Whole Blood Administration

GOALS

REATMENT

- Initiate early resuscitation with whole blood to provide rapid correction of anemia, coagulopathy, acidosis, and hypothermia
- Use warmed whole blood to replace the loss of the oxygen carrying capabilities due to hemorrhage and treat all three parts of the Lethal Triad of Trauma: Coagulopathy, Acidosis, Hypothermia
- Provide direct replacement of all blood components at once with administration of whole blood,
 minimizing complications and complexity of component therapy
- Keep trauma patients covered, well oxygenated, and stop active hemorrhage
- Any trauma patient with concern for hemorrhage and a systolic blood pressure ≤ 70 mmHg may receive
 Whole Blood administration
- Patients still showing signs of shock after the administration of 1 unit of Whole Blood may receive 1
 additional unit of Whole Blood if available, with Medical Control Order only
- Large bore IV/IO 20g or higher is required for blood transfusion
- Do not give medications through the whole blood IV/IO set
- Utilize alternate access for medication administration via IV/IO while blood products are being administered
- Clinical criteria for whole blood may include anticoagulant medications (not anti-platelet):
 - o Anticoagulants include: Heparin, Lovenox, Coumadin, Eliquis, Xarelto, Paradaxa, etc.
 - o Antiplatelets include: Aspirin, Plavix, Effient, Aggrenox, Ticlid, etc.

SPECIAL CONSIDERATIONS

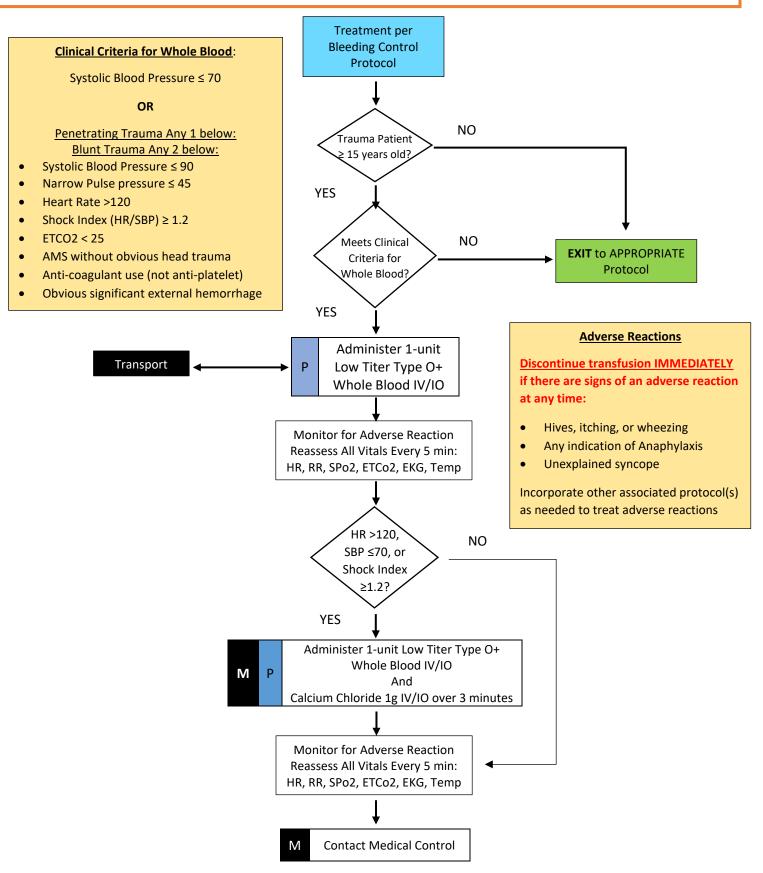
- Individual and/or agency use requires OMD approval and successful completion of a TEMS OMD committee approved course
- Transport should not be delayed for the administration of Whole Blood
- Transport to the closest appropriate facility based on trauma center criteria and TEMS trauma triage plan
- Stop the transfusion immediately if a patient shows signs of an adverse reaction at any point, monitor the patient closely, and incorporate other appropriate protocol(s) as needed
- If whole blood is immediately available, consider attempting resuscitation and incorporating this protocol on patients experiencing cardiac arrest from penetrating trauma with minimal downtime, pseudo PEA, etc.

EDIATRIC

Not indicated for patients under 15 years old



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