OptiCross 18
30 MHz Peripheral Imaging Catheter

INTENDED USE/INDICATIONS FOR USE
OptiCross 18 is intended for intravascular ultrasound examination of peripheral vessels only. Intravascular ultrasound is indicated in patients who are candidates for transluminal interventional procedures.

CONTRAINDICATIONS
Use of this product is contraindicated in the presence of conditions which create unacceptable risk during catheterization.

WARNINGS
• Do not use device after indicated ‘Use By’ date. Use of an expired device could result in patient injury due to device degradation.
• Intravascular ultrasound examination of vascular anatomy should be performed only by physicians fully trained in interventional radiology and in the techniques of intravascular ultrasound, and in the specific approach to be used, in a fully-equipped cardiac catheterization lab.
• The catheter has no user serviceable parts. Do not attempt to repair or alter any component of the catheter assembly as provided. Using an altered catheter can result in poor image quality or patient complications.
• No modification of this equipment is allowed.
• Air entrapped in the catheter and flushing accessories can cause potential injury or death. Always verify that the catheter and flushing accessories have been properly cleared of air prior to inserting the catheter into a vascular access site.
• Do not pinch, crush, kink or sharply bend the catheter at any time. This can cause poor catheter performance, vessel injury or patient complications. An insertion angle greater than 45° is considered excessive.
• Do not manipulate, advance and/or withdraw the coated device through a metal cannula or needle. Manipulation, advancement and/or withdrawal through such a metal device may result in destruction and/or separation of the outer hydrophilic coating, resulting in coating material remaining in the vascular lumen, which may cause adverse events and require additional intervention.
• Never advance or withdraw the imaging catheter without fluoroscopic visualization because it may cause vessel injury or patient complications.
• Do not advance the catheter if resistance is encountered. The catheter should never be forcibly inserted into lumens narrower than the catheter body or forced through a tight stenosis. A catheter that is forcibly advanced may cause catheter damage resulting in vessel injury or patient complications.
• When advancing the catheter through a stented vessel, catheters that do not completely encompass the guidewire may engage the stent between the junction of the catheter and guidewire, resulting in entrapment of the catheter/guidewire, catheter to stent separation, and/or stent dislocation.
• If resistance is met upon withdrawal of the catheter, verify resistance using fluoroscopy, then remove the entire system simultaneously. A catheter that is forcibly removed may cause vessel injury or patient complications.
• When reextending a catheter after deployment of stent(s), at no time should a catheter be advanced across a guidewire that may be pinning between one or more stent struts. A guidewire may exit between one or more stent struts when occluding stent(s). Subsequent advancement of the catheter could cause entanglement between the catheter and stent(s), resulting in entrapment of catheter/guidewire, catheter tip separation and/or stent dislodgement. Use caution when removing the catheter from a stented vessel.
• Inadequately apposed stents, overlapping stents, and/or small stented vessels with distal angulation may lead to entrapment of the catheter with the stent upon retraction. When retracting the catheter, separation of a guidewire from an imaging catheter or bending of the guidewire may result in kinking of the guidewire, damage to the catheter tip detail, and/or vessel injury. The looped guidewire or damaged tip may catch on the stent strut resulting in entanglement.
• If multiple insertions are required, the catheter should not be disconnected from the MDU5 PLUS to avoid possible branch of catheter stability.

PRECAUTIONS
• Do not attempt to connect the catheter to electronic equipment other than the desired Systems Because the catheter may not function properly.
• Never attempt to attach or detach the catheter while the motor is running. To do so may damage the connector.
• If difficulty is encountered when backloading the guidewire into the distal end of the catheter, inspect the guidewire exit port for damage before inserting the catheter into the vasculature. The use of a damaged guidewire port could increase the resistance of catheter advancement or withdrawal.
• Never advance the imaging catheter without guidewire support because it can cause difficulty if the intended region of interest or can cause the distal catheter tip to kink.
• Never advance the distal tip of the imaging catheter near the very floppy end of the guidewire. This part of the guidewire will not adequately support the catheter. A catheter advanced to this position may not follow the guidewire when it is retracted and cause the guidewire to buckle into a loop which the catheter may drag along the inside of the vessel and catch on the guide catheter tip. If this occurs, it may be necessary to remove the catheter assembly, guidewire and the guide catheter together. If the catheter is advanced too far down the length of the guidewire, advance the guidewire while holding the imaging catheter steady. If this fails, withdraw the catheter and guidewire together.
• Never advance or withdraw the imaging catheter without the imaging core assembly being positioned at the most distal position of the imaging window because it may cause the catheter to kink.
• During and after the procedure, inspect the catheter carefully for any damage which may have occurred during use. Multiple insertions may lead to catheter exit port dimension change/distortion which could increase the chance of the catheter catching on the stent. Care should be taken when re-inserting and/or retracting catheter to prevent exit port damage.
• Always turn the MDU5 PLUS™ “OFF” before withdrawing the imaging catheter because it could cause the motor drive to overload.

