

ACTIVE LEARNING TEMPLATE: *Therapeutic Procedure*

STUDENT NAME _____

PROCEDURE NAME **Blood and Blood Product Transfusions**

REVIEW MODULE CHAPTER **40**

Description of Procedure

Transfusion involves whole blood and blood products such as platelets, packed RBCs, albumin, fresh frozen plasma, clotting factors and cryoprecipitate.

Indications

Excessive blood loss, anemia, thrombocytopenia, kidney failure, Hemophilia A, coagulation factors deficiencies.

Outcomes/Evaluation

For instance in anemia, an elevated Hb levels of 13.5g/dl-17.5g/dl in males would indicated effectiveness of the transfusion. The mucosal membranes should have their normal pink color rather than being pale on client's assessment.

Potential Complications

hypotension, chest tightening, tachycardia, flushing, hemoglobinuria, tachypnea, anxiety, wheezing, dyspnea, hypotension, cyanosis, shock, bronchospasm, laryngeal edema, jugular vein distention

CONSIDERATIONS

Nursing Interventions (pre, intra, post)

PREPROCEDURE-Identification and clarification of the blood product to ensure that the right client is given the right product. Initiating large-bore IV access and obtaining the blood product from the bank. Priming the blood administration set with 0.9% sodium chloride.

INTRAPROCEDURE- remaining with the client for around 20 minutes while monitoring vital signs and any allergic reactions so that he or she can notify the physician for immediate intervention.

POST-PROCEDURE- Monitoring vital signs and client's response to the procedure. Documentation of client's status.

Client Education

Explain the procedure to the client and the reason for doing it.

Nursing Interventions

Stopping the transfusion procedure, removing the blood tubing from the IV access, do not infuse other blood products into the client's circulatory system. The nurse should start 0.9% sodium chloride infusion with a new tubing. Monitoring client's fluid status and vital signs. Administration of antibiotics.

Send the blood bag and administration set to the lab for testing.