

Adult Massive Transfusion Protocol (MTP)

CRITICALLY BLEEDING ADULT

Crisis leader responsibilities

(Should be a registrar or consultant)

- Designate and activate MTP coordinator (Coordinator must be a clinician)

MTP coordinator responsibilities

Activate / Manage MTP

- Call Blood Bank **98470 / 98472** and MTP Attendants **24082**
- For each state 'I am activating the Massive Transfusion Protocol'
- State **patient's name, NHI and location** as well as your name and position
- Send blood request form with patient's details to Blood Bank (write MTP across front)
- Use the designated MTP attendants to collect each pack of blood products as required
- Assess patient continuously for ongoing need for MTP and liaise with crisis leader
- Make a decision to cancel MTP and inform **both** Blood Bank and MTP attendant immediately
- Complete **and sign** MTP cancellation card and give to MTP attendant to take to Blood Bank

Blood Bank responsibilities:

- Send MTP cancellation card and MTP Protocol in pack one
- Notify NZBS medical officer after issuing pack four of MTP

MTP attendants responsibilities:

- Collect first pack from Blood Bank
- Place green MTP sticker on your person where easily visible
- Keep some form of patient ID with you
- Collect packs **ONLY** as instructed by MTP coordinator **OTHERWISE**
 - **STAY** with the patient until MTP cancelled
- Return **completed and signed** cancellation card along with any unwanted blood products back to Blood Bank
 - **DO NOT** put green/white bags in red boxes

Additional treatment thresholds:

- If ionized $Ca^{++} < 1$ mmol/L give 6.8mmol CaCl = 1amp
- If INR > 1.5 or APTT > 40 consider additional 4u FFP
- If fibrinogen < 2.0g/L give additional 3u Cryo
- If platelets < $75 \times 10^9/L$ consider an additional unit of Platelets

Additional contacts:

Coagulation lab - Ext 98459 Pager 20073
Duty anaesthetist - Mobile 23322

Designate a Crisis Leader

Ensure delivery of X-match specimen to Blood Bank

Request urgent blood

Give 3 units type specific RBC or 3 units O Neg

Massive bleeding with either shock or abnormal coagulopathy

Activate MTP coordinator role

Activate MTP

Ring Blood Bank **98472 AND** MTP attendant **24082**

Send blood request form to blood bank, with both **patient ID and "MTP"** clearly indicated

Blood Bank to check patient has received 3u RBC

If **yes** send MTP pack one.

If **no** send 3 units RBC first.

REQUEST, DELIVER AND TRANSFUSE AS BELOW:

