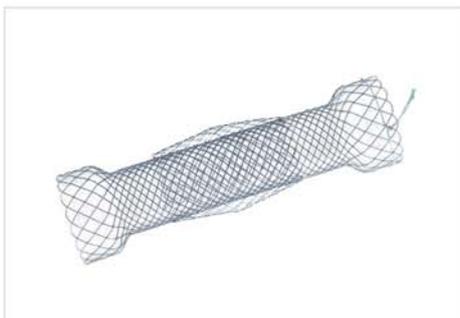
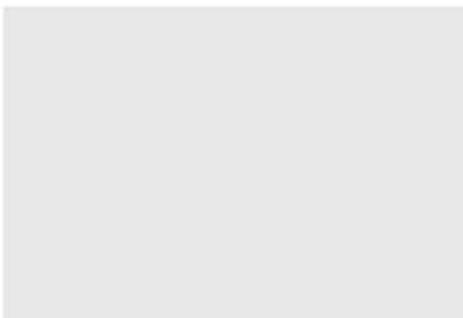
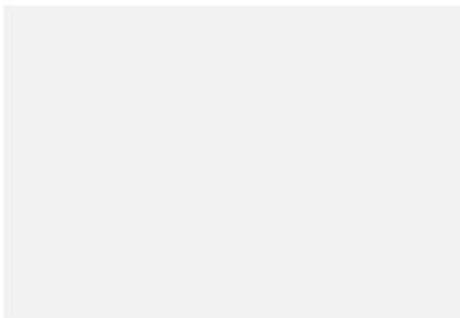
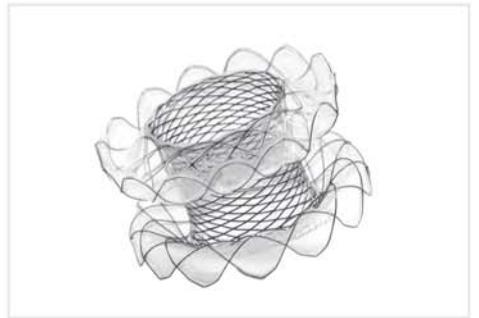


TAEWOONG
NITI-S™

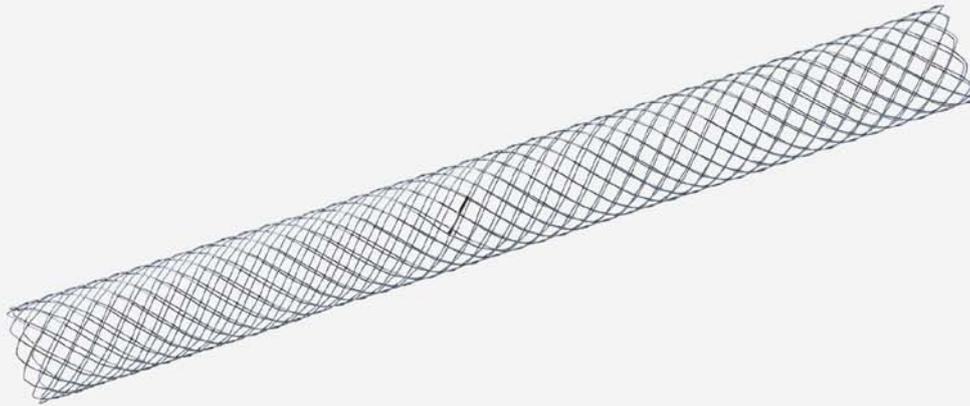


Gastrointestinal Self-expandable Metal Stent



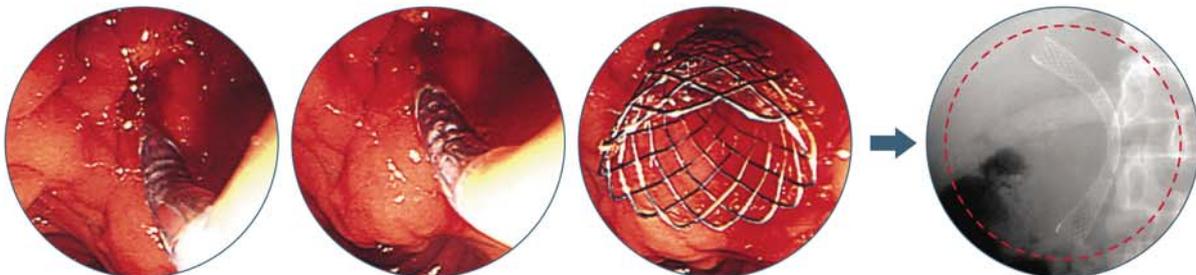
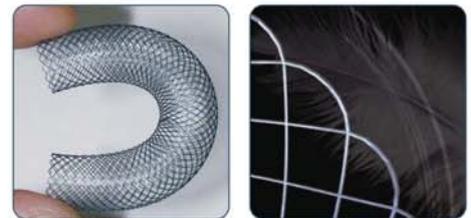
Biliary Stent (Uncovered)

for malignant biliary strictures



FEATURE

- Fixed cell with braided construction
 - Flexible and resistant to fracture
- Atraumatic ends
 - Less hyperplasia at the edges
- Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle



