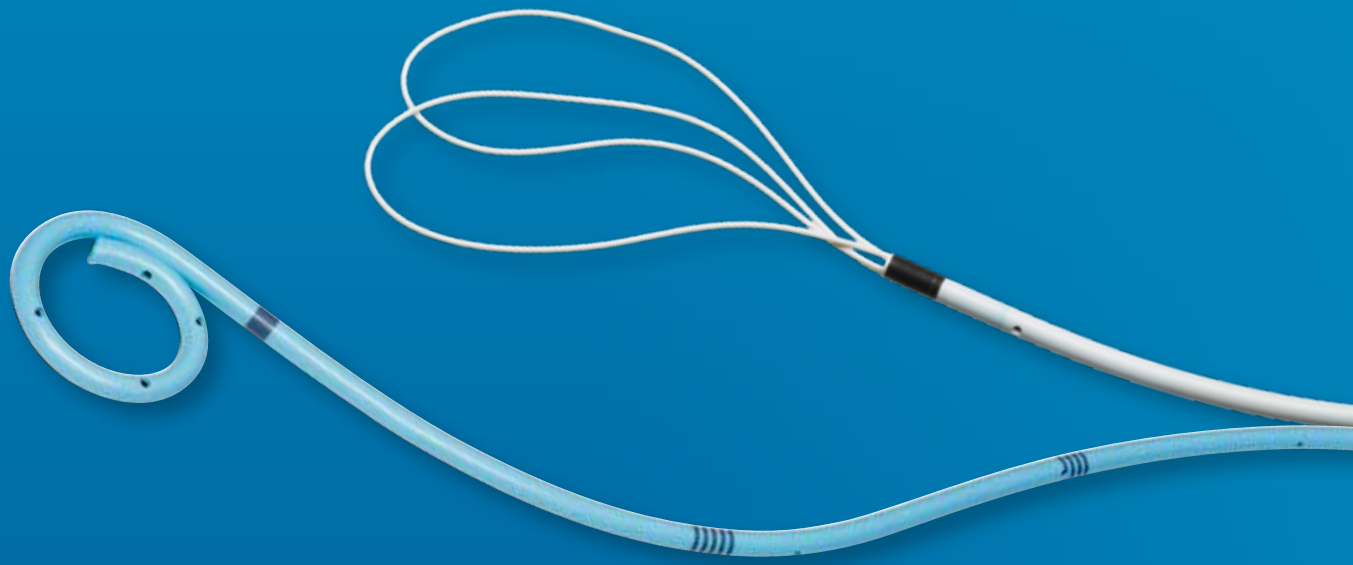
Boston Scientific

Advancing science for life™

Ureteral Stents

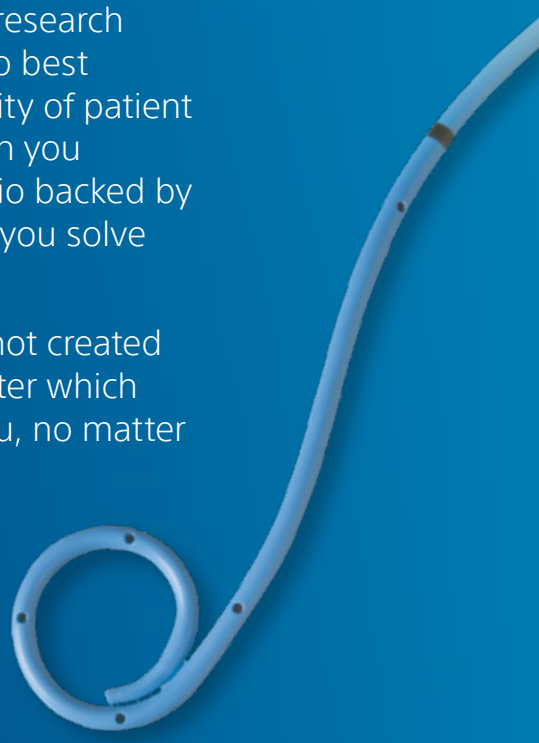
A broad portfolio to meet patients' and physicians' needs and preferences



Because all stents are not created equal.

In the world of urology and helping patients maintain drainage, all stents are not created equal. Because each patient and ureteroscopy case is unique, you can't rely on one stent to solve all challenges. Boston Scientific offers a broad portfolio of firm, soft and dual-durometer stents designed to accommodate your patient's unique anatomy, clinical presentation and tolerance. Boston Scientific stents have been developed from more than 35 years of clinical research in partnership with urologists just like you – urologists who best understand the characteristics that help advance the quality of patient care, from the routine to the most complex of cases. When you choose Boston Scientific, you can count on a stent portfolio backed by insightful evidence and innovative solutions that will help you solve common challenges related to ureteral stent procedures.

So, while our portfolio offers stents that are intentionally not created equal, our goal is to ensure you equal confidence, no matter which stent you choose – confidence that we have a stent for you, no matter the patient, no matter the case.



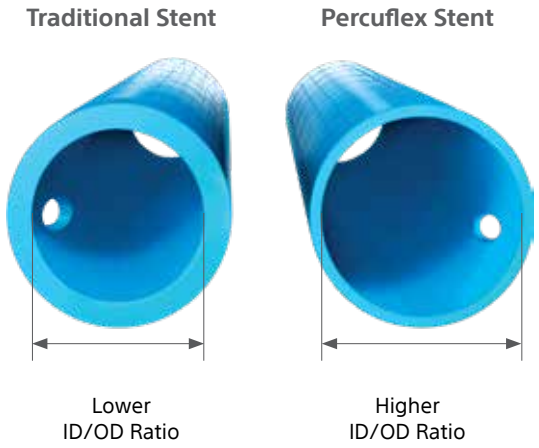
Most of our stents are biocompatible for up to 365 days[2] and feature proprietary materials and coating, such as:

HydroPlus™ Hydrophilic Coating

- Absorbs water to provide a low-friction smooth surface that facilitates advancement and may help reduce superficial damage to the epithelium[3,4,5,18]

Percuflex™ Material Construction

- Designed to soften at body temperature and conform to the ureter[1,6-9]
- Helps reduce potential for stent migration due to the high-retention coil strength[3,4,10]
- Promotes optimal drainage with a thin wall design, large inner lumen and multiple side drainage holes[1,3,11]
- Made of biocompatible material for up to 365-day indwell[2]
- Provides durable material strength[3]



Images not drawn to scale.

Designed for Excellent Drainage

Low profile and large inner lumen

are attainable due to the high tensile strength of the Percuflex Material.[3,11]

The 5F version

is designed to increase drainage and may be passed over a .038″ guidewire.[1]

The clinical difference

NEW
Tria™ Ureteral Stent
Unlike any other.

