



## TPN ADMINISTRATION

See instructional video by clicking below.

<https://www.landmarkinfusion.com/tpn-administration-video>

### GETTING STARTED

- Remove TPN bag from refrigerator 2-3 hours prior to use to ensure it is at room temperature. NEVER speed the warming process by heating the TPN bag.
- Use a clean work area.
- Clean your hands thoroughly.

### GATHER YOUR SUPPLIES

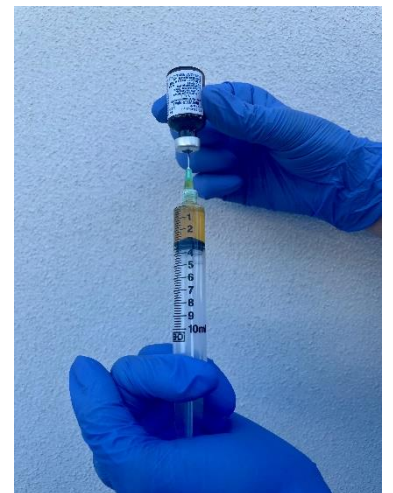
- TPN bag (will be spiked but not primed)
- Multivitamin vials, if indicated
  - Two vials (one with blue top and one with white top)
  - A syringe and needle
  - Sharps container
- Other additives. If indicated (will be pre-drawn in syringes with a free needle to attach)
- Saline syringe (white cap)
- Heparin syringe (yellow or blue cap) - not needed if TPN runs over 24 hours
- Orange swab cap
- Alcohol wipes
- Trash container
- SASH mat guide – not needed if TPN runs over 24 hours

### INSPECT THE TPN BAG

- Check label on TPN bag.
- Verify correct name of patient, correct medication.
- Review discard date of medication.
- TPN bag should be free of cracks or leaks. Call pharmacy for problems with TPN bag or incorrect label information.

### PREPARE FOR INFUSION

- Add multivitamins and any other additives to TPN just prior to hanging.
  - Fill syringe with multivitamin from vials. It is easiest to inject some air into each vial prior to filling syringe to break the vacuum in the vial. There should be 10 mL of multivitamins in the syringe total.
  - Scrub the injection port on the TPN bag with an alcohol wipe for at least 15 seconds and allow to air dry.



Irving: 8200 Tristar Drive, Suite 120  
Irving, Texas 75063

Fort Worth: 3515 NW Jim Wright Freeway  
Fort Worth, Texas 76106

Pharmacy Phone: (866) 388-3883  
Pharmacy Fax: (888) 249-3132

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- o Inject multivitamins and any other pre-drawn additives into TPN bag through injection port. Wipe injection port with an alcohol wipe between each additive.
- o Rock TPN bag slowly to mix additive throughout.
- Prepare Curlin pump
  - o Replace the batteries daily.
  - o Load TPN tubing into the pump. Follow the yellow and blue markings on pump and on tubing to place it in correctly. Ensure pump lid is flush with the pump when closed.



## PRIME YOUR IV TUBING

- Turn pump on.
- Press “YES” on program.
- Press “YES” on repeat Rx.
- Pump will automatically scroll through patient’s program and then a screen will appear with an option to prime the tube.
- Be sure the PATIENT IS **NOT** CONNECTED to the tubing and release the slide clamp on the tubing.
- Press the “PRIME” button on the bottom righthand corner of the pump.
- Hold the “PRIME” button until fluid drips out of the end of the tubing and there are no large air bubbles left in the tubing.
- Press “YES” to exit.

*\*Can turn pump off after priming if pump starts to beep due to being idle.\**



## INFUSE MEDICATION VIA SASH PROCEDURE AS DETAILED BELOW:

### 1. Flush your IV line with saline (S)

- If applicable, release the clamp on your IV catheter and/or extension.
- Remove alcohol cap from the end of your IV catheter.
- Scrub the needleless connector on your IV catheter with an alcohol wipe for at least 15 seconds and allow to air dry.
- Remove the protective cap from the saline flush syringe. DO NOT touch the syringe tip after removing the cap. Push out air and few drops of excess solution by holding syringe with the tip facing the ceiling and pushing the plunger up.



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- Attach the saline flush syringe to the needleless connector on your IV catheter using a push and clockwise twisting motion until secured together.
- Flush your IV catheter using a “push/pause” method.
- Remove and discard the saline flush syringe in a trash container.
- IF resistance is met when trying to flush, verify clamp is open. IF resistance is still met, call your nurse.

## 2. Administer Medication (A)

- Scrub the needleless connector on your IV catheter with an alcohol wipe for at least 15 seconds and allow to air dry.
- Remove the protective cap from the TPN tubing.
- Attach the TPN tubing firmly to the needleless connector on your IV catheter using a push and clockwise twisting motion until secured together.
- Press “RUN/PAUSE” when prompted to RUN to START. The green light will flash when running.  
*\*If you turned pump off after priming, you will need to go through first four steps under prime tubing again.\**
- The pump will beep when the TPN is finished infusing. If TPN runs over 24 hours, restart process. If cyclic TPN (for <24hours/day), move to step 3.
- If an error code appears, ensure all clamps are open and tubing is properly placed into pump. Please call the 24/7 pharmacy hotline if error does not resolve.

## 3. Flush your IV line with saline (S)

- Turn off pump.
- Follow step 1 above starting at the third bullet point.  
*\*Attach new TPN bag as instructed above if 24 hour infusion. If less than 24 hours, continue with Step 4.\**

## 4. Flush your line with heparin (H)

*\*will not need this step if TPN runs over 24 hours\**

- Follow step 1 above starting at the third bullet point, using heparin rather than saline.
- Attach orange Swab cap.
- Close the clamp on your IV catheter and/or extension if indicated.

### ***\*IF YOU HAVE TWO PORTS ON YOUR IV CATHETER...***

- *Make sure you flush each port at least once daily. You will need to complete the (SH) portion of the (SASH) procedure on un-used IV catheter port by flushing with saline and then heparin as indicated above.*

### ***\*\*IF YOUR TPN IS CONTINUOUS AND RUNS OVER 24 HOURS...***

- *You do not ever need to flush with heparin, you only need to flush with one saline syringe between each TPN bag.*

