



versio[®]HD

Nurse Guide Supplement





Nurse guide introduction

This nurse guide is a supplement to the existing **NxSTEPS® Nurse Guide**. It is not intended to replace the current nurse guide, which provides much of the needed information and materials to train the patient for home hemodialysis.

This supplement nurse guide describes the use of the VersiHD. It is intended to be used along with the **Training Flipbook for VersiHD**, the **NxSTEPS VersiHD Reference Guide** (patient quick reference guide), and the **NxSTEPS User Guide**.

In addition, if VersiHD will be used for Nocturnal Home Hemodialysis or Solo Home Hemodialysis, refer to the supplemental user guides and training materials created specifically for those therapy options.

How to use this nurse guide

The **VersiHD Nurse Guide** should be used along with the current **NxSTEPS Nurse Guide**.

This guide provides the teaching curriculum that is specific to the use of the VersiHD cyclor and is somewhat different from the System One™. When training patients on the VersiHD cyclor, use these topics in this nurse guide:

- Using the VersiHD Cyclor
- Interpret your Prescription
- Troubleshooting Alarms (new content)

Continue to use the current **NxSTEPS Nurse Guide** for the following topics when training your home hemodialysis patients:

- Get Ready for Training
- Keep it Clean
- Access Your Blood
- Interpret Your Prescription
- Create and Maintain PureFlow
- Troubleshooting Alarms
- Manage Medical Complications
- Plan for Success

Goals:

The patient should be able to:

- Identify the control panel as a “touchscreen” where the user taps or presses the icons to set and adjust the treatment parameters.
- Input the dialysis prescription data into the cycler.
- Update the cycler system settings appropriately.
- Identify the components of the cycler.
- Understand and effectively use the Blood Pump Only Mode option for troubleshooting the fluid balance system red alarms.
- Perform a safe dialysis treatment at home.
- Perform the Blood Pump Only Mode option for troubleshooting the fluid circuit pressure red alarms.

Requirements:

The patient demonstrates the ability to safely operate the VersiHD cycler and perform their prescribed treatment in the home.

Resources and supplies:

User Guides:

- ***VersiHD User Guide*** software version 4.13 and 4.14
- ***Express Fluid Warmer User Guide***
- ***PureFlow™ SL User Guide***
- ***Fluid Detection System User Guide***
- ***Jewel Box and ConNxBox™ Computer Removal and Installation Instructions***
- ***CAR-170 or CAR-172 Instructions for Use***
- ***LINX® User Guide*** (if used)
- ***Nx2me Connected Health® Nx2me® App and iPad Users Guide*** (if used)

Training Materials:

- ***Training Flipbook for VersiHD*** (TM1188)
- ***NxSTEPS VersiHD Reference Guide*** (TM1184)
- ***Learner’s Training Skills Checklist*** (TM0518)
- ***NxSTEPS Nurse Guide*** (TM0679)
- ***Nurses Guide for System Settings*** (TM1061)

VersiHD cycler, PureFlow SL (if used) and the following disposables:

- Normal saline, 1L
- CAR-170 or CAR-172
- Two (2) 10 mL luer lock syringes
- One (1) 20 mL luer lock syringe
- Alcohol pads
- Anticoagulant, if prescribed
- Antiseptic agent/cleaning solution
- Prescribed dialysate source and disposables
- Express Fluid Warmer
- Warmer disposable set
- Waste line extension
- Cleaning and disinfecting supplies
- Blood sampling supplies
- Chloramine testing supplies
- Ancillary supplies for Nocturnal HHD or Solo HHD, if performing either therapy option.

Evaluation and documentation:

The patient training checklist is completed and the patient demonstrates the ability to safely perform treatments at home.

