Prehospital Blood Transfusion

EMS Medical Director:
Signature on File
EMS Administrator:
Signature on File

Hemorrhagic Shock due to Severe Traumatic Injury

E
- Control External Bleeding
- Apply tourniquet / Direct Pressure

Prioritize Transport

Does the patient meet criteria for prehospital blood?

Yes

P
- Rapidly transfuse one unit of LTO+WB
- Administer TXA 2 g IV/IO by slow IV push

P
- Continuous monitoring of HR, SpO2, EtCO2 and transfusion reactions
- Document BP q5 minutes
- Obtain pre-transfusion temperature

No

P
- Manage patient per Trauma and Hemorrhage policies

Exit to Trauma *if indicated*

Exit to Hemorrhage *if indicated*

P
- Continuous monitoring of HR, SpO2, EtCO2 and transfusion reactions
- Document BP q5 minutes

Prehospital Blood Transfusion Criteria

SBP < 70 mmHg or unable to obtain
OR
SBP < 90 AND HR ≥ 110 (SI >1.2)
OR
Traumatic arrest witnessed by EMS

Exclusion Criteria

Pediatric patient (≤14 years or on length-based tape)
Traumatic arrest not witnessed by EMS
Isolated head injury and/or ground level fall

CONTACT BASE for **Base Physician** consultation if you believe prehospital blood transfusion is indicated and criteria are not met, or for additional dosing.

P
- If patient meets above criteria after initial transfusion:
- Transfuse one more unit of LTO + WB
- Consider other causes for shock
- **Contact Base Hospital for additional blood orders**

Pilot Treatment Protocol

Document: XXXX.01
Initial: mm/dd/yy
Approved: mm/dd/yy
Effective: mm/dd/yy
Next Review: mm/dd/yy