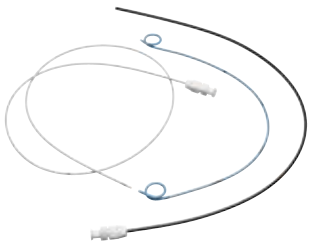
Percuflex™
Ureteral Stent
A stent designed for migration resistance.[3,4,10]

Percuflex™ Plus
Ureteral Stent*
Firm enough to place under difficult conditions.[3, 14-18]

Contour™ and Contour VL™
Ureteral Stents*
The soft stent designed to conform.[1,6,9]

Now also with SureDrive™ steerable option for Percuflex Plus, Contour and Contour VL

* SureDrive™ Steerable Ureteral Stent Optional



Contour™ Injection Ureteral Stent Set
The stent platform that shows you the way.

Percuflex™ Urinary Diversion Stent Set
The stent set designed for optimal drainage.[22]

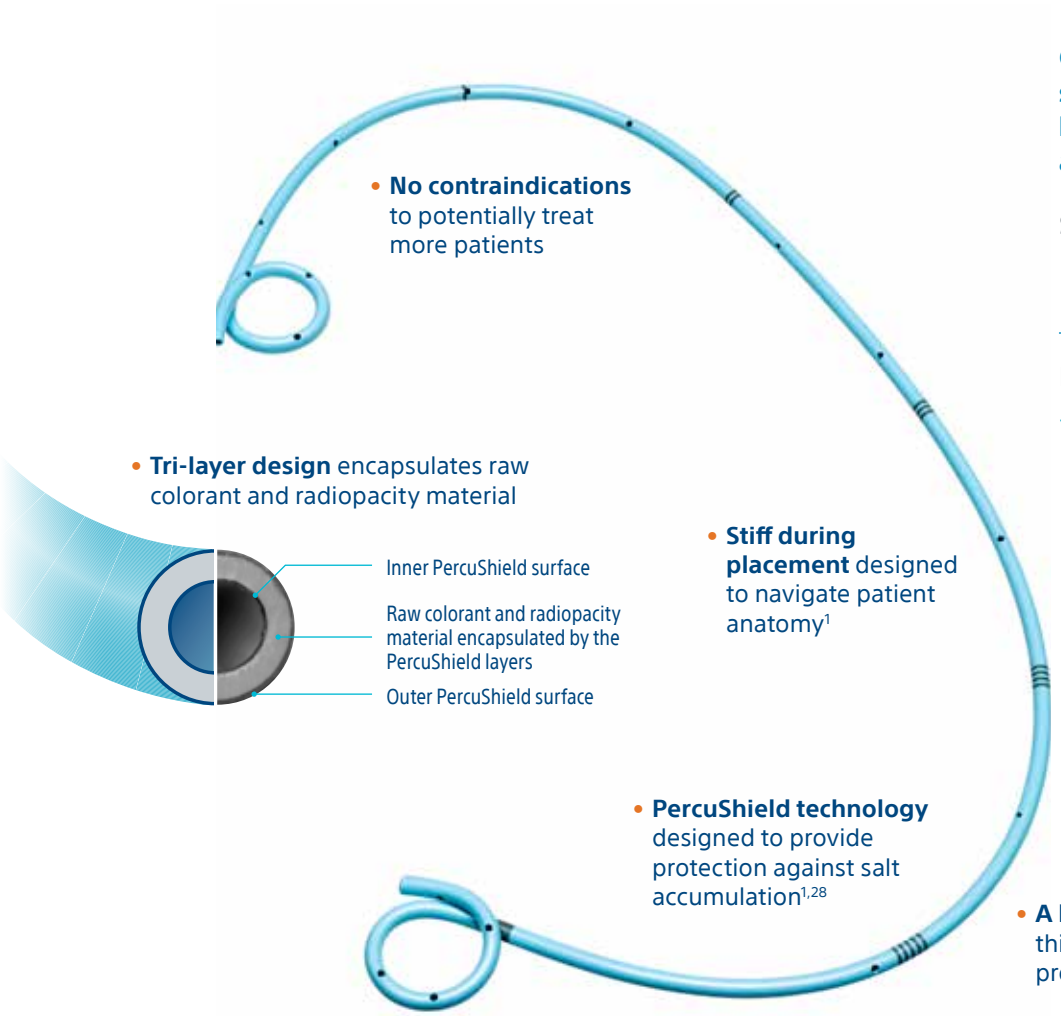
Polaris™ Loop Ureteral Stent
Proprietary loop design. Less bladder irritation.[12]

Polaris™ Ultra Ureteral Stent
Firm where it needs to be. Soft where it matters.[6,13]

Tria™ Ureteral Stent

Unlike any other.

When it comes to ureteral stents, urine calcium (Ca) and magnesium (Mg) salt deposits can contribute to stent complications such as encrustation.[24,25] The cause and rate of encrustation is multifactorial and can include factors such as body chemistry and medical condition of the patient, stent indwell time, and surface material or properties of the stent.[24,26,27] The Tria Stent is the only commercially available stent that may help control the accumulation of both Mg and Ca salts.[1,28] As a matter of fact, in a bench study, the Tria Stent showed up to 60% less accumulation compared to Bard Inlay Optima® Ureteral Stent, depending on urine characteristics.[1,28] This is due, in part, to PercuShield™ technology on the inner and outer surfaces that are embedded, designed to provide protection against salt accumulation.[1,28] The Tria Stent is designed to be stiffer during placement to navigate patient anatomy while softening by over 40% at body temperature, which may promote greater patient tolerability.[1,8,9] And, with no contraindications to potentially treat more patients, the Tria Ureteral Stent is a truly unique stent – unlike any other.



