



Total Parenteral Nutrition Therapy (TPN)

Your doctor has ordered TPN, a nutritional aid that is given directly into the bloodstream, to ensure your good nutrition. TPN provides fluid, nutrients (food), vitamins, sugars, protein, minerals, and electrolytes. Everything your body needs to heal and promote good health.


Your medical team has arranged for Home Solutions to deliver the TPN, multivitamins, tubing, and other supplies to your home. We will deliver enough TPN and supplies for several days. Put the TPN, multivitamins, and any other medication labeled in the refrigerator. Place them either on a clean shelf or in a clean drawer. Do not store any food items on the same shelf or in the same drawer as the TPN.

Setting-up and connecting your TPN

1. Wash your hands with soap and water. See “washing hands” in your booklet.



2. Take the TPN out of the refrigerator at **least one (1) hour** before hook-up to warm it to room temperature. **Do not** warm the TPN under hot water or in the microwave.
3. Carefully check the label on the solution bag or bottle for the following before using:
 - a. Your name.
 - b. Name of medication prescribed by physician.
 - c. Expiration date.
 - d. Directions for use.



HOME SOLUTIONS
INFUSION THERAPY


215 Shore Rd
Somers Point NJ
888-646-6379
Dea # 99999999
For Parenteral use only

John Q. Smith Dr Moe, Larry, Cheese
Rx # 99999 Date 12/25/05
TPN 3 in 1 admixture 2040 ml Qty: 7

Directions:
Administer TPN over 12 hours daily using CADD Prizm pump through PICC line, Ramp up/ down 1 hour. Add MVI (10 ml) to each bag prior to infusing.

Flush before and after each dose using SASH method
Storage: Keep Refrigerated remove from refrigerator 1-2 hours before use.

Discard after: 1/25/05 RPh JLC
Federal law prohibits dispensing without a prescription



HOME SOLUTIONS
INFUSION THERAPY

Name: John Q. Smith **dosing weight:** 148 lbs
Rx # 99999 **Exp date** 01/25/06

Base Formula:	Amount/ day	Amount/L
Dextrose 70 %	100.00 grams	50Grams
Amino Acids 15 %	170.00 Grams	85.00Grams
Lipids 20 %	100 grams 50 grams	
Water	192.33 ml/D	96.17 ml

Electrolytes:		
Sodium Chloride	75.00 mEq	37.50 mEq
Potassium Phosphate	20.01 mM	10.01 mM
Mg Sulfate	16.00 mEq	8.00 mEq
Potassium Acetate	15.00 mEq	7.50 mEq

Vitamins, Trace elements and medications:

M.T.E. -5	3 ml	1.5 ml
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Admixture contains 2000ml plus 50 ml overfill

4. Carefully inspect all bags, bottles, and do not use if:
 - a. Leaks or cracks are present.
 - b. Protective caps are missing.
 - c. Solution appears cloudy or has floating particles.
 - d. Label is torn or missing.

5. Prepare a clean workspace by wiping it with alcohol or other anti-germ cleaner.



6. Wash your hands again.



7. Gather your supplies:

Alcohol wipes

Pre-filled Syringes for flushing

Add mixtures



_____ Wipes

_____ Saline

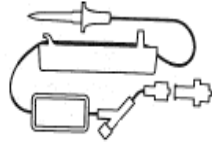
_____ Heparin

Medications

CADD VIP Pump



Tubing



Syringes

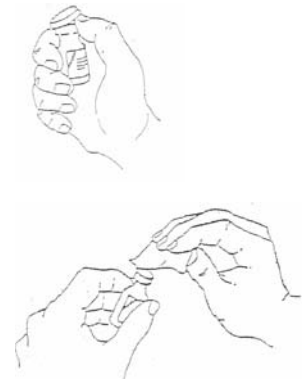


other supplies:

8. Wash your hands again.



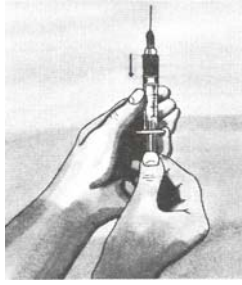
9. The clinical nurse specialist will teach you how prepare the add mixtures to your TPN.



