

TOTAL PARENTERAL NUTRITION (TPN) ADMINISTRATION STEPS

- ▶ **Remove TPN from refrigerator 6 hours before use.**
- ▶ **Prior to starting perform hand hygiene for at least 20 seconds.**
- ▶ **Gather supplies**

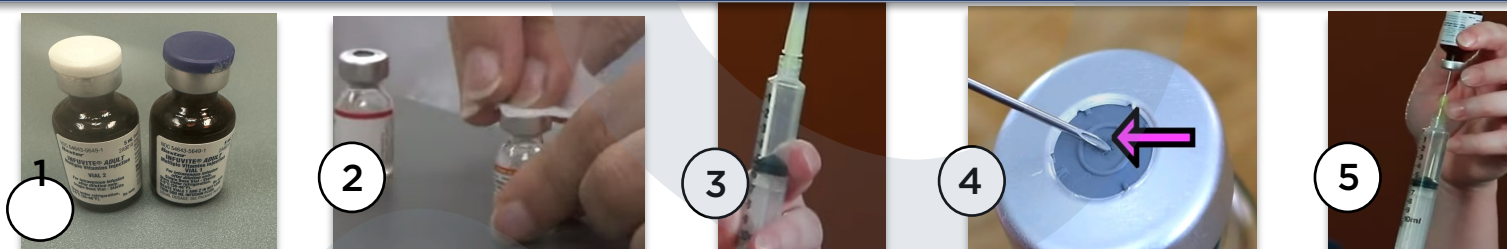
- TPN Therapy Using a CADD Pump Instructional document
- Alcohol pads
- Two saline syringes
- CADD pump and tubing in package
- Batteries AA
- Fairview Home Infusion self monitoring log
- Oral thermometer
- Black carrying bag
- Sharps container
- Vitamins- Adults (1 blue cap and 1 white) Pediatrics (1 large and 1 small vial)
- Prefilled insulin syringe and needle (if ordered)
- Prefilled vitamin K syringe and the needle that came with it in the brown bag (if ordered)



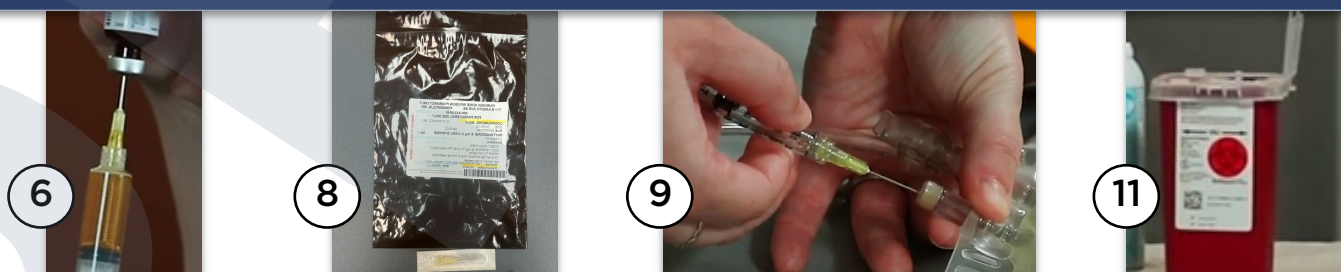
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Adding Multivitamins to a TPN bag

1. Remove plastic caps from both vitamin vials.
2. Clean rubber top of each vial with a new alcohol wipe by swiping 10x in one direction and then let air dry.
3. Remove syringe with needle attached from packaging. Tighten needle and remove cover. Draw up 5ml of air into the empty syringe.
4. Insert needle directly in the center of rubber top and push air into vial.



5. Keep your thumb on the plunger of the syringe and turn the vial upside down.
6. Pull back on the plunger to draw up the liquid. Tap the syringe to move any air bubbles to the top and push them back into the vial.
7. Be sure to keep the needle tip in the liquid while pulling back on the plunger slowly to draw out the correct amount.