Compared to a competitive stent, the Tria Stent has lower Mg and Ca salt accumulation:[1,28]

Sterile Urine

59% – 60% ↓

Bacterial Spiked Urine

19% – 41% ↓

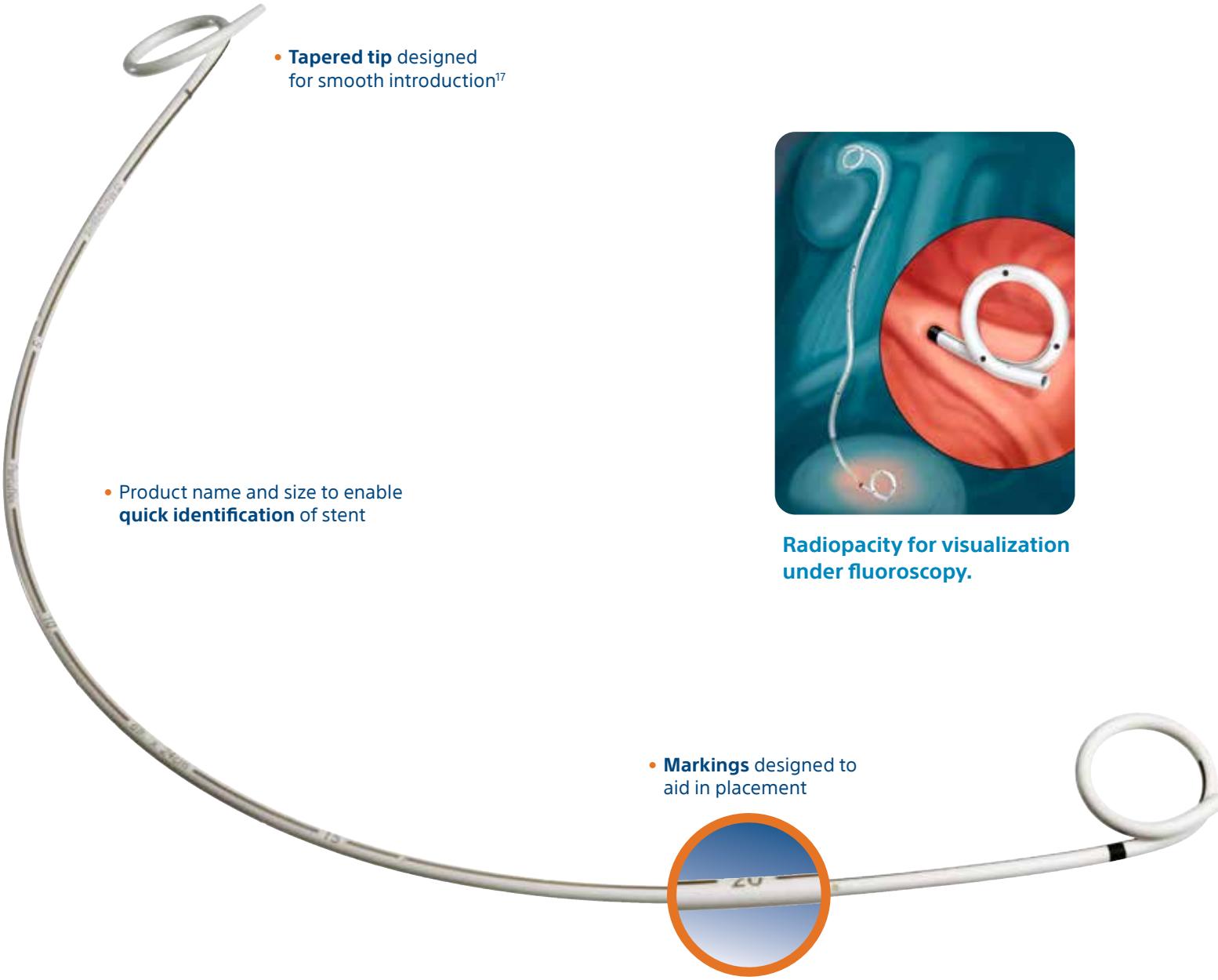
Multiple Sizes	Indwell Time
Available in 4.8F – 8F with lengths ranging from 10cm – 30cm	Up to 365 days[2]

For more information, please visit
https://www.bostonscientific.com/en-EU/products/stents-ureteral/tria.html

Percuflex™ Ureteral Stent

A stent designed for migration resistance.[3,4,10]

With the firm Percuflex Ureteral Stent, you can be confident in your stent placement.[1,3,13,18] This firm stent has clear bladder markings and a tapered tip that are designed for ease of placement, and its high-retention coil strength helps to maintain its pigtail shape, thus reducing the chance of stent migration.[3,4,10]



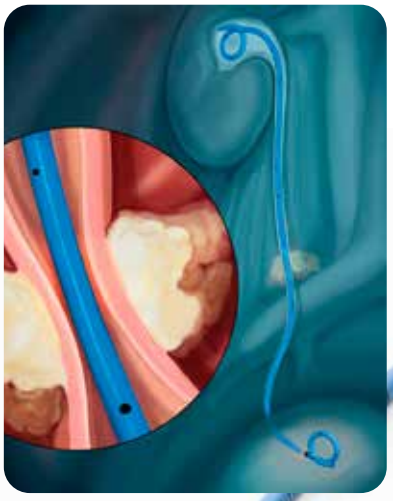
Radiopacity for visualization under fluoroscopy.

Multiple Sizes	Indwell Time
Available in 4.8F – 8F with lengths ranging from 20cm – 30cm	Up to 365 days[2]

