

# Xcela™ PICC with PASV™ Valve Technology

## A Patient's Guide



**Xcela™ PICC with PASV™ Valve Technology**

**TRAVEL CARD**

Support for this product and other Navilyst Medical vascular access products is available by calling the Navilyst Medical Vascular Access Information Line 800.513.6876

### WARNINGS:

- Failure to warm contrast media to body temperature prior to power injection may result in catheter failure.
- Failure to ensure patency of the catheter prior to power injection studies may result in catheter failure.
- Power injector's pressure limiting (safety cut-off) feature may not prevent over-pressurization of occluded catheter.
- Exceeding the maximum allowable flow rate noted on the catheter may result in catheter failure and/or catheter tip displacement.
- Catheter indication for power injection of contrast media implies the catheter's ability to withstand this procedure, but does not imply appropriateness of the procedure for a particular patient. A trained clinician is responsible for evaluating the health status of a patient as it pertains to a power injection procedure.
- The maximum pressure of power injectors used with the power injectable PICC must not exceed 325 psi.
- For triple lumen catheters, only the purple lumen is for power injection. Do not use lumen marked "No CT" for power injection of contrast media as it may result in catheter damage or patient injury.
- For the non-valved Xcela Hybrid PICC with PASV Valve Technology, Central Venous Pressure (CVP) Monitoring should always be used in conjunction with other patient assessment metrics when evaluating cardiac function.

**Precaution:** It is recommended that institutional protocols be considered for all aspects of catheter use. The Xcela PICC with PASV Valve Technology catheter testing included 10 power injection cycles.



Navilyst Medical, Inc.  
26 Forest Street  
Marlborough, MA 01752  
[www.navilystmedical.com](http://www.navilystmedical.com)

For more information, call  
800.833.9973 in the United States  
800.268.0184 in Canada

© 2011 Navilyst Medical, Inc., or its affiliates.  
All rights reserved.

NAVPE160NA / 09/11  
14655750-01A

Persons depicted in this brochure  
are models and included for  
illustrative purposes only.



Information about your  
Xcela™ PICC with PASV™  
Valve Technology is  
available by calling the  
Navilyst Medical Vascular  
Access Information Line  
800.513.6876

Xcela, PASV and Navilyst Medical are trademarks and/or registered trademarks of Navilyst Medical, Inc.

**XCELA™ PICC WITH PASV™ VALVE TECHNOLOGY**

**INTENDED USE/INDICATIONS FOR USE:** The Xcela PICC with PASV Valve Technology is indicated for short or long-term peripheral access to the central venous system for intravenous therapy, including but not limited to, the administration of fluids, medications and nutrients; the sampling of blood; and for power injection of contrast media. The non-valved lumen on the Xcela Hybrid PICC is indicated for central venous pressure monitoring.

**CONTRAINDICATIONS:** Venous thrombosis in any portion of the vein to be catheterized. Conditions that impede venous return from the extremity such as paralysis or lymphedema after mastectomy. Orthopedic or neurological conditions affecting the extremity. Anticipation or presence of dialysis grafts or other intraluminal devices. Hypercoagulopathy unless considerations are made to place the patient on anticoagulation therapy. Pre-existing skin surface or subsurface infection at or near the proposed catheter insertion site. Anatomical distortion of the veins from surgery, injury or trauma. Inadequate antecubital veins. Anatomical irregularities (structural or vascular) which may compromise catheter insertion or catheter care procedures.

