

# PATIENT EDUCATION

## Curlin Pump Administration Procedure (TPN Mode)

Properly administering your medication at home is important to your safety. In the event of an emergency, call 911.

### SUPPLIES:

- TPN bag
- Curlin tubing with filter (**change daily**)
- Curlin pump
- 2 “C” batteries (change daily and as needed)
- Coin to unlock battery door (if required)
- (2) Sodium chloride (Saline) prefilled syringes
- (1) Heparin prefilled syringe (if indicated)
- Alcohol or antiseptic wipes
- (1) light blue sterile cap
- Any additional medications and supplies as required for additives
- Sharps container if using syringes with needles

### SASH FLUSH PROCEDURE:

- S** Saline \_\_\_ ml
- A** Administer medication as instructed by your nurse
- S** Saline \_\_\_ ml
- H** Heparin \_\_\_ ml (if required)

### PROCEDURE FOR TPN INFUSION VIA CURLIN PUMP:

1. Clean work area. Wash hands thoroughly for at least 20 seconds. Gather supplies.
2. Check TPN label for name, drug, frequency, and expiration. Inspect the bag for any cracks, leaks, particulate matter, and clarity of medication. Contact us for any discrepancies or concerns.
3. Prepare your prefilled syringes for flushing your IV catheter as instructed by your nurse.
4. Prepare TPN additives as instructed by your nurse.
5. Clean injection port of TPN bag with an alcohol wipe scrubbing vigorously for 30 seconds and let dry for 60 seconds.
6. Inject the additives into the TPN as directed by your nurse. Any needles from TPN additives should be disposed of in a Sharps container.
7. Gently rock the bag of TPN back and forth to mix additives.

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8. Remove CURLIN tubing from package. Twist and remove the breakaway tab from the Flow-Stop. Removing the breakaway tab causes the Flow-Stop to close, preventing unintended gravity flow.
9. Remove protective tab from entry port of medication bag.
10. Remove cover from spike on Curlin tubing and insert spike into medication bag, using a pushing-twisting motion. **DO NOT TOUCH SPIKE.**
11. Insert the batteries into the **CURLIN** pump.

### ADMINISTRATION:

12. Insert the administration set into the **CURLIN** pump as directed by your nurse.
13. Close the pump door securely.
14. Turn pump on by pressing on/off key.
15. After the pump completes an internal check or the system, the screen will display **ENTER to Select. PROGRAM** will be highlighted. Press **YES**
16. The next screen will display **REPEAT Rx** and **NEW PROGRAM**. Make sure **REPEAT Rx** is highlighted, then press **YES**.
17. The pump will complete a review of the settings then it will stop on the screen that displays **PRESS RUN to START; NO TO REVIEW; OPTIONS** or **PRIME**. With each bag of TPN and new tubing, you will need to prime the tubing by pressing and holding the **PRIME** key. Follow the directions on the screen to prime tubing completely, while inverting the filter until the tubing fills completely with fluid and a droplet of fluid is noted at the end of the tubing, release the “y” button. This step may need to be repeated to ensure entire tubing has been cleared of air.
18. Clean the injection cap on the end of your catheter with an alcohol wipe vigorously for 30 seconds and let air dry for 60 seconds. Repeat this process with a new alcohol/antiseptic wipe vigorously again for 30 seconds and let air dry for 60 seconds.

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**NOTE:** It is important to follow this method of double scrubbing the hub/injection cap of your line **every** time you access your line.

19. Flush your catheter with sodium chloride as instructed by your nurse.
20. Clean the injection cap on the end of your catheter with alcohol/antiseptic wipe vigorously for 30 seconds and let air dry for 60 seconds. Repeat this process with a new alcohol/antiseptic wipe vigorously again for 30 seconds and let air dry for 60 seconds.
21. Attach the **CURLIN** tubing to the end of your injection cap.
22. Press green **RUN** key and the pump will start and your infusion will begin.

**NOTE:** If it is necessary to **PAUSE** the pump during an infusion (ex. to silence an alarm), once resolved, **RESUME** should be highlighted. Press **YES**, then press **RUN** key to resume.

If the pump is turned **OFF** during an infusion, turn pump **ON**, press **YES** to **PROGRAM**, then **YES** to **RESUME** (if restarting the same medication bag) or **REPEAT RX** (if starting a new bag), then **RUN** key.

### **AT THE END OF INFUSION:**

23. When your infusion is complete the Curlin pump will either say **INFUSION COMPLETE** or **BAG EMPTY**.
24. Press **PAUSE**. Then turn the pump OFF.
25. Disconnect the tubing from your injection cap.
26. Clean the injection cap on the end of your IV catheter with an alcohol/antiseptic wipe vigorously for 30 seconds and let air dry for 60 seconds. Repeat this process with a new alcohol/antiseptic wipe vigorously again for 30 seconds and let air dry for 60 seconds.
27. Attach a prefilled Sodium Chloride/Saline syringe to the injection cap of your IV catheter and flush the IV catheter as instructed by your nurse.

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**If your catheter requires the use of Heparin: Complete steps 28-30, otherwise, skip to 31.**

28. Clean the injection cap on the end of your IV catheter with a new alcohol/antiseptic wipe vigorously for 30 seconds and let air dry for 60 seconds. Repeat this process with a new alcohol/antiseptic wipe vigorously again for 30 seconds and let air dry for 60 seconds.
29. Attach a prefilled syringe of Heparin to the injection cap of your IV catheter and flush your IV catheter as instructed by your nurse.
30. Disconnect the syringe from the injection cap of your IV catheter and discard.
31. Flush any additional lumens as directed in your plan of treatment, using the same double scrubbing technique as before.
32. Remove used TPN bag with tubing from pump and dispose of as instructed by your nurse.
33. Wash hands thoroughly, for at least 20 seconds.

**\*\* All supplies and waste can be double bagged and disposed of with your household garbage\*\***

### NOTES:

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The information included in this document is intended for informational and educational purposes only. It is not intended to replace medical advice offered by a physician or other qualified health provider. If you think you are experiencing a medical emergency, call 911 immediately.

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