NORTH CAROLINA BOARD OF NURSING
NURSE AIDE II TRAINING MODULE

SKILL MODULE 7: PERIPHERAL IV FLUIDS

Part A: Preparing for Administration of IV Fluids
Part B: IV Fluid Monitoring Flow Rate
Part C: IV Fluids Site Care and Patient Activities
Part D: Discontinuing Peripheral Intravenous Infusions

PART A: PREPARING FOR ADMINISTRATION OF IV FLUIDS

SPECIAL DIRECTIONS OR NOTATIONS:

- Successful completion of the “Sterile Technique” module is required prior to this module.
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- This activity is a non-direct patient care activity which is done in preparation for the licensed nurse (RN or LPN) to initiate or continue the administration of IV fluids. **The NAII does not connect any tubing or IV fluids directly to the patient.** If the IV needs to be disconnected for patient activity, then the licensed nurse must do this and then reconnect the IV to the patient.
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| 7 hours (Parts A, B, C, & D) | **PART A: PREPARING FOR ADMINISTRATION OF IV FLUIDS** | A. Introduction  
1. Purposes  
2. Classes of IV solutions  
3. Common names of solutions  
| Lecture/discussion | Written test |
| | B. Information  
1. Identification of patient  
2. Nurse’s instructions  
3. Body weight  
4. Vital signs  
5. Intake and output record  
6. Verification of correct solution | | Skills Checklist  
Competency Evaluation in the Clinical Setting (Part A) |
| | C. Delivery devices  
1. Types  
2. Equipment | Laboratory demonstration and return demonstration of the steps in assembling equipment necessary to set up IV fluids | |
### SKILL MODULE 7: PERIPHERAL IV FLUIDS

**Part A: Preparing for Administration of IV Fluids**

**Part B: IV Fluid Monitoring Flow Rate**

**Part C: IV Fluids Site Care and Patient Activities**

**Part D: Discontinuing Peripheral Intravenous Infusions**

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<tr>
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<td>up intravenous fluids</td>
<td>D. Set up of IV’s</td>
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<td></td>
<td></td>
<td>1. Equipment</td>
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<td>2. Sterile technique</td>
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<td>3. Correct solution</td>
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<td>4. Flushing tubes</td>
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PART B: IV FLUID MONITORING FLOW RATE

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<tr>
<td>PART B: IV FLUID MONITORING FLOW RATE</td>
<td>State two (2) observations necessary to insure appropriate IV flow</td>
<td>A. Monitoring IV 1. Flow rate per nurse’s instruction 2. Equipment function checks a. tubing (1) kinks (2) position (3) bubbles b. drip chamber c. clamp d. pump/controller</td>
<td>Lecture/discussion</td>
<td>Written test</td>
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<td>Identify one cause of an obstructed IV</td>
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<td>Laboratory demonstration and return demonstration for the following: a. determining flow rate b. inspecting equipment to determine patency c. determining volume of solution remaining in container</td>
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<td>Discuss the significance of a slowing in the IV rate</td>
<td>B. Other observations 1. Position of patient extremity 2. Volume in container 3. Patient complaints</td>
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<td>Describe additional important observation in the patient receiving IV fluids</td>
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<td>Identify special considerations related to patient age</td>
<td>C. Special considerations 1. Children 2. Elderly</td>
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PART C: IV FLUID SITE CARE AND PATIENT ACTIVITIES

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<td>PART C: IV FLUID SITE CARE AND PATIENT ACTIVITIES</td>
<td>Identify the most common sites for venipuncture</td>
<td>A. Caring for the venipuncture site 1. Common sites 2. Normal appearance 3. Abnormal appearance a. phlebitis (redness) b. infiltration (swelling) c. infection</td>
<td>Lecture/discussion</td>
<td>Written test</td>
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<td>Describe the appearance of a normal venipuncture site</td>
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<td>Define phlebitis and infiltration</td>
<td>B. Related patient care activities 1. Dressing change a. equipment b. procedure 2. Removing/replacing a patient's gown 3. Ambulation of patient with IV a. patient education b. sudden movement c. tension on tubing d. notifying licensed nurse</td>
<td>Laboratory demonstration and return demonstration of procedures for the following: a. redressing an IV site b. changing gown of a patient with an IV in place c. assisting in ambulation of a patient with an IV</td>
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<td>Recognize and Report two (2) signs each of phlebitis and infiltration</td>
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<td>Discuss the care activities for the patient with an IV</td>
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### PART D: DISCONTINUING PERIPHERAL INTRAVENOUS INFUSIONS

