Advancing Education
SimVS Nurse Call System Simulation Scenario

Introduction

Two of the most complex skills for nurses are prioritization and delegation. They must decide what needs to be done first and who is best suited to do it. Sometimes nurses have time to make these decisions thoughtfully, but quick choices are usually needed in today's fast-paced healthcare environment. Simulation is the best option for students to practice their clinical judgment and decision-making skills as there is no risk to patients. DiaMedical has created a ready-to-use scenario for nurse educators.

Learning Goals

- Utilize critical thinking and clinical decision making skills for patient care
- Prioritize patient needs based on Maslow's hierarchy/ABCs
- Appropriately delegate tasks based on patient needs and provider skill level/credentials
- Demonstrate clear, precise communication and effective team dynamics
- Correctly administer simulated medications to patients
- Utilize SBAR communication techniques to obtain new orders from physician

SIMULATION OVERVIEW

Two LPN/RN students and a nursing assistant student are challenged to care for three patients who require attention at the same time. One patient requires immediate Naloxone to reverse opioid toxicity, another requires a nebulizer treatment for shortness of breath, and the third requires care for a nosebleed after taking too much Coumadin. Students must prioritize the patients' needs, delegate tasks appropriately, administer simulated medications, and obtain new orders from the physician.

Required Equipment & Supplies	
MS143972	SimVS Nurse Call System
RES041005	Aeromist Compact Nebulizer With Disposable Kit
PM127811	Practi-Albuterol 2.5 mg/3 mL nebules
RES031029	Adult nasal cannulas
PM087811	Practi-Naloxone 0.4 mg/1 mL vials
SK020154	3 mL Sterile Luer lock syringes
MED051019	Interlink Blunt Plastic Cannulas
IV080050	22G Introcan Safety IV Catheters
PM208298	SimRx 10 mL Saline Flush Syringes
MED041012	Suresite Transparent IV Window Dressings
IV080034	Dynarex 6" IV Extension Sets
PM027821	Practi-Simulated blood 1000 mL bottle

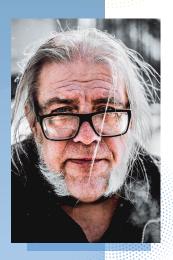| Suggested Equipment & Supplies	
DS029902	SimServeRx 2 Module Medication Dispensing System with Inventory Management
DS030112D	SimServeRx ESS Advanced 1 Module Bedside SmartCart
DG073221	SimVS Diagnostic Essentials
DG073219	SimVS Nurse Call System Additional Tablet
DG073215	SimVS Hospital Virtual Diagnostic Platform
DS030129	SimServeRx Simulated Medication Package For Robin Ritter
DS030123	SimServeRx Simulated Medication Package For Alex Adams
DS030130	SimServeRx Simulated Medication Package For Shannon Sanders

PATIENT OVERVIEW

Bed #1 - Robin Ritter

- **Admitting Diagnosis:** Acute bronchitis
- **Pertinent Information from Shift Report:** Diminished lung sounds with bilateral wheezes, productive cough with green sputum
- **Nursing Care Priorities:** Respiratory monitoring, airway clearance
- **Scenario needs:** Puts call light on to say feeling short of breath
- **Vital signs at bedside:** T 100.6 - P 86 - BP 122/68 - pulse ox 91%
- **Student actions:** Administer Albuterol nebulizer as ordered & contact physician to get order for supplemental oxygen to keep pulse ox > 95%

Bed #2 - Shannon Sanders

- **Admitting Diagnosis:** Right hip ORIF, postoperative day #1
- **Pertinent Information from Shift Report:** Given 2 mg IV morphine 20 minutes ago
- **Nursing Care Priorities:** Pain management & respiratory monitoring
- **Scenario needs:** Patient monitor is alarming (Alternatively, have family member calls out from doorway that Shannon will not wake up)
- **Vital signs at bedside:** T 98.5 - P 88 - BP 108/68 - pulse ox 84%
- **Student actions:** Administer naloxone & contact physician to get order for supplemental oxygen to keep pulse ox > 95%

Bed #3 - Alex Adams

- **Admitting Diagnosis:** Right leg DVT
- **Pertinent Information from Shift Report:** On coumadin daily, had 2 nosebleeds during previous shift, morning INR = 7.8
- **Nursing Care Priorities:** Risk of recurrent bleeding & injury from impaired blood clotting
- **Scenario needs:** Puts call light on to report nosebleed
- **CNA student actions:** Pinch patient's nose to help stop bleeding, tilt head forward, clean patient's face
- **RN/LPN student actions:** Contact physician to hold coumadin, DC Persantine

SIMULATION OUTLINE

Pre-Briefing

- Provide students with copies of Patient Profiles (optional)
- Review patient health history & lab results
- Ask students what additional information is needed from the shift report
- Have students complete the daily worksheet, med sheet & 5 minute care plan for each patient
- Assign student roles - LPN, RN, nurse assistant
- Provide the students with the phone number for the on-call physician to contact for orders

Scenario Setup

- Shannon Sanders' patient monitor is alarming and Alex Adams' call light is beeping as students walk up to the nurses station
- Students should recognize the different sounds and split up to see the patients. After 1-2 minutes, Robin Ritter's call light starts beeping.

DEBRIEFING / STUDENT QUESTIONS

How do you feel about how the simulation went?

What were the main challenges that you had to deal with?

1)

2)

3)

How did you decide which patient needs were the highest priority?

What was done well during the simulation and what could have been handled differently?

DEBRIEFING / STUDENT QUESTIONS

What would you do differently next time?

What are the main things that you learned?

1)

2)

3)

What are the main takeaways from this simulation?

1)

2)

3)