

 <p>Connecticut Valley Hospital Nursing Policy and Procedure</p>	<p>SECTION D: PSYCHOLOGICAL ADAPTATION CHAPTER 17: PHYSIOLOGICAL NURSING CARE</p> <p>POLICY AND PROCEDURE 17.8 IV Therapy with Infusion Pump via Central Line</p>
<p>Authorization: Nursing Executive Committee</p>	<p>Date Effective: May 1, 2018 Scope: Registered Nurses and Licensed Practical Nurses</p>

Standard of Practice:

The nurse will ensure that patients receiving IV Therapy will be monitored carefully to assess the patient's response to the medication and to report and document findings accordingly.

Standard of Care:

The patient can expect to safely receive IV therapy.

Policy:

To sustain life and enhance recovery from medical illnesses when IV therapy is the only means of treating such condition.

Procedure:

1. Remove medication from the refrigerator 1-2 hours before administration.
2. Read the label on the medication and compare it with the physician order to ensure accurate pt, medication, dosage, route of administration, clarity of solution, time of administration, length of time to administer and expiration date. If any discrepancies are identified, contact either our pharmacy or the contracted company directly.
3. Wash your hands.
4. Prepare IV bag
 - a. remove tubing from package and close the roller clamp.
 - b. remove the tab from the medication bag and the cap from the spiked end of tubing.
 - c. insert spike into medication bag and twist until it is secure.
 - d. place bag on IV pole and squeeze drip chamber until ½ full
 - e. raise tubing above IV bag and slowly open clamp to flush air out of tubing. Once the solution reaches the end, close clamp immediately.
5. Load IV bag into pump
 - a. open pump door by lifting handle.

- b. find the dark blue slide clamp above the roller clamp, grasp ribbed end and insert the blunt end into the slot at the bottom of the pump. Push it in all the way.
 - d. push the red safety clamp back, to the right.
 - e. load the tubing upward through the channel and out the curve on the right side of the machine.
 - f. close the outside door, listen for a “click” that indicates the safety clamp has been engaged.
- 6. Turn pump on by pressing the On/Off pad.
- 7. If the machine is preprogrammed, press "options", then skip this section.
 - a. press the PRI rate pad and enter _____ ml/hour.
 - b. press the VTBI pad and enter the total volume _____ ml/hour.
- 8. Bring items to the location of the patient
 - a. Inspect IV catheter site/dressing. Call contractor if dressing change is required
 - b. open clamp on IV catheter.
 - c. cleanse IV cap with alcohol wipe.
 - d. attach a prefilled saline syringe to injection cap by twisting until secure and flush line. If air is found in prefilled syringe, inject all of the saline and stop on 1 ml.
 - e. any problems that produce pain, burning or swelling around the catheter or if flushing requires extreme pressure, stop immediately and notify the patient's physician, RN Supervisor and contracted company.
- 9. Administering medication
 - a. cleanse IV cap with alcohol wipe.
 - b. remove protective cap from end of IV tubing and attach to IV cap.
 - c. open all clamps.
 - d. press the PRI start button on the pump.
 - e. infusion should take up to an hour depending on the medication ordered.
- 10. When the infusion is complete, stop the pump by pressing the “Stop” key pad.
 - a. close the clamp on the IV tubing and remove from IV cap.
 - b. open the pump door and press the red safety clamp to the right
 - c. push blue slide clamp all of the way into the pump.
 - d. grasp tubing at bottom and remove it.
 - e. discard tubing in regular trash.
- 11. Cleanse IV cap with alcohol wipe and flush IV catheter with prefilled saline syringe.
- 12. Cleanse IV cap with alcohol wipe and flush IV catheter with prefilled heparin
- 13. Repeat step 12 for other catheter.
- 14. Secure IV catheter with tape/kerlix gauze.
- 15. Replace Sterile End Cap every 7 Days.
- 16. Plug pump in electrical socket while not in use to keep the battery charged.
- 17. Document as required in MAR.