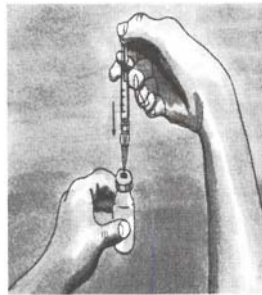
A. Flip the protective top off the medication vial.

B. Wipe the top off with an alcohol wipe.

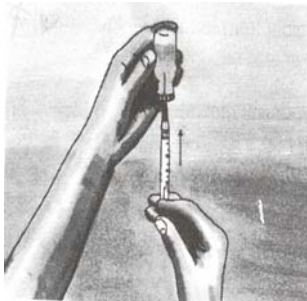
- C. Open a _____ syringe and with the cover on, pull back on the plunger to _____ ml with air.



- D. Pull the needle cover straight off. Put the needle into the top of the vial and push the air into the vial.

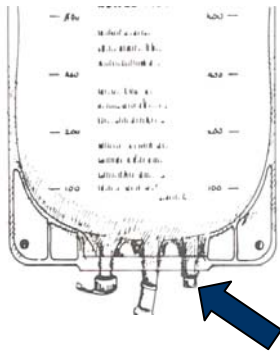


- E. Then pull the medicine from the vial by pulling down on the plunger. Remember to keep the needle below the fluid level.



- F. Once the desired amount of medicine has been removed from the vial remove the needle and check for air bubbles, tap the syringe while hold the needle upright push lightly on the plunger to remove them.

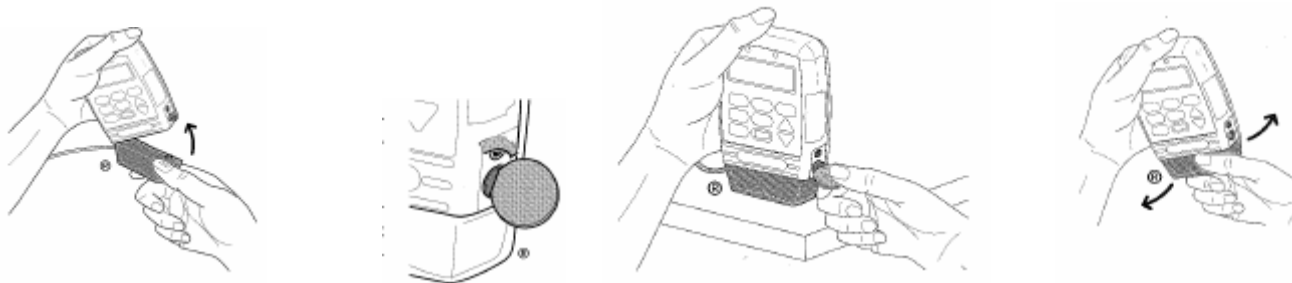
10. Clean the injection port (rubber like port) of the TPN bag with alcohol.



11. Inject (stick) the Add mixtures into the rubber like port of the TPN bag, and empty the syringe. Gently mix the contents of the bag. While you are adding the medication, if the needle comes through the TPN bag, the TPN is contaminated (dirty). **Do not** use this bag of TPN. Start over with a new bag if you have one, or call your pharmacist to deliver a new bag. You should never miss a day of your TPN unless the doctor orders a skipped day.

12. Repeat the same for all Add mixtures as directed.

13. Attaching a Pass Bar

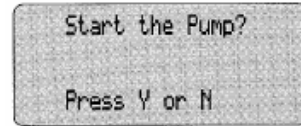
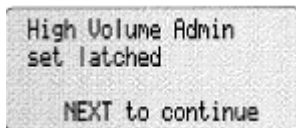


- Clamp the tubing on the new medication administration set
- Insert the cassette hooks into the hinge pins on the pump
- Place the pump upright on a firm surface. Press down so the cassette fit tightly against the pump.
- Insert a coin into the latching button, push in, and turn counter-clockwise until the mark on the latch lines up with the solid dot.