Topic	Additional Note to Educator	Do or Explain
Using the VersiHD Cyclor		
Introduction (Chapter 1)	Refer to the <i>VersiHD User Guide</i>. Warnings and precautions are located at the beginning of each chapter and additionally throughout the user guide. The patient needs to be familiar with the conventions and the glossary of terms in the user guide when using the cyclor.	Have the patient review all general warnings and precautions in the “Introduction” section of the user guide. Show the patient the pictures, icons and terms used in the user guide.
Overview of Dialysis (Chapter 2)	Refer to the <i>VersiHD User Guide</i>.	Have the patient read “An introduction to dialysis” in the Overview chapter of the user guide. This provides an introduction to how dialysis works, important aspects of dialysis, the parts that make up the system, and how they work together.
The System	Refer to the following: ▪ <i>NxSTEPS Nurse Guide</i> ▪ <i>VersiHD User Guide</i> ▪ <i>Training Flipbook for VersiHD</i> Teach patients using Nx2me the importance of the ConNxBox and connectivity at home. ▪ If the cyclor is swapped, the patient’s must remove the ConNxBox from the back of their current cyclor and install it on the new cyclor. ▪ The ConNxBox is the communication/connectivity link between the cyclor and the Nx2me app and iPad.	Describe the name and functions of the cyclor components. Use the illustrations of: ▪ The cyclor ▪ The cartridge and dialyzer ▪ The control panel ▪ The dialysate fluids ▪ The ConNxBox

Topic	Additional Note to Educator	Do or Explain
Control Panel	Refer to the “Control panel” section in the Overview chapter of the VersiHD User Guide .	Explain that the control panel is a touchscreen, a display that is also an input device. The patient taps or presses the icons on the control panel to set and adjust the treatment parameters. This is similar to an iPhone, iPad, or other tablets the patient may be familiar with. Show the patient the picture of the control panel and the various status bars, windows, rate and volume arrows, icons. Explain the functions associated with them. These are important to know for entering treatment information and monitoring the treatment.
Treatment Icons	The treatment icons allow the patient to perform and adjust their treatment.	Show the patient the list of icons in “Table 2-1: Touchscreen icons” in the user guide. Review the function of each icon with the patient. Emphasize that the icons light up when they are available for use. When the pumps are running, STOP is always available for use. Show the patient how to distinguish lit from grayed out icons.
Rate and Volume screens	The volume screen returns automatically to the rate screen after a time based on the cyclor software version and your system settings. The default time is 50 sec. Review the System Settings chapter of the VersiHD User Guide.	Explain how the rate and volume screens work. The rate screen is the home screen for the VersiHD cyclor. When the cyclor is turned on, the rate screen appears. When the rate screen is active, the windows show the rate (speed) of the fluid pumps. Tap the VOLUME TOGGLE to switch the control panel to the volume view. When the volume screen is active, the bottom blood flow window shows VOL and the windows show the fluid volume remaining.
Pump On Indicators	Review the Pump On indicator pictures in the Overview chapter of the VersiHD User Guide .	Explain the Pump On indicators. These symbols are located on the left side of each rate and volume window. The motion of the arrow indicates that the pumps are running during treatment or automated rinseback.
Help Icon	Tapping the HELP icon shows the name of the active yellow caution or red alarm.	Explain that tapping the Help icon (book picture) in the left upper corner of the control panel shows the name of the caution or alarm. The patient can use this information to locate the caution or alarm in the user guide and follow the instructions to resolve an alarm or acknowledge the information of a caution.