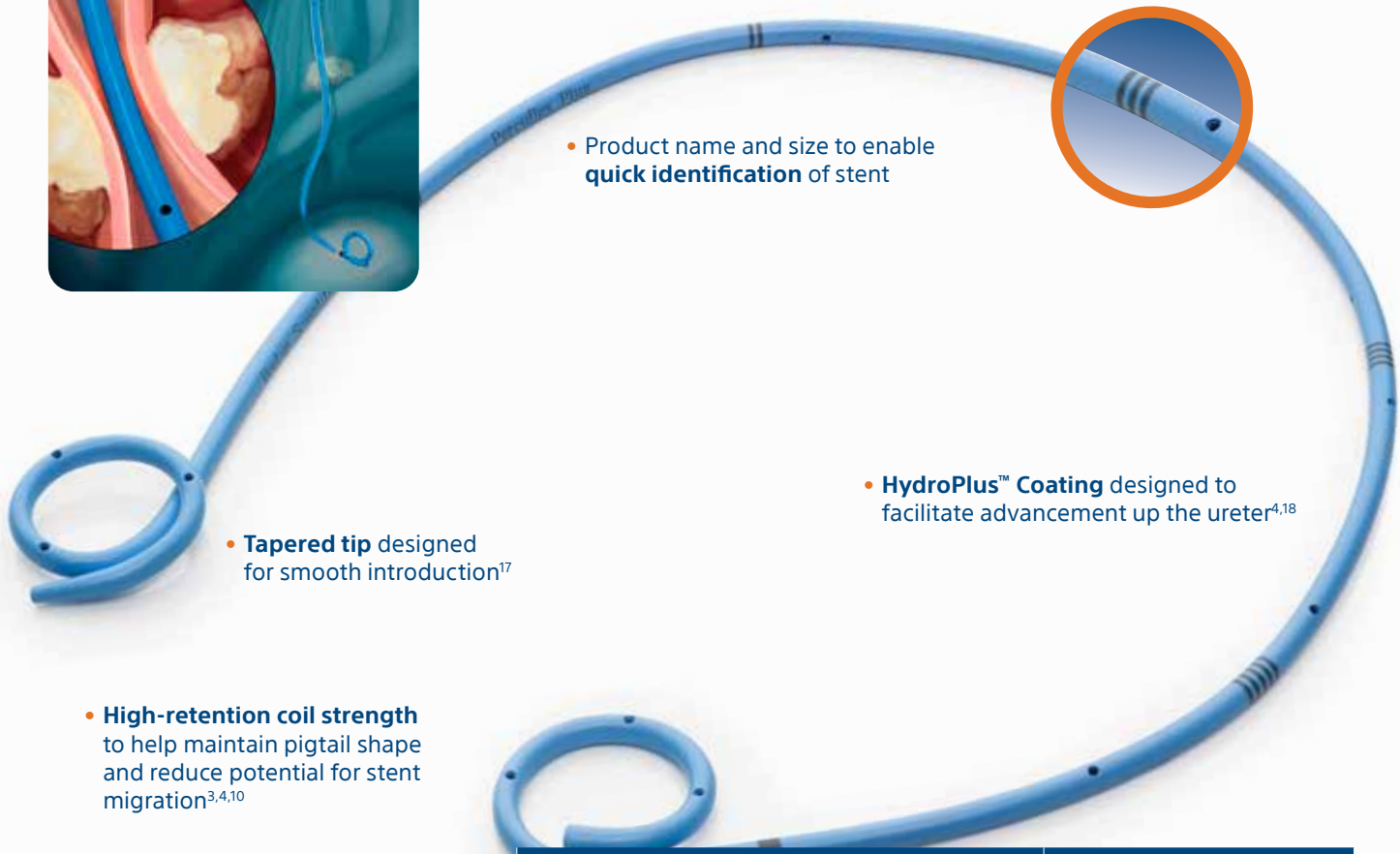
Percuflex™ Plus Ureteral Stent

Firm enough to place under difficult conditions.[3,14-18]

Tortuous anatomy? Tight strictures? Look no further than the Percuflex Plus Ureteral Stent designed to help you navigate a challenging tortuous anatomy.[1,3,14-18] Its firm material and smooth hydrophilic surface may help with placement, and its high-retention coil strength helps to maintain its pigtail shape designed to prevent stent migration.[3,4,10] The Percuflex Plus Stent is designed for patients with challenging conditions and procedures where you need rigidity during placement.[3,14-18]



Material strength and smooth hydrophilic surface designed to facilitate navigation of tight strictures.[3,14-18]



- **Graduated circumferential markings** every 5cm along the body of the stent
- Product name and size to enable **quick identification** of stent
- **HydroPlus™ Coating** designed to facilitate advancement up the ureter[4,18]
- **Tapered tip** designed for smooth introduction[17]
- **High-retention coil strength** to help maintain pigtail shape and reduce potential for stent migration[3,4,10]

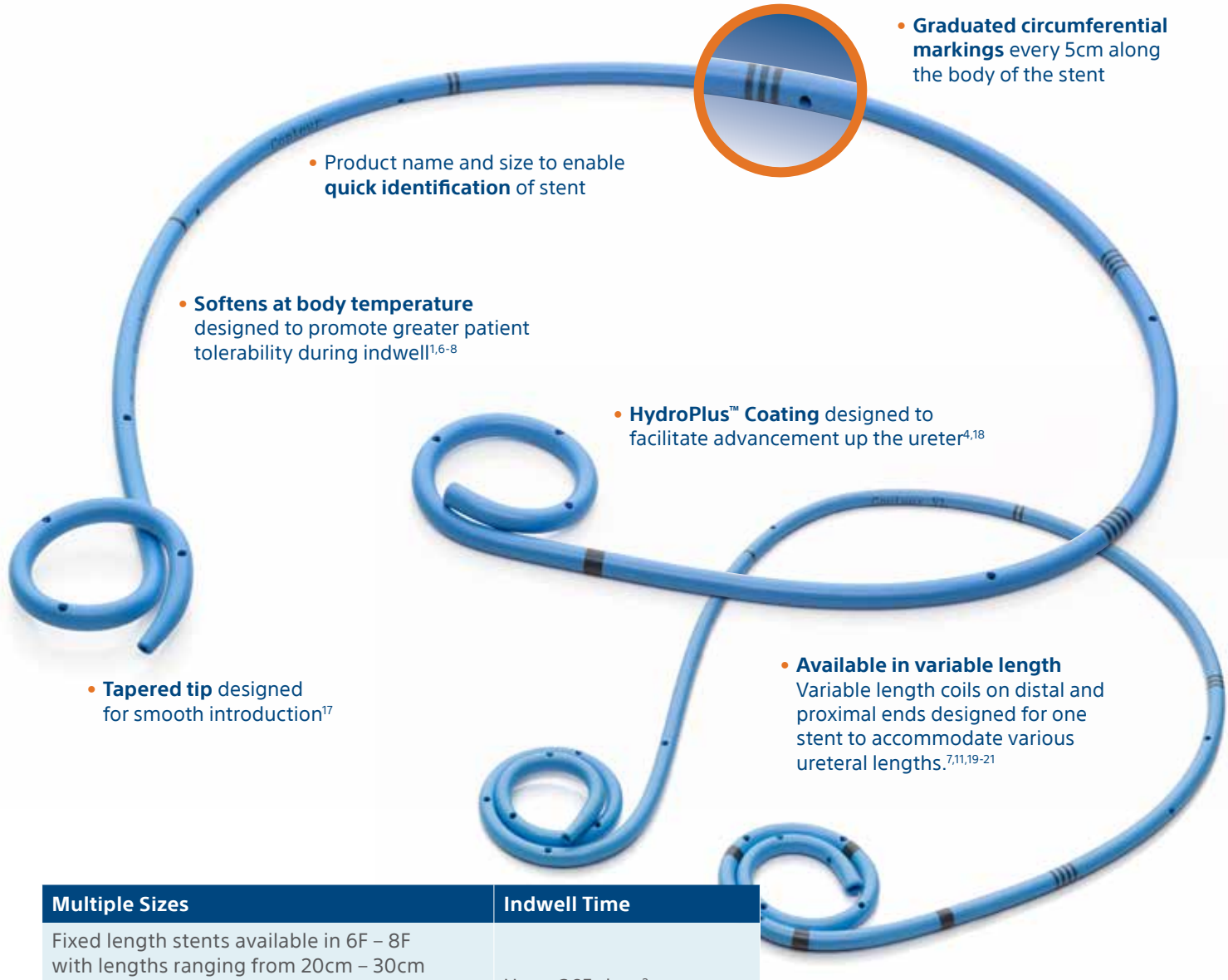
Multiple Sizes	Indwell Time
Available in 4.8F – 8F with lengths ranging from 10cm – 30cm	Up to 365 days[2]

