

**Covenant School of Nursing Instructional LVN-RN  
SIMULATION LEARNING GUIDE**

**Topic/Concept: Pedi Growth & Development, Assessment, Med Admin**

<b>Needs Analysis Documentation</b>
<ul style="list-style-type: none"><li>The LVN RN student is building on current knowledge to apply care to the pediatric population. This lab allows the student to apply pediatric growth and development concepts, medication safety, and assessment concepts into the care of a simulated patient. It allows the student to demonstrate medication safety for the peds population.</li></ul>
<b>Learning Goals/Outcomes</b>
Upon completion of this simulation learning activity, you will be able to: <ul style="list-style-type: none"><li>Choose and use the appropriate pediatric pain scale</li><li>Calculate pediatric medication dosages including concentration, dilution, and rate of administration.</li><li>Review and administer IVP and IVPB medications in the pediatric patient.</li><li>Interpret pediatric vital signs, intake and output, fluid maintenance.</li><li>Compare developmental principles when interacting with an infant, toddler, school age child.</li><li>Recognize abnormal findings in patients with trach, CT, peripheral IV, foley, etc.</li></ul>
<b>Scenario(s) Used</b>
<ul style="list-style-type: none"><li>Sammie Mills – 3-year-old post op, dehydrated patient</li><li>Janie June – 9-month-old post op patient</li><li>Jimmie John – 9-year-old with trach, CT, IV, G button, foley, etc.</li></ul>
<b>Schedule of Activities</b>
<ul style="list-style-type: none"><li>Students will work through each of the simulated patient scenarios in groups. Sammie Mills runs for 120 minutes while Janie and Jimmie run 60 minutes each. All students will participate in each of the simulations.</li><li>Half of the class will attend in the AM and the other half will attend in the PM. See lab schedule.</li></ul>
<b>Pre-Simulation Learning Activity Preparation (Pre-Briefing)</b>
Pre-Brief will include: *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. *Review of Learning Objectives *Orientation to Spaces/Equipment/Safety- Orientation to the room(s) to be used, equipment in those rooms, reminder of emergency exits/processes, & review of psychological safety process. Logistics- Badging In/Out, restroom location, & food & drink <a href="#">Click here to enter text.</a>  Online/ Out of Class <ul style="list-style-type: none"><li>Student should review lecture material as needed related to infant, toddler, and school age growth and development, medication administration, maintenance fluid, and pediatric assessment</li></ul>

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<b>Simulation Learning Activities</b>
Simulation Activities: <ul style="list-style-type: none"> <li>• Students will work through each case study/sim as a group with each student expected/encouraged to discuss the sim as it progresses</li> </ul> Click here to enter text.
<b>Evaluation Methods (Debriefing)</b>
<ul style="list-style-type: none"> <li>• Redcap survey</li> <li>• Instructor observation of student during simulation</li> <li>• Pedi Theory Exam</li> </ul>
<b>Other Appropriate Documentation</b>
<ul style="list-style-type: none"> <li>• Sammie Mills IVP/IVPB Paperwork</li> <li>• Janie June paperwork</li> <li>• Jimmie John paperwork</li> </ul> (All to be completed during the simulations)

<b>Texas DECs</b>	<b>QSEN Competencies</b>
<ul style="list-style-type: none"> <li>• Knowledge</li> <li>• Clinical Judgement</li> <li>• Patient Safety Advocate</li> </ul>	<ul style="list-style-type: none"> <li>• Patient Centered Care</li> <li>• Evidenced Based Practice</li> <li>• Safety</li> <li>• Teamwork and Collaboration</li> </ul>
IM Student Learning Outcomes	NCLEX Test Plan
<ul style="list-style-type: none"> <li>• Safety/Quality</li> <li>• Clinical Judgement</li> <li>• Patient Centered Care</li> <li>• Professionalism</li> <li>• Communication/Collaboration</li> </ul>	<ul style="list-style-type: none"> <li>• Safe and Effective Care</li> <li>• Health Promotion &amp; Maintenance</li> <li>• Physiological Integrity</li> <li>• Pharmacological &amp; Parenteral Therapy</li> </ul>
<b>Date originated: 11/1/2022</b> <b>Content Expert:</b> Dondi Kilpatrick MSN, RN, CNE Ester McWilliams RN <b>Simulation Expert:</b> Randall Stennett RN DNP	<b>Revision Dates:</b> 3.23.23, 3/5/2024, 8/20/2024

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