

Appendix 3: MAJOR PAEDIATRIC HAEMORRHAGE (RLH)

TEAM LEADER to ACTIVATE MAJOR PAEDIATRIC HAEMORRHAGE PROTOCOL
To NOMINATE a member of team as **COMMUNICATION LEAD**

Indication

- Haemodynamically unstable patients due to rapid and continuous blood loss
- Poor response to initial fluid resuscitation (up to 40ml/kg)

COMMUNICATION LEAD to CALL the (RLH) lab on EXT 61108

- STATE:**
- MAJOR PAEDIATRIC HAEMORRHAGE
 - patient unique identifier & date of birth
 - Location of patient
 - Your Name, Bleep or Extension number
 - Request PACK based on weight:
 - **Patients >50kg should follow the Adult Protocol**

PAEDIATRIC PACK A	PAEDIATRIC PACK B
<ul style="list-style-type: none"> • Red Cells: 20 ml/kg • FFP / Octaplas: 20ml/kg 	<ul style="list-style-type: none"> • Red Cells: 20ml/kg • FFP / Octaplas: 20ml/kg • Platelets: 15-20ml/kg • Cryoprecipitate: 10ml/kg

N.B: Neonatal components MUST be ordered for children <1 year of age and collected from the laboratory. Refer to Appendix: Table of Volumes for Requesting Blood Components

PRIOR TO TRANSFUSION, take baseline blood samples for:
FBC, G&S, clotting screen and fibrinogen (Near patient testing – ABG/capillary gas, ROTEM)

COLLECT PACK A: RBC from REMOTE FRIDGE & Send porter to lab to COLLECT FFP

- Give **TRANEXAMIC ACID 15mg/kg bolus (Max = 1g)** over 10 minutes followed by 2mg/kg per hour for at least 8hrs or until bleeding stopped for non-Head injury.
- Give a **SINGLE dose TRANEXAMIC ACID 15mg/kg dose (max 2g)** for Head injury

IF BLEEDING CONTINUES: Request PACK B

Anticipate need! Request early, before completion of previous pack.

- Continue to collect RBC [REMOTE FRIDGE]
- Send porter to lab to collect: FFP / Octaplas, cryoprecipitate and platelets
- Give in aliquots until haemorrhage is controlled
- No crystalloid / colloid until bleeding controlled and base deficit corrected
- Keep K⁺ less than 5.8, keep Ca⁺⁺ > 1.0

ONCE BLEEDING CONTROLLED

Repeat: **FBC & CLOTTING**

IF	GIVE
Hb <100g/L	RBC: 20 ml/kg
PLT <100 x 10 ⁹ /L	PLT: 15/20ml/kg
Fibrinogen <1.5g/L	CRYO: 10ml/kg
PT / APTT ratio >1.5	FFP: 20ml/kg

STEP DOWN MAJOR HAEMORRHAGE

BLEEDING PERSISTS:

- Contact General Haematology SpR on **45856**
- Out of hours:** Contact on-call General Haematology SpR via **Switchboard**

CONTACT NUMBERS RLH (PAEDIATRICS)

Department / Key staff	Contact Number	Location
A&E Resus	40869	Main Hospital
Blood Transfusion Laboratory	61108 60344	4th Floor, P&P Building
Consultant Trauma Anaesthetics (Bleep)	1495	Main Hospital
Haemostasis Registrar (DECT)	46313	Main Hospital
General Haematology Registrar (DECT)	45856	4th Floor, P&P Building
ITU Registrar	45715	Main Hospital
Main Theatre Coordinator	45662	Main Hospital
Paeds and Obstetrics Theatre Coordinator	02035945663	Main Hospital

LOCATION of BLOOD FRIDGES (RLH)

Number	Floor	Location	Building
1	Ground Floor	Accident & Emergency Resus	Main Hospital
2	1st Floor	Interventional Radiology	Main Hospital
3	2nd Floor	Haematology Day Unit*	Main Hospital
4	3rd Floor	ACOMPUTER-AIDED DISPATCH Theatres	Main Hospital
5	4th Floor	Acute Critical Care Unit	Main Hospital
6	4th Floor	Main Theatres	Main Hospital
7	6th Floor	Paediatric Theatres	Main Hospital
8	9th Floor	Renal Department	Main Hospital
9	12th Floor	12D Ward	Main Hospital
10	4th Floor	Blood Transfusion Laboratory	P&P Building

NOTE: * [Haematology Day Unit](#) (RLH) Blood Fridge limited access

LOCATION of HAEMOSTATIC AGENTS at RLH

Agent	Location (RLH)
Octaplex	Inpatient pharmacy, ED, HEMS, Haemophilia centre*
Recombinant Factor VIIa Novoseven	Inpatient pharmacy, Haemophilia centre*
Fibrinogen concentrate	Haemophilia centre*

*Haemophilia centre stock accessible through discussion with Haematology SpR (via switchboard out of hours; bleep 1155 at Royal London Hospital in hours for Haemophilia Registrar).

Please note: prescribing medications and getting drugs from the pharmacy is the responsibility of the clinical team that the patient is under.