

ADMINISTRATION OF TPN VIA CADD-PRIZM PUMP

Properly administering your TPN via the CADD Prizm Pump at home is important to your safety. Please call 1-800-755-4704 if you have any questions or concerns at all while administering the medication. We are available 24 hours a day, 7 days a week. In the event of an emergency, always call 911.

For teaching guides and videos:

- <https://chartwellpa.com/patients/patient-teaching-guides.asp>

- QR code →



SUPPLIES:

- TPN bag (remove from refrigerator **4 – 6 hours before** infusing)
- CADD PRIZM pump and battery power pack
- CADD PRIZM tubing set with filter (CADD tubing)
- Alcohol/antiseptic wipes
- Sharps container, if appropriate
- (2) Sodium Chloride (Saline) syringes
- (1) Heparin syringe
- Any additional medications or supplies needed for TPN additives
- 9v battery
- TPN Placemat

SASH FLUSH PROCEDURE:

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

PROCEDURE:

1. Clean work area. Wash Hands thoroughly for at least 20 seconds. Place your TPN placemat on the clean, dry area. Gather supplies.
2. Check labels for name, drug, frequency, and expiration. Inspect the TPN bag for any cracks, leaks, particulate matter, and clarity of medication. Contact Chartwell 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 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 before injecting each additive into bag.
6. Inject the additives into the TPN as directed by your nurse. Any needles from the TPN additives should be disposed of in the sharps container.
7. Gently rock bag back and forth to mix additives.
8. Remove CADD PRIZM tubing from package. Remove the blue Flow Stop device from the top of the cassette by pulling the blue tab up. This will prevent un-intended gravity flow.
9. Remove protective tab from entry port to TPN bag.
10. Remove cover from spike on tubing and insert spike into TPN bag using a pushing-twisting motion. **DO NOT TOUCH SPIKE.**
11. Insert a 9-volt battery into the pump and attach the battery pack power cord into the power outlet of the pump.
12. Pump will go through an automatic review; screen will display pre-programmed settings. Listen for sequence of beeps. Display screen will read **“TPN Press NEXT to advance.”**
13. Use coin to lock new tubing/set to CADD PRIZM pump as instructed by your nurse. Pump will display **“administration set attached, press next to continue.”**
14. Press NEXT on screen to advance to next display.
15. Display will read **“Reservoir Volume.”** Press ENTER. (this resets the pump and must be done with each new bag)
16. Display will then read **“Prime Tubing”**. Press “Y” (YES) Hold keypad down until tubing is fully primed. Prime entire length of the tubing with medication 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.
17. Display will read **“Continue Priming?”** If entire tubing is primed press “N” (NO)
18. Display will read **“Start the pump”** Press “N” (NO)
19. Display will read **“STOP.”**
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.

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

21. 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.
22. Disconnect the syringe from the injection cap of your IV catheter and discard.
23. 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.
24. Attach the CADD Prizm tubing to the end of your injection cap.
25. Start pump by pressing **STOP/START** on the keypad.
26. Display will read **“Start the Pump?”** Press **“Y”** (YES). Pump will go through automatic review then the Green light in upper right corner of pump (above the display screen) will blink. Display will read **Running**. Fluid delivery will begin
27. Place CADD PRIZM pump and the bag of TPN into the backpack as instructed by your nurse.

NOTE: After a short time, the display turns itself off to save power. To reactivate display screen, press any keypad.

AT THE END OF INFUSION:

28. Stop CADD Prizm pump. Press STOP/START key. Display will read **“Stop the pump?”** Press **“Y”** (YES)
29. Disconnect the tubing from your injection port of your IV catheter. Use a coin to unlock tubing/set from pump and discard used tubing and TPN bag. Remove battery to turn pump off.
30. 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.
31. 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.
32. Disconnect the syringe from the injection cap of your IV catheter and discard.

If your catheter requires the Use of Heparin: Complete steps 33-35, otherwise, skip to 36.

33. 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.
34. Attach a prefilled syringe of Heparin to the injection cap of your IV catheter and flush your IV catheter as instructed by your nurse.



35. Disconnect the syringe from the injection cap of your IV catheter and discard.
 36. Flush any additional lumens as directed in your plan of treatment, using the same double scrubbing technique as before.
 37. Wash hands thoroughly, for at least 20 seconds.
- Always connect battery pack to AC adapter and plug into wall outlet. A green light will illuminate when the battery pack is fully recharged.
 - A 9-volt battery must always be in the pump when infusing for the pump to operate correctly. Change the 9-volt battery daily.

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

NOTES: