

**SIMULATION LEARNING GUIDE**

**Topic/Concept: Lab 1:** Med Surg Lab: CVL Dressing Change, CVL Blood Draw, Med administration via IM, SQ, IVP, and IVPB per gravity

<p><b>Needs Analysis Documentation</b></p> <ul style="list-style-type: none"> <li>The LVN transition student has been given credit for previous education. The lab provides an opportunity for the student to demonstrate safe practice and prepare for the CPE at the end of the course.</li> </ul>
<p><b>Learning Goals/Outcomes</b></p> <p>Upon completion of this simulation learning activity, you will be able to:</p> <ul style="list-style-type: none"> <li>Change a central venous access dressing (CVAD) incorporating safety concepts.</li> <li>Safely draw a blood specimen from a Central venous access device.</li> <li>Perform calculations required to safely administer intravenous medications (SQ, IM, IV push, and IVPB via gravity)</li> <li>Select correct materials needed to administer medications via IV, IM, SQ, &amp; IVPB.</li> <li>Demonstrate safe medication administration via IM, SQ, IVP, and IVPB.</li> </ul>
<p><b>Scenario(s) Used</b></p> <ul style="list-style-type: none"> <li>Perform a CVAD dressing change and blood draw.</li> <li>Perform an IM injection and a SQ injection.</li> <li>Perform IVPB administration via gravity and IVP medication administration.</li> </ul>
<p><b>Schedule of Activities</b></p> <ul style="list-style-type: none"> <li>Rotate students through the above 50 minute each skill/scenario stations.</li> </ul>
<p><b>Pre-Simulation Learning Activity Preparation (Pre-Briefing)</b></p> <p>On-Line/ Out of Class</p> <ul style="list-style-type: none"> <li>HESI Skills &gt; Essentials Collection &gt; Drawing Blood and Administering Fluid. Focus on the information related to collecting a blood specimen from a central vascular device</li> <li>HESI Skills &gt; Critical Care Collection &gt; Intravenous Therapy: Dose and Flow Rate Calculation</li> <li>HESI Skills &gt; Essentials Collection &gt; Administering IV Medications by Piggyback</li> </ul> <p>Read: CSON Professional Nursing Skills Critical Elements and Nursing Intervention Instructions (NIIs) Located on LMS Home Page</p> <ul style="list-style-type: none"> <li>IVPB Medication Administration via gravity</li> <li>Central Venous Access Device Dressing Change</li> <li>Blood draw from a Subclavian....</li> <li>IV Push Medication Administration</li> <li>Subcutaneous (SubQ) Insulin Medication Administration</li> <li>Intramuscular Medication (IM) Administration in the Adult</li> </ul> <p>Watch CSON videos located in LMS&gt;Lessons&gt;CSON Videos:</p> <ul style="list-style-type: none"> <li>Central Line Dressing change (26) Minutes</li> <li>CSON CVAD Blood Draw (18) Minutes</li> <li>CSON IM injection (44) Minutes</li> <li>CSON Sub Q Injections (22) Minutes</li> </ul>

<p>Watch videos:</p> <ul style="list-style-type: none"> <li>• Central Line - <a href="https://www.bardaccess.com/products/procedural/allpoints-dressing-change-kits">https://www.bardaccess.com/products/procedural/allpoints-dressing-change-kits</a></li> <li>• Safe injection practices - <a href="https://www.youtube.com/watch?v=6D0stMoz80k">https://www.youtube.com/watch?v=6D0stMoz80k</a></li> <li>• Check your steps! Make every injection safe - <a href="https://www.youtube.com/watch?v=uibofZZVcLI">https://www.youtube.com/watch?v=uibofZZVcLI</a></li> </ul> <p>Simulation Center Activities</p> <ul style="list-style-type: none"> <li>• Simulation stations</li> </ul>
<b>Simulation Learning Activities</b>
<p>Simulation Activities:</p> <ul style="list-style-type: none"> <li>• Calculate and administer IM, SQ, IV medications.</li> <li>• Perform administration of medications via IVP, IM, SQ and IVPB.</li> <li>• Change CVAD dressing on simulated site. Collect a blood sample from a simulated central line.</li> </ul> <p>Click here to enter text.</p>
<b>Evaluation Methods (Debriefing)</b>
<ul style="list-style-type: none"> <li>• Observation by faculty in simulation</li> <li>• Post simulation lab Red Cap Questionnaire</li> <li>• CPE</li> </ul>
<b>Other Appropriate Documentation</b>
<ul style="list-style-type: none"> <li>• Click here to enter text.</li> </ul>

<b><i>Texas DECs</i></b>	<b><i>QSEN Competencies</i></b>
<ul style="list-style-type: none"> <li>• Clinical Judgment</li> <li>• Knowledge</li> <li>• Patient Safety Advocate</li> </ul>	<ul style="list-style-type: none"> <li>• Safety</li> <li>• Evidence Based Practice</li> <li>• Teamwork and collaboration</li> <li>• Patient Centered Care</li> </ul>
<b><i>IM Student Learning Outcomes</i></b>	<b><i>NCLEX Test Plan</i></b>
<ul style="list-style-type: none"> <li>• Assessment and Intervention</li> <li>• Critical Thinking</li> <li>• Knowledge Integration</li> <li>• Communication</li> <li>• Human Caring and Relationships</li> <li>• Manage and Prioritize Resources</li> <li>• Teaching</li> <li>• Leadership</li> </ul>	<ul style="list-style-type: none"> <li>• Safe and Effective Care Environment</li> <li>• Health Promotion and Maintenance</li> <li>• Physiological Integrity</li> <li>• Pharmacological and Parenteral Therapy</li> </ul>
<b><i>Concepts</i></b>	
<ul style="list-style-type: none"> <li>• Clinical Judgement</li> <li>• Evidence Based Practice</li> <li>• Safety</li> <li>• Communication</li> </ul>	<p>E. McWilliams MSN RN D.Kilpatrick MSN RN CNE CCRN-K</p>
<b><i>Date originated: 8/17/2021</i></b>	<b><i>Revision Dates:</i></b>

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*LVN Transition Module Learning Guide*

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*CSON SIMULATION Learning Guide (adopted by Faculty vote) – REV*