

ADMINISTRATION OF TPN VIA CADD-SOLIS PUMP (TAPER MODE)

SUPPLIES:

- TPN bag (remove from refrigerator 6 - 8 hours before infusing)
- CADD SOLIS pump w/ rechargeable battery & AC adaptor
- 4-AA batteries for emergency backup
- **CADD tubing (changed DAILY for TPN infusions)**
- alcohol or antiseptic wipes
- sharps container (if appropriate)
- (2) Sodium Chloride (Saline) syringes
- (1) Heparin prefilled syringe (if indicated)
- Any additional medications or supplies needed for TPN additives

PROCEDURE:

1. Clean work area. Wash hands thoroughly. Gather supplies.
2. Prepare your prefilled syringes for flushing your IV catheter as instructed by your nurse.
3. Prepare TPN additives as instructed by your nurse.
4. 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. Inject the additives into the TPN as directed by your nurse. Any needles from TPN additives should be disposed of in a sharps container.
5. Gently rock bag back and forth to mix additives.
6. 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.
7. Remove protective tab from entry port of TPN bag.
8. Remove cover from spike on tubing and insert spike into TPN bag using a pushing-twisting motion. **DO NOT TOUCH SPIKE.**
9. 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.
10. 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".



11. Check pump screen; If **RESET RESERVIOR VOUME TO _____?** ML appears, press **“YES”** on keypad. ****This question will not appear during initial infusion****
12. 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.
13. Prime until a drop of fluid is noted at the end of the tubing. Press **“STOP PRIMING”**. Pump will read **“CONTINUE PRIMING?”** Press **“NO”**.
14. 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. Obtain a new alcohol/antiseptic wipe and repeat this step for a second scrub.
15. 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.
16. Disconnect the syringe from the injection cap of your IV catheter and discard.
17. 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.
18. 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.
19. 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:

20. 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.
21. Close the clamp on pump tubing and stop infusion by pressing the Stop/Start button on keypad. Pump will ask **“STOP PUMP?”** Press **“YES”** on keypad.
22. Turn pump off by pressing the Power button on the right side of pump.
23. Disconnect the tubing from the injection port of your IV catheter.
24. 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.



- 25. Attach prefilled Sodium Chloride/Saline syringe to the injection cap of you IV catheter and flush the IV catheter as instructed by your nurse.
- 26. Disconnect the syringe from the injection cap of your IV catheter and discard.

IF YOUR CATHETER REQUIRES THE USE OF HEPARIN: Complete steps 27-29, otherwise skip to step 30.

- 27. 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.
- 28. Attach a prefilled Heparin syringe to the injection cap of your IV catheter and flush the IV catheter as instructed by your nurse.
- 29. Disconnect the syringe from the injection cap of your IV catheter and discard.
- 30. Remove TPN bag from the CADD Solis pump and discard.

****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 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.

SASH FLUSH PROCEDURE:

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