Now also with SureDrive™ steerable option for Percuflex Plus, Contour and Contour VL

Contour™ and Contour VL™ Ureteral Stents

The soft stent designed to conform.[1,6,9]

What sets Contour and Contour VL Ureteral Stents apart? These stents are made of soft Percuflex™ material that softens even further at body temperature,designed to conform to the shape of the ureter.[1,6-9] This unique material may promote patient tolerance,and its variable coil length may accommodate various ureteral lengths.[6-8,11,19-21]



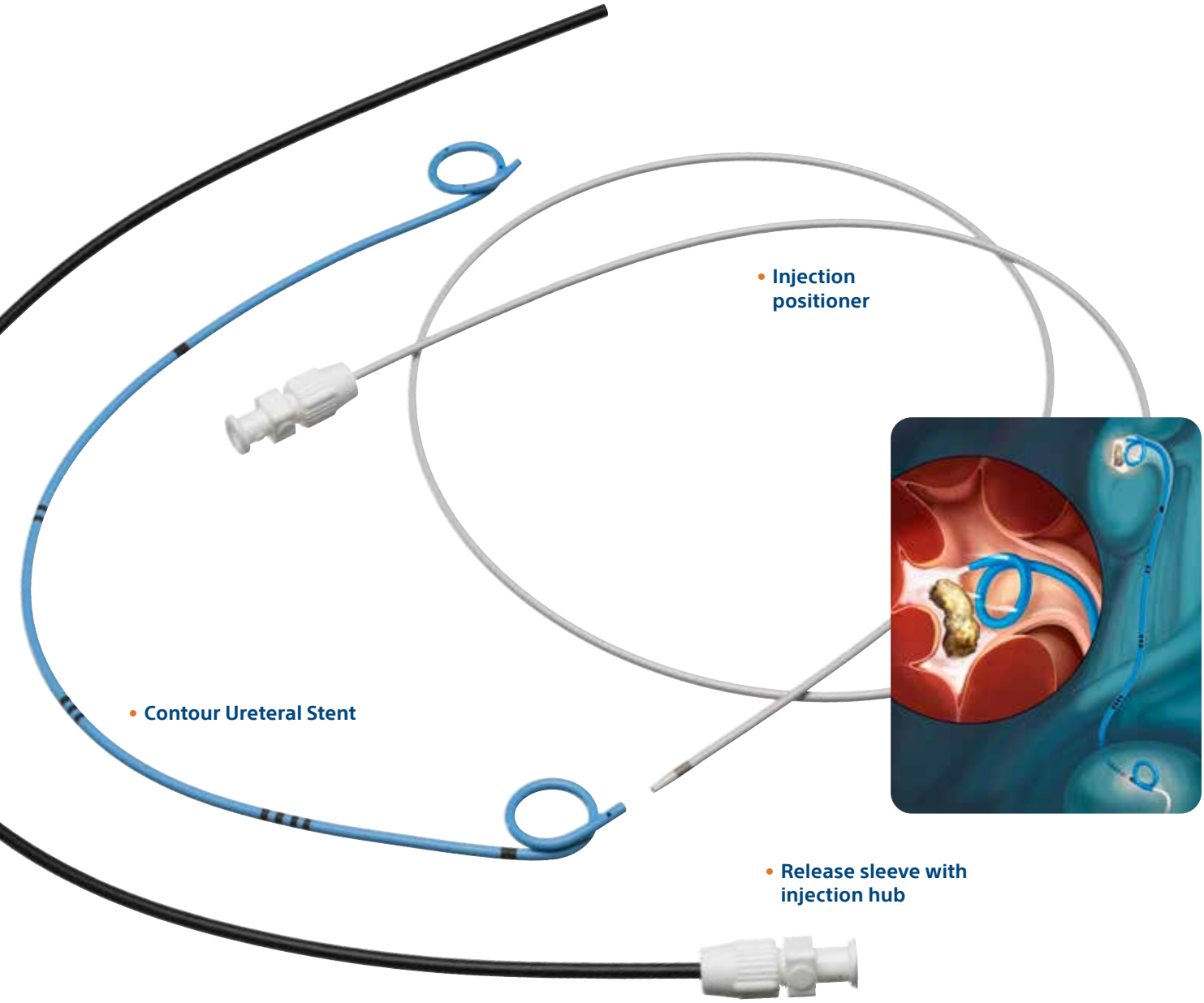
Multiple Sizes	Indwell Time
Fixed length stents available in 6F – 8F with lengths ranging from 20cm – 30cm	Up to 365 days[2]
Variable length stents available in 4.8F – 7F with lengths of 22cm – 30cm	

- Allows controlled advancement of the stent
- Ability to retract the stent if placed too far up the ureter
- Ability to rotate the stent, enabling renal coil formation
- Ability to position the bladder coil as desired
- Enables quick placement of the stent
- Simple release of the stent

Contour™ Injection Ureteral Stent Set

The stent platform that shows you the way.

Increasing your visualization provides you with improved control. That's why we designed the Contour Injection Ureteral Stent Set that gives you the ability to deliver contrast designed to improve visualization under fluoroscopy. This complete set includes an injection positioner, catheter connector, and release sleeve with injection hub, packaged with a Contour Ureteral Stent and guidewire. This unique stent is made of soft Percuflex™ material that softens even further at body temperature,[1,9] designed to conform to the shape of the ureter and promote patient tolerance.[6-8]