ADVERSE EVENTS
The risks and discomforts involved in vascular imaging include those associated with all catheterization procedures. These risks or discomforts may occur at any time with varying frequency or severity. Additionally, these complications may necessitate additional medical treatment including surgical intervention and, in rare instances, result in death.
• Allergic reaction
• Device entrapment requiring surgical intervention
• Embolism (air, foreign body, tissue or thrombus)
• End organ infarction
• Hemorrhage/Hematoma
• Hypotension and/or bradycardia (vasovagal syndrome)
• Infection
• Periperal ischemia
• Stroke and Transient ischemic Attack
• Thrombosis
• Vessel occlusion and abrupt closure
• Vessel trauma including, but not limited to, dissection and perforation

HOW SUPPLIED
Do not use if package is opened or damaged.
Do not use if labeling is incomplete or illegible.

Handling and Storage
Openning Environment
Ambient Temperature: 10 °C to 40 °C
Relative Humidity: 30% to 75% Atmospheric Pressure: 70 kPa to 106 kPa

Transport Environment
Temperature: -20 °C to 80 °C
Relative Humidity: 30% to 95%

Ambient Temperature: 20 °C to 30 °C
Relative Humidity: Unccontrolled

Storage Environment
Ambient Temperature: 20 °C to 30 °C
Relative Humidity: Unc-controlled

DIRECTIONS FOR USE
Note: Medical electrical equipment requires special precautions regarding electromagnetic compatibility (EMC). This equipment (device) needs to be installed and put into service according to the EMC information contained within the documents accompanying the system.

Note: Portable and mobile radiofrequency (RF) communications equipment can affect medical electrical equipment.

A. Inspection Prior to Use
Before use, inspect the packaging for any violation of the sterile barrier and inspect the catheter and accessories for any damage or defects. Do not use potentially contaminated or defective equipment. If the sterile barrier integrity is compromised or the contents damaged, contact your Boston Scientific representative. Prior to imaging, all equipment to be used during the procedure should be carefully examined to ensure proper performance. If device activation is compromised, contact your Boston Scientific representative.

Prior to use, verify product is within labeled shelf life. Do not use product if the “Use By” date has been exceeded. Dispose of product and packaging in accordance with hospital, administrative and/or local government policy.

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

WARNING
Contents supplied STERILE using a Radiation process. Do not use if sterile barrier is damaged. If damage is found, call your Boston Scientific representative.

For single use only. Do not reuse, reprocess or resterilize. Reuse, reprocessing or resterilization may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness or death. Reuse, reprocessing or resterilization may also create a risk of contamination of the device and/or cause patient infection or cross-infection, including but not limited to, the transmission of infectious diseases(s) from one patient to another. Contamination of the device may lead to injury, illness or death of the patient.

After use, dispose of product and packaging in accordance with hospital, administrative and/or local government policy.

Carefully read all instructions prior to use. Observe all contraindications, warnings, precautions and adverse events noted in these directions. Failure to do so may result in patient complications. Boston Scientific relies on the physician to determine, assess and communicate to each patient all foreseeable risks of the procedure.

DEVICE DESCRIPTION
The OptiCross 18 (30 MHz Peripheral Imaging Catheter) is a sterile, short rail imaging catheter.

It consists of two main assemblies:
1. Imaging Core
2. Catheter Body

The imaging core is composed of a h-torque, flexible, rotating drive cable with a radial looking 30 MHz ultrasound transducer at the distal tip. An electro-mechanical connector interface at the proximal end of the catheter makes the connection to the Motordrive Unit (MDU5 PLUS ™) Instrument. The MDU5 PLUS™-catheter interface consists of an integrated mechanical drive socket and electrical connection.

The catheter body is comprised of three sections:
1. Distal Imaging Window Lumen
2. Proximal Shaft Lumen
3. Telescoping Section

The distal imaging window lumen and proximal shaft lumen sections comprise the “working length” of the catheter, and the telescoping section remains outside of the guiding catheter.