- A message will appear on the display showing the type of cassette you have latched.

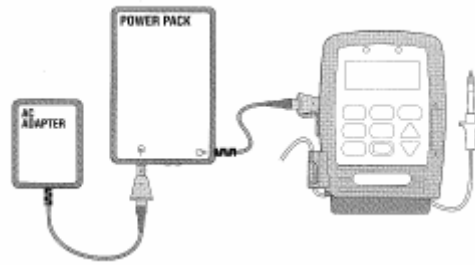
Press:



- Press NO

Using the power pack or AC adapter

The cord from the power pack or AC adapter plug directly into the “power” jack on the side of your pump.

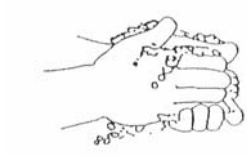


*** note a good 9 volt battery must be installed in your pump as a back up. Otherwise, you won't be able to start your pump.**

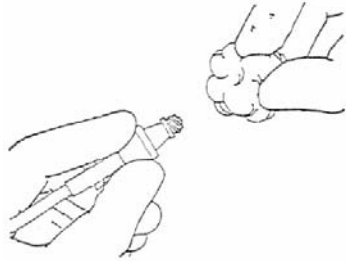
- Open the “power” cover on the side of your pump.
- Line up the red mark on the connector with the red mark on the pump's power jack.
- Push the connector forward until it stops. Do not twist or turn the connector. Pull lightly on the cord directly behind the flared part of the connector to make sure it is firmly attached.

Now you're ready to begin your infusion.

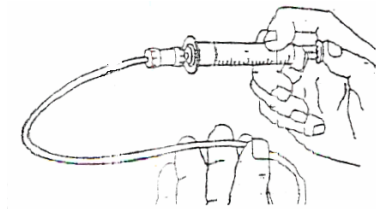
14. Wash your hands again.



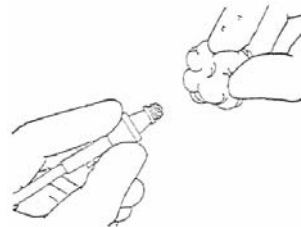
15. Clean your end cap with alcohol for 30 seconds.



16. Flush your line with _____ml of normal saline to clear the line. If you have a double lumen central venous line, your nurse will tell you which end to connect your TPN (usually the white lumen).



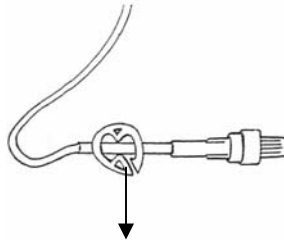
17. Clean your end cap with alcohol for 30 seconds.



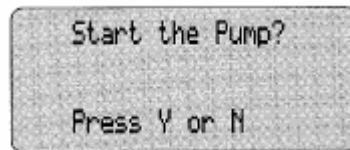
18. Connect the TPN tubing to your end cap, being careful not to touch the ends against anything. (refer to Handling Sterile supplies in your folder)



19. Open any closed clamps on the TPN tubing and on your line.

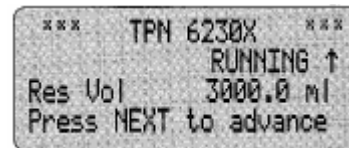
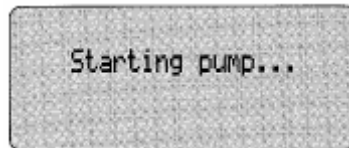


20. Starting your infusion: press the Stop/Start button.



21. Your pump says:

22. Press Y. Your pump will then display:



23. Your pump will then review the program and the pump will start your infusion.

24. Dispose of needles and syringes following the instruction sheet included in this packet.



Disconnecting you from TPN

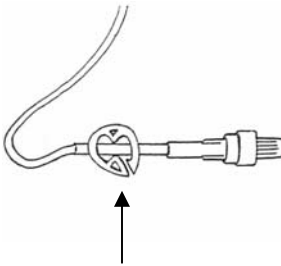
1. Wash your hands and gather your supplies prepare a clean workspace.
Wash your hands again