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### TIME FRAME | LEARNING OBJECTIVES | RELATED CONTENT (OUTLINE) | LEARNING ACTIVITIES | EVALUATION
--- | --- | --- | --- | ---
**PART D: DISCONTINUING PERIPHERAL INTRAVENOUS INFUSIONS** | Describe the process for discontinuing a peripheral IV | A. Discontinuing an IV
1. Rationale
2. Nurse’s instructions
3. Equipment
4. Procedure
5. Site dressing
6. Site description
7. Report to licensed nurse | Laboratory demonstration and return demonstration of procedures for the following:
   a. assembling equipment needed to discontinue IV
   b. discontinuing IV
   c. dressing site
   d. documenting appropriate information | Written test
   - Skills Checklist
   - Competency Evaluation in the clinical setting (Part D)
SKILL MODULE 7: PERIPHERAL IV FLUIDS

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SKILLS CHECKLIST COMPETENCY EVALUATION

PERIPHERAL IV FLUIDS PART A: ASSEMBLING AND FLUSHING TUBING DURING SET-UP

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COMPETENCY STATEMENT: Demonstrate ability to assemble and flush tubing during set-up

CRITERIA:
1. Obtains directions from licensed nurse
2. Gathers necessary equipment
3. Washes hands
4. Removes protective coverings from solution container and tubing
5. Closes roller clamp
6. Connects tubing to solution container
7. Partially fills drip chamber
8. Opens clamp and flushes air from tubing
9. Closes clamp and recaps tubing
10. Reports information to licensed nurse

This entire activity has been properly performed, without prompting and without assistance, by ________________________________.

(Name of student)

RN INSTRUCTOR:

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SKILLS CHECKLIST COMPETENCY EVALUATION

PERIPHERAL IV FLUIDS: PART B – IV FLUID MONITORING

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COMPETENCY STATEMENT: Demonstrate ability to properly monitor IV flow rate

CRITERIA:

1. Obtains IV fluid flow rate from licensed nurse
2. Counts number of drops per minute being administered to patient or observes IV pump to verify correct rate of flow.
3. Identifies volume remaining in IV fluid bag
4. Inspects IV equipment for patency
5. Observes patient’s position related to IV flow
6. Reports information to licensed nurse

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(Name of student)

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Name/Date

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PERIPHERAL IV FLUIDS: PART C – IV FLUIDS SITE CARE AND PATIENT ACTIVITIES

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COMPETENCY STATEMENT: Demonstrate ability to properly redress an IV site and to perform patient care activities for patient receiving IV fluids

CRITERIA:

1. Receives directions from licensed nurse
2. Explains procedure to patient
3. Washes hands
4. Assembles dressing materials needed
5. Puts on gloves
6. Removes dressing with gloves
7. Discards soiled dressing and gloves
8. Washes hands
9. Puts on sterile gloves (for teaching purposes, sterile gloves are used. However, some agencies may permit the application of the dressing using clean gloves)
10. Applies sterile dressing
11. Secures dressing
12. Removes gloves
13. Disposes of contaminated dressing and gloves
14. Washes hands
15. Documents appearance of peripheral IV site
16. Reports information to licensed nurse
17. Changes patient gown with IV in place
18. Ambulates patient who is receiving IV fluids

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(Name of student)

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SKILLS CHECKLIST COMPETENCY EVALUATION
PERIPHERAL IV FLUIDS: PART D – DISCONTINUING PERIPHERAL INTRAVENOUS INFUSIONS

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COMPETENCY STATEMENT: Demonstrate ability to properly discontinue a peripheral intravenous infusion

CRITERIA:
1. Obtains directions from licensed nurse
2. Explains procedure to patient
3. Washes hands
4. Gathers necessary equipment and supplies
5. Identifies the patient
6. Puts on gloves
7. Confirms that tubing clamp is closed off
8. Removes site dressing and peripheral intravenous device
9. Applies direct pressure to site until bleeding is controlled
10. Applies appropriate pressure dressing to site
11. Removes and discards gloves
12. Discards supplies and equipment
13. Washes hands
14. Documents information
15. Reports patient information to licensed nurse

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(Name of student)

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