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

SUPPLIES:

- TPN bag (remove from refrigerator **2–3 hours before** infusing)
- CADD SOLIS Pump
- 4-AA Batteries
- CADD Tubing (changed **DAILY**)
- Alcohol Wipes
- Sharps Container
- (2) Sodium Chloride (Saline) syringes
- (1) Heparin Syringe (if indicated)
- Any Additional Medications or Supplies Needed for TPN Additives

SASH FLUSH PROCEDURE:

S Saline 10 mL
A Administer medication as instructed by your nurse
S Saline 10 mL
H Heparin 5 mL (if required)

PROCEDURE:

1. Clean work area. Wash Hands thoroughly, for at least 20 seconds. Place your TPN supplies on a clean, dry area. Gather supplies.
2. Check labels for name, drug, frequency, and expiration date. 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 wipe vigorously for 30 seconds and let air dry 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. Gently rock bag back and forth to mix additives.
7. 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 unintended gravity flow.
8. Remove protective tab from entry port of TPN bag.
9. Remove cover from spike on tubing and insert spike into TPN bag using a pushing-twisting motion. **DO NOT TOUCH SPIKE.**

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10. 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.
11. 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”.

12. Check pump screen; If **RESET RESERVOIR VOLUME TO_? ML** appears, press **“YES”** on keypad. **This question will not appear during initial infusion.****
13. 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.
14. Prime until a drop of fluid is noted at the end of the tubing. Press “STOP PRIMING”. Pump will read **“CONTINUE PRIMING?”** Press **“NO”**.
15. Clean the injection cap on the end of your IV catheter with an alcohol wipe vigorously for 30 seconds and let air dry.

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

16. 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.
17. Disconnect the syringe from the injection cap of your IV catheter and discard.
18. Clean the injection cap on the end of your IV catheter with an alcohol wipe vigorously for 30 seconds and let air dry.
19. 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 reactivate display screen, press any white key on the pump.

20. 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.

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AT THE END OF INFUSION:

21. When completed, the pump will alarm and say **“INFUSION COMPLETE”**.Press **“ACKNOWLEDGE”**. Main screen show an infusion complete picture in the center of the screen. Pump will remain running in a KVO mode with green light flashing.
22. 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.
23. Turn pump off by pressing the Power button on the right side of pump.
24. Disconnect the tubing from the injection port of your IV catheter.
25. Clean the injection cap on the end of your IV catheter with an alcohol wipe vigorously for 30 seconds and let air dry. Repeat this process with a new alcohol/antiseptic wipe vigorously again for 30 seconds and let air dry.
26. Attach prefilled Sodium Chloride/Saline syringe to the injection cap of you IV catheterand flush the IV catheter as instructed by your nurse.
27. Disconnect the syringe from the injection cap of your IV catheter and discard.

IF YOUR CATHETER REQUIRES THE USE OF HEPARIN:

Complete steps 28-30, otherwise skip to step 31.

28. 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 wipe vigorously again for 30 seconds and let air dry for 60 seconds.
29. Attach a prefilled Heparin syringe to the injection cap of your IV catheter and flush the 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 TPN bag from the CADD Solis pump and discard. All supplies and waste can be disposed of with your household garbag.

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.

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