



MEDORAH MEDITEK®
Improving Lives



OUR VISION

- To be recognised as a global MedTech leader that offers cutting edge diagnostic and therapeutic solutions to alleviate people's suffering and help them lead longer and more fulfilling lives.

OUR MISSION

- Medorah Meditek is dedicated to improving lives by developing innovative and cost effective solutions in healthcare.
- We are committed to delivering the greatest possible reliability and uncompromised quality in our products.
- We want to be recognized as a company of integrity and incredible customer service.
- We want to create an environment where our employees perform up to their full potential and get an equal opportunity to share the company's success.

MEDORAH MEDITEK PVT. LTD.

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MEDORAH[®]

BITE BLOCK

MEDORAH[®] Disposable Bite Blocks help protect both your patient and your equipment. Our bite blocks ensure that the mouth of the patient remains open during endoscopy.

Designed to provide the highest level of comfort to patients. The bite blocks we offer have a secure, comfort-fit design and an insertion port for endoscopes. Our bite blocks also protect the patient's teeth and the delicate instruments, including endoscopes, when inserted.

Key Features:

- Single-use
- Adult and Pediatric bite blocks available with or without a strap.
- Flexible, sturdy, and comfortable design.
- Large side ports for easy scope repositioning and suction access.

Reference No.	Description
1948	Adult Bite Block with Strap
1938	Paediatric Bite Block with Strap



MEDORAH[®]

BIOPSY FORCEPS

MEDORAH[®] Single-Use Biopsy Forceps provide superior tissue sampling performance to meet various clinical requirements. The powerful Stainless Steel jaw configuration provides exceptional sample handling and sample retention for accurate and precise diagnosis.

Key Features:

- Single use and sterile device designed to eliminate risk of cross contamination
- High quality Stainless Steel and sharpened jaws configuration ensure superior tissue sample retrieval performance even from challenging locations
- Jaws design engineered for precision closure to allow superior, clean biting performance
- Optimized balance of columnar strength and flexibility provide enhanced passability through tortuous anatomies
- Smoothened outer surface assist in the insertion and withdrawal of forceps by effectively decreasing the friction between the working channel to enhance procedural safety

Model Name	Reference No	Length(cm)	O.D(mm)	Min Working Channel (mm)
Oval Cup Fenestrated without Spike	1112	160	2.3	2.8
	1116	230	2.3	2.8
	1216	160	2.4	2.8
	1223	230	2.4	2.8
Oval Cup Fenestrated with Spike	1114	160	2.3	2.8
	1118	230	2.3	2.8
	1316	160	2.4	2.8
	1323	230	2.4	2.8
Oval Cup Fenestrated without Spike	1218	120	1.8	2.0
	1221	120	1.8	2.0
	1224	120	2.4	2.8
Oval Cup Fenestrated with Spike	1324	120	2.4	2.8
Alligator Cup	1235	120	1.8	2.0
	1227	120	2.3	2.8
Alligator Cup with Spike	1245	120	1.8	2.0
	1237	120	2.3	2.8

MEDORAH®

DISPOSABLE BIOPSY FORCEPS (SWING JAWS)

Model Name	Reference No	Length(cm)	O.D(mm)	Min Working Channel (mm)	Jaw design
Oval Cup Fenestrated without Spike	1580	160	2.4	2.8	Serrated
	1560	160	2.4	2.8	Plain
	1590	230	2.4	2.8	Serrated
	1570	230	2.4	2.8	Plain
Oval Cup Fenestrated with Spike	1562	160	2.4	2.8	Plain
	1582	160	2.4	2.8	Serrated
	1572	230	2.4	2.8	Plain
	1592	230	2.4	2.8	Serrated

ALFIOS[®]

POLYPECTOMY SNARE

Medorah Polypectomy snares are designed to be used endoscopically to grasp, dissect and transect tissue during gastrointestinal endoscopic procedure.

Key Features:

- Single use oval snare design ensures patient safety
- 360 degree clockwise and counter clockwise rotation of snare allows access to difficult polyps of various sizes and shapes
- Snare made with special braided wire provides strong, stability and precise cutting properties as well as maximum coagulation and control
- Ergonomic design of a 3-ring handle that's easier to hold and use.
- Standard power connection compatible with all main high-frequency devices in the market.
- 230cm PTFE sheath derives low coefficient of friction for smooth insertion.
- EO sterilized prior to delivery

Reference No.	Diameter (mm)	Length (cm)	Shape	Loop Size (mm)	Rotation
3115	2.4	230	Oval	15	Yes
3125	2.4	230	Oval	25	Yes
3135	2.4	230	Oval	35	Yes

MEDORAH[®]

FOREIGN BODY GRASPING FORCEPS

Medorah offers a range of single-use, disposable Foreign Body Grasping Forceps to suit various clinician's requirements. The models available include a variety of jaw shapes that are available in two working lengths.

Key Features:

- Ergonomically shaped handle to enhance procedure efficiency and safety
- Single use and sterile device designed to eliminate reprocessing and risk of cross contamination
- Hybrid jaw configuration that combines Alligator and Rat tooth capabilities in one device for a firm gripping ability
- Precise targeting and easy positioning enhanced through the rotation function of the device

Model Name	Reference No.	Working Length (cm)	O.D (mm)	Rotation
Rat tooth	2116	160	2.3	No
	2123	230	2.3	No
Alligator	2316	160	2.3	No
	2323	230	2.3	No
Rat tooth+ Alligator (Hybrid)	2328	230	2.3	Yes
Rat tooth+ Alligator (Hybrid)	2320	160	1.8	No



FORENET[®]

FOREIGN BODY RETRIEVAL NET

Foreign Body Retrieval Net is used for endoscopic removal of foreign bodies from the Gastrointestinal tract and Respiratory tract.

Key Features:

- Single-use disposable device avoids risk of cross-contamination
- Strong nylon material used for net provides strength and durability throughout the procedure
- Reliable design opening of net to full capacity to effectively grasp tissue, foreign body or food bolus
- Continued visibility throughout the net

Reference No.	Sheath Diameter (mm)	Length (cm)	Approximate Net Size (mm)	Minimum Working Channel (mm)
2336	2.5	230	30 x 60	2.8
2346	2.5	230	40 x 65	2.8
2318	1.8	160	30 x 60	2.0
2325	1.8	120	25 x 55	2.0



MEDORAH[®]

MULTI-BAND LIGATOR

Used for endoscopic ligation of esophageal varices at or above gastroesophageal junction. Supplied non-sterile and are intended only for single use.

Key Features:

- Designed to provide excellent visibility
- Double string deployment for efficient tissue capture, band placement and retention

Description	Reference No.	Minimum Working Channel (mm)	Scope O.D. (mm)	No. of Bands
Multiple Band-Ligator Kit (Ligating Unit and Handle)	8601	2.8	9.5-11.0	6
Multiple Band Ligator	8602	2.8	9.5-11.0	6
Band Ligator Handle	8608	2.8	-	-



MEDORAH[®]

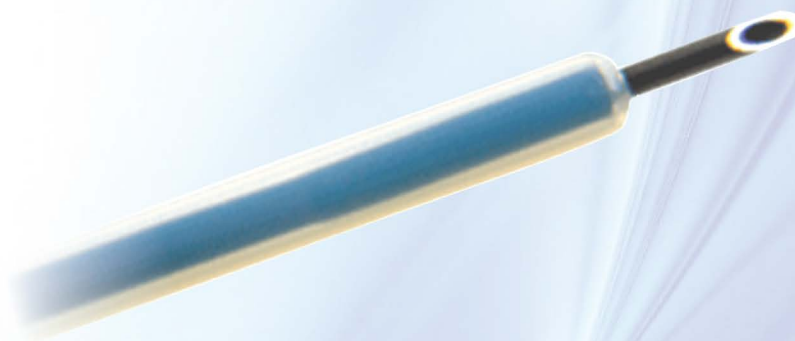
SCLEROTHERAPY NEEDLE

MEDORAH[®] Sclerotherapy needle is intended to be used for the endoscopic injection of sclerotherapy agents and dyes into esophageal or colonic varices. It is also indicated to inject saline to aid in Endoscopic Mucosal Resection (EMR) and polypectomy procedures.

