Simulated Clinical Experience (SCE™) Overview

**Location:** Medical-Surgical Unit

**History/Information:**
An 86-year-old Hispanic female has been admitted to the Medical-Surgical Unit with a non-healing wound on her right upper leg where a femoral-popliteal bypass graft was performed two weeks ago. She lives alone and has no insurance. She is alert and oriented x3. She has a history of diabetes. The patient also has an injured left ankle, which occurred when she tripped on a curb on the way to the hospital. She wants to know if she can soak her foot in hot water to make it feel better. She is also anxious about her not being able to care for herself when she returns home.

**Healthcare Provider's Orders:**
*On Admit to the Floor 0900*
- Vital signs twice a day
- Up with Assist three times a day
- Diet 1200 calorie ADA
- Blood glucose AC and HS
- NPH insulin 30units SQ every AM
- Sliding scale insulin AC and HS:
  - Less than 50 — Notify healthcare provider
  - 0-150 — No insulin
  - 151-200 — 2units Regular SQ
  - 201-250 — 4units Regular SQ
- Greater than 400 — Notify healthcare provider
- Morphine 2-5mg po or IM every three to four hours prn prior to dressing change and prn every four hours for severe pain
- Change dressing every 24 hours to bypass graft site using sterile wet-to-moist technique with normal saline
- Apply an elastic bandage to left ankle for sprain using a figure eight
- Notify healthcare provider if: BP greater than 180/100, HR greater than 100, RR greater than 30, Temp greater than 38.3°C

Learning Objectives

1. Relates the significance of the patient's symptoms and assessment findings (APPLICATION).
2. Utilizes appropriate techniques in reconstituting an antibiotic, mixing insulin and administering intramuscular and subcutaneous medications (APPLICATION).
3. Demonstrates insertion, care and removal of a urinary catheter (APPLICATION).
4. Demonstrates a sterile wet-to-dry dressing change (APPLICATION).
5. Demonstrates figure eight dressing utilizing an elastic bandage (APPLICATION).
6. Interprets pain appropriately and administers medication correctly (COMPREHENSION).
7. Records assessment findings, procedures and patient outcomes accurately (KNOWLEDGE).
8. Utilizes appropriate teaching strategies in regards to diabetic foot care to an elderly, Hispanic, lower socioeconomic patient (APPLICATION).
9. Demonstrates use and interpretation of pulse oximetry (APPLICATION).
10. Communicates appropriate patient information to the healthcare provider (APPLICATION).
11. Utilizes therapeutic communication techniques when communicating with the patient (APPLICATION).
Questions to Prepare for the Simulated Clinical Experience

1. What is a femoral-popliteal bypass? Describe possible postoperative complications.
2. What is the correct technique for the insertion, care and removal of a urinary catheter?
3. What is the correct technique for administering a reconstituted intramuscular medication?
4. What is the correct technique for mixing and administering insulin?
5. What are the signs and symptoms of hyperglycemia and hypoglycemia? How would each be treated?
6. What are the principles of sterile technique?
7. What is the procedure for performing a wet-to-dry sterile dressing change?
8. What is the correct technique for applying an elastic bandage using the figure-eight bandage?
9. What would be appropriate teaching strategies for an elderly, Hispanic patient in regards to diabetic foot care?
10. What therapeutic communication techniques would be appropriate for a patient who is anxious?

References