The catheter body has a distal imaging window lumen with proximal exit at 1.6 cm from the distal tip (Figure 1). A radiopaque (RO) marker is embedded in the catheter body at 0.5 cm from the distal tip. In addition, two insertion depth markers are located on the proximal shaft lumen at 80 cm and 100 cm from the distal tip to aid in estimating catheter position relative to the distal guide catheter tip. The proximal shaft lumen is attached to the telescoping section via a strain relief connection.

The telescoping section (section) allows the imaging core to be advanced and retracted for 15 cm linear movement. This corresponding movement of the transducer occurs from the proximal end of the guidewire exit port to the proximal end of the distal imaging window lumen. The telescoping section has proximal markers for lesion length assessment, consisting of a series of marks spaced 1 cm apart on the telescope body.

A catheter with a one-way check valve (Figure 1) is used to flush the interior of the catheter body and maintain a flushed condition. The catheter must be flushed with heparinized saline prior to use, as this provides the acoustic coupling media required for ultrasonic imaging.
B. Preparation for Catheter Use

1. Refer to the setup section of the user's guide(s) or directions for use for iLab™ Imaging System, MDUS PLUS.®

   Note: All of the following steps have to be performed using sterile technique.

2. Using sterile technique, remove the catheter and accessories from tray. Retract the movable imaging core completely to the proximal position via the telescoping shaft. DO NOT pull too hard while retracting the imaging core.

3. Fill both the 3 cm (3 cc) and 10 cm (10 cc) syringes with heparinized saline. Connect the 3 cm (3 cc) syringe(s) to the 3-mL syringe adapter and the 10 cm (10 cc) syringes to the 4-way stopcock, then connect the assembly to the extension tubing. Ensure that all air is expelled from the lumen (syringe(s), stopcock, and extension tubing) by flushing, using heparinized saline in syringes. Connect the extension tube to the one-way valve on the catheter hub. The 10 cm (10 cc) syringe is to be used as a reservoir for refilling the 3 cm (3 cc) flushing syringe.

4. Flush the imaging catheter TWICE on the prep table continuously with 3 cm (3 cc) volume each time. DO NOT USE EXCESSIVE PRESSURE. Move the imaging catheter over to the procedure table. Ensure that all air is expelled from the system.

5. Connect the imaging catheter to the MDUS PLUS by aligning the catheter hub and the MDUS PLUS. Push the catheter hub and MDUS PLUS together until the hub clicks into place. To ensure that the hub is fully seated in the MDUS PLUS, gently tug on the hub. If catheter identification is incorrect or missing: See Section G2.

6. Remove catheter carefully from sterile hemp dispensing cosmetic. Confirm the imaging core is in the fully retracted position and the catheter is not tightly coiled. Turn on the MDUS PLUS and confirm proper function of the catheter by obtaining a pattern of partial bright concentric rings on the monitor (Figure 2).

7. While imaging with MDUS PLUS, advance the imaging core to the fully distal position, via the telescoping shaft.

   Note: Always turn the MDUS PLUS “ON” before using the telescope to advance the imaging core within the catheter.

8. Turn off the MDUS PLUS. The MDUS PLUS should remain off from this point until the catheter is positioned in situ.

9. Refill the 10 cm (10 cc) syringe as needed and reconnect to the stopcock without introducing air into the line.

10. To prevent air from being introduced into the catheter lumen, DO NOT retract the imaging core prior to catheter placement. Any amount of retraction of the imaging core prior to catheter placement will require additional flushing.

   Note: Where pullback device use is desired, flush the catheter one more time while the imaging core is in the full distal position with the catheter installed on the pullback device.

   Note: If flushing is difficult with the imaging core in the full distal position, then manually retract the imaging core 3-5 mm and rinse. Then, manually advance the imaging core to the original full distal position.

   Exercise care not to kink catheter while handling.

C. Preparation for MDUS PLUS Sterile Bag use

Refer to MDUS PLUS Sterile Bag Directions for Use.

D. Place Guide Catheter

1. Prepare the entry site with a sheath introducer according to standard practice.

2. Before insertion of the imaging catheter, ensure the patient has been prepared using standard procedure for interventional treatment.

3. Place the introducer sheath or guide catheter and Y-adapter. Introduce the guide sheath and advance it to the region of interest.

E. Introduce Imaging Catheter Into Guide Catheter

1. Wet the distal section (approximately 22 cm) of the imaging catheter sheath with heparinized saline to activate the lubricious coating. Always wipe down the guidewire with heparinized saline prior to loading the catheter onto the guidewire.