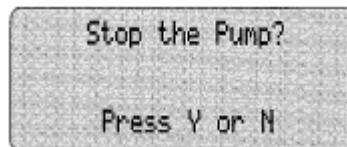
2. Stopping the pump. You will hear 9 beeps when you infusion is completed.
3. When the pump alarms telling you that the TPN infusion is complete, stop the pump by pressing the Stop-Start button.



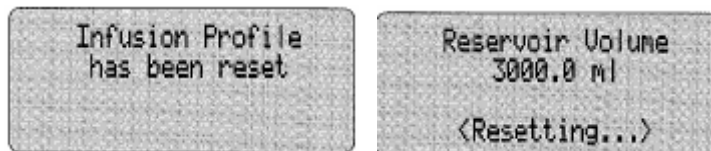
4. Close your clamp on your line.



5. Your pump says:

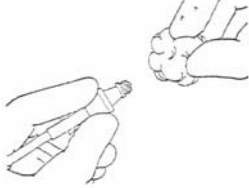


6. Press Y. Your pump will then display:

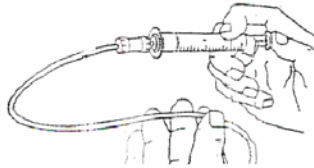


7. Clamp your line and carefully remove the TPN tubing from your line.

8. Clean the end of your line well with alcohol.



9. Carefully connect the syringe with normal saline your line.

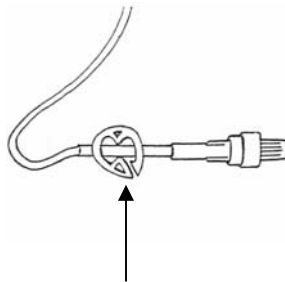


10. Unclamp your line. Flush it with _____ ml Saline.

11. Then repeat the same for heparin.

a) Flush your line with _____ unit/ml _____ ml of heparin.

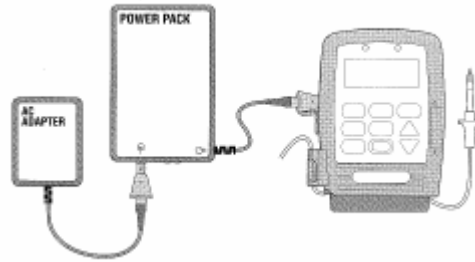
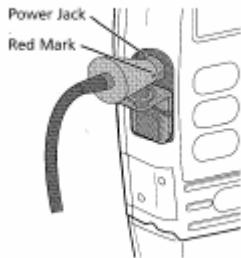
12. Clamp your line.



13. Throw away the empty TPN bag tubing and syringes in the regular trash.

Detaching the Power pack

- a) Grasp the connector
- b) Pull the connector back using a straight, steady motion. DO NOT twist or turn the connector.



14. Dispose of needles and syringes following the instruction sheet included in this packet.



Congratulations!

Helpful hints

Remember the word SASH:

S = Saline flush

A = Administer (give) TPN over the number of hours ordered

S = Saline flush after the TPN has infused

H = Heparin flush

Always remember if nothing is running through your line
clamp it!!!!

If you need to disconnect your TPN during its scheduled delivery, and you are going to continue with the same bag,

Please check with your nurse or pharmacist to make sure it is ok to do so.

- a) Sometimes stopping your infusion before it has completed its cycle can make you feel sick.
- b) If your **nurse or pharmacist** say it's ok to continue with your TPN and the end of the tubing has been protected (kept sterile) Then remember to flush your IV line with Saline and heparin if you're going to be disconnected for longer than 15 minutes.
- c) When you're going to continue flush your IV line with saline and reconnect the tubing and press Start.