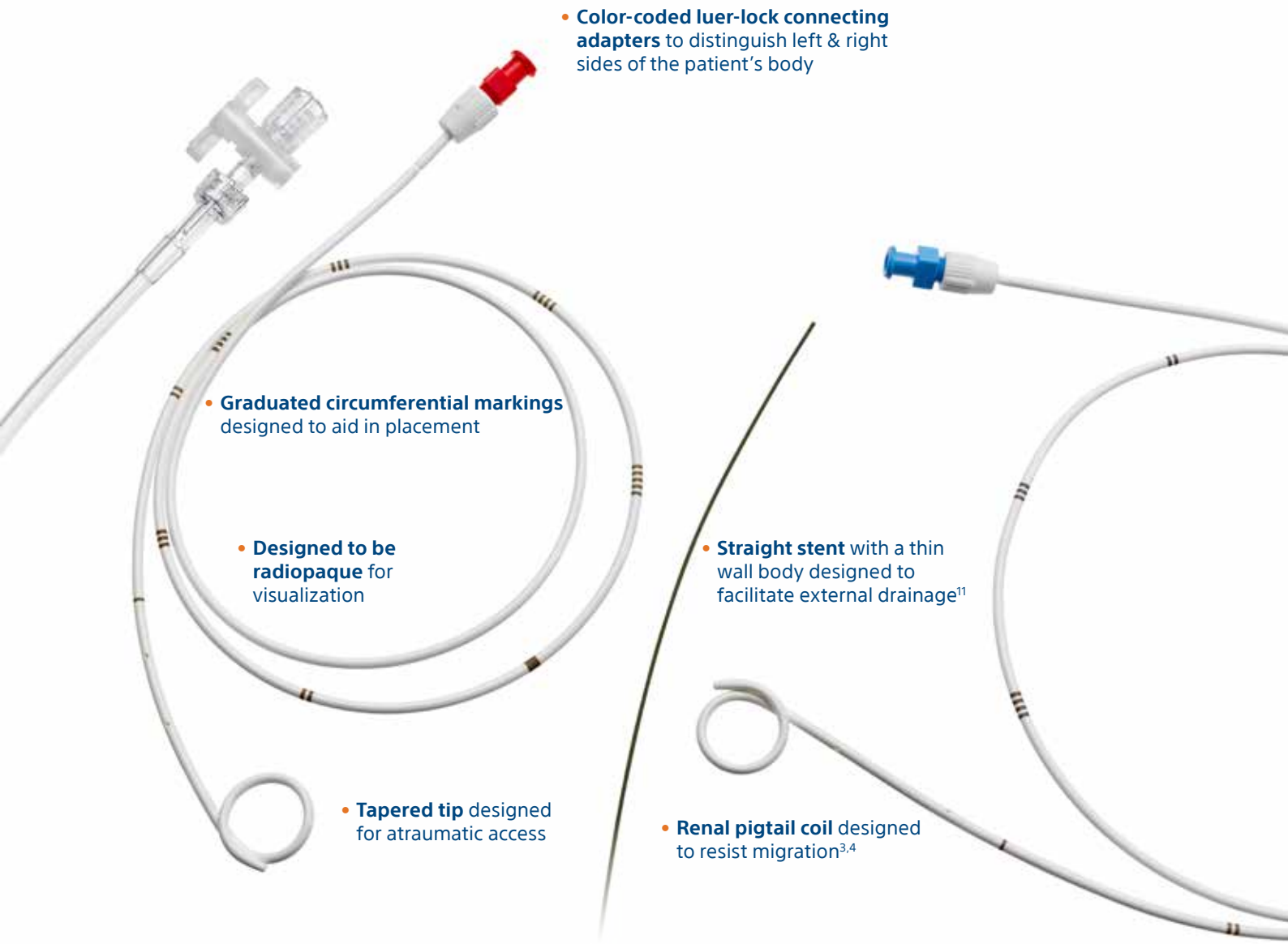


Multiple Sizes	Indwell Time
Fixed length stents available in 4.8F – 7F with lengths ranging from 20cm – 30cm	Up to 365 days[2]
Variable length stents available in 4.8F – 7F with lengths of 22cm – 30cm	

Percuflex™ Urinary Diversion Stent Set

The stent set designed for optimal drainage.[22]

Sometimes you need to ensure optimal urinary system drainage from the patient's body. Used for external drainage following urinary diversion procedures, the Percuflex Urinary Diversion Stent Set is the perfect solution.[11] The single renal coil is designed to securely hold the stent in position while the straight stent with a thin wall body is designed to facilitate external drainage.[11] The set contains two stents, guidewire, catheter adaptors and a drainage bag connector, so you can be confident you have everything you need when external drainage is a must.

