Witness Name: Pippa Nightingale
Statement No.: WITN4572007
Exhibits: WITN4572008
WITN4572009
WITN4572010
WITN4572011
WITN4572012
WITN4572013

EXHIBIT WITN4572011





ADULT MAJOR HAEMORRHAGE PROTOCOL

- Major bleed (Estimated Blood Loss >1000mls in gynaecology)
- Heart rate > 110 and/or BP < 90 systolic

Notify senior doctor in area & Call 2222

- State either 'major MEDICAL haemorrhage' or 'major SURGICAL haemorrhage' or 'major GYNAECOLOGY haemorrhage'
- State the ward/location of the patient
- Senior doctor to assign team member to liaise with blood bank biomedical scientist
- Gynaecology registrar to ensure their consultant is informed

ORDER BLOOD PRODUCTS Send blood samples prior to administration of O RhD Negative Blood Products:

- FBC (purple top), clotting (blue top), x 2 hand written labelled crossmatch (pink top)
- Blood bank will contact team state, 'activate major haemorrhage protocol'. State how quickly blood is required
- Assign porter to collect blood products
- ❖ Prepare blood warmer device or pressure bags; with high flow infusion circuits if available

GIVE BLOOD PRODUCTS Non-traumatic haemorrhage:

- Packed Red Cell: FFP at 2:1 ratio
- Consider 1g Tranexamic acid IV bolus over 10 min (give in 'major GYNAECOLOGY haemorrhage' if no contraindications)
- Traumatic haemorrhage under 3 hours from injury:
 - Tranexamic acid 1g IV bolus over 10 min followed by 1g IV infusion over 8 hours
 - Give FFP: Packed red cells at 1:1 ratio, consider dose of platelets
- **❖** Packed red cells provided by Blood Bank:
 - O RhD negative blood authorised immediately
 - Group specific or cross matched- 45 minutes from receipt of sample (optimal)

- Send repeat FBC and clotting samples every 30-60 minutes
- Monitor for hypothermia, acidosis, hypocalcaemia
- Ensure thrombo-prophylaxis started after bleeding ceases

Major Haemorrhage Team

Senior ED doctor & Nurse (ED Only)

Porter

Hospital Blood Bank

ITU Registrar

Medical or Surgical or Gynaecology Registrar

Ongoing Bleeding

Until lab results are available

- Give FFP and red cells in ratio 1:1
- •Consider dose of cryoprecipitate (2 adult pools)

After lab results received

GIVE..... IF..... Packed Red Cells Falling Hb APPT &/or PT ratio >1.5 FFP 15-20 ml/Kg Fibrinogen < 1.5g/L Cryoprecipitate 2 pools Platelets <50 x10⁹ /L Platelets 1 adult dose

REPEAT

Updated by: JB, SP, BS 6/2017 & DOY 05/2019 & JG 28/11/19 Reference: Hunt B et al.: A practical guideline for the haematological management of major haemorrhage. British Journal of Haematology 170 (6):788-803 (2015)