Key Features:

- Ergonomically designed handle with thumb actuated needle extension mechanism allows smooth needle advancement and retraction
- Bevelled needle enhances ease of injection
- Inner and outer catheters lock together to secure the needle in place; No accidental piercing
- Clear, transparent outer catheter sheath allows visualisation of needle advancement

Reference No.	Catheter Length(cm)	Catheter OD(mm)	Needle Size
4212	200	2.3	21 G
4218	180	2.3	21 G
4232	200	2.3	23 G
4238	180	2.3	23 G
4321	230	2.3	21 G
4323	230	2.3	23 G
4325	230	2.3	25 G



MEDORAH[®]

PEG KIT

Kit includes:

- | | |
|------------------------------------|-------------------------------------|
| 1 Traction Removable Pull PEG Tube | 1 10ml Syringe |
| 1 Feeding Adapter | 1 Disposable Scalpel with #11 Blade |
| 1 Feeding Adapter with Luer Lock | 1 Introducer Needle |
| 1 Retention Ring | 1 Tubing Clamp |
| 1 25G Needle | 4 10*10 Gauze Sponges |
| 1 19G Needle | 1 Fenestrated Drape |
| 1 Placement Wire (0.6mm*2600mm) | |

Reference No.	Peg Tube Size
8508	24 Fr
8507	20 Fr



VALOUR[®]

ELECTROSURGICAL KNIVES



TRIANGLE TIP WITH JET

- Unique design for maximum performance
- The jet function lets you perform saline injection after cutting — without the requirement of switching devices
- Compact triangular tip design enables accurate and efficient cutting and coagulation
- From marking to dissection, the triangular shape of the tip is designed to address multiple stages of the procedure.



HOOK KNIFE

- The L shaped, rotatable hook knife is ideal for hooking the tissue and for pulling it away from mucosa
 - The hook knife enables cutting in both horizontal and vertical directions
 - The knife can be used for both incision and dissection, as well as for cutting fibrous tissue
- Knife has a 1:1 rotation with the device handle



IT KNIFE

- Insulated, ceramic tip helps perform incisions and dissections more effectively
- Improved efficiency and cutting safety



MEDORAH[®]

BOUGIE DILATOR

MEDORAH[®] Bougie Dilator is used to dilate strictures of the gastrointestinal tract, including strictures of the Esophagus.

Key Features:

- Various bougie sizes to accomodate different requirements
- Equipped with radiopaque markers on each bougie for X-ray visualization

Reference No.	Dilator Length (cm)	Set	Dilator Diameter (mm)
8780	85	6 Dilator	5, 7, 9, 11, 13, 15
8790	85	16 Dilator	5-20



PANZER™

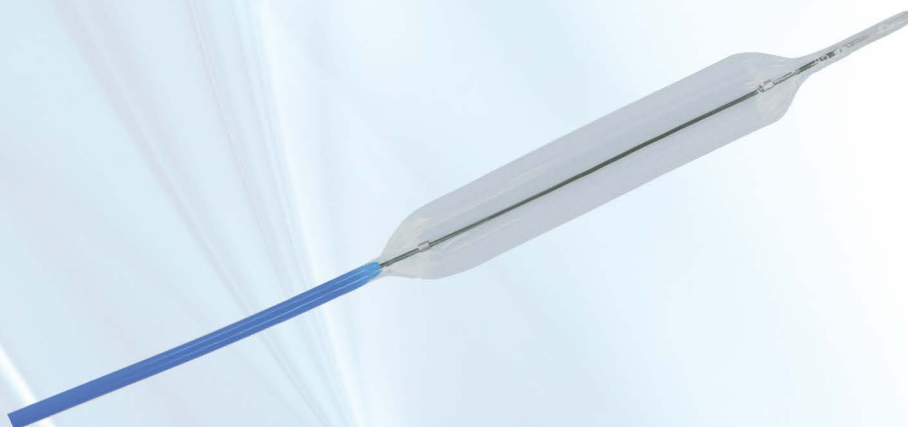
WIRE GUIDED MULTI-STAGE BALLOON DILATOR

PANZER™ Wire-Guided Multi-Stage Balloon Dilator is intended to endoscopically dilate strictures of the gastrointestinal tract.

Key Features:

- Designed to produce three distinct diameters at three different pressures
- Softer atraumatic tip allows efficient navigation within tortuous strictures while protecting sensitive anatomy
- Ultra-clear, transparent balloon material and rounded shoulders enable excellent stricture visualization while dilatation
- Radiopaque marker bands positioned at the shoulders allow precise dilatation location
- Rapid balloon deflation for easy removal from the scope

Reference No.	Balloon Diameter (mm)	Balloon length (mm)	Catheter O.D. (mm)	Catheter Length (cm)
3551	6-7-8	55	2.3	230
3552	8-9-10	55	2.3	230
3553	10-11-12	55	2.3	230
3554	12-13.5-15	55	2.3	230
3555	15-16.5-18	55	2.3	230
3556	18-19-20	55	2.3	230



MEDORAH[®]

OTW BILIARY BALLOON DILATOR

Single-use Medorah Biliary Balloon Dilators are designed for dilatation of occluded biliary ducts. This device is made using specially-treated materials for optimal procedural performance.

Key Features:

- Transparent material that increases visibility through the balloon
- Quick inflation time with unique compact shape
- Embedded radiopaque marker bands that facilitates precise balloon placement
- Made with unique balloon folding process for lower diameter profile that eases passage through the scope
- High pressure resistance material, ensuring safe dilation
- Atraumatic tip designed to reduce potential for tip impactions

Reference No.	Balloon Diameter (mm)	Balloon length (mm)	Catheter O.D. (mm)	Catheter Length (cm)
3721	6	30	2.2	190
3723	8	40	2.2	190
3724	10	30	2.2	190



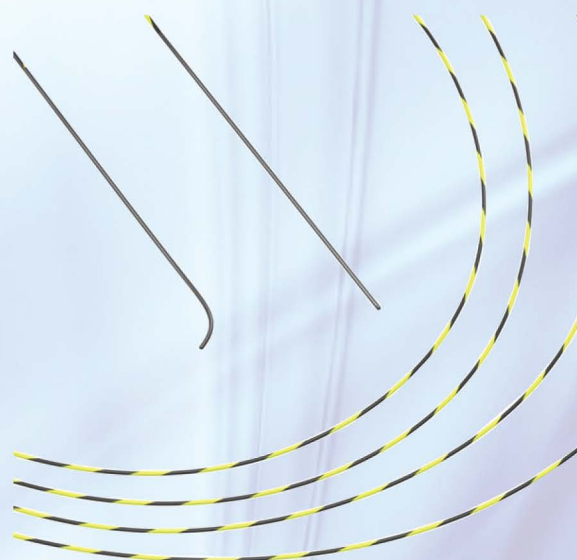
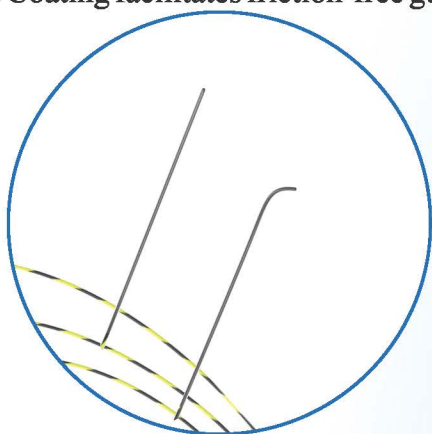
JAQUAR™

ERCP GUIDEWIRE

JAQUAR- High performance Guidewire facilitates Biliary Cannulations and negotiation of difficult anatomies during ERCP procedure

Key Features:

- Twin colour pattern enhances endoscopic visualization
- Kink Resistant core offers excellent maneuverability and pushability
- 5cm Hydrophilic Distal Tip provides smooth navigation
- Radiopaque Tip provides better control and access
- PTFE Coating facilitates friction-free guidewire movement



JAQUAR™ SLIM

- JAQUAR SLIM- Twin colour pattern provides better trackability and visualization
- Kink Resistant & Thick Core offers excellent maneuverability through tight strictures
- 5cm Hydrophilic Distal Tip provides smooth navigation
- Radiopaque Tip provides better control and access
- PTFE Coating facilitates friction-free guidewire movement

Model Name	Reference No.	Tip Type	Diameter (inch)	Working Length (cm)
JAQUAR	5250	Straight	.025	450
	5350	Straight	.035	450
	5351	Angle	.035	450
	5381	Straight	.038	260
JAQUAR Slim	5258	Straight	.025	450
	5259	Angle	.025	450
	5251	Angle	.025	450

MEDORAH[®]

TRIPLE LUMEN SPHINCTEROTOME

MEDORAH[®] Triple Lumen Sphincterotome is designed to cut/or make an incision in the sphincter muscle.

