

## Massive Transfusion Step-By-Step Guide

### Activation of MTP:

- STEP 1 -** Initiate Massive Transfusion Protocol  
Physician orders MTP & obtains informed/emergency consent.  
MTP package obtained from standards of care filing bin.
- STEP 2 -** In-Charge assigns 1 person to communicate with Blood Bank/Lab:  
Designated as **MTP Nurse** (usually Primary Nurse)
- STEP 3 -** MTP Nurse **Immediately notifies Blood Bank of MTP & of Trauma Bay II Phone #2547**
- STEP 4 -** NUC phone Lab Accessioning for **MTP STAT** specimen collection or tube specimens to Lab.  
CBC, E7, PT, PTT, Type & Crossmatch (MTP tubes located in MTP bin Trauma Bay # 2)
- STEP 5 -** NUC tubes to Blood Bank all Crossmatch Reqs: stamped with patient name & # (Reqs in MTP Package)
- STEP 6 -** Initiate MTP "Working Page".

### Administration of Blood Products:

- STEP 1 -** NUC immediately sends Porter to pick up blood in Blood Bank (Porter to wait there until blood is ready)  
Unmatched O neg available in 15 minutes or less of MTP activation  
Unmatched Group Specific available in 30 minutes of MTP activation
- STEP 2 -** MTP Nurse to administer blood:  
Level 1 Rapid Infuser (change Q3hrs or if clogged)
- STEP 3 -** MTP Nurse orders blood work (standing orders / Reqs in MTP package):  
**CBC, PT, APTT, E7, Fibrinogen (Q30mins)**  
D-Dimer as per Physician (usually after 6 units of PRBC's)  
Calcium & ABG's as per Physician (monitor acid/base disturbances)
- STEP 4 -** Maintain correct temperature of Blood Products:  
Packed cells in Blood Bank Cooler                      Platelets & Cryoprecipitate at room temperature
- STEP 5 -** MTP Nurse communicates with Physician & Blood Bank **Q30 - 60 mins** to confirm continuation of MTP
- STEP 6 -** Consider **FFP** after 6 units of blood (allow 15-30 mins thawing time)  
Aim for PTT < 1.5 x mid - normal Dosage 10 - 15 ml/kg (4 units/70 kg)

### Transferring MTP Patient:

- STEP 1 -** MTP Nurse must inform Blood Bank of patient's transfer to new department & name of new **MTP Nurse**

### Termination of MTP:

- STEP 1 -** Physician determines MTP complete
- STEP 2 -** MTP Nurse immediately notifies Blood Bank of MTP termination
- STEP 3 -** Complete MTP Critique form # 11- 020- 2010 and forward to Lab: C/O Charge Technologist Transfusion Services

**\*PATHOLOGIST WILL BE ON CALL TO SUPPORT THE MTP TEAM DURING ITS PROGRESS**