APPENDIX F

Massive Transfusion Protocol



MASSIVE TRANSFUSION PROTOCOL



Massive Transfusion Protocol



Department of Transfusion Medicine & Trauma Team, Hospital Tuanku Ja'afar

Criteria to activate MTP;

Assumption of Blood Consumption(ABC) ≥2

Information required by Blood Bank

- Name of Specialist who activates MTP
- Patient's details
- MTP Coordinator's name & contact number

Sample and form (MTP Kit) required*

- 10 mL of blood sample in 4 EDTA tubes
- 4 GXM forms

*Each complete MTP Kit is used for 2 cycles of MTP package. Every time after 2 cycles, new complete MTP Kit is required (if planned to continue MTP)

If antibody detected;

- Blood components (FFP, platelet, cryoprecipitate will be supplied as planned)
- For PC, full cross match compatible will be supplied

To activate MTP

- Only by Specialist
- MTP coordinator to inform Blood Bank MO on call



1st package (≤ 30 minutes)

- 4 units PC emergency crossmatch
 - 4 units FFP



45 minutes within previous package supply →

MTP coordinator must update Blood Bank MO on call → MTP Continuation / Deactivation OR Auto-termination



2nd package and subsequent MTP packages (≤ 45 minutes)

- 4 units PC full cross match
 - 4 units FFP
- Consider 4 units platelet* and/or 6 units cryoprecipitate
 *based on availability



To deactivate MTP

MTP coordinator to notify Blood Bank MO on call

Information Safe 'O'

- Safe 'O' blood stock is available for emergency cases in the ED
- Safe 'O' blood should be transfused prior to MTP activation

MTP Coordinator

- Must be available to discuss cases with Blood Bank MO on call
- Once the patient is in the OT, anaesthesiology MO will be the MTP coordinator.
- To fill up MTP feedback form

MTP Runners

To take blood sample, fill & bring up MTP kit to blood bank

Baseline Blood Investigation

FBC, ABG, PT/APTT/INR, fibrinogen