Key Features:

- Three separate lumens for guidewire, cutting wire and injection of contrast medium
- Stable orientation of the cutting wire
- Distal marking system to aid in sphincterotomy
- Excellent visibility under fluoroscopy/endoscopic view
- Pre-curved tapered tip enables easy cannulation
- Insulated Coating on the cutting wire not only reduces the risk of damage to the surrounding tissue, but also minimizes the risk of electrical contact between the wire and the endoscope
- 15° swing to the left/right which facilitates the cannulation
- L-R Window indicates the direction status during the procedure

Model Name	Reference No	Cutting Length (mm)	Catheter Diameter (mm)	Catheter Length (cm)
Sphincterotome with Insulated Wire	6720	20	2.4	200
	6725	25	2.4	200
	6730	30	2.4	200
Sphincterotome without Insulated Wire	6420	20	2.4	200
	6425	25	2.4	200
	6430	30	2.4	200



MEDORAH[®]

TRIPLE LUMEN NEEDLE KNIFE

MEDORAH[®] Triple Lumen Needle Knives are specifically designed for incision of the papilla of Vater prior to ERCP.

Key Features:

- Excellent visibility under fluoroscopy enables precise positioning of the device
- Tapered tip design for smooth insertion into the papilla while keeping the incision as small as possible
- Separate lumens for guidewire, cutting wire, and injection of contrast medium
- Ergonomic handle with easy-to-grip design for excellent control and negotiation
- Distal part rotates well while Duodenoscope is in elevated position

Model Name	Reference No	Cutting Length (mm)	Catheter Diameter (mm)	Catheter Length (cm)
Needle Knife	6821	6	2.4	200



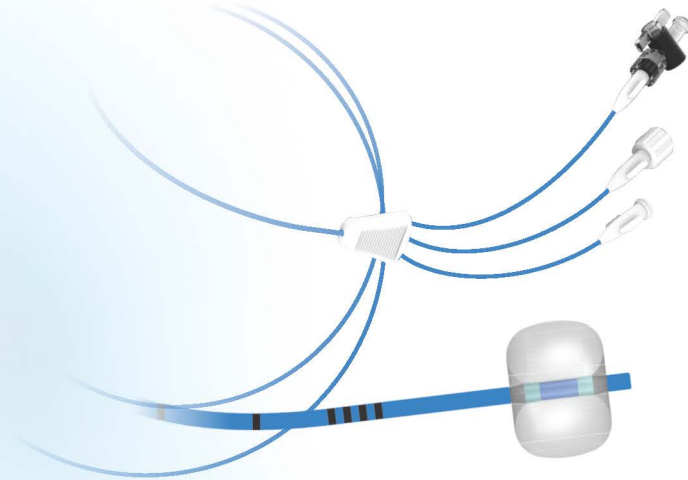
CAPTOR[®]

TRIPLE LUMEN STONE EXTRACTION BALLOON

New CAPTOR[®] Triple Lumen Stone Extraction Balloons are equipped with both endoscopic and fluoroscopic indicators providing a reliable solution for biliary stone extraction. The device has an atraumatic catheter tip for safe passage into the papilla and the bile duct. Captor[®] Stone retrieval balloon has apple shape that lies flat against the bile duct wall, facilitating efficient stone removal.

Key Features:

- New and improved balloon provides excellent strength and reliability.
- Three separate lumens for guide wire, injection and inflation make the insertion and radiography more convenient.
- Balloon hybrid material provides excellent durability and resistance to breakage.
- Newly developed stiff catheter improves pushability of the device allowing easy removal of stones that are impacted within the bile duct.
- Unique distal tapered tip of size 5.6Fr allows smooth catheter insertion into the papilla and CBD pushing past the stone or stricture.
- Endoscopic markers present on the distal tip of the device enables easy, precise positioning of the balloon.
- Equipped with radiopaque markers for enhanced fluoroscopic visualization of the device.



Reference No.	Balloon Inflated O.D. (mm)	Catheter O.D. (Fr/mm)	Minimum Working Channel (mm)	Catheter Length (cm)
7304	9-12-15	7 / 2.33	2.8	200
7305	12-15-18	7 / 2.33	2.8	200

MEDORAH[®]

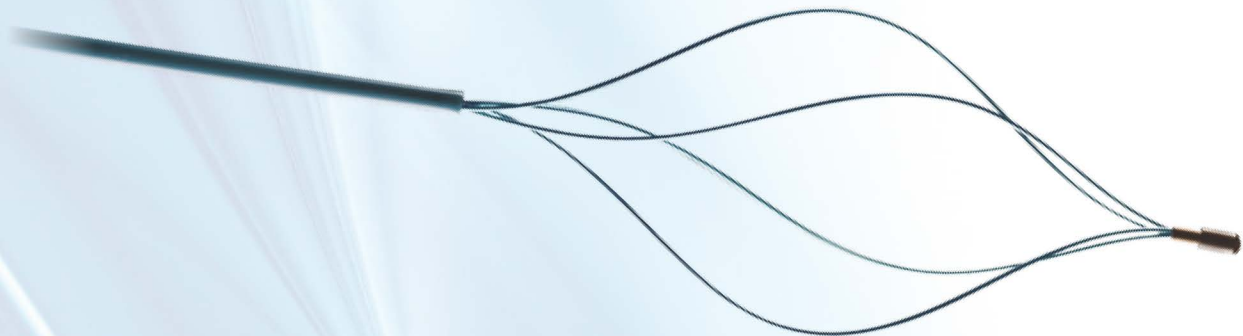
STONE RETRIEVAL BASKET

MEDORAH[®] Stone Retrieval Basket is intended to extract stones from the biliary ducts and foreign bodies from the lower and upper digestive tract. Our single-use stone extraction basket comes in a conventional four-wire design intended to retrieve various sized stones from the biliary duct.

Key Features:

- Single-use
- Rotatable
- Atraumatic tip allows smooth insertion into the ducts

Reference No.	Type (4 Wire)	Basket Length (mm)	Catheter O.D. (mm)	Working length (cm)	Minimum working channel (mm)
7401	Dormia	40	2.4	200	2.8
7402	Basket	40	2.4	200	2.8
7601	Dormia	60	2.4	200	2.8
7602	Basket	60	2.4	200	2.8
7954	Wire Guided	40	2.4	200	2.8
7956	Wire Guided	60	2.4	200	2.8



MEDORAH[®]

PLASTIC STENTS

BILIARY STENTS

MEDORAH[®] Double Pigtail Biliary Stent

When performance is crucial, choose the **MEDORAH[®]** Biliary Stent. The double pigtail design reduces migration whilst multiple side holes on the pigtail facilitate effective duct drainage.

Key Features:

- Double Pigtail design minimizes migration
- Tapered tip facilitates smooth cannulation through tortuous anatomies
- Optimal combination of flexibility and resistance to occlusion
- Radiopaque material enhances fluoroscopic visualization for effective positioning



DOUBLE PIGTAIL				
	5 Fr	7 Fr	8.5 Fr	10 Fr
3cm	9769	9779	9789	9799
5cm	9768	9778	9788	9798
7cm	9717	9721	9725	9729
10cm	9718	9722	9726	9730
12cm	9719	9723	9727	9731
15cm	9720	9724	9728	9732

MEDORAH[®] Amsterdam Type Biliary Stent

The duodenal curve of the **MEDORAH[®]** Biliary Stent facilitates effective introduction and positioning of the stent in the bile duct.

Key Features:

- Proximal and distal flaps minimize stent migration
- Tapered tip facilitates smooth cannulation through tortuous anatomies
- Configures to the bile duct anatomy due to its curved shape
- Radiopaque material enhances fluoroscopic visualization for effective positioning



AMSTERDAM				
	5 Fr	7 Fr	8.5 Fr	10 Fr
7cm	9701	9705	9709	9713
10cm	9702	9706	9710	9714
12cm	9703	9707	9711	9715
15cm	9704	9708	9712	9716

MEDORAH® Straight Type Biliary Stent

The Straight type plastic Biliary Stent enables smooth drainage of obstructed bile ducts and adapts perfectly within the patient's lumen.