2. Buckled the guidewire into the distal end of the imaging catheter (Figure 1). Advance the guidewire into the imaging catheter until the guidewire exits from the guide wire exit port.

   Note: Guidewires that supply more stiffness near the distal tips are recommended.

3. Advance the imaging catheter into the sheath introducer or guide catheter. Continue advancing up to the femoral marker if a guide catheter is utilized subsequently. The estimated spatial peak in situ intensities are calculated from the spatial peak water values using the following equation:

   \[ I_{z_{in situ}} = \frac{Pr \cdot r^2 \cdot f \cdot W}{l_{water} \cdot z \cdot f \cdot (W/cm^2)} \]

   where \( I_{z_{in situ}} \) is the measured intensity in water; \( r \) is the center frequency of ultrasound in MHz, \( f \) is the distance from the catheter surface to the measurement point in centimeters, 0.05 cm in this case. It should be noted that because of the complex acoustic properties of living tissue, the estimated in situ intensity may not be the same as the actual in situ intensity, and therefore, it should not be interpreted as such.

F. Catheter Placement and Imaging

1. With MDUS PLUS “OFF” and using flouroscopy, advance the imaging catheter over the guidewire until the distal marker crosses a minimum of 3 cm beyond the region of interest in the vessel/lumen.

2. Keeping the catheter body and guidewire fixed, turn MDUS PLUS “ON” and retract the imaging core slowly along its length of travel (up to a maximum of 15 cm) either manually or using the optional Automatic Pullback Step (up to a maximum of 10 cm) to image the region of interest. Retract and advance as desired.

   Note: Always turn the MDUS PLUS “ON” before advancing or retracting the imaging core within the catheter.

   Note: If the image fades: See Section G3 and G4.

3. When done imaging, fully advance the imaging core and turn “OFF” the MDUS PLUS. Maintain the position of the guidewire and remove the imaging catheter.

4. If the imaging catheter is to be re-inserted, re-prepare as described in the Preparation for Catheter Use section and set aside the MDUS PLUS and Automatic Pullback Step, if used.

   Note: If multiple insertions are required, the catheter should not be disconnected from the MDUS PLUS to avoid possible breach of catheter sterility.

5. Inspect guidewire exit port prior to re-inserting to verify no damage occurred during withdrawal.

6. After use, dispose of product and packaging in accordance with hospital, administrative and/or local government policy.

G. Troubleshooting

1. If there is vibration from the catheter telescope section during advancement of the imaging core, stop imaging. Adjust the location of the sheath such that the imaging window is as straight as possible. Reactivate MDUS PLUS and re-advance the imaging core. Be aware of potential imaging core entanglement if catheter is utilized subsequently.

2. If imaging catheter is not recognized by the system, contact your Boston Scientific representative before proceeding.

3. If the image fades during use, or if shadowed areas persist after flushing in situ, the distal imaging window lumen may contain air bubbles. Remove catheter and repeat flushing procedure in Section B, Preparation for Catheter Use, step 4.

4. If the image cannot be recovered as a result of flushing, a drive cable failure or MDUS PLUS disconnection may have occurred. Stop imaging and verify that the hub is fully seated in the MDUS PLUS. If the hub is fully seated and the condition persists, withdraw the catheter. Restart the MDUS PLUS and visually inspect for rotation of the imaging core. If it is not rotating, return the catheter to your Boston Scientific representative for analysis.

ACOUSTIC OUTPUT – COMPLIANCE TO US FDA GUIDELINES

ALARA Precaution

There is one scan parameter that can be varied which can cause a change in the radiated ultrasound field. The motor speed (frame rate) can vary downward from its preset value of 38 frames per second. The maximum in situ intensities will be generated when the motor speed is at 38 frames per second. It should also be noticed that the gain setting cannot change the in situ intensity.

Additional acoustic output information can be found in the operator’s manual or user’s guide.

Imaging Catheter Information

Acoustic power output varies between different models of imaging catheters. Each imaging catheter supplied by Boston Scientific Corporation is supplied with directions for use (DFUs) that include statements and tables specifying their acoustic power outputs.

US FDA guidelines for measurements and definitions of terms may be found in FDA publication Information for Manufacturers Seeking Market Clearance of Diagnostic Ultrasound Systems and Transducers (Sept. 8, 2005). Where mechanical and/or thermal indices are reported, the MI/TI is displayed on the lower right of the IVUS image next to the imaging catheter identification.