**WARNINGS:** Due to the risk of exposure to bloodborne pathogens, care providers must adhere to guidelines for universal blood and bodily fluid precautions in the care of all patients. Sterile technique must be strictly adhered to during any handling of the device. Contents are supplied sterile by EO for single patient use only. Do not use if sterile barrier is damaged. Do not use if product has been damaged. Do not reuse, reprocess or resterilize, to do so may compromise device integrity and/or lead to device failure which in turn may result in patient injury, illness or death; and may also create a risk of contamination, patient infection or cross infection which may lead to injury, illness or death of the patient. Do not place the catheter into the right atrium or the right ventricle of the heart. Do not attempt to trim the catheter with the guidewire or stylet loaded as catheter, stylet, or guidewire may become damaged resulting in patient injury. Failure to warm contrast media to body temperature prior to power injection may result in catheter failure. Failure to ensure patency of the catheter prior to power injection studies may result in catheter failure. Power injector's pressure limiting (safety cut-off) feature may not prevent over-pressurization of occluded catheter. Exceeding the maximum allowable flow rate (per the Directions for Use) may result in catheter failure and/or catheter tip displacement. Catheter indication for power injection of contrast media implies the catheter's ability to withstand this procedure, but does not imply appropriateness of this procedure for a particular patient. A trained clinician is responsible for evaluating the health status of a patient as it pertains to a power injection procedure. The maximum pressure of power injectors used with the Xcela PICC with PASV Valve Technology must not exceed 325 psi. Exceeding maximum allowable flow rate may result in catheter failure and/or catheter tip displacement. For triple lumen catheters, only the purple lumen is for power injection. Do not use lumen marked "No CT" for power injection of contrast media as it may result in catheter damage or patient injury. Central Venous Pressure (CVP) Monitoring should always be used in conjunction with other patient assessment metrics when evaluating cardiac function.

**PRECAUTIONS:** Do not insert the stiff end of the floppy-tipped guidewire into the vein. Acetone and polyethylene glycol-containing ointments should not be used with polyurethane catheters, as these may cause failure of the device. Following institutional policy, secure catheter externally to prevent catheter movement, migration, damage, kinking or occlusion. It is recommended that institutional protocols be considered for all aspects of catheter use consistent with the instructions provided herein including flushing of occluded catheters and power injection. The Xcela PICC with PASV Valve Technology catheter testing included 10 power injection cycles. Use of a needle to access the catheter is not recommended. However, if a needle is used, do not use a needle longer than 1.9 cm as it may cause damage to the valve. Do not reinsert stylet into catheter, as damage to valve, catheter and vein may result. If a needleless connector is attached to catheter hub, first ensure that it will sustain power injection. When inserting a triple lumen catheter, the power injectable lumen must be used for guidewire/stylet placement.

Refer to Directions for Use provided with the product for complete instructions, warnings and precautions.

**CAUTION:** Federal Law (USA) restricts this device to sale by or on the order of a physician.

TRAVEL CARD

Always carry your Xcela™ PICC with PASV™ Valve Technology Travel Card with you.

This card has important information about your catheter that healthcare providers will need to care for you.

Fill out your personal information in the areas provided. Your Travel Card is conveniently sized to fit in a wallet.



26 Forest Street  
Marlborough, MA 01752  
Customer Service: 800.833.9973

PATIENT NAME: \_\_\_\_\_

TELEPHONE: (W) \_\_\_\_\_ (H) \_\_\_\_\_

EMERGENCY CONTACT: \_\_\_\_\_

TELEPHONE: (W) \_\_\_\_\_ (H) \_\_\_\_\_

PHYSICIAN NAME: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

INSERTION DATE: \_\_\_\_\_ 3FSL 4FSL 5FSL 5FDL 6FDL 6FTL 6FTL Hybrid

TRIMMED LENGTH: \_\_\_\_\_ LOT NO.: \_\_\_\_\_

**POWER INJECTION:**

1. Verify power injector is appropriately programmed and does not exceed printed catheter flow rate limit.
2. Warm contrast to body temperature (37°C).
3. Inspect catheter for damage. Do not use if damage is found.

VALVED LUMEN STEPS:	NON-VALVED LUMEN STEPS:
4. Attach syringe and aspirate amount greater than priming volume of catheter, or until blood return. Remove and discard used syringe.	4. Attach syringe, open clamp, and aspirate amount greater than priming volume of catheter, or until blood return. Close clamp, and remove and discard used syringe.
5. Attach syringe filled with 10 mL sterile normal saline and vigorously flush lumen.	5. Attach syringe filled with 10 mL sterile normal saline, open clamp, and vigorously flush lumen.
6. Detach syringe and discard.	6. Close clamp, and detach syringe and discard.
7. Attach power injector to selected lumen hub per manufacturer's recommendations.	7. Attach power injector to selected lumen hub per manufacturer's recommendations, and open clamp.
8. Complete power injection study taking care not to exceed maximum flow rate limit.	8. Complete power injection study taking care not to exceed maximum flow rate limit, and close clamp.
9. Disconnect the power injector.	
10. Vigorously flush catheter with 20 mL sterile normal saline and recap.	
11. For non-valved PICCs, flush with heparin per institutional protocol.	
12. Do not use lumen marked "No CT" for power injection.	