Topic	Additional Note to Educator	Do or Explain
Power Indicator Light	When the cyclor is powered on this indicator light is lit.	The indicator light shows that power is being supplied to the cyclor. If the patient powers on the cyclor and the indicator light is not lit, call NxStage Technical Support.
Screen Lock Control	During treatment, the patient should lock the touchscreen when finished using the control panel. Locking the screen prevents accidental changes to treatment parameters. When the screen is locked, it can be cleaned during treatment, if needed. If an alarm occurs, the screen will automatically unlock. The screen lock will NOT function when: ▪ There is an active red alarm or yellow caution that requires action. ▪ When using the HELP icon. Review the “Screen lock control,” section in the Overview chapter of the VersiHD User Guide. Show the patient the picture of the unlock screen.	Explain the purpose of the control panel screen locking. The screen lock is active, meaning the screen can be locked, when all the following conditions are met: ▪ There are no active alarms. ▪ No help/troubleshooting information is displayed. ▪ The cyclor is in one of the following modes: Prime, Patient Connect, Therapy, Rinseback, and Post-Rinseback Show the patient how to lock the screen: 1. Press and hold the LOCK SCREEN icon for two seconds. Be sure the patient understands that: ▪ If no icons are pressed for 60 seconds, the screen locks automatically. ▪ When the screen is locked, the cyclor shows a lock message. ▪ None of the icons are available to use, except STOP. ▪ Pressing the STOP icon stops the blood pump and leaves the screen locked. Show the patient how to unlock the screen: 1. Touch any icon while the screen is locked except STOP. 2. When the unlock screen appears, have the patient confirm that they recognize the unlock sequence on the screen. 3. Enter the unlock code (1-2-3) as the numbers light up on the screen. » When the patient taps the number, a green check mark appears.

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Cartridge	Review the following: ▪ The cartridge pictures in the Overview chapter of the VersiHD User Guide ▪ The “Cycler and components” section of the NxSTEPS Nurse Guide ▪ Training Flipbook for VersiHD For the CAR-124: ▪ “How do I use the CAR-124” Quick Reference Guide ▪ The instructions for use for the CAR-124 and dialyzer the patient uses For the CAR-172: If the heparin infusion line is not used during treatment, the patient must close the clamp and the securely cap the heparin line to prevent blood leaking.	In the user guide show the patient the illustrations of the two commonly used cartridges. Describe the components of the cartridge that the patient will use. In the flipbook show the patient the blood and fluid pathways. Use a sample cartridge to describe the cartridge components and their functions. Point out the labeled components in the user guide and flipbook. For patients using the CAR-172, identify the following components on that cartridge: ▪ The venous and arterial needleless access ports ▪ The heparin Infusion line For patients using the CAR-124, review the cartridge components.
Other associated components: The Fluid Detection System	Refer to the following: ▪ Fluid Detection System User Guide ▪ Training Flipbook for VersiHD ▪ NxSTEPS VersiHD Reference Guide If the patient fails to test the alarm before each treatment, a fluid leak may go undetected. Both Nocturnal HHD and Solo HHD require the patient to use the extended cycler base with the fluid detection system.	In the Fluid Detection System User Guide, review the general warnings and precautions. Explain the purpose of the system and describe the components of the system. Make sure the patient understands the importance of inspecting the parts to make sure they are not missing or damaged. Stress the importance of testing the sensor alarm before each treatment. Patients performing either Nocturnal HHD or Solo HHD must use the fluid detection system and the extended cycler base with the new (plastic) filter holder. In the Fluid Detection System User Guide: ▪ Review the “Alarms” section. Make sure that the patient understands the probable cause and actions to address the alarms. ▪ Explain to the patient how to clean, disinfect and travel with the fluid detection system.

