**Massive, Trauma and Emergency Protocol**

**STEP: 1**

* Complete MTP/Trauma Form.
* Prepare Igloo (3 Frozen and 2 Refrigerated Gel Packs).
* Take out TRAUMA PACK from the blood bank refrigerator.
  + Note:

MTP

* + - * 6 PRBCs, 6 Plasma and 1 Platelet Apheresis

Trauma/Emergency

* + - * 4 PRBCs or
      * 2 PRBCs
* Male or Female (Non-Child Bearing Age) >54 years old - O Positive Units
* Female (Child Bearing Age) <54 years old - O Negative Units
* Write the Trauma Name and Medical Record Number on the Transfusion Record Form or attach Patient Label.
* Place Temperature Strips on every Blood Products on the bottom part of the bag (PRBCs and Thawed Plasma).
  + Note:

DO NOT put any Temperature strips on all freshly thawed plasma. Transport them with a separate container. DO NOT combine them with the PRBCs.

* Dispense Thawed Plasma and Platelet Unit in Cerner and attach TRF to units (Liquid Plasma – can be dispensed after taking down the units downstairs)
* Place all products inside the IGLOO/Box.
* Take the blood products down to the ED. Use stairwell going down.
* Write the time immediately on the **Dispense Packing** list as soon as you arrive in the ED
* Cross check the units with the **Trauma RN.** Make sure to ask the Trauma Name of the patient
* Let the Trauma Physician sign and date/time the Dispense Packing List. Make a copy and place it on top of the cooler.
* **DISPENSE** all products in CERNER as soon as you get back in the lab.
* Start preparing for the **2nd round of MTP**

**STEP: 2**

**2nd Round of MTP**

* Use Group (O+ or O-) products that is close to outdate.
  + Thawed Plasma (Thaw more FFP if there are no more available)
  + Platelet
* Go to:
  + Assign/Dispense Product app
  + Select **Dispense** (**NEVER** use **Emergency Dispense**)
    - Dispense the products with another CLS or LA to double check the product being dispensed.
      * PRBCs
      * Thawed Plasma
      * Platelets
    - Attach the corresponding Transfuse Record Form (TRF) to each units
    - Immediately return the dispensed products to Cerner so it will become available again.
    - Place all units in a biohazard bag (by product types) together with the dispensed packing list for easy access when a 2nd round is requested.
    - Place the Platelet Concentrate back to the platelet agitator
    - When the 2nd round is requested, pull out all three biohazard bags (Thawed Plasma, Platelet and PRBCs) from their respective storage compartment. Place Temperature Strips on all refrigerated products. For FFP that are freshly thawed, **DO NOT** attach any temperature strips

**Note:** Make sure to ask the Nurse to bring back the Igloo

* + - Before releasing the products, ask the courier the complete name of the patient. If it matches, then immediately release the products to the courier.

**STEP: 3**

**Patient’s Sample Testing**

* Immediately perform **ABO/Rh**, **Antibody Screen** and **ABO/Rh Recheck** testing on the patient’s sample as soon as it is received. Crossmatch all dispensed PRBCs as soon as work-up is done and completed.
* Crossmatch more units as needed.

**Preparing MTP/Trauma Pack**

* Grab Group O units to prepare (Rh+ or Rh-)
  + 2, 4 or 6 units
  + Pick units that has longer outdates.
  + O negative units for female child bearing age patients
  + O positive units for Male and Female non-child bearing age
* Open Dispense/Assign App
* Click **EMERGENCY DISPENSE** (This is the only time you will use the **EMERGENCY DISPENSE App when making a Trauma/ Massive packs)**
* Emergent Patient Box
  + **Type TRAUMA**
* Start Scanning Units (2, 4, 6)
* Click ENTER
* Override? Click YES
* Reason “Emergency”
* Click SAVE
* Physician - CHOW, JONATHAN MD
* Reason - EMERGENCY
* Department - MOD-ED
* Click OK
* Grab the Dispense Packing List (DPL) and the **Emergency Transfusion Record Form** from the printer
* Stamp the DPL with the **EMERGENCY RELEASE STAMP** and make extra copy.
* Move magnets to the Trauma side of the Board
* Return all Units back to Cerner to make it available (Use Return Product App)
* Place all Units in a bag appropriately labeled with the Trauma Name (i.e. Trauma Female “4 O- Units” etc.)

**Returned Trauma Units**

* **PRBCs**
  + - **Crossmatched PRBCs after it was dispensed**:
      * Return unit/s in Cerner
      * PRBCs will automatically become available once it is returned in Cerner
      * Store units back to the un-crossed inventory/shelf
    - **Un-Crossed PRBCs:** 
      * PRBCs will remain **ASSIGNED** after returning in Cerner
      * Release unit/s from TRAUMA and return units to the un-crossed inventory/shelf

Note: Crossmatch PRBCs as needed.

* **Thawed Plasma/ Platelet/Cryo**
  + Return units in Cerner
  + Units will remain **ASSIGNED** – you can either release the units from the patient or keep it assigned.