



CONWAY MEDICAL CENTER

PROCEDURE

When in hard copy form, refer to Policy Manager to validate this as the most current revision.

TITLE:	LAB-SPC-BBK-07.01 Guide for Blood Product Use-PRO		
ISSUED BY:	BBK Sr Tech	REFERENCE #:	LAB-SPC-BBK-07.01-PRO
APPROVED BY:	Lab Director	EFFECTIVE DATE:	2000-10-01

SCOPE: Nursing and physician staff involved with Blood Banking.

PRINCIPLE: The following guidelines have been established for the use of blood transfusions for patients that meet the following criteria. These guidelines are intended to be used for nursing staff information only. It is the sole responsibility of a patient’s physician or his designee to determine the transfusion needs.

PROCEDURE:

I. PACKED CELLS:

- A. Anemia – Hgb < 7, in an otherwise healthy patient and a Hgb <10 and Hct of 30 with additional disease such as ASHD.
- B. Significant acute blood loss, greater than about 1000 cc.
- C. Hypovolemic shock, systolic BP less than 100 and a pulse rate of greater than 100.
- D. Orthostatic hypotension.

II. FFP (Fresh Frozen Plasma)

- A. Treatment of the Following Disorders
 - 1. Deficiencies of factors II,V,VII,X,XI, or XIII.
 - 2. Von Willebrand’s disease and deficiencies of factor VIII and IX if cryoprecipitate or appropriate factor concentrate is not available.
 - 3. D.I.C.
 - 4. Liver disease with coagulation deficiencies
 - 5. Vitamin K deficiency
 - 6. Reversal of warfarin effect
 - 7. Elevated PT or PTT greater than 1.5 times normal (greater than 18 seconds for PT and Greater than 35 seconds for PTT. Fibrinogen must be functionally normal > 100 mg/dL
 - 8. Clinical bleeding disorder or unknown etiology
 - 9. Antithrombin III deficiency
 - 10. Thrombotic thrombocytopenia purpura
- B. Transfused prophylactically for acute blood loss or with massive transfusion



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III. CRYOCIPITATE

- A. Treatment of Hemophilia A (Factor VIII deficiency)
- B. Von Willebrand's disease
- C. Hypofibrinogenemia
- D. D.I.C.

IV. PLATELETS

- A. Prophylactic with intact vascular system and normal platelet function to prevent bleeding. Platelet count less than 20,000
- B. Before major surgery or other invasive procedures when the platelet count is less than 50,000 and this is the sole coagulation abnormality.
- C. With systemic bleeding, additional coagulation defects, sepsis or platelet dysfunction related to medication or disease; platelet count < 100,000
- D. Treatment of D.I.C.
- E. Not indicated in immune or thrombotic thrombocytopenia purpura or in thrombocytopenia secondary to drug idiosyncrasy unless there is significant hemorrhage.

RECORDS: EHR

REFERENCES:

- A. A Compendium of Transfusion Practice Guidelines, ARC, 1ST Edition 2010
- B. AABB Technical Manual, 16th Edition, pgs. 207-208,593-595,579-589

REFERENCE STANDARDS: CAP GEN.40000; GEN.40016; GEN.40032; GEN.40050; GEN.40100

REVISION/REVIEW HISTORY:

Date	Affected Section(s)	Summary of Changes ('Reviewed' or details of change)
05/31/11 jo	None	Review/Revision saved electronically in lab G drive.
11/07/11 lds	Format	Format to MCN policy manager.
03/29/13wm	References	Updated the references. No content changes.
08/06/13lds	Title	Changed title for clarity on search. No content changes.
03/03/15wm	All	Reviewed no changes
03/09/17wm	All	Reviewed no changes