[Seoul Baek Hospital, Seoul, Korea]

ORDERING INFORMATION

Endoscopic Approach					Percutaneous Approach										
Code	Stent		Delivery		Code	Stent		Delivery							
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)						
B0604	6	4	7	180	T0604	6	4	7	50						
B0605		5			T0605		5								
B0606		6			T0606		6								
B0607		7			T0607		7								
B0608		8			T0608		8								
B0609		9			T0609		9								
B0610		10			T0610		10								
B0612		12			T0612		12								
B0804		8			4		7			180	T0804	8	4	7	50
B0805					5						T0805		5		
B0806					6						T0806		6		
B0807					7						T0807		7		
B0808	8		T0808	8											
B0809	9		T0809	9											
B0810	10		T0810	10											
B0812	12		T0812	12											
B1004	10	4	7	180	T1004	10	4	7	50						
B1005		5			T1005		5								
B1006		6			T1006		6								
B1007		7			T1007		7								
B1008		8			T1008		8								
B1009		9			T1009		9								
B1010		10			T1010		10								
B1012		12			T1012		12								

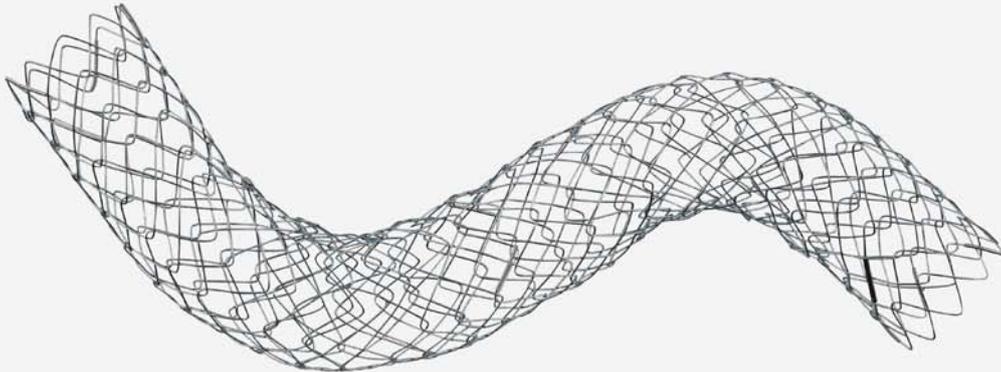
RELEASED ARTICLE

- * Pneumoperitoneum Following percutaneous biliary Intervention : Not Necessarily a Cause for Alarm
by Suraj J. Amonkar et al [Cardiovasc Intervent Radiol. 2008 Mar-Apr;31(2):439-43]
- * Palliation of Malignant Biliary and Duodenal Obstruction with Combined Metallic Stenting
by Devrim Akinci et al [Cardiovasc Intervent Radiol. 2007 Nov-Dec;30(6):1173-7]



Biliary Stent

for malignant biliary strictures



***Available in USA**
(The sizes marked in blue)

FEARURE

- Unfixed cell with weaving construction
 - Low foreshortening for accurate positioning
 - Optimal combination of radial and axial force to maintain luminal patency in tortuous anatomy



- Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle

ORDERING INFORMATION

Endoscopic Approach					Percutaneous Approach				
Code	Stent		Delivery		Code	Stent		Delivery	
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)
BD0604	6	4	8	180	TD0604	6	4	8	50
BD0605		5			TD0605		5		
BD0606		6			TD0606		6		
BD0607		7			TD0607		7		
BD0608		8			TD0608		8		
BD0609		9			TD0609		9		
BD0610		10			TD0610		10		
BD0612	12	TD0612	12						
BD0804	8	4	8	180	TD0804	8	4	8	50
BD0805		5			TD0805		5		
BD0806		6			TD0806		6		
BD0807		7			TD0807		7		
BD0808		8			TD0808		8		
BD0809		9			TD0809		9		
BD0810		10			TD0810		10		
BD0812	12	TD0812	12						
BD1004	10	4	8	180	TD1004	10	4	8	50
BD1005		5			TD1005		5		
BD1006		6			TD1006		6		
BD1007		7			TD1007		7		
BD1008		8			TD1008		8		
BD1009		9			TD1009		9		
BD1010		10			TD1010		10		
BD1012	12	TD1012	12						

