

PATIENT EDUCATION

Administration of TPN Via CADD-Solis Pump (Taper Mode)

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

SUPPLIES:

- TPN bag (remove from refrigerator **2-3 hours before** infusing)
- CADD SOLIS pump w/ rechargeable battery & AC adaptor
- CADD tubing (changed **DAILY** for TPN infusions)
- TPN Placemat
- Sharps container (if appropriate)
- Alcohol or antiseptic wipes
- 4-AA batteries for emergency backup
- (2) Sodium Chloride (Saline) syringes
- (1) Heparin prefilled syringe (if indicated)
- Any additional medications or supplies needed for TPN additives

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 medication 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/antiseptic wipe vigorously 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 TPN additives should be disposed of in a Sharps container.

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7. Gently rock bag back and forth to mix additives.
8. Remove CADD tubing from package. Remove the blue clip from the top of the cassette by pulling up on the blue clip. This will prevent un-intended gravity flow.
9. Remove protective tab from entry port of 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. Press the Power button on the right side of pump. Pump will make a series of beeps. Main screen will appear with pump mode showing and “Ready to Begin” in center of screen.
12. Open cassette latch lever 90 degrees and attach new tubing to pump (hook hinged end first). Push up on the cassette until it firmly clicks into place OR place the pump upright on a firm, flat surface and then press down on the latch side of the pump until the cassette clicks into place. Close Latch.

NOTE: Do not force latch. If you are unable to latch the cassette with minimal to no resistance, the cassette is not in the proper latching position. Unlatch the cassette and repeat the process. Top of screen will flash “High Volume or Standard Administration Set Latched

13. Check pump screen; If “**RESET RESERVIOR VOUME TO _____? ML**” appears, press “**YES**” on keypad. ****This question will not appear during initial infusion****
14. Pump will then ask, “**Prime Tubing?**” Press “**YES**” on keypad. Make sure clamps on tubing are open and turn pump on side (latch-side down) to assist with the removal of air bubbles. Pump screen will read “**Disconnect tubing from patient, open clamps then press Prime**”. Press “**PRIME**” on keypad.
15. Prime until a drop of fluid is noted at the end of the tubing. Press “**STOP PRIMING**”. Pump will read “**CONTINUE PRIMING?**” Press “**NO**”.
16. 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.

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

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17. 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.
18. Disconnect the syringe from the injection cap of your IV catheter and discard.
19. 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.
20. Remove protective cap from the end of the CADD tubing and attach the tubing to the injection cap of your IV catheter. ****DO NOT TOUCH END OF TUBING****

NOTE: After a short time, the display on the pump screen turns itself off to save power. To re-activate display screen, press any white key on the pump.

21. When **“START THE PUMP?”** displays on the pump screen, press **“YES”** on the keypad. This will start the infusion. The pump will display that it is running, and the green indicator light will flash.

AT THE END OF INFUSION:

22. When infusion is completed, the pump will alarm and say, **“INFUSION COMPLETE”**. Press **“ACKNOWLEDGE”**. Main screen will appear with infusion complete picture showing in center of the screen. Pump will remain running in a KVO mode with green indicator light flashing.
23. Close the clamp on CADD tubing and stop infusion by pressing the Stop/Start button on keypad. Pump will ask **“STOP PUMP?”** Press **“YES”** on keypad.
24. Turn pump off by pressing the Power button on the right side of pump.
25. Disconnect the tubing from the injection port of your IV catheter.
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 prefilled Sodium Chloride/Saline syringe to the injection cap of you IV catheter and flush the IV catheter as instructed by your nurse.
28. Disconnect the syringe from the injection cap of your IV catheter and discard.

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If your catheter requires the use of Heparin: Complete steps 29-31, otherwise skip to step 32.

29. 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.
30. Attach a prefilled syringe of Heparin to the injection cap of your IV catheter and flush your IV catheter as instructed by your nurse.
31. Disconnect the syringe from the injection cap of your IV catheter and discard.
32. Flush any additional lumens as directed in your plan of treatment, using the same double scrubbing technique as before.
33. Remove TPN bag from the CADD Solis pump and discard.
34. Wash hands thoroughly for at least 20 seconds.

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

NOTE: The CADD Solis pump runs on a rechargeable battery and will need to be plugged into a wall jack using the AC adaptor for 4-6 hours daily to recharge. In an emergency, the CADD Solis pump can run on 4-AA batteries. Please refer to the patient teaching handout for instructions of how to charge the CADD Solis pump or change the 4-AA batteries.

NOTE: If you are relying on battery power, and the yellow and green light on the top left corner of the pump starts blinking, and a **“Battery Depleted”** or **“Battery Low”** message appears on the display screen, you should change the batteries. Refer to CADD Solis Pump Disposable Battery Change Sheet.



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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