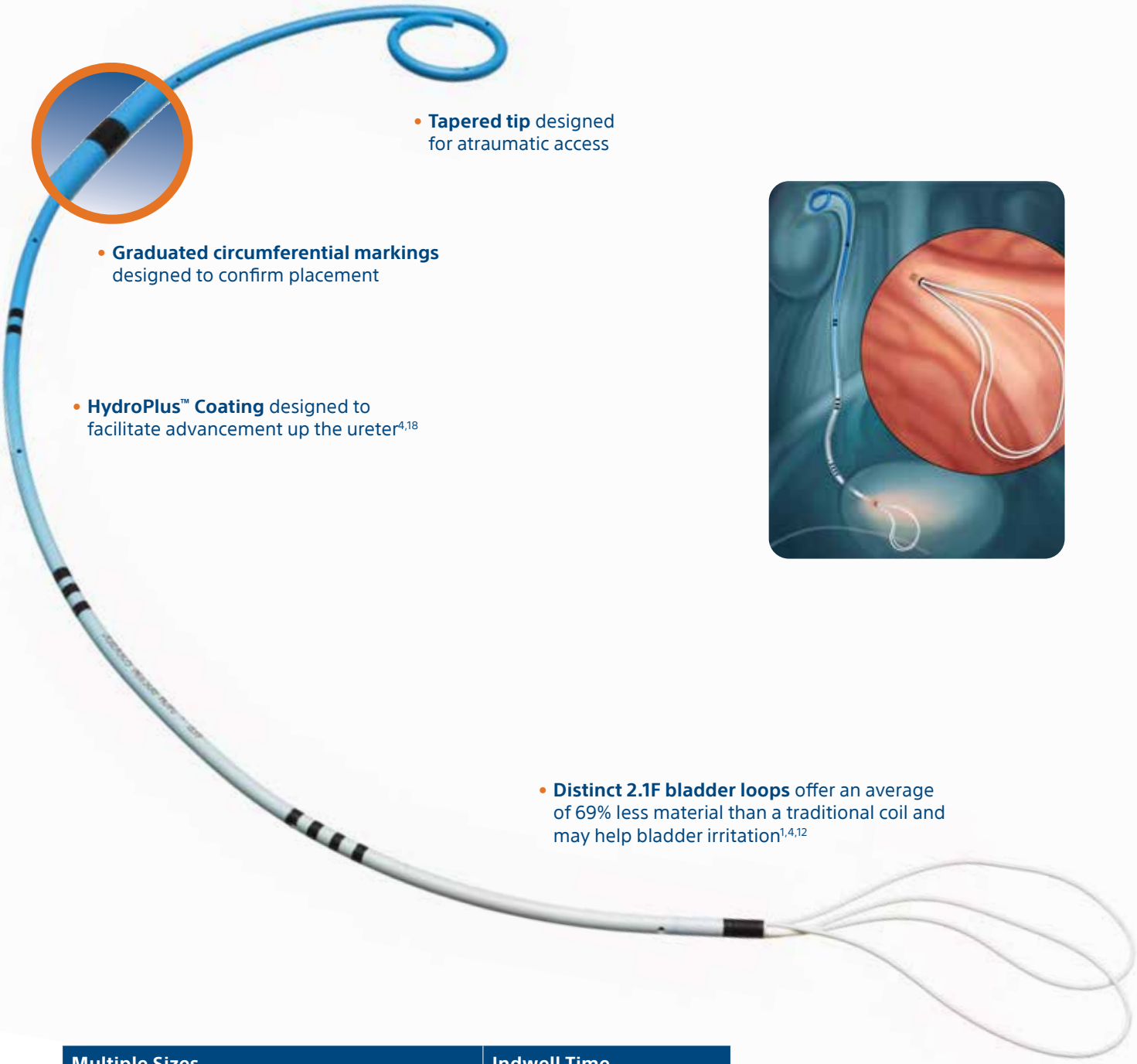


Multiple Sizes	Indwell Time
Offered in both closed and open tip configuration	Up to 90 days[30]
Available in 6F – 8F with length of 80cm	

Polaris™ Loop Ureteral Stent

Proprietary loop design. Less bladder irritation.[12]

You never want to be thrown for a loop; however, the Polaris Loop Ureteral Stent may be the exception. This dual-durometer stent features two unique bladder loops that result in an average of 69% less material in your patient's bladder than a traditional stent.[1,4] Ideally, that means less bladder irritation.[12] The stent is also designed to deliver optimal drainage, giving you confidence in the stent's performance during indwell.

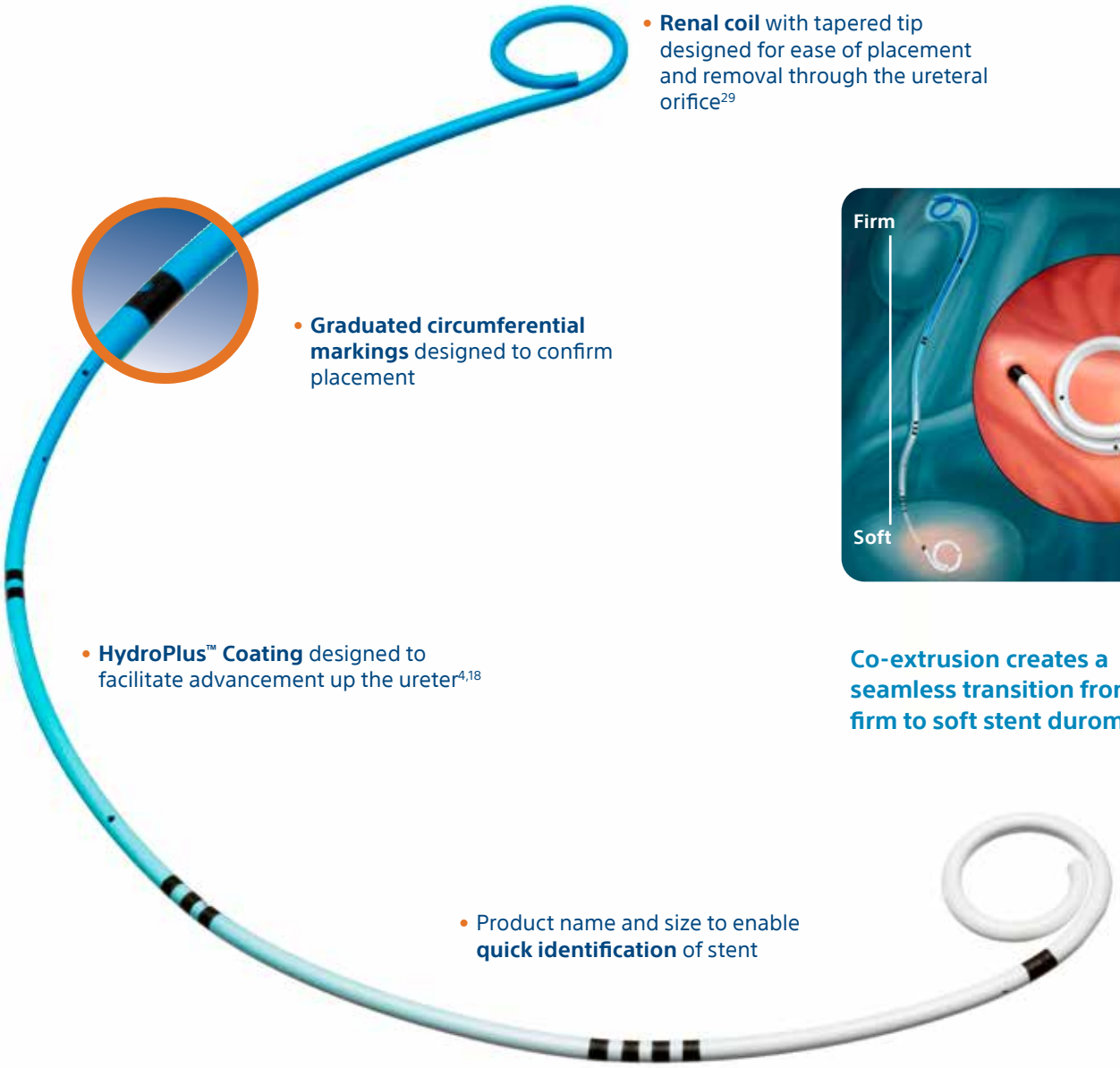


Multiple Sizes	Indwell Time
Available in 5F – 8F with lengths ranging from 10cm – 30cm	Up to 365 days[2]

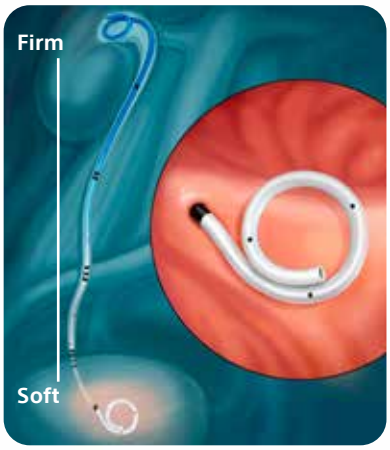
Polaris™ Ultra Ureteral Stent

Firm where it needs to be. Soft where it matters.[6,13]

Every patient wants the least bladder irritation possible with their ureteral stent. We developed the Polaris Ultra Ureteral Stent that features a distinct soft Nautilus™ Bladder Coil designed to minimize bladder irritation.[6,8,13] Its proprietary co-extrusion technology allows the stent to be firm in the kidney and soft in the bladder – creating a seamless transition from firm to soft so you can promote patient tolerance.[6,13] These unique features combined with a tapered renal tip are designed for ease of stent placement and removal.[29]



- **Renal coil** with tapered tip designed for ease of placement and removal through the ureteral orifice[29]
- **Graduated circumferential markings** designed to confirm placement
- **HydroPlus™ Coating** designed to facilitate advancement up the ureter[4,18]
- Product name and size to enable **quick identification** of stent
- **Soft Nautilus Bladder Coil** designed to reduce bladder irritation[6,8,13]



Co-extrusion creates a seamless transition from firm to soft stent durometer.[1]

Multiple Sizes	Indwell Time
Available in 5F – 8F with lengths ranging from 10cm – 30cm	Up to 365 days[2]

EDUCARE

Discover a valuable portfolio of personalised educational and training opportunities

Medical education is a vital component of a safe procedure adoption. Boston Scientific offers an extensive program of EDUCARE training opportunities in Endourology.