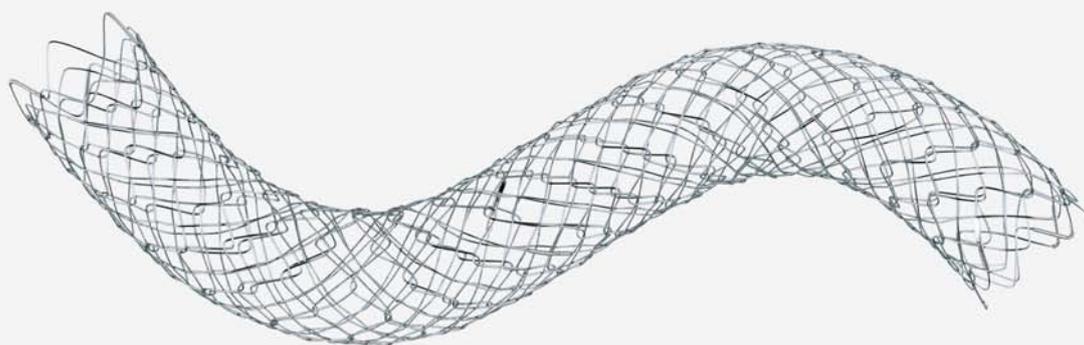
* Available in USA (The sizes marked in blue)

RELEASED ARTICLE

* A comparison of the Niti-D biliary uncovered stent and the uncovered Wallstent in malignant biliary obstruction
by Ki Young Yang, MD et al [Gastrointest Endosc. 2009 Jul;70(1):45-51]

M Biliary Stent

for malignant biliary strictures



FEATURE

- **Braided and weaving construction**
 - 7Fr low profile delivery system with high conformability
 - Low foreshortening for accurate positioning
 - Facilitates stent insertion into severe biliary obstruction
- **Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle**

7Fr low profile delivery system



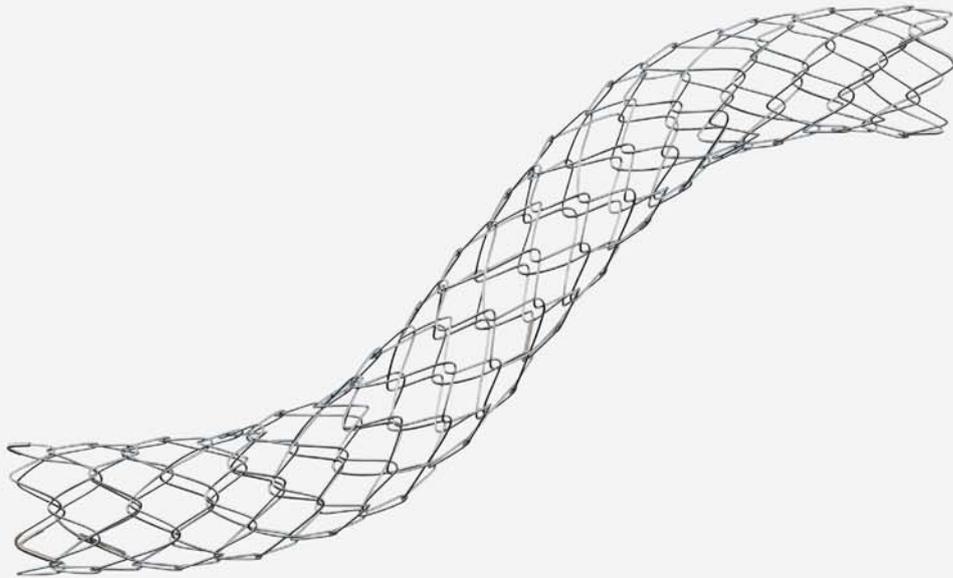
ORDERING INFORMATION

Endoscopic Approach					Percutaneous Approach										
Code	Stent		Delivery		Code	Stent		Delivery							
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)						
BN0604	6	4	7	180	TN0604	6	4	7	50						
BN0605		5			TN0605		5								
BN0606		6			TN0606		6								
BN0607		7			TN0607		7								
BN0608		8			TN0608		8								
BN0609		9			TN0609		9								
BN0610		10			TN0610		10								
BN0612		12			TN0612		12								
BN0804		8			4		7			180	TN0804	8	4	7	50
BN0805					5						TN0805		5		
BN0806					6						TN0806		6		
BN0807					7						TN0807		7		
BN0808	8		TN0808	8											
BN0809	9		TN0809	9											
BN0810	10	10	7	180	TN0810	10	10	7	50						
BN0812		12			TN0812		12								
BN1004		10			4		7			180	TN1004	10	4	7	50
BN1005					5						TN1005		5		
BN1006	6		TN1006	6											
BN1007	7		TN1007	7											
BN1008	8		TN1008	8											
BN1009	9		TN1009	9											
BN1010	10		TN1010	10											
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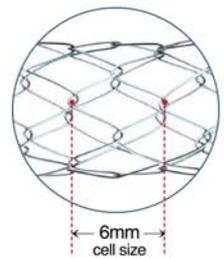
Biliary Stent

for hilar obstruction



FEATURE

- Unfixed large cell (each cell size: 6mm) with weaving construction
- Easy positioning of the second stent: The large cell size design of LCD™ enables to position the second stent conveniently