Key Features:

- Fluoroscopic visibility is enhanced with the radiopaque material
- Tapered tip facilitates smooth cannulation through tortuous anatomies
- Proximal and distal flaps minimize stent migration



STRAIGHT				
	5 Fr	7 Fr	8.5 Fr	10 Fr
7cm	9749	9753	9757	9761
10cm	9750	9754	9758	9762
12cm	9751	9755	9759	9763
15cm	9752	9756	9760	9764

MEDORAH® Single-Pigtail Type Biliary Stent

MEDORAH® Single Pigtail Stent is made of flexible yet strong material. The stent allows effective drainage through the duct and conforms well to the anatomy.

Key Features:

- Tapered tip eases entrance and smooth cannulation into the duct
- Pigtail design minimizes stent migration
- Accurate positioning is enhanced with the use of radiopaque material

SINGLE PIGTAIL				
	5 Fr	7 Fr	8.5 Fr	10 Fr
3 cm	9771	9781	9791	9801
5cm	9770	9780	9790	9800
7cm	9733	9737	9741	9745
10cm	9734	9738	9742	9746
12cm	9735	9739	9743	9747
15cm	9736	9740	9744	9748



PANCREATIC STENTS

MEDORAH® Single Pigtail Type Pancreatic Stent

MEDORAH® Pancreatic Stents are designed to meet specific needs and the pigtail with flap stent design aids in positioning the stent appropriately in the pancreatic duct.

Key Features:

- Duodenal pigtail and flap design minimize stent migration
- Side holes on the pigtail enhance effective duct drainage
- Tapered tip facilitates smooth cannulation through tortuous anatomies
- Fluoroscopic visibility is enhanced by radiopaque material

SINGLE PIGTAIL				
	5 Fr	7 Fr	8.5 Fr	10 Fr
3cm	9553	9560	9567	9574
5cm	9554	9561	9568	9575
7cm	9555	9562	9569	9576
9cm	9556	9563	9570	9577
10cm	9557	9564	9571	9578
12cm	9558	9565	9572	9579
15cm	9559	9566	9573	9580



MEDORAH® Standard Type Biliary / Pancreatic Stent

The standard, C-shaped curve of the Biliary Stent enables smooth introduction and positioning capabilities of the stent in the bile duct.

Key Features:

- Fluoroscopic visibility is enhanced with the radiopaque material
- Configures to bile duct anatomy due to its curved shape
- Tapered tip facilitates smooth cannulation through tortuous anatomies
- Proximal and distal flaps minimize stent migration

STANDARD				
	5 Fr	7 Fr	8.5 Fr	10 Fr
5cm	9802	9807	9812	9817
7cm	9803	9808	9813	9818
10cm	9804	9809	9814	9819
12cm	9805	9810	9815	9820
15cm	9806	9811	9816	9821



**** MEDORAH® Standard Type Pancreatic Stent is available in PTFE.**

PANCREATIC PTFE				
	5 Fr	7 Fr	8.5 Fr	10 Fr
5cm	9601	9606	9611	9616
7cm	9602	9607	9612	9617
10cm	9603	9608	9613	9618
12cm	9604	9609	9614	9619
15cm	9605	9610	9615	9620



MEDORAH[®]

COLONOSCOPY PANTS

Lightweight shorts featuring a rear slit designed for use during a colonoscopy procedure.

Key Features:

- 3 Layer Material: Water-repellent and Breathable Fabric
- Impedes bacteria
- Universal Size
- Easy to use (Slit on the back)
- Disposable

Reference No.	Packaging	Size
1828	10	Standard



MEDORAH[®]

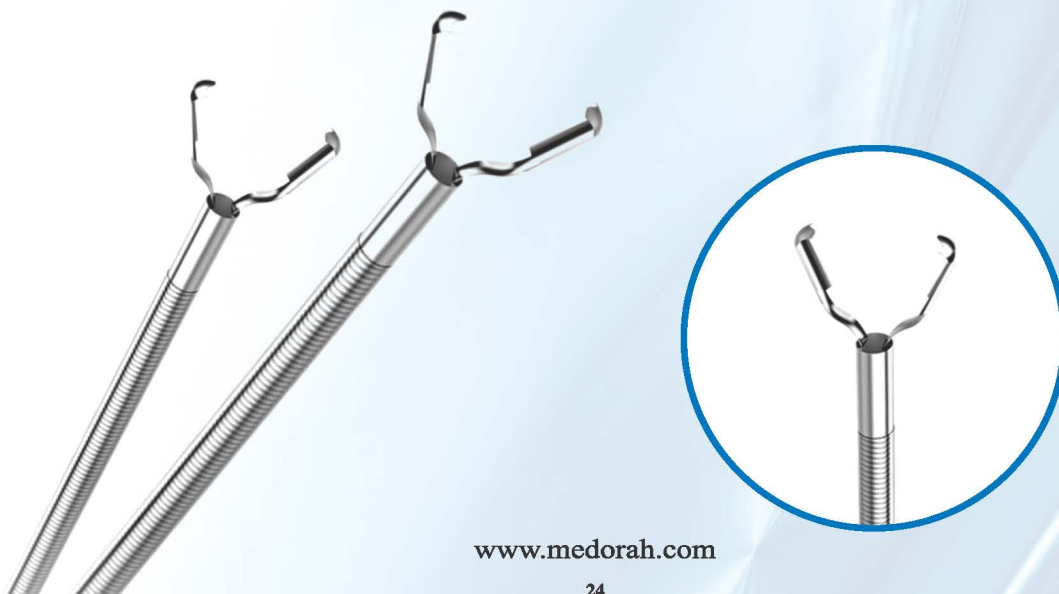
HEMOCLIPS

Compatible with endoscope, the device is indicated for clip placement within the gastrointestinal tract for the purpose of endoscopic marking, hemostasis, and for closure and anchoring of jejunal feeding tubes.

Key Features:

- 360 degree, 1:1 jaw rotation that provides complete control for precise clip placement
- Can be opened/closed unlimited times before the final placement of the clip
- Ergonomically shaped handle and atraumatic tip design eliminate risk for any endoscope damage during releasing of clips
- Sheath design and increased strength allows smooth insertion and handling of the device
- Available in various opening jaw spans to accommodate different clinical needs
- Ready to use, pre-loaded clips essential in cases of emergency bleeding

Description	Reference No.	Clip Opening (mm)	Minimum Working Channel (mm)	Working Length (cm)
Medorah[®] Reusable Clipping Device	8001	N/A	2.8	230
Medorah[®] Disposable Clip Cartridge	8010	13	N/A	N/A
Medorah[®] Rotatable Hemoclips	8211	11	2.8	230
	8213	13	2.8	230
	8216	16	2.8	230



MEDORAH[®]

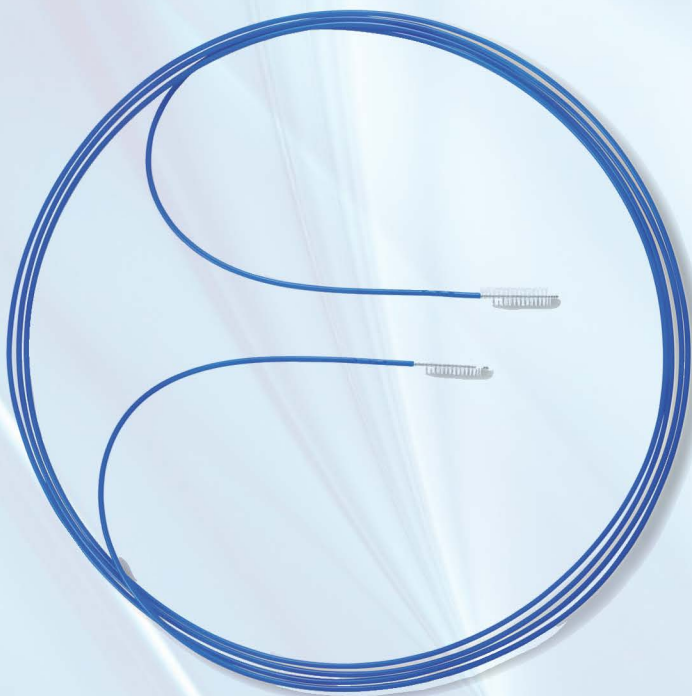
CLEANING BRUSH

Used for cleaning the accessory channels of endoscopes.

