NAVIGATE WITH CONFIDENCE

Nav-Enabled Catheter Portfolio
The Boston Scientific nav-enabled catheter portfolio is a versatile suite of catheter tip technology combined with magnetic tracking for accuracy and efficiency. This offering is optimized for use with the only high-resolution cardiac mapping system, RHYTHMIA HDx™, giving you clarity for any complexity.

RHYTHMIA HDx™ Mapping System

The Boston Scientific nav-enabled catheter portfolio is a versatile suite of catheter tip technology combined with magnetic tracking for accuracy and efficiency. This offering is optimized for use with the only high-resolution cardiac mapping system, RHYTHMIA HDx™, giving you clarity for any complexity.

**BETTER THAN 1mm tracking ACCURACY**

IN RHYTHMIA™ MAPPING SYSTEM CASES.
INTELLAMAP ORION™ MAPPING CATHETER

ELECTRODES

8x smaller ELECTRODES
Maximize contact and minimize far field. See the clearest map possible.

0.4 mm² printed ELECTRODES
Get sharper, better-quality signals for precise localization of arrhythmias.

64 printed ELECTRODES
Collect more data more rapidly.

Effective for the most complex arrhythmias

INTELLAMAP ORION™ MAPPING CATHETER
Mini-electrodes and Total Tip Cooling™ design offer unparalleled clarity with cool performance.

**INTELLANAV MIFI™ OPEN-IRRIGATED ABLATION CATHETER**

- **Mini-electrodes**
  - Provide more accurate recording of focal area
  - Allow recording at the precise site of ablation
  - Enable pace capabilities during ablation

- **Conventional Bi-Poles**
  - Capture larger far-field signals
  - Provide an antenna length that extends beyond site of ablation
  - Cannot pace and ablate simultaneously

**TRUE TIP LOCATION**

- **Mini-electrode technology meets Total Tip Cooling™**
- **1mm DIAMETER**
- **-8.3 mm Spacing**
- **4.5 mm Tip Length**
- **2.4 mm Spacing**
- **4.5 mm Tip Length**
- **1.3 mm from Tip to MEs**

Dual internal cooling chambers and flow pattern designed to reduce potential of char, coagulum and thrombus.
TOTAL TIP COOLING™

Cool performance. Confident navigation.

INTELLANAV™ OPEN-IRRIGATED ABLATION CATHETER

INTERNAL COOLING
Dual chambers cool the entire tip

EXTERNAL WASHING
Optimized flow pattern actively washes tip

GREATER COOLING CAPACITY
Study found consistently cooler throughout RF delivery than traditional thermocool
Localize precisely and accurately with the highest-resolution ablation catheter on the market.

**Mini-electrodes guide effective treatment**

**INTELLANAV MIFI™ XP ABLATION CATHETER**

**1 mm Electrode Diameter**

**Efficiency of 8 mm Large Tip**

**TRUE TISSUE ASSESSMENT**

**Conventional Electrodes**

**MIFI Electrodes**

**MINI-ELECTRODES**

- Mini-electrode 1-2
- Mini-electrode 2-3
- Mini-electrode 3-1
- Mini-electrode 1
- Mini-electrode 2
- Mini-electrode 3

**MINI-ELECTRODE ASSESSMENT**

- Bipole 1-2
- Bipole 3-4
- Unipole 1
- Unipole 2

**Mini-electrodes demonstrate significant amplitude reduction and signal clarity during ablation as compared to bipolar electrograms.**

Images courtesy of Kevin Makati, MD. from St. Joseph’s Hospital in Tampa, FL.

**TRUE ABLATION FEEDBACK**

**Case images courtesy of W. Jackman, MD. University of Oklahoma Health Sciences Center.**
96% CHRONIC SUCCESS IN ONE STUDY

Historical performance meets high-definition mapping

INTELLANAV™ XP ABLATION CATHETER

Image courtesy of Matt Ostrom, MD from Torrance Memorial Hospital.
Precision of a small solid tip with magnetic navigation accuracy

INTELLANAV™ ST ABLATION CATHETER

Precise ablations in SVT procedures, critical when near the conduction system

4 mm TIP

Atypical AVNRT Image courtesy of Hazim Al-Ameri, MD, from William Beaumont Royal Oak.
INDICATIONS FOR USE

The IntellaNav™ OI Catheter is intended to be used with a compatible RF generator (e.g., RITA Therapeutics RITA-1000™, RITA-2000™, or compatible) for the delivery of RF energy to ablating cardiac tissue. The IntellaNav™ OI Catheter is not intended for use with any RF generator output setting exceeding 50 W or 200 Volts. This catheter is intended for use in a cardiac catheterization lab. Note: The IntellaNav OI Catheter is not designed to be compatible with the Maestro 3000® RF Cardiac Ablation System.

