

Managing a Hemorrhaging Patient Protocol North Zone Rural Sites

Effective Date: 31 July 2018

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Appropriate Initial Interventions

- √ Intravenous access: 2 large bore IVs ± CVC
- √ Crystalloid: as per attending physician
- √ Continuous Monitoring
- √ Keep patient warm/aggressive rewarming
- √ Prevent/reverse acidosis
- √ Correct hypocalcemia:
 - √ **Ca gluconate 3 gm IV slowly**
- √ Tertiary Trauma Survey

Other considerations

- √ Heparin reversal
 - Protamine 1 mg IV / 100U of heparin**
- √ Warfarin reversal
 - Vitamin K 10 mg IV**
 - Prothrombin Complex (Beriplex or Octaplex) as per TM protocol dosing for INR and weight**
- √ Consider antifibrinolytics
 - Tranexamic Acid 10-15 mg/kg bolus, followed by 1-5 mg/kg/h infusion**
- √ Consider fibrinogen replacement (for post-partum hemorrhage if moderate to severe bleeding continues or fibrinogen levels fall).
 - Riastap (Fibrinogen concentrate) 4 g OR Cryoprecipitate 8-10 units**

Draw bloodwork prior to transfusion (if possible):

- Crossmatch, CBC, electrolytes, lactate, creatinine, ABGs
- Where available: Mg, INR, PTT, Ca

Transfuse with unmatched RBCs on hand as necessary

- No defined threshold, up to MD discretion

For issue when no lab staff is available:

- Complete a Blood Bank Pick Up Slip
- Obtain unit from Blood Bank Fridge
- Complete Manual Issue Card for Off Hours Issuing
 - Required fields: Patient demographics, Blood component/product being taken (with unit number), visual inspection, two signatures (at least one by health care professional), date and time of issue
- **Bring Physician Authorization form and have signed by physician**

Contact RAAPID North

(1-800-282-9911) to:

- Facilitate critical and/or urgent consultations with a tertiary or regional care facility specialists
- Coordinate transport to larger centre

You may hear from a North Zone Consulting Pathologist who can:

- Advise re: safety of available products
- Suggest alternative products/interventions
- Discuss need for referral to larger centre based on available resources on site.
- Coordinate blood products being brought in from a nearby site (if necessary)

***** If you need to speak to the pathologist, contact numbers are available in the lab *****

***** Item in red can be done at a later time if clinical situation precludes waiting**

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(Authorized individuals are: lab personnel designated in their zone/program or provincial role to produce print copies)