Key Features:

- High-density nylon bristles for better cleaning
- Atraumatic Round tip preserves the biopsy channel
- Exclusive combination type that allows the simultaneous cleaning of Biopsy and Air/water channel
- Dual End exclusive Brush for valve Cleaning
- Available individually or as kit with a valve cleaning brush
- Packaged non-sterile for single use.

Model Name	Reference No	Catheter Diameter (mm)	Catheter Length (cm)	Brush Dimensions (mm)
Brush 1: Channel cleaning brush Brush 2: Valve cleaning brush	1941	1.7	240	Brush 1- 5x20
		150	N/A	Brush 2- 5x20 11x35
Dual end Channel/ Valve Cleaning Brush	1917	1.7	240	End 1- 5x20 End 2- 10x35



MEDORAH[®]

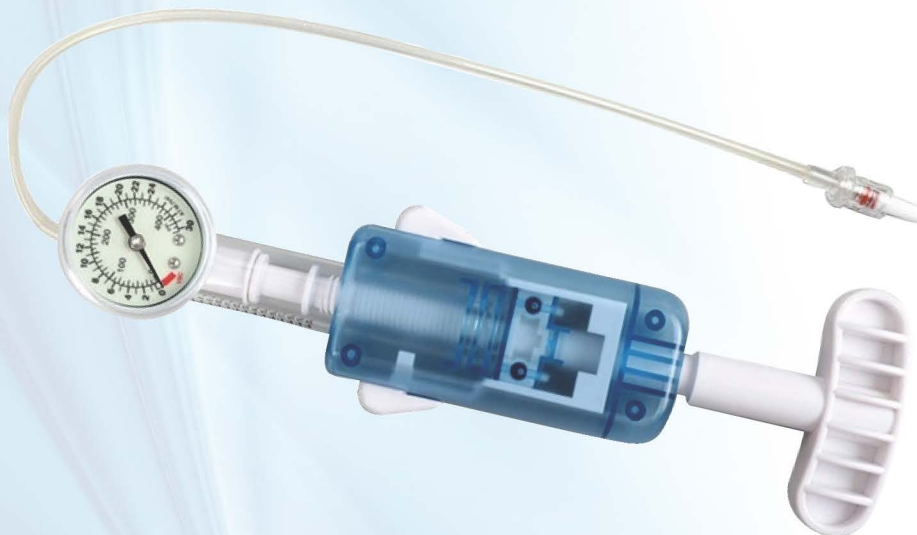
INFLATION DEVICE

MEDORAH[®] Inflation device is used to inflate and deflate dilation balloon catheters. You can use it to inflate and deflate balloon catheters according to requirements.

Key Features:

- High strength material
- Clear and visible pressure display
- Maximum volume of 20ml

Reference No.	Rated Volume (ml)	Max. Pressure (atm)
18-302	20	30



PIVOT[®]

ENDOSCOPIC ULTRASOUND NEEDLE

Medorah Endoscopic Ultrasound Needle have the ability to obtain fluid samples from all lesions in the adjacent organs that are hard to reach.

Key Features:

- **Access From Wider Angles**– Improved access to lesions even in difficult locations regardless of scope angle
- **Echogenic Needle Tip for Enhanced Ultrasound Visibility**– Echogenic pattern extends almost onto the needle tip providing precise guidance within the targeted site and in maintaining tip visibility at all times
- **Atraumatic Nitinol Stylet**– Light-weight stylet for convenient handling
- **Sharp Needle Tip**– Bevelled shape needle tip features outstanding puncturing performance and quality tissue acquisition
- **Handle Manoeuvrability**– Ergonomic handle design offers smooth sliding action with locking knobs and chamfered windows facilitating precise one-handed operation
- **Needle Stopper**– Large chamfered window makes it easier to confirm the needle position from every angle
- **Stainless Steel Construction**– Ensures good needle flexibility, durability and reliable target accessibility for standard EUS procedures
- **Luer Lock Connector**– The luer lock connector allows the device to be connected to the scope easily without slipping
- **Ultra Strong Sheath**– Facilitates improved pushability and excellent force transmission from the handle to the needle tip

Adjustable sheath length function allows physicians to approach the targeted site accurately and smoothly



Reference No.	Needle Size (G)	Minimum Working Channel (mm)	Sheath Diameter (mm)	Packaging
4122	22	2.8	1.8	Box of 2

- Packaging includes a 20cc VacLok syringe
- Working Length: 137.5cm to 141.5cm, adjustable
- Needle Length: 0- 8cm, adjustable.

PIVOT® CORE

ENDOSCOPIC ULTRASOUND CORE BIOPSY NEEDLE

Medorah Endoscopic Ultrasound Core Biopsy Needle is designed to retrieve the tissue sample even in difficult, angulated scope positions.

Key Features:

- **Access from Wider Angles-** Improved access to lesions even in difficult locations, regardless of scope angle
- **Atraumatic Nitinol Stylet-** Light-weight stylet for convenient handling
- **High Diagnostic Yield and Specimen Adequacy-** Acquisition of macroscopic samples using the 22G Pivot® Core Biopsy Needle
- **Sharp crown shaped needle with three symmetrical planes-** Crown shaped design offers precise cutting capabilities and improved acquisition of core tissue specimens
- **Echogenic Needle Tip for Enhanced Ultrasound Visibility-** Echogenic pattern extends almost to the needle tip providing precise guidance within the targeted site and maintaining tip visibility at all times
- **Handle Manoeuvrability-** Ergonomic handle design offers smooth sliding action with locking knobs and chamfered windows facilitating precise one-handed operation
- **Needle Stopper-** Large chamfered window makes it easier to confirm the needle position from every angle
- **Stainless Steel Construction-** Ensures needle flexibility, durability and reliable target accessibility for standard EUS procedures
- **Luer Lock Connector-** The Luer Lock connector allows the device to be connected to the endoscope easily without slipping
- **Ultra Strong Sheath-** Facilitates improved pushability and excellent force transmission from the handle to the needle tip

Adjustable sheath length functions allow physicians to approach the targeted site accurately and smoothly

Reference No.	Needle Size (G)	Minimum Working Channel (mm)	Sheath Diameter (mm)	Packaging
4620	22	2.8	1.8	Box of 2

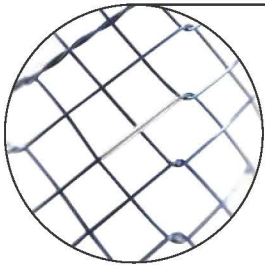
- Packaging includes a 20cc VacLok syringe
- Working Length: 137.5cm to 141.5cm, adjustable
- Needle Length: 0-8cm, adjustable.



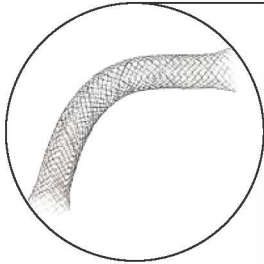
JAVASTENT[®]

SELF EXPANDABLE METAL STENT

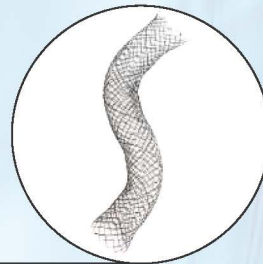
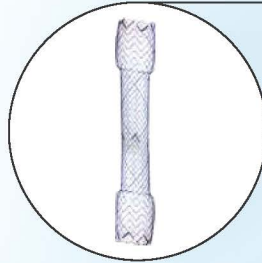
HOOK AND CROSS WIRE STRUCTURE



FLEXIBILITY FOR CONFORMANCE WITHIN ANATOMY



FLOUOROSCOPIC VISUALISATION



OPTIMUM RADIAL AND AXIAL FORCE



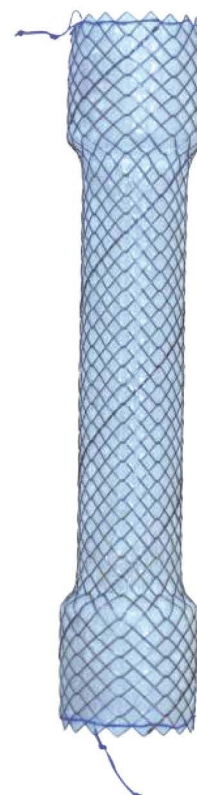
ACCURATE POSITIONING

- Esophageal Stent (Fully Covered, Partially Covered, and Flare-type)
- Biliary Stent (Covered and Uncovered)
- Duodenal/Pyloric Stent (Covered and Uncovered)
- Colonic Stent (Covered and Uncovered)
- Pseudocyst Stent (Covered)
- Tracheal/Bronchial Stent (Covered and Uncovered)
- Y-Stent (Covered & Partially Covered)

JAVASTENT® ESOPHAGEAL STENT

JAVASTENT® Esophageal Stent intends to deliver luminal patency through optimal strength and flexibility to support clinician needs while providing optimized patient care. Available in fully and partially covered in a variety of lengths, diameters and designs.

