

**E Adminster blood products in empiric ratios provided until labs available to guide**



Call Transfusion Medicine to order next box or request products not in box

\*\*\* Keep Platelets at room temperature \*\*\*

Repeat calcium chloride 1 g IV bolus after every 4 RBCs

**F Monitoring and Termination**

- Collect \* labs every 60 min or 4 RBCs transfused
- Transfuse products as needed to meet MHP lab goals
- Order any blood products not included in boxes
- Give calcium chloride 1 g IV bolus if iCal <1.15 mmol/L
- Page Transfusion Medicine MD on-call as needed
- Notify Transfusion Medicine when code has ended

**MHP Lab Goals**

- Hb >80 g/L
- PLTs >50 x 10<sup>9</sup>/L
- INR <1.8
- Fibrinogen: Non-OB >1.5 g/L OB >2.0 g/L
- iCal > 1.15 mmol/L