RAPID REVIEW MASSIVE HEMORRHAGE PROTOCOL GUIDELINE

WHERE DO PATIENTS BLEED

On the floor and 4 places more:

- External bleeding
- Chest
- Abdomen
- Pelvis
- Long Bones



Revised Assessment of Bleeding + Transfusion (RABT) score:

- Penetrating injury (I point)
- Positive FAST (I point)
- Shock index (HR/SBP) > 1.0 (I point)
- Pelvic fracture (I point)

Score ≥2 predicts need for massive transfusion



THINK 3-ABC

If you have given 3 units of pRBCs, and your patient is still unstable needing blood A: Activate MHP

B: Balance your products (aim for I:I:I or 2:I:I)

C: Consider calcium and concentrates (ie, fibrinogen)

Petrosoniak, A., Swaminathan, A. Massive Hemorrhage Protocol. Emergency Medicine Reviews and Perspectives. Nov 2022. https://www.emrap.org/episode/emrap202214/massive

WHAT IS BALANCED RESUSCITATION

I:I:I or 2:I:I units (pRBC: Plasma: Platelet)



WHAT OTHER TREATMENTS HELP

- TXA: (injury <3 hours ago) 1000 mg/dose IV followed by IV infusion of 125 mg/hour for 8 hrs
- Calcium: calcium chloride Ig IV OR calcium gluconate 3 g IV for every 4 units of RBCs transfused OR if ionized calcium is <1.14 mmol/L
- Fibrinogen Concentrate: If fibrinogen is <1.5g/L then give fibrinogen concentrate 1-4g IV

