ACTIVATE PEDIATRIC MTP
1. **Order, Initiate, and Sign** Pediatric MTP PowerPlan
2. **Notify Blood Bank** with the following:
   - Patient Name, MRN, and Location
   - Estimated Weight
   - Attending Physician
   - Point of Contact Name and Contact Number

**INITIAL LABS INCLUDED IN MTP PowerPlan:**
Type and Screen
ABG
CMP
iCa
EHP (H/H, Plt, PT/INR, Fibrinogen)
(1 lavender and 1 light blue tube)

**BLOOD BANK NOTIFICATION:**
333 (in-house phone)
272-3333
925-3333
272-2591

**BLOOD BANK PREPARES MTP PRODUCTS BY PATIENT WEIGHT**

<table>
<thead>
<tr>
<th>Patient Weight</th>
<th>RBC Units</th>
<th>Plasma Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;20 kg</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>20-50 kg</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>&gt;50 kg</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

- Every other MTP round includes 1 apheresis platelet unit (a “6 pack” of platelets)
- Transfusions < 1 unit: may draw multiple transfusions from 1 unit with sterile syringe/technique

**RETURN UNUSED PRODUCTS TO BLOOD BANK**
- Return cooler/Refrigerator on Wheels (ROW) to blood bank with all unused products.
  *Do NOT put platelets or cryo in coolers or ROW*

**TRANSFUSE PRODUCTS**
- Consider **TXA**: 15 mg/kg bolus over 10 min, then 2 mg/kg/hr over 8 hrs (max 1gm each time)
- 15 mL/kg each RBCs:Plasma:Platelets (1:1:1 ratio)
- Reassess ongoing need for MTP products

**PROTOCOL DISCONTINUED**
Discontinued by clinical team
*Notify Blood Bank of discontinuation*

**RETRIEVE ROUND FROM BLOOD BANK**
Next round prepared when clinical team picks up prepared products
*Clinical team **must** pick up products from blood bank*

**REPEAT LABS:**
Every 30 minutes during MTP:
EHP (H/H, Plt, PT/INR, Fibrinogen)
As clinically indicated: ABG, iCa, Chem7

**IMPORTANT TO REMEMBER:**
*Cryo is not included in the Pediatric MTP order set - order separately based on lab results.
*Notify the Blood Bank for **ALL** changes to patient location or Contact Person (272-2591).
*Do not put platelets or cryo in the coolers or ROW.
*EHP specimens must be HAND DELIVERED to lab
Pediatric Massive Transfusion Protocol

**Actively Bleeding Patient**

**Suggested Indications to activate MTP:**

- Large blood loss and symptomatic hemorrhagic shock
- Continued significant bleeding in the presence of:
  - INR > 1.9
  - Fibrinogen <160 mg/dL
  - Thrombocytopenia with:
    - < 50,000 without intracranial/intraocular hemorrhage
    - < 100,000 with intracranial/intraocular hemorrhage

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**Ultimately- The decision to activate the MTP is up to the clinical judgement of treating physician**

- Already transfused ≥ 40 mL/kg RBCs