8. Vitamin K (brown bag), Insulin, and other additives come in pre-drawn up syringes. Attach the needle to end of medication syringe by twisting and then add to TPN bag.
9. When adding multivitamins and/or other additives, use an alcohol wipe to scrub the shortest port with rubber on end for 15 seconds, let dry. Push needle directly into the center of the port and instill medication into the TPN bag
10. Gently kneed the TPN bag to ensure all additives are mixed uniformly
11. Remove needle and dispose of in sharps container

See reverse side for continued instructions

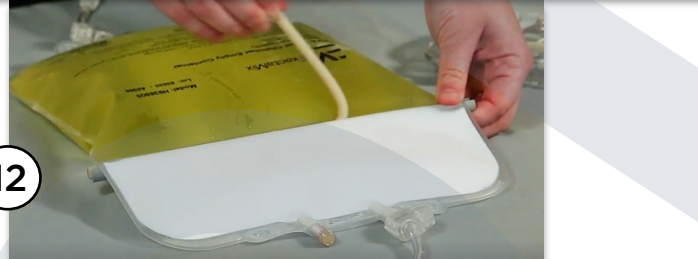
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(continued)

- ✓ The liquid on the bottom should be clear or slightly yellow with no particles.
- ✓ Lipids – white milky portion on top (if brown or oily streaking is seen don't administer and call FHI).
- ✓ Add multivitamins and/or other additives prior to mixing lipids (see back side).

12. Pull rubber stopper, remove the silver backing and gently knead the bag until the liquids are well mixed.

Once lipids are mixed, TPN must be used **within 24 hours!**

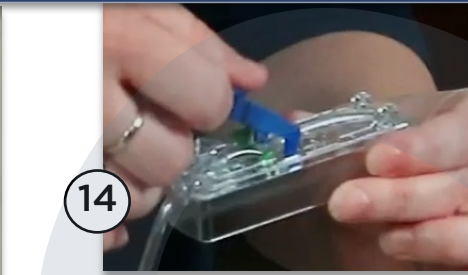


13. Remove IV tubing from its package.

14. Pull the blue clip off the cassette.

15. Remove the rubber seal from the middle port on TPN bag by twisting off.

16. Remove cap off spike at end of tubing. Then spike the middle port of the TPN bag using a twist motion.



17. Replace 4-AA batteries - turn knob counterclockwise to open.

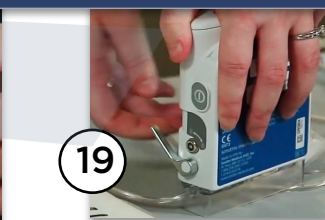
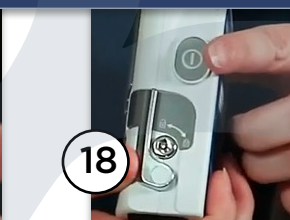
18. Push and hold grey (on/off) button on side of pump. You will hear 6 audible beeps.

19. Pull down the silver lever on the right side of the pump.

20. Take the tubing and place the pegs of cassette into hinge pins on bottom of pump.

21. Push down on a firm surface and close the silver lever.

22. The pump will read: "Prime tubing", select "Yes".



23. Hold the bag with tubing up while priming to remove air from the bag, keep the arrow on the filter pointing up, continue priming until fluid reaches the end of tubing.

24. When pumps reads: "Continue priming", select (No). "Do you want to start the pump?", select (No)

25. Review the settings on pump by pushing soft key under tasks. Scroll down to "view delivery settings" and push "Select". Verify settings match TPN label.

26. Press back button until you reach the home screen.

Attach the primed tubing to your central line, open all clamps and start the infusion.

Latch the top of the TPN bag in the metal clip inside carrying bag and use Velcro straps to secure the bag. Place pump so the screen is visible in window and zip the bag closed.