

Appendix 8: MAJOR ADULT HAEMORRHAGE (NUH & WXH)

TEAM LEADER to ACTIVATE MAJOR ADULT HAEMORRHAGE PROTOCOL

CALL: 2222

To **NOMINATE** a member of team as **COMMUNICATION LEAD**

Indication

- Haemodynamically unstable patients due to rapid and continuous blood loss
- Ongoing blood loss likely to need > 4 units of Red Blood Cells (RBC)
- Determine if Cell Salvage available and appropriate to use

COMMUNICATION LEAD to CALL the lab:

NUH	WXH
Ext: 3280	Ext: 5035 or Bleep 2168

STATE:

- MAJOR ADULT HAEMORRHAGE
- patient unique identifier & date of birth
- Location of patient
- Your Name, Bleep or Extension number

REQUEST PACK A:

- 6 RBC [Issued from Lab for immediate collection]
- 4 FFP (takes 20-30 mins to thaw)

SEND porter / runner to lab to COLLECT PACK A

PRIOR TO TRANSFUSION, take baseline blood samples for:

FBC, G&S, clotting screen and fibrinogen (Near patient testing – ABG/capillary gas, ROTEM)

- Administer 1 gram (iv) **TRANEXAMIC ACID** (excluding gastrointestinal bleeds) over 10 minutes, if not already given within the 3 hrs. of bleeding

Consider the collection time and distance from the laboratory if unable to wait for **RBC** from the lab,

COLLECT FLYING SQUAD from SATELLITE FRIDGES

(2 x O Negative RBC available)

IF BLEEDING CONTINUES: Request PACK B

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

- **Send porter to lab to collect PACK B:**
6 RBC + 4 FFP + 2 CRYO + 1 PLT
(FFP & CRYO take 20-30mins to thaw)
- Move to Group Specific RBC as soon as possible
- Continue requesting **PACK B** until bleeding stops

BLEEDING PERSISTS:

- Contact Haematology SpR: WXH **2075**, NUH **4130**

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

ONCE BLEEDING CONTROLLED

Repeat: **FBC & CLOTTING**

IF	GIVE
PLT <100 x 10 ⁹ /L	PLT x 1
Fibrinogen <1.5g/L	CRYO x 2
PT / APTT ratio >1.5	FFP
CA ²⁺ <1mmol/L	Ca

STEP DOWN MAJOR HAEMORRHAGE

Contact Numbers NUH (GENERAL ADULT)

Department / Key staff	Contact Number	Location
A&E Resus		Main Hospital
Blood Transfusion Laboratory	3280 8123	Zone 3, Ground Floor, Pathology Department
Haematology Registrar (DECT)	45856	RLH
Haemostasis Registrar (DECT)	46313	RLH Main Hospital

Location of Blood Fridges (NUH)

Number	Floor	Location	Building
1	Ground Floor	Accident & Emergency Department	Main Hospital
2	1st Floor	Theatres (Zone 8)	Main Hospital
3	4th Floor	Theatres Gateway	Gateway Surgical Centre
4	Ground Floor	Blood Transfusion Laboratory	Main Hospital

Location of Haemostatic Agents at NUH

Agent	NUH
Octaplex	Transfusion lab
Recombinant Factor VIIa Novoseven	Intensive care unit fridge
Fibrinogen concentrate	Not currently available on site**

**If fibrinogen concentrate required urgently at NUH, please discuss with the Haematology SpR (bleep 1243 in hours or via switchboard out of hours) who can arrange transfer from RLH.

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

Contact Numbers WXH (GENERAL ADULT)

Department / Key staff	Contact Number	Location
A&E Resus		Main Hospital
Blood Transfusion Laboratory	5035 2168	Junction 2, 2nd Floor, Pathology Department
Haematology Registrar Bleep	2075 / 2076 / 2352	Main Hospital
Haemostasis Registrar (DECT)	46313	

Location of Blood Fridges (WXH)

Number	Floor	Location	Building
1	Ground Floor	Accident & Emergency Dept.	Main Hospital
2	Ground Floor	Theatres	Main Hospital
3	Ground Floor	Plane Tree Theatres	Outpatient Building
4	Ground Floor	Acorn Ward	Main Hospital
5	Ground Floor	Woodlands Day Unit	Woodland
6	Ground Floor	Maternity Department	Maternity Unit
7	2nd Floor	Blood Transfusion Laboratory	Main Hospital

Location of Haemostatic Agents at WXH

Agent	WXH
Octaplex	Transfusion lab
Recombinant Factor VIIa Novoseven	Intensive care unit fridge
Fibrinogen concentrate	Not currently available on site**

**If fibrinogen concentrate required urgently at WXH, please discuss with the Haematology SpR (bleep 1243 in hours or via switchboard out of hours) who can arrange transfer from RLH.

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