

## Curriculum Outline

Objectives	Content Outline	Learning Resources	Simulation Experiences	Clinical Experiences/Competencies
<p>Demonstrates the correct sequence and documentation of the steps in the blood component administration policy/procedure</p> <ul style="list-style-type: none"> <li>• Pre-transfusion</li> <li>• Transfusion</li> </ul> <p>Identifies five signs and symptoms of a transfusion reaction</p> <p>Identifies five blood components and lists one indication for each</p> <p>Identifies equipment needed to set up and administer blood components</p>	<p>Background/rationale - transfusion safety</p> <p>Preparation of patient/equipment</p> <p>Order/consent</p> <p>Collection of Type and Screen sample</p> <p>Requesting blood component procedure</p> <p>Checking blood component for any discrepancies</p> <p>Administering blood components</p> <ul style="list-style-type: none"> <li>• Blood donor type and compatibility</li> <li>• Solutions and tubing</li> <li>• Infusion rates: first five minutes, subsequent</li> <li>• Time out of refrigeration</li> </ul> <p>Documentation</p> <ul style="list-style-type: none"> <li>• Response</li> <li>• Intake and Output</li> <li>• Equipment discard</li> </ul> <p>Protocol for patient needing to leave the unit</p> <p>Signs and symptoms, onset and types of reactions</p> <p>Steps to be taken in the event of a suspected transfusion reaction</p> <p>Nurses role in managing and reporting a suspected transfusion reaction</p> <p>Review of blood components: red blood cells, fresh frozen plasma, cryoprecipitate, platelets and albumin and indications for each</p> <p>Warming devices</p>	<p>PowerPoint presentation</p> <p>Blood Component Administration Case Study</p> <p>Guidelines for Transfusion Reactions</p> <p>Blood Component Administration Self-Directed Learning Module</p> <p>Blood Component Administration Annual Competency Checklist</p> <p>Blood Component Administration Annual Competency Evaluation</p> <p>Facility's policies and procedures on blood component administration</p> <p>Facility's policy on patient type and screen process/system</p> <p>Facility's blood component administration consent</p> <p>Facility's transfusion reaction protocol</p>	<p>Review different setups for gravity flow versus pump infusion. Assign each participant to a small group with appropriate scenario based on their patient care location. Each group discusses scenario and reports back to whole class</p> <p>Blood Component Administration SCE™</p>	<p>Appropriately prepare patient and environment for care of patient receiving blood component(s)</p> <ul style="list-style-type: none"> <li>• Routine care</li> <li>• Emergent care</li> </ul> <p>Verbalize how to correctly perform Type and Screen per facility's protocol</p> <p>Utilize correct procedures during blood component check</p> <p>Understand rationale for administering specific blood components to patients</p> <p>Verbalize appropriate solutions compatible with blood components</p> <p>Verbalize two timeframes nursing is responsible for when administering blood components</p> <p>Verbalize at least five signs and symptoms of a transfusion reaction and appropriate nursing interventions</p> <p>Complete the facility's suspected transfusion reaction form. Follow appropriate steps in reporting a suspected transfusion reaction</p> <p>Verbalize an indication for five different blood components</p>