

LAC+USC MEDICAL CENTER

ATTENDING STAFF GUIDELINES

Page 1	Of 4
Policy # ASA 103	
Effective Date: 5/4/2022	

Subject: BLOOD AND BLOOD PRODUCTS TRANSFUSION GUIDELINES		Original Issue Date: 5/1/2002 Supersedes: 6/1/2011
Reviewed and Approved Blood Utilization Committee Medical Administration	Reviewed & Approved by: Attending Staff Association Executive Committee	Approved by: (signature on file) President, Attending Staff Association

PURPOSE

To ensure that patients receive safe, appropriate, and effective transfusion therapy at the LAC+USC Medical Center.

POLICY

Physicians shall comply with mandated regulations including the Paul Gann Blood Safety Act and shall obtain an informed consent (Medical Center Policy # 237) or a Refusal for Blood Transfusion/Special Instructions for Blood Transfusion (Medical Center Policy #237-A) for transfusion whenever appropriate. This obligation applies to all non-emergency medical and surgical procedures. Physicians shall follow Medical Center requirements for ordering and administration of blood products.

PROCEDURE

Ordering Transfusion of Blood Products

1. Ensure that the patient has been informed regarding the benefits, risks, and alternative therapies of receiving blood and blood products and that patients are given a copy of the State DHS pamphlet, *A Patient's Guide to Blood Transfusion* in advance as required (see above). Physicians must complete this step before obtaining patient's consent, refusal, or special instructions to transfusion therapy. Information regarding autologous and directed blood donations can be obtained by contacting the LAC+USC Medical Center Blood Bank at (323) 409-7134 or by picking up referral packet at the Blood Bank (D&T 2D422).
2. Obtain signed transfusion consent and file the consent form in the patient's medical record. It is recommended that the physician document in the hospital medical record that a discussion was held with the patient and that informed consent or refusal for transfusion was obtained.
3. Verify that the patient will accept the transfusion. A patient refusing blood transfusions shall authenticate by signature his or her refusal. Refer to Medical Center Policy #236, Blood and Blood Component Refusal.
4. If the patient has the transfusion requirement "JW/Blood Refusal" on their "Blood Bank Summary" page and they decide to receive transfusion, please provide a signed consent or special instruction documentation to the blood bank as soon as possible.
5. Write the justification for ordering transfusion in the medical record and complete the LADHS Blood Transfusion Consent Emergency Exception in IMedConsent.

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Justification for requesting uncrossmatched red blood cells must be recorded in the medical record.

6. Ordering blood products is performed by using the Blood Product Transfusion >30Kg or <30Kg power plans in Orchid with all requested information.
7. In the case of Orchid downtime, please request and complete a Transfusion Order Form (T-LAC-101197) with all requested information. This form can be used for two separate blood issues. For blood/blood product (except when the patient is in the OR).

Blood Transfusion Related Error

If a blood product has been dispensed and an error in product ordering, product issuance, patient identification, or product administration is detected, discontinue the transfusion immediately, if it has begun, and contact the responsible house staff, attending and the blood bank immediately. Refer to section regarding Adverse Reactions below. Return product bag and the accompanying paper immediately to the blood bank.

Pre-transfusion Identification Checks

When licensed personnel perform pre-transfusion identification checks, they shall:

1. Match the blood product received from the blood bank with physician's order.
2. Ensure that 2 licensed personnel (RN, LVN, MD, DO, PA) identify the patient in the presence of the blood product.
3. Ensure that patient is wearing an identiband.
4. Ask patient to state name (if possible) and match it with identiband, component bag, and Blood Product Record.
5. Ensure all of the following contain the same information:
 - Blood Product Record (Form #485A)
 - Blood component bag
 - Patient's identiband (identiplate in the OR)
6. Sign, date, and chart the Blood Bank Product Record in patient's medical record, include Staff ID number.

Unused Blood Product

1. If a decision is made to not transfuse the patient after blood is delivered, return unused blood to Blood Bank immediately or within 30 minutes after the time of issue for proper bookkeeping.
2. Do not store blood products in ward refrigerators.

Adverse Reactions

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If any of the following have developed which are not related to the patient's underlying condition and could be possibly related to transfusion, stop the transfusion (when applicable), but **always** notify Blood Bank immediately.

- Death
 - Cardiac arrest
 - Respiratory distress/acute transfusion related lung injury (TRALI)
 - Shock or cardiovascular collapse
 - Anaphylactic shock
 - Hives/Pruritus
 - Hemolysis, hemoglobinemia or hemoglobinuria
 - Sepsis
 - Back/chest/flank pain
 - Fever (temperature rise greater than 1.8° F or 1°C from a normal or elevated pre-transfusion temperature), shaking, chills
 - Severe nausea
2. Complete Transfusion Reaction Investigation Request and place original in medical record.
 3. Send to Blood Bank
 - One pink top tube properly labeled with patient's name, MRUN, date and time of collection, and phlebotomist's initials or employee number.
 - A completed pink copy of the Transfusion Reaction Investigation Request form (Form #739).
 - Remaining blood/blood product bag and administration set (remove needle) and solutions transfused with blood.
 - A photocopy of the Blood Product Record (white sheet).

REPORTING OF POSSIBLE TRANSFUSION-TRANSMITTED INFECTIOUS DISEASE

If a patient transfused at the LAC+USC Medical Center develops HIV, hepatitis C, hepatitis B or other infection that is likely transfusion-transmitted, please contact the transfusion medicine medical director (or designee) at (323) 409-7134 as soon as possible in addition to contacting the Los Angeles County Public Health Service's Morbidity Central Reporting Unit by calling (888) 397-3993 (phone) or (888) 397-3778 (fax). (See ASA Rules and Regulations on Confidential Morbidity Report)

RESPONSIBILITY

Attending Staff
Housestaff
Nursing Staff
Allied Health Professionals

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REFERENCES

LAC+USC Medical Center Policy - #236, Blood and Blood Component Refusal
LAC+USC Medical Center Policy - #237, Paul Gann Blood Safety Act and Consent for Blood Transfusions

REVISIONS

May 1, 2002; May 5, 2005; December 7, 2005; June 1, 2011; May 4, 2022