

Clinical 'Team Contact' Role

One bedside individual assigned by the physician lead activating the MTP to communicate with the Transfusion Medicine Lab (TML) who:

- Notifies TML (#2179) of the MTP activation.
- Provides patient identification (name, HSN, sex, **WEIGHT**), care team location, contact phone #, and name of physician lead.
- Records TML technologist contact name and time of MTP activation.
- Confirms group, screen & crossmatch sent to TML.
- Ensures MTP Panel sent every 30 minutes.
- Updates TML at least every 30 minutes.
- Informs TML of any change in patient location, contact phone #, team contact individual, or physician lead.
- Calls TML as soon as the MTP is discontinued by the physician lead.
- Ensures coolers returned to TML ASAP.

Treatment considerations:

- If INR >1.5 or aPTT >40 and hemoglobin stabilizes, prioritize plasma transfusion over red cells.
- If fibrinogen <1.5 g/L consider cryoprecipitate (dose 1 unit/10 kg).
- If platelets <75x10⁹/L consider an additional dose of platelets.
- If ionized Ca⁺⁺ <1mmol/L give 50 mg/kg calcium gluconate.
- Based on results, MTP box contents may be customized upon request.

If patient is on anticoagulants, or other transfusion advice is required, consult the on-call Transfusion Medicine Physician (switchboard – #1000)

Identify and manage bleeding
Collect Group, Screen & Crossmatch; CBC, Coagulation samples (aPTT, INR, Fibrinogen) STAT

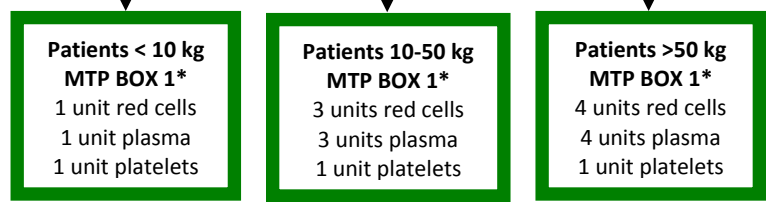
Pediatric Massive bleeding criteria met (1 of the following):

- Loss or anticipated loss of >50% (40 mL/kg) total blood volume in 3 hours.
- The loss or anticipated loss of 100% of total blood volume in 24 hours.
- Blood loss of >10% total blood volume per minute.

NOTIFY TML OF MASSIVE TRANSFUSION PROTOCOL ACTIVATION (#2179)

Tranexamic acid 10-30 mg/kg IV (MAX 1 g) over 15 minutes in all patients within 3 hours of injury, followed by 5-10 mg/kg/h IV infusion over 8 hours in trauma patients.

Pick-Up MTP Boxes and Transfuse warm red cells and plasma with Level 1 Rapid infuser (do NOT warm platelets).



Collect 'MTP panel' bloodwork every 30 minutes and review results to guide treatment

MTP Panel includes:

- CBC
- INR/aPTT
- Fibrinogen
- Venous blood gas
- Ionized Calcium

Alternate MTP Box 1 and 2 until clinical situation is resolved

MTP BOX 2
Same ratios as MTP BOX 1, but does not include platelets

*MTP BOX 1 may arrive without plasma at MTP initiation (approx. 25 min delay to allow for thaw) (~25 min delay to allow for thaw, unless liquid units available)

Contents of MTP Boxes must be transfused within 4 hours of issue. Transfusion Medicine WILL CONTINUE preparing boxes unless notified that MTP is discontinued.