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 - normalDosage 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*