- **Tissue In-Growth Prevention**
Silicone coating extends throughout the stent to prevent tissue ingrowth and food bolus impaction as well as to enhance treatment of malignant esophageal fistulas
- **Migration Resistance**
Flanged stent ends secure stent within the esophageal lumen
- **Removability & Adjustability**
The Retrieval Lasso facilitates repositioning during the stent placement procedure
- **Stricture Resolution**
Optimum Radial Force and minimal axial force allow Javastent Esophageal Stent to adapt itself within the esophagus. Hook and cross structure allow gradual stent expansion (within 48 hours)
- **Accurate Stent Placement**
Recapturing and Repositioning of the stent is possible up to approximately 75% of deployment



JAVASTENT® ESOPHAGEAL COVERED TYPE

Coding: J- JAVASTENT / E- ESOPHAGEAL / C- COVERED

Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
JEC-081807	18	80	6	700
JEC-101807	18	100	6	700
JEC-121807	18	120	6	700
JEC-141807	18	140	6	700
JEC-161807	18	160	6	700
JEC-181807	18	180	6	700
JEC-082007	20	80	6	700
JEC-102007	20	100	6	700
JEC-122007	20	120	6	700
JEC-142007	20	140	6	700
JEC-162007	20	160	6	700
JEC-182007	20	180	6	700

JAVASTENT® Esophageal Partially Covered

Coding: J- JAVASTENT/ E- ESOPHAGEAL / P- PARTIALLY COVERED

Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
JEP-081807	18	80	6	700
JEP-101807	18	100	6	700
JEP-121807	18	120	6	700
JEP-141807	18	140	6	700
JEP-161807	18	160	6	700

JAVASTENT® Esophageal Covered Flare type

Coding: J- JAVASTENT / E- ESOPHAGEAL / F-Flare type

Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
JEF -091807	18	90	6	700
JEF -101807	18	100	6	700
JEF -111807	18	110	6	700
JEF -121807	18	120	6	700
JEF -131807	18	130	6	700
JEF -141807	18	140	6	700
JEF -151807	18	150	6	700



JAVASTENT®

BILIARY STENT

JAVASTENT® Biliary Stents are intended to drain the obstructed bile duct caused by malignant / benign tumours.

- **Flexibility**
High degree of flexibility to conform with bile duct.
- **Tissue-friendly smooth, rounded edges**
Rounded ends reduce risk of tissue trauma and prevent any damage to the bile duct and duodenal wall
- **Migration Resistance**
Optimal radial force and axial force provide resistance to recoil and maximum coverage of the bile duct. Closed cell construction for exceptional radial support and enhanced wall apposition to the bile duct.
- **Tissue In-Growth Prevention**
Closed cell construction and silicone covering designed to resist tissue in-growth.
- **Superior Deployment Performance, Navigation and Trackability**
Braided coaxial system designed for easy placement of stent at targeted position. Excellent navigation into the papilla of Vater assures exceptional maneuverability and trackability inside the bile duct.
- **Accurate Stent Placement**
Biliary stent features 9 radiopaque platinum markers enabling fluoroscopic visualization of the stent. Yellow marker located at proximal end of biliary stent confirms stent end position during deployment procedure. Radiopaque markers incorporated at the sheath to facilitate accurate stent positioning. Recapturing and Repositioning of the stent is possible up to approximately 80% of deployment.

JAVASTENT® Biliary Uncovered

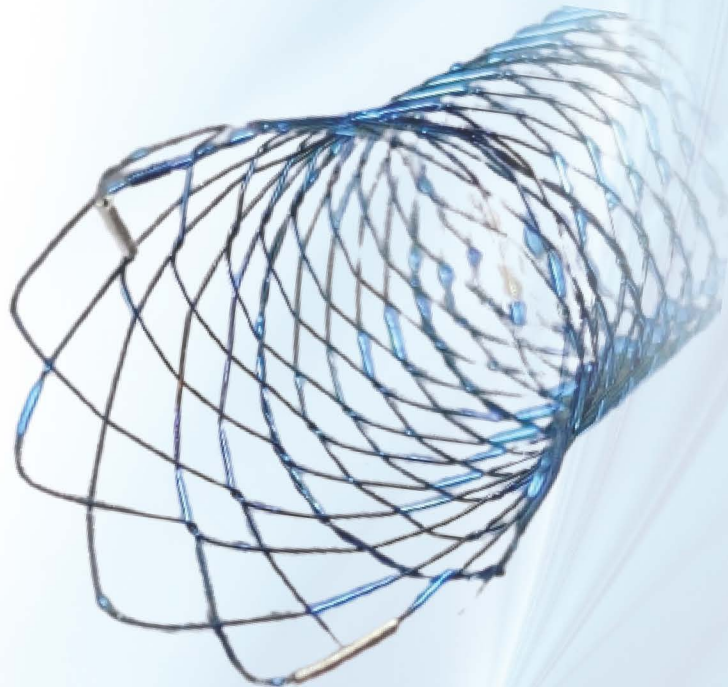
Coding: J- JAVASTENT / B- BILIARY / U- UNCOVERED

Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (Fr)	Length (mm)
JBU-060806	8	60	7	600
JBU-080806	8	80	7	600
JBU-100806	8	100	7	600
JBU-120806	8	120	7	600
JBU-060818	8	60	7	1800
JBU-080818	8	80	7	1800
JBU-100818	8	100	7	1800
JBU-061006	10	60	7	600
JBU-081006	10	80	7	600
JBU-101006	10	100	7	600
JBU-121006	10	120	7	600
JBU-061018	10	60	7	1800
JBU-081018	10	80	7	1800
JBU-101018	10	100	7	1800