Multi-stage programmes, delivered in specialist centers and online by recognized experts, have been developed in partnership with healthcare professionals, for healthcare professionals such as nurses, young residents, fellows and skilled doctors.

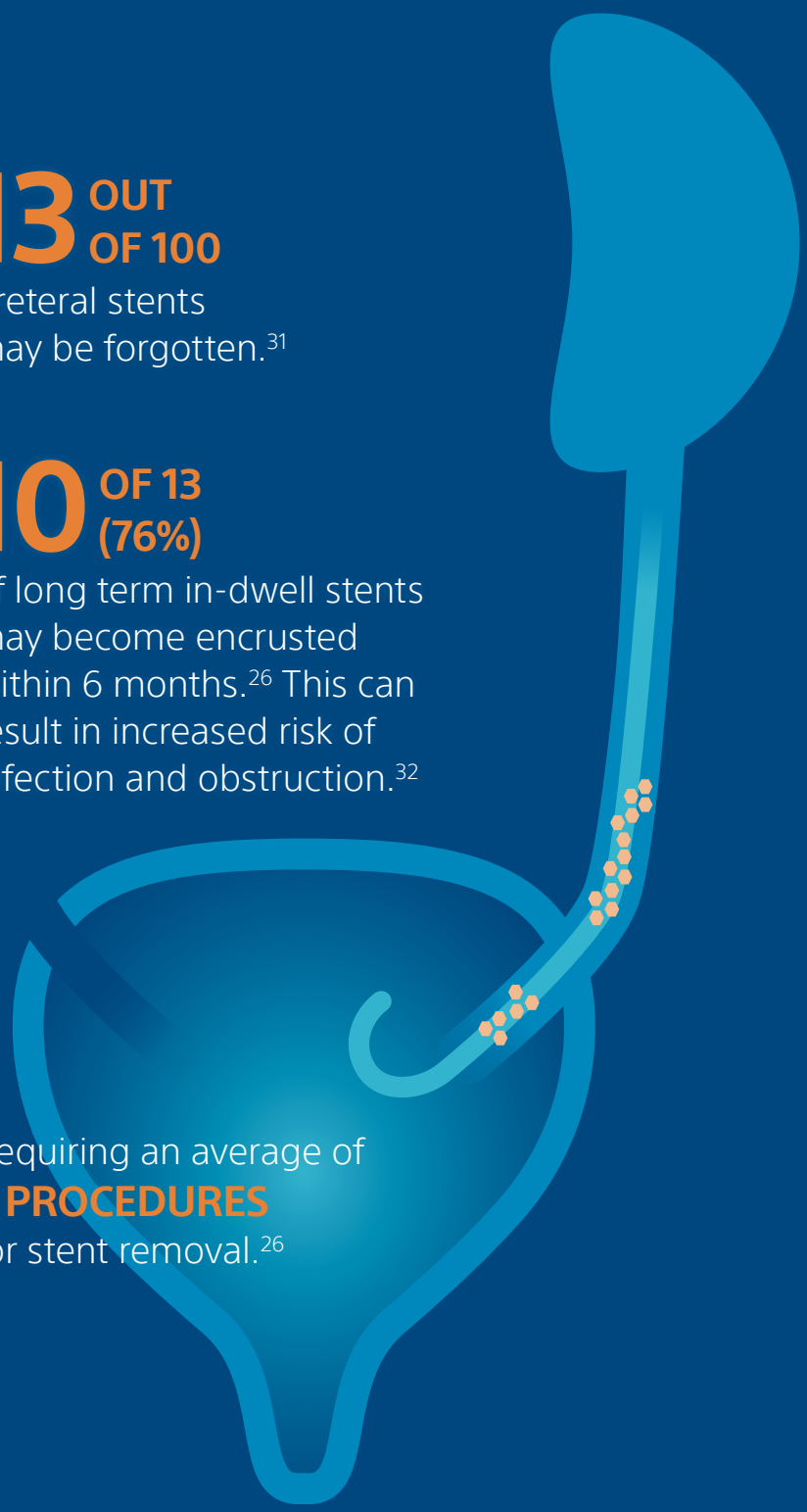
Through EDUCARE, Boston Scientific guarantees high standards of education and innovation, strengthening relationships with healthcare professionals, increasing and improving expertise and knowledge – and advancing science for life.

For more information about the courses and their formats please contact your local sales representative or visit **educare.bostonscientific.eu**

What happens when ureteral stents are forgotten?

13 OUT OF 100
ureteral stents may be forgotten.[31]

~10 OF 13 (76%)
of long term in-dwell stents may become encrusted within 6 months.[26] This can result in increased risk of infection and obstruction.[32]



Requiring an average of
2 PROCEDURES
for stent removal.[26]

To learn more about all of our stent solutions, visit
www.bostonscientific.com/en-EU/medical-specialties/urology/products.html

1. Data on file with Boston Scientific. Bench test results may not necessarily be indicative of clinical performance.
2. Biocompatible material designed for up to a 365-day indwelling time. Where long-term use is indicated, it is recommended that indwelling time for stent (with retrieval line removed) not exceed 365 days. This stent should be evaluated by the physician on or before 90 days post-placement.
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28. Testing was performed by an independent third-party using the in-vitro BEST™ method to evaluate salt adhesion of the ureteral stents. A total of 30 samples from each ureteral stent family were tested in both a sterile Artificial Urine Model and a Bacterial Infection Model (n=15 in each model) for 2 weeks. *Proteus mirabilis* was used as the microbial challenge in the Bacterial Infection Model due to its known urease production and involvement in struvite formation.
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CAUTION: The law restricts these devices to sale by or on the order of a physician. Indications, contraindications, warnings and instructions for use can be found in the product labelling supplied with each device. Information for use only in countries with applicable health authority registrations. Material not intended for use in France

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Advancing science for life™

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