Topic	Additional Note to Educator	Do or Explain
The Express Fluid Warmer	Refer to the <i>NxStage Express Fluid Warmer User Guide</i>. The fluid warmer and the disposable set warm the dialysate prior to administration. Within 30-60 minutes of pre-heating, depending on the room temperature and the comfort setting, dialysate at an initial temperature of 15 °C can be heated to a desired comfort level, up to 38 °C. To ensure that the self-test completes successfully, unplug the fluid warmer after each treatment. If the warmer is already plugged in and in Standby Mode, pressing the UP arrow starts the warming process but bypasses the self-test.	Review the “General Warnings and Precautions” section in the <i>NxStage Express Fluid Warmer User Guide</i>. Explain the purpose of the system and describe the components of the system and their functions. Tell the patient that the installation portion of the training will show how to assemble the warmer onto the cyclor. Describe how the dialysate fluid is warmed as it is administered. Show the patient the components of the Express Fluid Warmer disposable. Explain that the warmer disposable carries the dialysate from the hanging bags, to the warmed dialysate bag, and then passes the dialysate to the cartridge. In the <i>NxStage Express Fluid Warmer User Guide</i>: ▪ Review the “Troubleshooting and Alarms” section. Tell the patient that they will be taught to identify and resolve warmer alarms. ▪ Have the patient read the “Maintenance” section.
Dialysate	Make sure the dialysate matches the patient’s prescription. Dialysate source can be either: ▪ Premixed bags ▪ NxStage PureFlow SL For patients using the PureFlow SL, refer to the following: ▪ <i>PureFlow™ SL User Guide</i> ▪ “Create and Maintain PureFlow” section of the <i>NxSTEPS Nurse Guide</i> ▪ <i>Training Flipbook for VersiHD</i> ▪ <i>NxSTEPS VersiHD Reference Guide</i> ▪ <i>Using PureFlow SL</i> video	Use the patient’s dialysate solution source to teach the patient how to verify: ▪ SAK, bag, or box product number ▪ Correct composition (potassium, lactate, chloride, calcium) ▪ Lot number ▪ Expiration date If using the PureFlow SL, instruct the patient how to use and maintain the equipment. Teach the patient that the prescription written by their doctor includes the following: ▪ The type of dialysate to use ▪ The volume of dialysate to use ▪ How much dialysis time per week is best for them.

Topic	Additional Note to Educator	Do or Explain
Prepare for Use Unpacking and set-up (Chapter 3)	Refer to the following: ▪ “Prepare for Treatment” section of the NxSTEPS Nurse Guide ▪ “Install the equipment” section of the NxSTEPS Nurse Guide ▪ VersiHD User Guide Use the specific user guide for each piece of equipment for the unpacking and setup instructions.	Have the patient read the warnings and precautions in the Preparing for Use chapter of the VersiHD User Guide. Discuss with the patient: ▪ The importance of performing treatments in an area that is safe, secure, organized, clean and well-lit. ▪ The minimum requirements for a safe treatment area, as listed in the user guide. Show the patient how to set-up the NxStage equipment that they will use for their treatments at home.
System Settings	Refer to the following: ▪ VersiHD User Guide ▪ Nurses Guide for System Settings (TM1061) ▪ Customer Communication Letter (Comm0506 Rev. C) When the doctor or center changes the prescribed treatment parameters in the treatment plan, system settings is may be changed. For Nocturnal HHD: Some system settings may need to be adjusted. Refer to the Nurses Guide for System Settings (TM1061) for the recommended settings.	Review the System Settings chapter in the VersiHD User Guide. On page 3 of the Customer Communication Letter (Comm0506 Rev. C), fill out the “System Settings” section for the patient’s prescription. Demonstrate how to get to the System Settings Mode on the cyclor. Use the step-by-step instructions in the “Changing system settings” section of the VersiHD User Guide. Explain to the patient the importance of checking all of the system settings when in System Settings Mode. The patient should consistently follow these steps: 1. After updating the Parameter Number 0 (Cartridge Type) setting, tap the arrow buttons in the top window to scroll through all system settings to confirm that they are correct. 2. Turn the cyclor off and then on again to save the desired settings. Note: Failure to follow the above steps may cause a set-up error when you turn the cyclor on.