JAVASTENT® Biliary Covered

Coding: J- JAVASTENT / B- BILIARY / C- COVERED

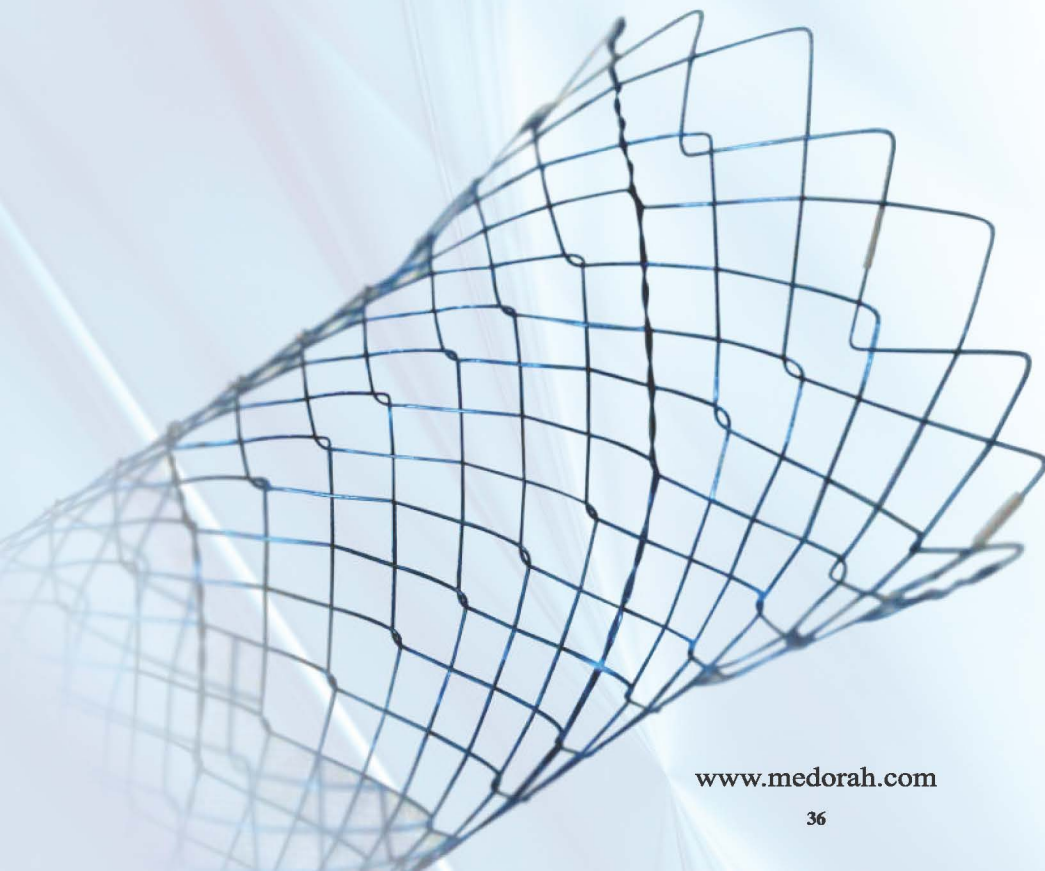
Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (Fr)	Length (mm)
JBC-060806	8	60	8.5	600
JBC-080806	8	80	8.5	600
JBC-100806	8	100	8.5	600
JBC-120806	8	120	8.5	600
JBC-060818	8	60	8.5	1800
JBC-080818	8	80	8.5	1800
JBC-100818	8	100	8.5	1800
JBC-061006	10	60	8.5	600
JBC-081006	10	80	8.5	600
JBC-101006	10	100	8.5	600
JBC-121006	10	120	8.5	600
JBC-061018	10	60	8.5	1800
JBC-081018	10	80	8.5	1800
JBC-101018	10	100	8.5	1800



JAVASTENT® DUODENAL/PYLORIC STENT

JAVASTENT® Duodenal/Pyloric Stent is indicated for use in the palliative treatment of the gastroduodenal obstruction caused by malignant neoplasms.

- **Flexibility**
High degree of flexibility to conform to anatomy
- **Tissue-friendly smooth, rounded edges**
Rounded ends reduce risk of tissue trauma and prevent perforation
- **Tissue in-growth prevention**
Closed cell construction and silicone covering designed to resist tissue in-growth.
- **Migration Resistance**
Optimal radial force and axial force combination offer superior stent adaption to the anatomy with very little resistance to recoil, while maintaining lumen patency.
- **Superior Deployment Performance, Navigation and Trackability**
Braided coaxial system designed for easy placement of stent at targeted position. Tapered tip provides exceptional system passability, trackability and maneuverability even through tortuous anatomies.
- **Accurate Stent Placement**
Duodenal/Pyloric stent features 12 radiopaque Platinum markers enabling fluoroscopic visualization of the stent.
Yellow marker located at proximal end of the stent confirms stent end position during deployment procedure.
Radiopaque markers incorporated at the sheath to facilitate accurate stent positioning.
Recapturing and Repositioning of the stent is possible up to approximately 75% of deployment.



JAVASTENT® Duodenal/Pyloric (Uncovered)

Coding: J- JAVASTENT / P- PYLORIC / U- UNCOVERED

Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (Fr)	Length (mm)
JPU-062023	20	60	10	2300
JPU-082023	20	80	10	2300
JPU-102023	20	100	10	2300
JPU-122023	20	120	10	2300
JPU-142023	20	140	10	2300
JPU-162023	20	160	10	2300
JPU-062223	22	60	10	2300
JPU-082223	22	80	10	2300
JPU-102223	22	100	10	2300
JPU-122223	22	120	10	2300
JPU-142223	22	140	10	2300
JPU-162223	22	160	10	2300

JAVASTENT® Duodenal/Pyloric Covered

Coding: J- JAVASTENT / P-PYLORIC / C- COVERED

Reference No.	Stent			Delivery Device	
	Diameter(mm)	Covered Length (mm)	Total Length (mm)	Diameter (Fr)	Length (mm)
JPC-062023	20	30	60	10	2300
JPC-082023	20	50	80	10	2300
JPC-102023	20	70	100	10	2300
JPC-122023	20	90	120	10	2300
JPC-142023	20	110	140	10	2300
JPC-162023	20	130	160	10	2300
JPC-062223	22	30	60	10	2300
JPC-082223	22	50	80	10	2300
JPC-102223	22	70	100	10	2300
JPC-122223	22	90	120	10	2300
JPC-142223	22	110	140	10	2300
JPC-162223	22	130	160	10	2300

JAVASTENT® COLONIC STENT

JAVASTENT® Colonic Stent is indicated to use for the palliation of patients with colonic obstruction caused by malignant neoplasm and to relieve large bowel obstruction prior to colectomy in patients with malignant strictures.

- **Flexibility**

High degree of flexibility to conform to anatomy

- **Tissue-friendly smooth, rounded ends/edges**

Rounded ends reduce risk of tissue trauma and prevent perforation

- **Migration Resistance**

Optimal radial force and axial force combination offer superior stent adaption to the anatomy with very little resistance to recoil, while maintaining lumen patency.

- **Tissue in-growth prevention**

Closed cell construction and silicone covering designed to resist tissue in-growth.

- **Superior Deployment Performance, Navigation and Trackability**

Braided coaxial system designed for easy placement of stent at targeted position. Tapered tip provides exceptional system passability, trackability and maneuverability even through tortuous anatomies.

- **Accurate Stent Placement**

JAVASTENT Colonic stent features 12 radiopaque Platinum markers enabling fluoroscopic visualization of the stent.

Yellow, highly visible endoscopic and fluoroscopic marker located at proximal end of the stent defines stent end position to facilitate precise placement.

Radiopaque markers incorporated at the sheath to facilitate accurate stent positioning.

Recapturing and Repositioning of the stent is possible up to approximately 80% of deployment.

JAVASTENT® Colonic (Uncovered)

Coding: J- JAVASTENT / C- COLONIC / U- UNCOVERED

Reference No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (Fr)	Length (mm)
JCU-062223	22	60	10	2300
JCU-082223	22	80	10	2300
JCU-102223	22	100	10	2300
JCU-122223	22	120	10	2300
JCU-142223	22	140	10	2300
JCU-162223	22	160	10	2300
JCU-062423	24	60	10	2300
JCU-082423	24	80	10	2300
JCU-102423	24	100	10	2300
JCU-122423	24	120	10	2300
JCU-142423	24	140	10	2300
JCU-162423	24	160	10	2300

JAVASTENT® Colonic Covered

Coding: J- JAVASTENT / C- COLONIC / C- COVERED

Reference No.	Stent			Delivery Device	
	Diameter (mm)	Covered Length (mm)	Length (mm)	Diameter (Fr)	Length (mm)
JCC-062023	20	30	60	10	2300
JCC-082023	20	50	80	10	2300
JCC-102023	20	70	100	10	2300
JCC-122023	20	90	120	10	2300
JCC-142023	20	110	140	10	2300
JCC-162023	20	130	160	10	2300
JCC-062223	22	30	60	10	2300
JCC-082223	22	50	80	10	2300
JCC-102223	22	70	100	10	2300
JCC-122223	22	90	120	10	2300
JCC-142223	22	110	140	10	2300
JCC-162223	22	130	160	10	2300
JCC-062423	24	30	60	12	2300
JCC-082423	24	50	80	12	2300
JCC-102423	24	70	100	12	2300
JCC-122423	24	90	120	12	2300
JCC-142423	24	110	140	12	2300



JAVASTENT[®]

PSEUDOCYST STENT

Lumen- Apposing, Self Expandable Metal Stents

JAVASTENT[®] Pseudocyst stent is specifically designed self expandable, fully covered, lumen apposing metallic stents (LAMSS) can create a stable anastomosis between adjacent organs/cavities.