CONTRAINDICATIONS

The IntellaNav™ OI Catheter is contraindicated in patients who have an acute myocardial infarction or other acute cardiac ischemia. The IntellaNav™ OI Catheter is also contraindicated in patients with a mechanical prosthetic heart valve through which the catheter must pass; unable to receive heparin or an acceptable alternative to achieve adequate anticoagulation; who have vena cava embolic protection devices or have a mechanical aortic valve; who have a history of aortic stenosis or severe aortic regurgitation; who have fibrotic atrial septal defect; who have had previous atrial flutter procedures; patients with a history of atrial flutter or atrial tachycardia; who have a history of severe mitral valve disease or who are unable to receive adequate anticoagulation; patients with a history of severe mitral valve disease; who have a history of pulmonary hypertension; who are pregnant or nursing; who are allergic or hypersensitive to any of the components of the IntellaNav™ OI Catheter system; or who are less than 18 years old. The IntellaNav™ OI Catheter is also contraindicated in patients who are not using heparin or another acceptable alternative for anticoagulation. The IntellaNav™ OI Catheter is also contraindicated in patients who are not being monitored continuously by a specially trained person.

POTENTIAL ADVERSE EVENTS:


INDICATIONS FOR USE

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV MIFI™ OPEN-IRRIGATED Ablation Catheter

The IntellaNav™ OI Catheter is contraindicated in patients who have an acute myocardial infarction or other acute cardiac ischemia. The IntellaNav™ OI Catheter is also contraindicated in patients with a mechanical prosthetic heart valve through which the catheter must pass; unable to receive heparin or an acceptable alternative to achieve adequate anticoagulation; who have vena cava embolic protection devices or have a mechanical aortic valve; who have a history of aortic stenosis or severe aortic regurgitation; who have had previous atrial flutter procedures; patients with a history of atrial flutter or atrial tachycardia; who have a history of severe mitral valve disease or who are unable to receive adequate anticoagulation; patients with a history of severe mitral valve disease; who have a history of pulmonary hypertension; who are pregnant or nursing; who are allergic or hypersensitive to any of the components of the IntellaNav™ OI Catheter system; or who are less than 18 years old. The IntellaNav™ OI Catheter is also contraindicated in patients who are not using heparin or another acceptable alternative for anticoagulation. The IntellaNav™ OI Catheter is also contraindicated in patients who are not being monitored continuously by a specially trained person.

POTENTIAL ADVERSE EVENTS:


INTELLANAV XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.

INTELLANAV™ XP Ablation Catheter

The IntellaNav™ OI Catheter is intended for use in patients with active atrial fibrillation, atrial flutter, or fibrillation in the atrial flutter procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage based on the pre-procedure TEE results. In the event of an absence of thrombus in the left atrial appendage, there may be no need for surveillance TEEs during the procedure.
The Boston Scientific Corporation IntellaNav™ ST Catheter, when used with a compatible radiofrequency controller, is intended for creating endocardial lesions during cardiac ablation procedures to treat arrhythmia.

INDICATIONS FOR USE:
The IntellaNav™ ST Catheter is intended to treat patients 18 years or older that have cardiac arrhythmias. The use of the device is contraindicated in patients: with active hemorrhage, who have had endovascular or ablative procedures within the preceding eight weeks, via the transseptal approach in patients with prior transseptal punctures of the left atrial appendage (LAA) or atrial septum that cannot be adequately visualized with transesophageal echocardiography (TEE), or who have a history of a cephalic subclavian or axillary venous access site that cannot be adequately visualized with TEE.

WARNINGS: Before operating the device, read these warnings carefully. Peri-procedural anticoagulation therapy or an antiplatelet regimen may increase the risk of bleeding. The occurrence of any adverse events (in alphabetical order) may be associated with cardiac catheterization and cardiac ablation procedures. The frequency and severity of these adverse events can vary, and may necessitate additional medical evaluation and/or treatment. The occurrence of adverse events from cardiac catheterization and ablation procedures may affect the procedure, there should be a low threshold to perform a transesophageal echocardiogram (TEE) prior to the procedure to confirm absence of thrombus in the left atrial appendage and assess other intracardiac structures. The IntellaNav™ ST Catheter is intended for use with the BSC RF Controllers. All RF Controllers and accessories only. Careful catheter manipulation must be performed in order to avoid cardiac damage, perforation, or tamponade. Catheter advancement should be done under fluoroscopic guidance. Do not use excessive force to advance or withdraw the catheter when resistance is encountered. The catheter impedance LED display of the RF Controller should be continuously monitored during RF power delivery. If a sudden change in impedance is noted, power delivery should be discontinued. The catheter should be removed and the site of injury should be allowed to clot. The catheter should be replaced. The IntellaNav™ ST Catheter is intended for use with the BSC RF Controllers only.

CONTRAINDICATIONS: The IntellaNav™ ST Catheter is intended to treat patients 18 years or older that have cardiac arrhythmia. The use of the device is contraindicated in patients: with active hemorrhage, who have had endovascular or ablative procedures within the preceding eight weeks, via the transseptal approach in patients with prior transseptal punctures of the left atrial appendage (LAA) or atrial septum that cannot be adequately visualized with transesophageal echocardiography (TEE), or who have a history of a cephalic subclavian or axillary venous access site that cannot be adequately visualized with TEE.

Information for the use only in countries with applicable health authority product registrations. Information not intended for use or distribution in France.

CAUTION: Federal law (USA) restricts these devices to sale by or on the order of a physician. Prior to use, please see the complete "Directions for Use" for more information on Indications, Contraindications, Warnings, Precautions, Adverse Events, and Operator's Instructions.