# Xcela™ PICC with PASV™ Valve Technology— A Patient’s Guide

The Xcela PICC with PASV Valve Technology is a special type of PICC that can be used for tests called contrast-enhanced CT scans. You may have even heard these called “CAT” scans. Sometimes, clinicians refer to them as power injection studies. This is a special type of x-ray test that requires a special pump that delivers testing fluid fast and at high pressure. This pamphlet provides some answers to questions that patients and their families may have about the Xcela PICC with PASV Valve Technology.

This Patient Guide is intended to be educational and is not a substitute for the Directions for Use provided with the product.

## Table of Contents

What is a PICC? .....	2
How is the Xcela PICC with PASV Valve Technology placed? .....	4
How do I care for my Xcela PICC with PASV Valve Technology? .....	5
Should I limit my activities while I have the Xcela PICC with PASV Valve Technology? .....	6
Recommended flushing protocols .....	7



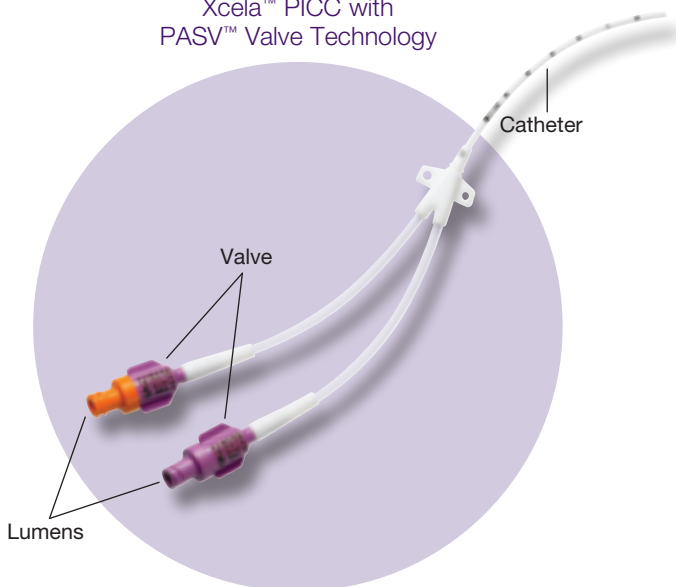
# What is a PICC?

A PICC is a Peripherally Inserted Central Catheter, a long thin tube that is placed into a vein and threaded until the tip is in a very large vein in your chest. The PICC may be used to give medicines and other fluids, such as nutrition and blood products, into the vein. This is called IV or intravenously. Unlike the short IV lines you may have had placed in your hand or arm, a PICC may be in your arm many weeks or months. It may also be possible to take blood samples from your PICC to be used for special tests.

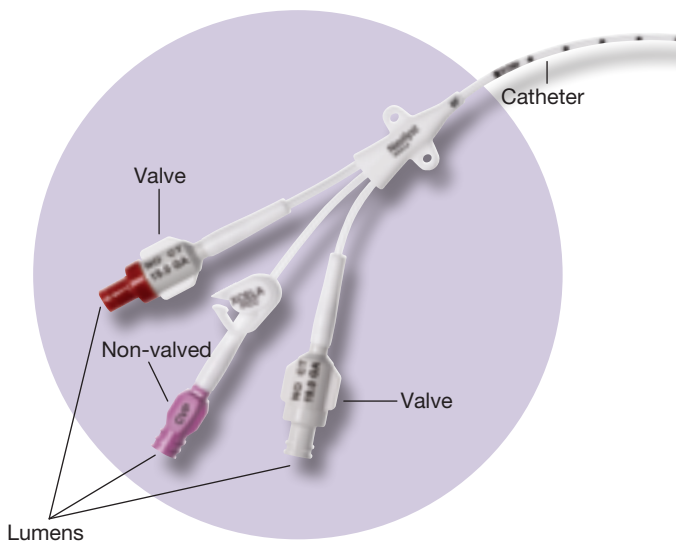
There are a variety of PICCs available. Some have a valve, while others do not. PICCs are available with one, two or three lumens. Xcela™ PICCs with PASV™ Valve Technology are catheters that have a valve located in an area at the end of the catheter called the hub. Valved catheters generally do not have clamps like non-valved catheters.

