

TRAINING UPDATE

Lab Location: FWMC, SGMC, WOMC **Date Implemented:** 10/30/24
Department: Blood Bank **Due Date:** 11/6/24

DESCRIPTION OF PROCEDURE REVISION

Name of procedure:

Pre-Hospital Transfusion by EMS

Description of change(s):

EMS will now transfuse **O-positive whole blood** to patients enroute to the hospital when the patient has a clinical suspicion of major blood loss WITH evidence of significant physiologic compromise.

It is important for blood bank staff to know the patient got whole blood. It is also important for us to get the blood bank and segments in case the patient has an adverse reaction.

Effective November 6, 2024,

1. Cerner will print a notification to blood bank when whole blood was transfused by EMS.
2. The system will order the test EMSTF (EMS Transfusion).
3. Blood bank staff will obtain the empty blood bag from transfusion and enter the unit number into Sunquest.
4. The empty blood bank will be stored in the refrigerator with the segments for 3 months.

Non-Technical SOP

Title	Pre-Hospital Transfusion by EMS	
Prepared by	Stephanie Codina	Date: 10/21/24
Owner	Stephanie Codina	Date: 10/21/24

Laboratory Approval		
Print Name and Title	Signature	Date
<i>Refer to the electronic signature page for approval and approval dates.</i>		
Local Issue Date:		Local Effective Date:

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1. PURPOSE

To define the process that blood bank staff will follow when we are notified that a patient has been transfused prior to admission to the hospital.

2. SCOPE

EMS will transfuse low-titer O-positive whole blood during transport to the hospital for patients with clinical suspicion for major blood loss WITH evidence of significant physiologic compromise. Blood bank staff will attempt to collect the empty blood bag and segments to aid in the workup of any adverse events that may occur as a result of the transfusion.

3. RESPONSIBILITY

All blood bank staff members must understand and adhere to this procedure when notified that a patient was transfused by EMS prior to arrival at the hospital.

4. DEFINITIONS

EMS (Emergency Medical Services)—Emergency services that provide urgent pre-hospital treatment and stabilization for serious illness and injuries and transport to hospital care.

5. PROCEDURE

Step	Action
1	<p>EMS will administer low-titer O-positive whole blood to patients being transported to a hospital if they have clinical suspicion for major blood loss WITH evidence of significant physiologic compromise.</p> <p>EMS will inform the ED team that the patient has received whole blood and provide the empty whole blood bag.</p>
2	<p>Cerner will automatically print a notification to blood bank staff when pre-hospital transfusion of whole blood is documented in Cerner. In addition, the EMS Transfusion (EMSTF) test will be ordered.</p>
3	<p>Blood bank staff will receive and result the test order.</p> <ul style="list-style-type: none"> A. Unit Number = the unit number of the unit that was transfused to the patient. B. Unit Received <ul style="list-style-type: none"> a. Enter Y if the blood product has been received in blood bank. b. Enter N if the blood product was not received in blood bank.
4	<p>If the unit is returned,</p> <ul style="list-style-type: none"> A. Place the blood bag and integrally attached segments in a plastic ziplock (issue) bag. B. Place the lab label for the EMSTF test containing the patient's name and MRN on the front of the bag. C. Place the sealed bag in the refrigerator with the segments for the current month. D. The unit will be stored for 90 days and then discarded. This will allow blood bank staff to access the unit segments if the patient has an adverse event related to the transfusion.

6. RELATED DOCUMENTS

NA

7. REFERENCES

None

8. REVISION HISTORY

Version	Date	Reason for Revision	Revised By	Approved By

9. ADDENDA AND APPENDICES

NA