

**Covenant School of Nursing LVN-RN
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, IVPB per pump, IV start and blood draw

Needs Analysis Documentation
The LVN transition student has been given credit for previous education. The lab provides an opportunity for the student to develop and demonstrate safe practice.
Learning Goals/Outcomes
Upon completion of this simulation learning activity, you will be able to: <ul style="list-style-type: none">• Complete a central venous access dressing (CVAD) incorporating safety concepts.• Demonstrate safely the drawing of a blood specimen from a Central venous access device.• Calculate the correct dose to administer a prescribed intravenous medication.• Demonstrate proper location for deltoid, ventrogluteal injections, and use of Z track.• Choose correct materials and demonstrate safe administration of medications via IV, IM, IVP, SQ, & IVPB.
Scenario(s) Used
<ul style="list-style-type: none">• Perform a CVAD dressing change and blood draw.• Perform an IM, IVP, and SQ injection, IV start and blood draw.• Perform IVPB administration via gravity and via pump and IVP medication administration.
Schedule of Activities
<ul style="list-style-type: none">• Students rotate through 3 skills/scenario stations. (Note on the Course calendar there are 2 identical lab days with half of the class attending one or the other)• Each station is allotted 60 minutes.• After lunch, students will be evaluated on their aseptic technique while changing a CVL dressing. Students will work in pairs. One student will perform the CVL dressing change and the other will observe using a skills check off sheet along with an instructor. Then student roles will switch. Each student will be given 20 minutes to perform the dressing change.
Pre-Simulation Learning Activity Preparation (Pre-Briefing)
Pre-Brief will include: *Welcome- This learning experience is set up in a safe, non-threatening environment where everyone involved has the same purpose; to learn and improve. You will have 20 minutes to complete the skill. Please simulate washing your hands so you do not have to wait on the hand sanitizer to dry but please apply nonsterile and sterile gloves when needed. You may notice instructors making notes so they can remember things they may want to discuss with you after. *Confidentiality- You signed the Student Commitment to Conduct during non-graded and graded CPE at the beginning of the course. Remember to respect the confidentiality of your fellow learners and not share any information outside of the simulation session. *Fiction Contract- We have done everything we can to make this as real as possible, but in the end, it is a simulated experience; we must depend on you. Please do your best to treat this as a live scenario with a live patient. On-Line/ Out of Class ➤ To prepare for this lab review the following as needed and bring completed quiz to

lab. Also listed on the HESI and other Outside Sheet.

- HESI Skills > Critical Care Collection > Intravenous Therapy: Dose and Flow Rate Calculation

Read: CSON Professional Nursing Skills Critical Elements and Nursing Intervention Instructions (NIIs) Located on LMS Home Page right lower corner

- IVPB Medication Administration via gravity
- IVPB Medication Administration via Infusion Pump
- Central Venous Access Device Dressing Change (*You will be evaluated on CVL dressing change the afternoon of your assigned lab.*)
- Blood draw from a Subclavian....
- Blood draw from peripheral vein
- IV Push Medication Administration
- Subcutaneous (SubQ) Insulin Medication Administration
- Intramuscular Medication (IM) Administration in the Adult
- Intravenous (IV) Catheter Insertion

Watch videos: Located in LMS>Lessons>CSON Videos

- CSON Sterile gloving – 7 min
- CSON Central Line dressing change – 26 min
- CSON CVAD Blood draw – 19 min
- CSON IM injection - 45 min
- CSON SQ injection – 23 min
- CSON IV start - 32 min
- CSON Peripheral Blood Draw – 19 min
- BD Insyte IV Catheter insertion <https://www.youtube.com/watch?v=gCabB1lo2yg> (3 min)
- IV Pump - <https://www.youtube.com/watch?v=T6nRKCL6C1c> (Good info r/t basic pump use) (7 min)
 - Click here to enter text.

Simulation Learning Activities

Simulation Activities:

- Calculate doses for IM, SQ, IV, and IVPB medications.
- Perform administration of medications via IVP, IM, SQ on sim pad and IVPB using pump.
- CVAD dressing on simulated site. Collect a blood sample from a simulated central line.
- Afternoon: All students will be evaluated conducting a CVL dressing change.
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Evaluation Methods (Debriefing)

- Debriefing post each station
- Observation by faculty
- Post simulation lab Red Cap Tool
- Remediation as needed

Other Appropriate Documentation

- Completed prelab quiz

Texas DECS

QSEN Competencies

<ul style="list-style-type: none"> • Clinical Judgment • Knowledge • Patient Safety Advocate 	<ul style="list-style-type: none"> • Safety • Evidence Based Practice • Teamwork and collaboration • Patient Centered Care
<i>IM Student Learning Outcomes</i>	<i>NCLEX Test Plan</i>
<ul style="list-style-type: none"> • Safety/Quality • Clinical Judgement • Patient Centered Care • Professionalism • Communication/Collaboration 	<ul style="list-style-type: none"> • Safe and Effective Care • Health Promotion & Maintenance • Physiological Integrity • Pharmacological & Parenteral Therapy
<i>Date originated: 2/17/2021</i> Content Expert: Ester McWilliams MSN RN, Dondi Kilpatrick MSN RN CNE Simulation Expert: Randall Stennett RN DNP	<i>Revision Dates: 11/1/2022, 10/31/2023, 8/28/2024</i>

LVN Transition Module Learning Guide

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