NxSTAGE®

Get Ready for Home Hemodialysis

Disclaimer

NxStage® has prepared this document as a supplement to existing labeling and training materials. It is not intended to replace the NxStage System One™, Versi™HD, PureFlow™ SL, or LINX user guides or the Solo or Nocturnal supplemental user guides or the cartridge instructions for use. Patients, care partners, and providers must review and refer to the applicable user guides and cartridge instructions for use for all Instructions, warnings, and precautions.

Prior to beginning home hemodialysis, you need to complete several key tasks to ensure your home is a safe and comfortable place to conduct your treatments.

Preparing Your Home

- [ ] Decide where you'll place the dialysis equipment in your home.
- [ ] Ensure a properly grounded electrical outlet is within 6 feet of the cycler.
- [ ] Ensure a drain (sink or toilet) is within 20 feet of the designated dialysis area if using bagged dialysate, or within 40 feet if using PureFlow.
- [ ] If using LINX Water Pre-Treatment System with Pureflow SL: Identify a home location for the LINX System, consider:
  - the distance to the feed (source) water location (20 feet).
  - the length of the power cord (6 feet).
  - the length of the drain line (6 feet).
  - the distance between the LINX System and PureFlow SL.
  - The LINX Water-treated line is 40 feet
  - LINX should not be placed within six feet of the patient treatment environment.
- [ ] Take a source water sample and send it out for testing. Source water must meet certain criteria in order to allow you to use the PureFlow SL system to make dialysate and determine if LINX Water Pre-Treatment System is specified when using PureFlow SL.
- [ ] Ensure household belongings are insured.
  Circle one: homeowner's insurance renter's insurance
- [ ] If renting or leasing, determine if home hemodialysis will be allowed and resolve any restrictions.

- [ ] Ensure running water is available and dependable.
  Circle one: city water well water
- [ ] If the home uses a septic system, ensure that it will tolerate up to 60 liters (15 gallons) a day.
- [ ] Ensure a phone is available in the room where treatment will take place
  Circle one: cell phone land line internet phone
- [ ] Designate a storage space that is clean and dry, out of direct sunlight, and not subject to freezing. Space must have room to store supplies.
- [ ] Set aside funds to purchase miscellaneous items needed for home treatment (garbage bags, paper towels, etc.).
- [ ] Set up a supply cart in the room where dialysis will take place. Your dialysis center will provide you a list of supplies to keep on the cart.
- [ ] Set up equipment in the home:
  - NxStage cycler
  - Fluid detection system (cycler base)
  - Express fluid warmer (if used)
  - if used, PureFlow components and water connections
  - if used, LINX Water Pre-Treatment System.

notes

Assigning the Tasks

Deciding who will complete each of the tasks associated with home hemodialysis before you start training will make your training, transition to home, and daily treatments go more smoothly. Use the following checklist to determine how you, your care partner, and your dialysis center will divide up the tasks.

Use a pencil to complete the chart, so you can easily change your answers later if needed.

You'll revisit this checklist once you have learned more about how to perform dialysis treatment at home. Your answers may change once you know more about what is required at each task.

If you will be performing Nocturnal or Solo (independent) treatments you will have additional safety devices that you will learn how to use.

For independent home hemodialysis your center nurse will provide suggestions to set up your treatment area in a way that provides easy access to supplies and resources.

Additionally, it will be important to be prepared for medical and non-medical emergencies and be familiar with your local EMS. Providing your local EMS with information that you are performing independent HHD may be beneficial.

Set up treatment

Task	Patient	Care Partner
Set up and prime cartridge.		
Test fluid detection sensor.		
Set up and prepare warmer (if applicable); prepare warmer disposables.		
Hang dialysate bags (if applicable).		
Gather and prepare ancillary supplies and safety devices (if used).		
Draw up heparin and/or saline (if applicable).		
Document the pre-treatment assessment. If using Nx2me Connected Health with an iPad, be sure your iPad is fully charged and connected to your NxStage router.		
Remove air from blood lines and make fluid connections.		

Set up treatment, cont.

Task	Patient	Care Partner
Enter treatment settings.		
Access blood (cannulation or catheter).		
Give heparin in arterial access line (if prescribed).		
Connect arterial and venous patient lines.		
Confirm system is ready.		

Set up treatment

PureFlow Users Only

Task	Patient	Care Partner
Install and prime PAK.		
Make a batch of dialysate and check chloramines/chlorine.		

Perform treatment

Task	Patient	Care Partner
Start TREATMENT.		
Complete documentation on the center treatment record or on the iPad using the Nx2me app. This includes vital signs, assessment, and post-treatment information.		
Give medications as prescribed.		
Respond to alarms.		

End treatment

Task	Patient	Care Partner
End TREATMENT and rinse back blood.		
Remove fistula needles or complete catheter care (if you have a CVC access).		
Discard disposables and clean equipment.		
If using Nx2me, complete the post-treatment assessment and confirm flowsheet.		

Additional Tasks	Patient	Care Partner	Dialysis Center
Routinely			
Draw labs according to dialysis center schedule.			
Restock supply cart.			
Clean and/or disinfect equipment and treatment area.			
Initially & Yearly			
Take product water sample.			
Monthly			
Supply inventory to NxStage.			
Flush the PureFlow drain line using bleach or the drain line cleaning kit as directed.			
Clean blood leak detector.			
Quarterly			
Take dialysate cultures and test for endotoxins.			
Clean the air filter on the back of the cycler.			
Yearly			
Change sediment filter.			
Perform conductivity preventative maintenance procedure.			

	Patient	Care Partner	Dialysis Center
As needed			
Manage equipment replacements (PureFlow Control Unit, Cycler, Warmer).			
Reprogram settings (for example, Cycler or PureFlow control unit for SAK type).			
Replace LINX DI cells.			
Call NxStage Technical Support for questions or issues.			
Call customer service to discuss/arrange for travel inventory.			
Call dialysis center (RN/MD) or emergency personnel as required for providing information or obtaining help.			

This page intentionally left blank

© 2021 NxStage Medical, Inc. This document is not intended to replace the NxStage System One or PureFlow SL User Guides or the Solo or Nocturnal supplemental user guides or the Cartridge In-structions for Use and does not include all of the information necessary to use the system safely and effectively. Patients, partners, and providers should review and refer to the System One and PureFlow SL User Guides and the Solo and Nocturnal supplemental user guides and the Cartridge Instructions for Use for complete information including all warnings and precautions. NxStage is a registered trade-mark of NxStage Medical, Inc. PureFlow and System One are trademarks of NxStage Medical, Inc. CAUTION: Federal law restricts this device to sale by or on the order of a physician. TM0465, Rev E1 2023-09

NxSTAGE®