Calculation of Estimated In Situ Intensities

The estimated spatial peak in situ intensities are calculated from the spatial peak water values using the following equation:

\[ I_{z_{in situ}} = \frac{Pr \cdot r^2 \cdot f \cdot W}{l_{water} \cdot z \cdot f \cdot (W/cm^2)} \]

where \( I_{z_{in situ}} \) is the measured intensity in water; \( r \) is the center frequency of ultrasound in MHz, \( f \) is the distance from the catheter surface to the measurement point in centimeters, 0.05 cm in this case. It should be noted that because of the complex acoustic properties of living tissue, the estimated in situ intensity may not be the same as the actual in situ intensity, and therefore, it should not be interpreted as such.

ACOUSTIC OUTPUT REPORTING TABLE FOR TRACK 1

Auto-Scanning Mode

Transducer Model: OptiCross™ 18 (30 MHz Peripheral Imaging Catheter)

Operating Mode: B

System Model: iLab™ Ultrasound Imaging System with MDUS PLUS

Application(s): Fetal Imaging & Other

Note: The US FDA guidance document “Information for Manufacturers Seeking Market Clearance of Diagnostic Ultrasound Systems and Transducers” dated September 8, 2005 classifies intravascular ultrasound with the application(s) “Fetal Imaging & Other” to determine the maximum allowable acoustic output energy. The catheter is not intended for fetal imaging.
ACOUSTIC OUTPUT – COMPLIANCE TO IEC 60601-2-37

Prudent-Use Statement

It is the responsibility of the system operator to understand the risk of the acoustic outputs generated by the imaging system and its associated imaging catheters. It is also the operator’s responsibility to act appropriately to mitigate such risks. To that end, Boston Scientific Corporation has reported mechanical and/or thermal indices that may exceed the requirements of IEC 60601-2-37. Please note that the Mechanical Index (MI) displayed on the system’s screen has not been corrected for finite amplitude affects.

Imaging Catheter Information

Acoustic Power Output varies between different models of imaging catheters. Each imaging catheter supplied by Boston Scientific Corporation is supplied with directions for use (DFUs) that include statements and tables specifying their acoustic power outputs. IEC requirements for measurements and definitions of terms may be found in IEC 60601-2-37 – “Particular requirements for the safety of ultrasonic medical diagnostic and monitoring equipment.”

Where mechanical and/or thermal indices are reported, the MI/TI is displayed on the lower right of the IVUS image next to the imaging catheter identification.

ACOUSTIC OUTPUT REPORTING TABLE (In accordance with IEC 60601-2-37)

Index Label | MI | TIS-Scan
---|---|---
Maximum index value | 0.702 | 0.030

Associated Acoustic Parameters

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
<th>Units</th>
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<tbody>
<tr>
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<td>n/a</td>
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<td>( p_{r,\alpha} )</td>
<td>Derated Peak Negative Pressure at a location of the maximum derived pulse intensity integral</td>
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<td>( f_{awf} )</td>
<td>Acoustic working frequency</td>
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WARRANTY

Boston Scientific Corporation (BSC) warrants that reasonable care has been used in the design and manufacture of this instrument. This warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether express or implied by operation of law or otherwise, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. Handling, storage, cleaning and sterilization of this instrument as well as other factors relating to the patient, diagnosis, treatment, surgical procedures and other matters beyond BSC’s control directly affect the instrument and the results obtained from its use. BSC’s obligation under this warranty is limited to the repair or replacement of this instrument and BSC shall not be liable for any incidental or consequential loss, damage or expense directly or indirectly arising from the use of this instrument. BSC neither assumes, nor authorizes any other person to assume for it, any other or additional liability or responsibility in connection with this instrument. BSC assumes no liability with respect to instruments reused, reprocessed or resterilized and makes no warranties, express or implied, including but not limited to merchantability or fitness for a particular purpose, with respect to such instruments.

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ACOUSTIC OUTPUT REPORTING TABLE (In accordance with IEC 60601-2-37)

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Figure 1. OptiCross™ 18 (30 MHz Peripheral Imaging Catheter)

1. Telescoping Shaft
2. Imaging Core
3. Transducer
4. Proximal Hub
5. Flush Port & Check Valve
6. Guidewire, Guía, Guide
7. Guidewire Exit Port
8. Radiopaque Marker
9. Distal Strain Relief
10. Hydrophilic Coating: 230 mm minimum

Figure 2. Normal test image
MDU5 PLUS™
Sterile Bag
Sterile Bag for MDU5 PLUS
Motordrive Unit

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

WARNING
Contents supplied STERILE using a Radiation process. Do not use if sterile barrier is damaged. If damage is found, call your Boston Scientific representative.

