

# Major Transfusion Protocol Nurse

## Prior to Arrival

- Identify and work with MHP doctor
- Ensure Blood bank activated
- Familiarise with Major haemorrhage protocol & prevention of coagulopathy
- Primes rapid infuser
- Arranges for blood products to be collected from blood bank
- Identify nurse for countersigning blood products

## On Arrival

- AMPLE history; ?anticoagulant medications
- Reminder: **Group & Crossmatch** sample pre-transfusion
- Commences blood transfusion
- Manages the rapid infuser and administers blood Products.
- **Ensures 1:1:1 transfusion**
- Keep all blood packs post transfusion for counting
- Ensures blood bank aware if stood down in consultation with Team leader
- Return unused blood products to blood bank

## OPTIMISE:

- oxygenation
- cardiac output
- tissue perfusion
- metabolic state

## MONITOR

(every 30–60 mins):

- full blood count
- coagulation screen
- ionised calcium
- arterial blood gases

## AIM FOR:

- temperature  $> 35^{\circ}\text{C}$
- pH  $> 7.2$
- base excess  $< -6^*$
- lactate  $< 4 \text{ mmol/L}$
- $\text{Ca}^{2+} > 1.1 \text{ mmol/L}$
- platelets  $> 50 \times 10^9/\text{L}$
- PT/APTT  $< 1.5 \times \text{normal}$
- INR  $\leq 1.5$
- fibrinogen  $> 1.0 \text{ g/L}$