

Bringing the Simulation Lab to the Classroom

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OBJECTIVES

- The learner will discuss the steps to create a “Safety Scenario” in the classroom with the use of technology.
- The learner will identify 10 safety errors in the Pediatric Safety Scenario.
- The learner will discuss future simulation experiences that could be incorporated in the classroom environment.

BACKGROUND

Based on

- A safety near miss in the hospital with a nursing student

A Pediatric Safety Scenario was created



Clinical Simulation

Evidence-based teaching strategy

Millennial Students – how can faculty keep them engaged?

Problem identified – How do we improve the Pediatric Scenario to incorporate a debriefing session and use of technology?



Safe Medication Practice

Safe medication practice

- Critical component of nursing curriculum
- Vital aspect of nursing practice
- Involve critical thinking
- Clinical decision making skills.

EDUCATION IS NOT
THE LEARNING OF FACTS,
BUT TRAINING THE MIND
TO THINK."

- ALBERT EINSTEIN



Simulation Scenario

Safe medication practice

- Provides a safe and supportive environment
- A patient cannot be harmed



Pediatric Encounter

A realistic patient encounter

- Clinically challenge a team of learners
 - Simulation suite
 - Transmitted to a classroom via WebEx



Interdisciplinary Approach

Utilizing an interdisciplinary approach

- Nursing faculty members
- Director of the simulation lab
- Technical support specialists
 - Created the Pediatric Safety Scenario via WebEx.



Case Study

You are a student nurse on a general pediatric unit and you have just received report from the RN.

You walk into your patient's room.

Baby Howe is a 1 month old admitted with pneumonia.

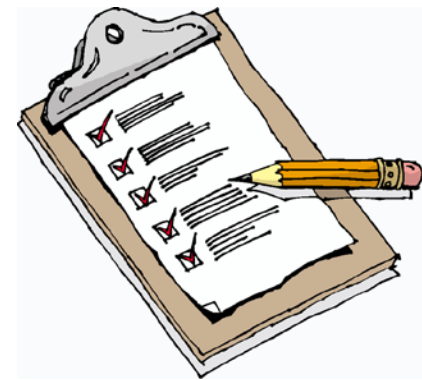
The baby has an IV in his right forearm with D5W/250 ml IV bag infusing at 15 ml/hour.

Vital Signs are Stable.

Baby Howe has no known drug allergies.

You first make an assessment of the environment.

List 10 safety issues.



Pediatric Safety Scenario



Outcomes

Student Results

- Assessed most of the safety errors
- 91% missed wrong IV medication
- 89% missed the ml/hour pump setting



Outcomes

Student Results

- 98% of the students missed that the baby was swaddled

The Swaddling Controversy



Safe Sleep

Use a firm sleep surface, such as a mattress in a safety-approved* crib, covered by a fitted sheet.

Do not use pillows, blankets, sheepskins, or crib bumpers anywhere in your baby's sleep area.

Keep soft objects, toys, and loose bedding out of your baby's sleep area.

Do not smoke or let anyone smoke around your baby.



Make sure nothing covers the baby's head.

Always place your baby on his or her back to sleep, for naps and at night.

Dress your baby in light sleep clothing, such as a one-piece sleeper, and do not use a blanket.

Baby should not sleep in an adult bed, on a couch, or on a chair alone, with you, or with anyone else.



Debriefing Session



Future Projects

Presented Pediatric Scenario at Teaching Excellence Conference

Increase discussion on additional WebEx simulations throughout curriculum

Incorporate safety in all simulation experiences



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