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Preparing for Treatment Overview	Refer to the following: ▪ Hemodialysis chapter in the VersiHD User Guide ▪ “Pre-TREATMENT Documentation and Important Reminders” section of the NxSTEPS Nurse Guide ▪ NxSTEPS VersiHD Reference Guide	Have the patient read the following in the Hemodialysis chapter in the VersiHD User Guide: ▪ The “Overview” section, which explains the basic principles of hemodialysis and ultrafiltration. ▪ The warnings and precautions.
Prepare for Treatment Documentation	Note: When training the patient to use Nx2me, refer to the section in the NxSTEPS Nurse Guide. Also refer to the following: ▪ Nx2me App and iPad Users Guide ▪ The specific connectivity user guide for the patient’s home network In the NxRx®/Nx2me Launchpad: ▪ Nx2me App and Connectivity Patient Training Outline (TM0932) ▪ Nx2me App and Connectivity Patient Training PowerPoint (TM0927).	Locate the section “How do I determine my treatment dose?” in the NxSTEPS VersiHD Reference Guide. Show the patient how to document their pre-treatment assessment information on the treatment record or flowsheet. For patients using Nx2me, have them enter their pre-treatment assessment information in the Nx2me App on their iPad.
Setting up for Treatment	When the patient demonstrates proficiency with the entire setup and treatment process, review the Cycler Treatment Checklist (TM0673).	Refer to the section “How do I use the cycler,” in the NxSTEPS VersiHD Reference Guide. Gather the necessary treatment supplies. Help the patient locate the list of supplies in the NxSTEPS VersiHD Reference Guide.

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Performing Treatment	Refer to the following resources: ▪ <i>VersiHD User Guide</i> ▪ <i>NxSTEPS VersiHD Reference Guide</i> ▪ “Prepare for Treatment/ Interpret Your Prescription” section of the <i>Training Flipbook for VersiHD</i> Use the Dosing Calculator to calculate the patient’s therapy prescription options.	Demonstrate how to set up for treatment. Assure the patient that during the training period they will practice preparing, setting up, and performing their treatment. Show the patient the steps in the <i>VersiHD User Guide</i> and the <i>NxSTEPS VersiHD Reference Guide</i> that they use when doing a treatment at home. This includes the following: ▪ “Gathering supplies” ▪ “Using aseptic technique” ▪ “Powering on the cyclor and passing the self-test” ▪ “Loading and priming the cartridge” ▪ “Preparing the dialysate source” ▪ “Acknowledging end of prime and alarms test” ▪ “Observe for and remove air from the cartridge,” if needed ▪ “Make cartridge connections” ▪ “Enter treatment information” ▪ “Prepare and connect to the vascular access” ▪ “Perform and monitor treatment” ▪ “Correctly respond to cautions and alarms” ▪ “Understand how to prevent and manage medical complications” ▪ “End treatment and rinseback blood” ▪ “Remove disposables” ▪ “Perform common procedures,” when needed

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Determining UF Volume and UF rate	Clinical evidence suggests the UF rate should not exceed 10mg/Kg/hr. Note: Even a moderate fluid removal rate during an individual hemodialysis session is associated with decreased patient survival. Refer to the Nurse Guide for System Settings. Setting 80 can be set to a maximum UF rate so that the patient cannot exceed the recommended UF rate for the treatment.	Use the Dosing Calculator to get several prescription options for the patient. Discuss the appropriate treatment frequency, volume, and UF parameters for the patient's treatment. Use the NxSTEPS VersiHD Reference Guide to help the patient write in their vital signs ranges, dry weight parameters, UF volume, and rate parameters. Explain that accurately calculating the UF volume and rate to be removed during each treatment is important. Show the patient how to determine the UF rate for each treatment. Emphasize the importance of not removing UF fluid too quickly and preventing potential hypotension and cardiac stunning. Discuss when to call the center for instructions if the patient's UF volume or rate exceeds the recommended maximum.
End Treatment	The patient can end the treatment early, before the targets are met, if required. To end treatment early, press and hold the STOP icon for two seconds. This assures a quick transition to rinseback without requiring an emergency rinseback.	Explain that treatment automatically ends when the following conditions are met: ▪ The prescribed volume of treatment has been delivered. ▪ The prescribed ultrafiltration has been removed. ▪ All alarm conditions are cleared. Use the NxSTEPS Nurse Guide and the VersiHD User Guide to teach the patient how to confirm end of treatment and perform an automated rinseback. The patient should understand that ending treatment early is not recommended.
Post Treatment Documentation and Reminders		Show the patient how to record treatment information and post-treatment assessment information on their flowsheet. For patients using the Nx2me App, show them how to do the following: ▪ Complete their post-treatment assessment ▪ Confirm the flowsheet ▪ Send the flowsheet

