

PR30: Out-of-Hospital Blood Administration

Applicable To

- CCP only

Indications

- Traumatic injury and:
 - Early Blood Transfusion Needs (EBTN) score of ≥ 5 ; **or**
 - Active hemorrhage **and** hemoglobin < 70 g/L.
 - Hemoglobin < 90 g/L in patients with symptoms of active acute coronary syndrome.
- Patient age ≥ 12 .

Contraindications

- Refusal of blood product administration.
- Isolated penetrating head injury.

Procedure

1. Complete pre-transfusion bloodwork (group and screen, epoc® BGEM Test Card).
 - If clinically appropriate
2. Consider tranexamic acid.
3. Correct hypothermia.
 - Prevent further heat loss by using warmed IV fluids, chemical blanket, etc.
4. **Consult with EPOS.**
 - If EPOS is unavailable, consider contacting the receiving hospital directly.
 - Blood is not to be transfused without physician consultation.
5. Administer 1-4 units PRBCs to clinical response.
6. Declare **TRANSFUSION** to the receiving emergency department.

Notes

Early Blood Transfusion Needs (EBTN) Score

Risk Factors	Score
Age (years)	
0-55	0
56-70	1
> 70	2
Type of Injury	
Penetrating	2
Non-penetrating	0
Pulse (beats/minute)	
< 60	-4

60 - 119	0
> 120	3
Systolic BP (mmHg)	
< 90	7
> 90	0
Glasgow Coma Scale	
3 - 8	3
9 - 13	1
14 - 15	0