Navilyst Medical offers a hybrid triple lumen PICC which has two valved lumens and one non-valved lumen to allow for central venous pressure (CVP) monitoring. CVP monitoring is an important tool used by clinicians to measure the blood pressure in the right atrium and vena cava. It is used to assess the function of the right ventricle as well as fluid status.

### Xcela™ PICC with PASV™ Valve Technology



### Xcela Hybrid PICC



# How is the Xcela™ PICC with PASV™ Valve Technology placed?

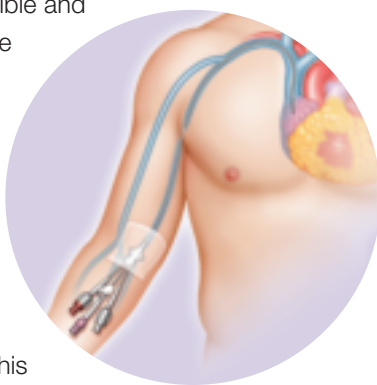
Your Xcela PICC with PASV Valve Technology will be placed by a specially trained healthcare provider. This may be done in your room in the hospital, a clinic, the x-ray department or other locations. It is important that you be as comfortable as possible and that you do not move your arm during the PICC placement.

Your arm will be cleaned, and you will be covered with special cloths to keep the area as clean as possible—this is called sterile technique.

The person placing your PICC will wear a mask, gown, gloves and hat. This is to protect you and keep the area clean during the procedure.

A numbing medicine may be given at the place where the catheter will enter your arm. This is done through a very small needle and may sting.

In some cases, an ultrasound machine, or special x-ray machine, may be used to look at your veins. The PICC is threaded into the vein. After the PICC is in place, a sterile dressing will be put over the insertion site (the place on your arm where the PICC enters the vein). An x-ray will be taken to make sure the PICC tip is in the right position in a vein in your chest.



# How do I care for my Xcela™ PICC with PASV™ Valve Technology?

Your PICC will need to be cared for and kept clean. Care will include changing the dressing any time it becomes loose, soiled or wet and at least one time every week. This may be done by a healthcare provider, or at the suggestion of the healthcare provider, by you, a family member or friend that has been taught how the dressing is changed.

A sterile end cap will be placed on the end of the catheter that is called the hub. This keeps the catheter closed when not being used. Certain end caps allow access to the catheter without removing it from the hub. Some PICCs have one opening (lumen) and others may have two or three lumens. Notify your healthcare provider if your end cap(s) becomes loose, comes off or is leaking. The end caps should be changed at least one time per week, or as often as your healthcare provider suggests.

Before any medicine or fluid is given, or blood is drawn, the end cap and/or hub must be cleaned with a special cleaning solution. This is done to prevent germs from getting into your catheter. Your healthcare provider will teach you how to clean the end cap.



# Should I limit my activities while I have the Xcela™ PICC with PASV™ Valve Technology?

Generally, bending your arm, reaching and doing everyday activities will not harm your PICC. You should not lift heavy objects, or carry objects held in the bend of your arm that may put strain on the PICC or the dressing.

If your healthcare provider approves, you may take a shower or bath with the PICC in place as long as you cover the PICC and dressing with plastic wrap, a plastic bag or material that will keep it from getting wet. You should NOT do other activities, like swimming, that may get the catheter or dressing wet. A wet dressing or catheter may put you at risk for infection.

## Notify your healthcare provider or seek medical attention if you have:

- Redness, soreness or swelling at the PICC insertion site or on your arm
- Fever, chills or vomiting
- Any problems with your catheter while caring for it
- Difficulty giving medications, or being able to draw blood
- A catheter that becomes damaged in any way, leaks, is torn or broken

(to be completed by your healthcare provider)

Volume/Lumen \_\_\_\_\_

## Schedule

## Additional Instructions

[illegible]

[illegible]