Topic	Additional Note to Educator	Do or Explain
Treatment Wrap-up Dispose of Used Supplies	Refer to the following: ▪ <i>VersiHD User Guide</i> ▪ <i>NxSTEPS Nurse Guide</i>	Teach the patient how to dispose of used treatment supplies and how to correctly clean and disinfect the NxStage equipment.
Common Procedures	Some important procedures are done less frequently by the patient at home. To maintain the patient's skills, practice these procedures at regular times, such as at the monthly clinic visit or during a home visit.	Teach the patient how to locate and read the sections on common procedures in the following: ▪ <i>VersiHD User Guide</i> ▪ <i>NxSTEPS VersiHD Reference Guide</i> Allow the patient to practice these common procedures during training.
Troubleshooting (Chapter 5)	Refer to the following: ▪ <i>VersiHD User Guide</i> ▪ <i>NxSTEPS Nurse Guide</i> ▪ <i>Training Flipbook for VersiHD</i> ▪ <i>NxSTEPS VersiHD Reference Guide</i> Focus specifically on the warnings that pertain to the risk of blood clotting and delivering a manual fluid bolus. Refer to troubleshooting sections/chapters in the user guides for the equipment that the patient will use: ▪ <i>Express Fluid Warmer User Guide</i> ▪ <i>PureFlow™ SL User Guide</i> ▪ <i>Fluid Detection System User Guide</i>	In the <i>VersiHD User Guide</i> , ask the patient to: ▪ Locate the Troubleshooting chapter. ▪ Review the warnings and precautions. Explain that the patient will learn and practice the common troubleshooting procedures: ▪ “Manual fluid bolus” ▪ “Automated rinseback” ▪ “Clotting in the dialyzer or blood circuit” ▪ “Checking dialyzer for clotting” ▪ “Alarm system overview” ▪ “Standard response to red alarms” ▪ “Overview of safety and control systems” ▪ “Alarm types” ▪ “Alarm and caution priorities”

Topic	Additional Note to Educator	Do or Explain
Understanding the Troubleshooting Process	The user guide follows a process. When the alarm is displayed, the patient recognizes the alarm visually and audibly. After the user identifies the cause of the alarm under the “Check For” section, they proceed to the “Do” instructions. Do not continue to look for additional causes.	Explain the normal red alarm response, alarm priorities, and the alarm types. Help the patient understand the probable cause or location of the alarm and how it relates to the safety and control systems in the cyclor and cartridge. Discuss the troubleshooting process. Identify the priority of the specific alarm. Have the patient identify the alarm number, find the alarm in the user guide, and follow the instructions to resolve the alarm. Explain how to follow the “Check For” and “Do” sequence to resolve the alarm.
Recognize When an Alarm Condition May Require Additional Time to Resolve	Determine a reasonable number of consecutive times (2-3) that a patient may experience an alarm before they rinseback their blood, rather than continue treatment and risk the blood circuit clotting. Make sure the patient understands the potential result of blood loss: ▪ The cartridge blood volume is 191 mL. ▪ Some patients may be adversely affected by even a single cartridge of blood lost.	Discuss with the patient an appropriate number of times for repetitive alarms to occur. Decide when the patient should end the treatment and rinseback. Instruct the patient about the importance of reporting blood loss and any significant symptoms related to blood loss to their center.

