

Simulated Clinical Experience (SCE™) Overview

Location: Medical-Surgical Unit

History/Information:

An 86-year-old Hispanic female who 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.

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
251-300	— 6units Regular SQ
301-350	— 8units Regular SQ
351-400	— 10units Regular SQ
Greater than 400	— Notify healthcare provider

Place urinary catheter for incontinence

Morphine 2-5mg IM 30 minutes 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 dry 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).

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?

References

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