Key Features:

- **Lumen- Apposing, Anti-Migratory Stent Design-** Fold-back flange design secures tissue layers, prevents migration and maintains lumen apposition
- **Fully-Coated Stent-** Fully covered self-expandable stent prevents fluid leakage and minimizes tissue in-growth allowing atraumatic stent removal
- **Flexibility-** High degree of flexibility in stent design helps accommodative apposition irrespective of wall thickness
- **Excellent Radiopacity-** Pseudocyst stent features 9 radiopaque platinum markers enabling fluoroscopic visualization of the stent
- **Large Luminal Diameter-** Yields effective drainage and enables easy insertion of standard and therapeutic endoscopes through the stent
- **Excellent Stent Visualization-** EUS visualization of first flange deployment and direct endoscopic or EUS viewing of second flange deployment for precise stent positioning
- **Low Profile Delivery System (10Fr)-** Compatible enough with therapeutic echo-endoscopes having a working channel of 3.8mm or larger
- **Superior Deployment Performance, Navigation and Trackability-** Braided co-axial system designed for easy placement of stent at targeted stricture site
- **Accurate Stent Placement-** Stent can be reconstrained upto 70% of its deployment that aids in repositioning during the procedure.



JAVASTENT® Pseudocyst Stent
Coding: J-JAVASTENT/ P-PANCREATIC / P-PSUEDOCYST

Reference No.	Stent			Delivery Device	
	Body Diameter (mm)	Length (mm)	Flange Diameter (mm)	Diameter (Fr)	Length (mm)
JPP-011018	10	10	20	10	1800
JPP-021018	10	20	20	10	1800
JPP-031018	10	30	20	10	1800
JPP-011218	12	10	20	10	1800
JPP-021218	12	20	20	10	1800
JPP-031218	12	30	20	10	1800
JPP-011418	14	10	24	10	1800
JPP- 021418	14	20	24	10	1800
JPP-031418	14	30	24	10	1800
JPP-011618	16	10	24	10	1800
JPP-021618	16	20	24	10	1800
JPP-031618	16	30	24	10	1800

JAVASTENT® TRACHEAL / BRONCHIAL STENT

JAVASTENT® Tracheal/Bronchial Stent is used for treatment of the tracheobronchial strictures caused by malignant neoplasm or benign strictures that are inoperable.

- **Tissue In-Growth Prevention**

Closed cell construction and silicone coating designed to resist tissue in-growth.

- **Tissue-friendly smooth, rounded edges**

Rounded ends reduce risk of tissue trauma and prevent perforation

- **Migration Resistance**

Flared stent ends secure stent and prevent migration

- **Stricture Resolution**

Optimum Radial Force and minimal axial force allow Javastent Tracheal/Bronchial Stent to adapt itself within the patient's lumen. Hook and cross structure allow gradual stent expansion within 48 hours.

- **Accurate Stent Placement**

Tracheal/Bronchial stent features 12 radiopaque Platinum markers enabling fluoroscopic visualization of the stent.

Recapturing and Repositioning of the stent is possible up to approximately 75% of deployment.



JAVASTENT® Tracheal/Bronchial Stent

Coding: J- JAVASTENT / T-TRACHEAL / B-BRONCHIAL

Ref. No.	Stent		Delivery Device	
	Diameter (mm)	Length (mm)	Diameter (mm)	Length (mm)
JTB-021009	10	20	3.36	900
JTB-031009	10	30	3.36	900
JTB-041009	10	40	3.36	900
JTB-021209	12	20	3.36	900
JTB-031209	12	30	3.36	900
JTB-041209	12	40	3.36	900
JTB-061409	14	60	6	900
JTB-021409	14	20	6	900
JTB-031409	14	30	6	900

JTB-031609	16	30	6	900
JTB-041609	16	40	6	900
JTB-061609	16	60	6	900
JTB-081609	16	80	6	900
JTB-061809	18	60	6	900
JTB-081809	18	80	6	900

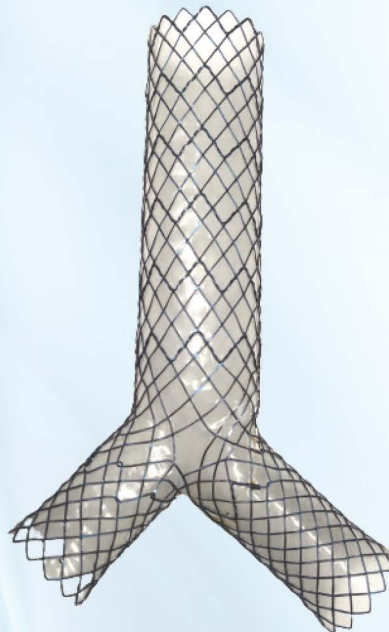
JAVASTENT[®]

TRACHEAL/BRONCHIAL Y-STENT

JAVASTENT[®] Tracheal/Bronchial Y- Stent is designed to be a self-expanding, flexible metallic stent that aids in the palliation of malignant neoplasm at the tracheobronchial carina region.

Key Features:

- **Y-Shaped Stent Design-** Designed to support the trachea, carina, and main stem bronchi with a longer tracheal limb
- **Fully Coated Stent-** Fully covered nitinol mesh design with atraumatic ends minimizes tissue in-growth and/or any possible risk injuries or perforation
- **Flexibility-** High degree of flexibility in stent design ensures excellent positional stability
- **Excellent Radiopacity-** Y - Stent features 5 radiopaque platinum markers enabling precise stent positioning
- **Twin-Guidewires Compatibility-** Compatible with two guidewires of upto 0.038 inches
- **Low Profile Delivery Device (6mm)-** Specially developed and innovatively designed for precise stent placement
- **Superior Deployment Performance, Navigation & Trackability-** Differently colored olive tips and thumb rings for left and right bronchus facilitate precise orientation of the delivery device during the deployment and release of the carina Y -Stent



JAVASTENT® Tracheal/Bronchial Y-Stent Covered
Coding: J-JAVASTENT / T- TRACHEAL / B- BRONCHIAL

Reference No.	Trachea Diameter	Trachea Length	Main Bronchi Diameter	Length main bronchi (mm) Right/Left	Delivery Device Diameter	Delivery Device Length
JTB-04016061215CY	16mm	40mm	12mm	15/30	6mm	600mm
JTB-04016061220CY	16mm	40mm	12mm	20/30	6mm	600mm
JTB-04516061215CY	16mm	45mm	12mm	15/30	6mm	600mm
JTB-05016061215CY	16mm	50mm	12mm	15/30	6mm	600mm
JTB-05016061220CY	16mm	50mm	12mm	20/30	6mm	600mm
JTB-04018061215CY	18mm	40mm	12mm	15/30	6mm	600mm
JTB-04018061220CY	18mm	40mm	12mm	20/30	6mm	600mm
JTB-04518061215CY	18mm	45mm	12mm	15/30	6mm	600mm
JTB-04518061220CY	18mm	45mm	12mm	20/30	6mm	600mm
JTB-05018061215CY	18mm	50mm	12mm	15/30	6mm	600mm
JTB-05018061220CY	18mm	50mm	12mm	20/30	6mm	600mm

JAVASTENT® Tracheal/Bronchial Y-Stent Partially Covered
Coding: J-JAVASTENT / T- TRACHEAL / B- BRONCHIAL

Reference No.	Trachea Diameter	Trachea Length	Main Bronchi Diameter	Length main bronchi (mm) Right/Left	Delivery Device Diameter	Delivery Device Length
JTB-04016061215PY	16mm	40mm	12mm	15(5)/30	6mm	600mm
JTB-04016061220PY	16mm	40mm	12mm	20(5)/30	6mm	600mm
JTB-04516061215PY	16mm	45mm	12mm	15(5)/30	6mm	600mm
JTB-04516061220PY	16mm	45mm	12mm	20(5)/30	6mm	600mm
JTB-05016061215PY	16mm	50mm	12mm	15(5)/30	6mm	600mm
JTB-05016061220PY	16mm	50mm	12mm	20(5)/30	6mm	600mm
JTB-04018061215PY	18mm	40mm	12mm	15(5)/30	6mm	600mm
JTB-04018061220PY	18mm	40mm	12mm	20(5)/30	6mm	600mm
JTB-04518061215PY	18mm	45mm	12mm	15(5)/30	6mm	600mm
JTB-04518061220PY	18mm	45mm	12mm	20(5)/30	6mm	600mm
JTB-05018061215PY	18mm	50mm	12mm	15(5)/30	6mm	600mm
JTB-05018061220PY	18mm	50mm	12mm	20(5)/30	6mm	600mm

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTES

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MMG/CAT/001/REV00