For single use only. Do not reuse, reprocess or resterilize. Reuse, reprocessing or resterilization may compromise the structural integrity of the device and/or lead to device failure which, in turn, may result in patient injury, illness or death. Reuse, reprocessing or resterilization may also create a risk of contamination of the device and/or cause patient infection or cross-infection, including, but not limited to, the transmission of infectious disease(s) from one patient to another. Contamination of the device may lead to injury, illness or death of the patient. After use, dispose of product and packaging in accordance with hospital, administrative and/or local government policy.

Carefully read all instructions prior to use. Observe all contraindications, adverse events, warnings, and precautions noted in these directions. Failure to do so may result in patient complications. Boston Scientific relies on the physician to determine, assess and communicate to each patient all foreseeable risks of the procedure.

DEVICE DESCRIPTION
This device provides an efficient, conformal covering to fit the MDU5 PLUS motordrive.

Contents
MDU5 PLUS Sterile Bag (referred to as “bag”)

INTENDED USE/INDICATIONS FOR USE
The MDU5 PLUS Sterile Bag is intended to cover the motordrive during intravascular ultrasound procedures to maintain the sterile field and prevent transfer of microorganisms, body fluids and particulate material to the patient and healthcare worker.

CONTRAINDICATIONS
None known.

ADVERSE EVENTS
None known.

PRECAUTIONS
None known.

HOW SUPPLIED
Do not use if package is opened or damaged. Do not use if labeling is incomplete or illegible.

Handling and Storage
Store in a cool, dry, dark place.

DIRECTIONS FOR USE
A. Inspection Prior to Use
Before use, inspect the packaging for any violation of the sterile barrier and inspect the bag for any damage or defects. Do not use potentially contaminated or defective equipment. If the sterile barrier integrity is compromised or the contents damaged, contact your Boston Scientific representative.

Prior to use, verify product is within labeled shelf life. Do not use product if the ‘Use By’ date has been exceeded. Dispose of product and packaging in accordance with hospital, administrative and/or local government policy.

B. Covering the MDU5 PLUS
Covering the MDU5 PLUS requires two people – one inside and one outside the sterile field. Using appropriate sterile technique:

1. The non-sterile operator opens the pouch containing the bag.
2. The sterile operator removes the bag from the pouch.
3. The sterile operator unfolds the bag so the “Insert Here” sticker can be used to easily locate the bag opening (Figure 3).

4. The sterile operator then grasps the covered MDU5 PLUS. The non-sterile operator grips and pulls the tabs until the bag is unfolded to its full length (Figure 5).

5. The non-sterile operator then places the MDU5 PLUS into the opening, positioning the MDU5 PLUS so that the top of the unit is aligned with the “This Side Up” sticker on the bag (Figure 4).

6. The sterile operator then grasps the covered MDU5 PLUS. The non-sterile operator grips and pulls the tabs until the bag is unfolded to its full length (Figure 5).

7. To position the bag, stop advancing the MDU5 PLUS into the bag as soon as a snug fit is obtained. The sterile operator does not need to advance the MDU5 PLUS all the way to the bag’s faceplate. It is normal to have space between the nose of the MDU5 PLUS and the faceplate on the bag (Figure 6).

8. To attach the bag to the MDU5 PLUS, the sterile operator should align the bag’s faceplates with the nose of the MDU5 PLUS (Figure 7), and gently push to secure the connection. Do not trap material between the faceplates and the nose. Extra bag material around and beyond the connection is normal (Figure 8).

9. When ready to insert the MDU5 PLUS compatible catheter, remove the sticker from the faceplate and discard appropriately (Figure 8).

10. The bagged MDU5 PLUS is now ready for use.

WARNING
Boston Scientific Corporation (BSC) warrants that reasonable care has been used in the design and manufacture of this instrument. This warranty is in lieu of and excludes all other warranties not expressly set forth herein, whether express or implied by operation of law or otherwise, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. Handling, storage, cleaning and sterilization of this instrument as well as other factors directly or indirectly arising from the use of this instrument. BSC neither assumes, nor authorizes any other person to assume for it, any other or additional liability or responsibility in connection with this instrument. BSC assumes no liability with respect to instruments reused, reprocessed or resterilized and makes no warranties, express or implied, including but not limited to merchantability or fitness for a particular purpose, with respect to such instruments.
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Do not use if package is damaged.
Recyclable Package

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