Topic	Additional Note to Educator	Do or Explain
Resolving a Balance Chamber Red Alarm and Return to Treatment Mode	For red alarms 35, 37, 38 & 39 a yellow caution 9 can occur after pressing the STOP icon. 1. Press the STOP icon to clear the red alarm. » Yellow caution 9 may appear. This indicates high pressure recovery. » Do not press STOP. 2. Press the TREATMENT icon. » When the high pressure recovery is complete, the yellow caution 9 disappears. » Treatment and all the pumps resume. » Red alarm 37, 38 may recur a few times after the yellow caution 9 disappears, if the pressure remains high. Repeat the steps above to fix the alarm condition.	Show the patient how to resolve the balance chamber alarm and return to Treatment Mode. Have the patient demonstrate the response for a balance chamber alarm and resume treatment. Make sure the patient understands the alarm response sequence and successfully returns to treatment.

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Alarm Condition Requires Additional Time to Resolve and Enters “Blood Pump Only” Operation	If the patient needs more time to resolve the alarm, Blood Pump Only Mode is available. This mode keeps the blood pump running at the prescribed rate to prevent clotting of the blood circuit. Clotting can lead to potential complications such as: ▪ A blood clot being released into the patient’s bloodstream resulting in a blockage (thromboembolism). ▪ Sustained high pressures in the blood circuit resulting in a dialyzer blood leak or hemolysis. The potential for clotting increases every time the blood flow stops, after multiple alarms, and with prolonged alarm recovery times. The option to enter Blood Pump Only Mode has always been available when troubleshooting. Teaching this troubleshooting technique to the patient may help reduce alarm anxiety. This mode allows the patient more time to think through the alarm and respond properly. Using this mode can help prevent clotting and/or blood loss due to repeated alarms in the fluid circuit.	Demonstrate how Blood Pump Only Mode allows more time to resolve the alarm and minimizes the potential risk of the blood circuit clotting. Practice this scenario: The patient cannot fix the cause of the alarm and needs more time to resolve the cause. 1. Press and hold the STOP icon for two seconds. » The blood pump starts to run at the treatment rate. 2. Explain that the Blood Pump Only Mode is beneficial because the blood keeps moving in the circuit, which reduces the risk of clotting. 3. After the patient resolves the alarm, press the TREATMENT icon to return the cyclor to return to Treatment Mode.

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Alarm Condition is Not Resolvable: End Treatment and Rinseback Blood	If the patient cannot resolve the alarm, they should end the treatment and rinseback the blood. To end Treatment Mode: 1. Press and hold the STOP icon for two seconds. If the UF goal was met and additional fluid is administered through rinseback, the middle window (ultrafiltration) counts up to show the amount of extra fluid given to the patient. If the patient received extra fluid from a manual saline bolus or addition rinseback volume, the post-treatment weight can be higher than expected. That extra fluid may be removed at the patient's next dialysis treatment.	Show the patient how to end the treatment and rinseback their blood when several attempts to resolve the red alarm are unsuccessful. Follow the instructions in the VersiHD User Guide to end the treatment and rinseback the blood. 1. After the yellow caution 9 appears, press the TREATMENT icon to resume treatment. 2. Press the STOP icon. 3. Press the STOP icon again to enter Rinseback Mode. 4. Press the ADD FLUID icon to begin Rinseback. 5. Observe the blood lines. They should be cleared of blood. 6. If more saline is needed to return all of the blood, press the ADD FLUID icon again.
Power Events	Refer to the “General events” section in the Troubleshooting chapter of the VersiHD User Guide. These are the general power issues that may occur: ▪ The cyclor will not turn on. ▪ The power on indicator light is lit green, but the screen is blank. ▪ Continuous beep with nothing on the screen.	Locate the “General events” section in the Troubleshooting chapter of the VersiHD User Guide. Discuss the probable causes and actions required for each of the power-related issues. Tell the patient to call NxStage Technical Support if they cannot resolve the issue.



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Outside these geographies, contact your local distribution partner.

This document is not intended to replace the VersiHD, NxStage System One or PureFlow SL User Guides or Cartridge Instructions 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 Cartridge Instructions for Use for complete information including all warnings and precautions.

CAUTION: Federal law restricts this device to sale by or on the order of a physician.