

## MC929-A

### Addendum: Massive Transfusion Protocol (MTP) Nursing Responsibilities

#### OBTAINING MTP COOLER:

1. Call the Blood Bank and give the following information to the Blood Bank to initiate issuance of MTP cooler:
  - Patient Name
  - MRN
  - Attending Physician's name who is ordering MTP
  - Location
  - Call back phone number
  - **Pediatric MTP- Measured weight in kg or Broselow Tape approximate weight in kg**
2. Ensure the Blood Tissue Call Card/MTP pick-up slip has been signed and bring it to the Blood Bank to pick up the cooler.
3. Send blood specimen for T&S as soon as possible following steps as outlined in the Blood and Blood Products Standard.
  - \*Note: Blood administered as part of the MTP has the same nursing care requirements (e.g., two licensed personnel check, no blood product scanning, monitoring) as other blood products. This protocol is always used in conjunction with the Blood & Blood Products Standard.
  - Exception: MTP may be initiated before a blood specimen is sent for Type and Screen (T&S). The time from phone call to availability of the MTP cooler is approximately 15 minutes.

#### MANAGEMENT:

4. Keep blood products in the cooler until ready to use.
5. Do not remove or tamper with ice packs from the cooler (Exception OR).
6. Keep cooler closed when not removing a blood product.
7. Transfuse blood/blood products in the order they are found in the cooler, e.g., apheresis unit, which is outside the cooler first, then the product at the top of the cooler) or as ordered by the provider.
8. Never place platelets in the cooler.
9. Return to Blood Bank the oldest of at least 2 coolers in the room when exchanging for subsequent coolers.
10. Ensure cooler and any unused blood products are returned to Blood Bank as soon as possible.
11. Use blood warmer when patient is receiving more than 4 units/hour of red blood cells.
  - Change tubing/filter after 3 hours, or if fluid rate slows because of clotting.
12. Assess hemoglobin, hematocrit, platelet count, PT/INR, fibrinogen, and blood gas as drawn.
13. Transfer cooler with the patient (e.g., to another unit, to OR), keep track of cooler at all times.
14. Discontinuation of MTP protocol:
  - Notify Blood Bank

Return remaining coolers in the OR or unit to the Blood Bank as soon as possible

**PATIENT/CAREGIVER EDUCATION:**

15. Instruct on the following:

- Purpose of MTP
- Prevention of hypothermia

**ADDITIONAL STANDARDS:**

16. Implement the following as indicated:

- Blood and Blood Products Standard
- IV Therapy
- Central Venous Catheter

**DOCUMENTATION:**

17. Document in accordance with documentation standards.

- In iView under Blood Product Transfusion navigator band.

**SPECIAL CONSIDERATIONS:**

If the patient has received blood from a blood bank emergency refrigerator on the unit (e.g. in the ER or OR), or if the blood bank has issued 2 units of blood within the previous hour, an apheresis platelet unit will be issued with the first cooler as well. This platelet unit should be administered PRIOR to the PRBCs and plasma unless directed otherwise by provider. If two coolers are issued at the same time, use the contents of the cooler without the apheresis platelets first.

ALL Blood Products from DEM, OR, and OB/GYN satellite refrigerators and MTP units in coolers are EMERGENCY RELEASE (uncross matched). Please use the units from these resources as your first cooler of the MTP if available.