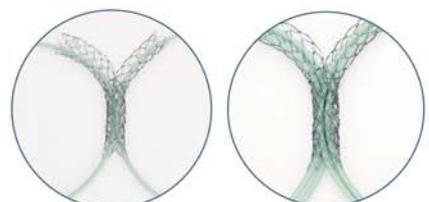
2 stents insertion



3 stents insertion

by Hirofumi Kogure et al [Dig Endosc. 2014 Jan;26(1):93-9]

- Simple and easy reintervention: Reintervention through the large cell is easily performed, even after bilateral stent placement
- Low axial force and optimal radial force: Improve patients comfort and adapt to hilar biliary anatomy



Plastic stents can be inserted easily through the interstices

- Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle

ORDERING INFORMATION

Endoscopic Approach					Percutaneous Approach				
Code	Stent		Delivery		Code	Stent		Delivery	
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)
BLD0604	6	4	8	180	TLD0604	6	4	8	50
BLD0605		5			TLD0605		5		
BLD0606		6			TLD0606		6		
BLD0607		7			TLD0607		7		
BLD0608		8			TLD0608		8		
BLD0609		9			TLD0609		9		
BLD0610		10			TLD0610		10		
BLD0804	8	4	8	180	TLD0804	8	4	8	50
BLD0805		5			TLD0805		5		
BLD0806		6			TLD0806		6		
BLD0807		7			TLD0807		7		
BLD0808		8			TLD0808		8		
BLD0809		9			TLD0809		9		
BLD0810		10			TLD0810		10		
BLD0812	12	TLD0812	12						
BLD1004	10	4	8	180	TLD1004	10	4	8	50
BLD1005		5			TLD1005		5		
BLD1006		6			TLD1006		6		
BLD1007		7			TLD1007		7		
BLD1008		8			TLD1008		8		
BLD1009		9			TLD1009		9		
BLD1010		10			TLD1010		10		
BLD1012	12	TLD1012	12						

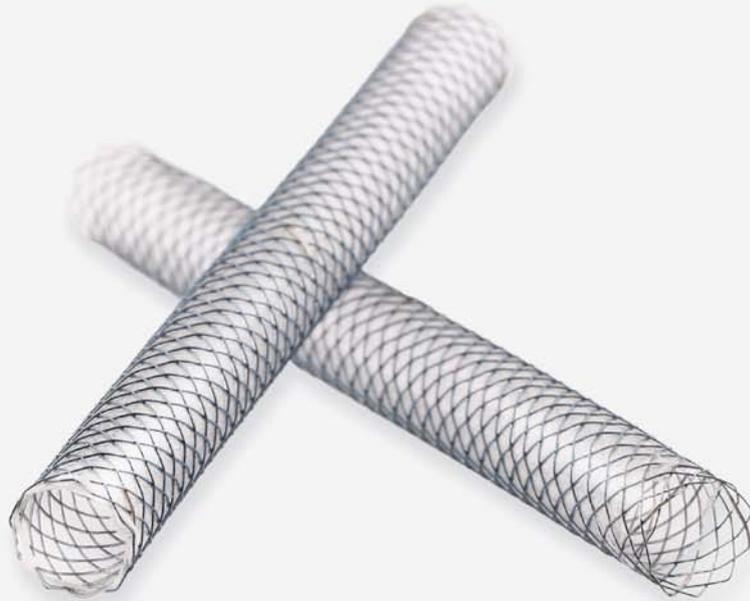
RELEASED ARTICLE

- * Small cell-versus large cell-sized metal stent in endoscopic bilateral stent-in-stent placement for malignant hilar biliary obstruction
by Jae Min Lee et al [Dig Endosc. 2015 Sep;27(6):692-9]
- * 8-mm versus 10-mm diameter self-expandable metallic stent in bilateral endoscopic stent-in-stent deployment for malignant hilar biliary obstruction
by Itaru Naitoh et al [J Hepatobiliary Pancreat Sci. 2015 May;22(5):396-401]
- * High single-session success rate of endoscopic bilateral stent-in-stent placement with modified large cell Niti-S stents for malignant hilar biliary obstruction
by Hirofumi Kogure et al [Dig Endosc. 2014 Jan;26(1):93-9]
- * Comparison of axial force and cell width of self-expandable metallic stents: which type of stent is better suited for hilar biliary strictures?
by Tsuyoshi Mukai et al [J Hepatobiliary Pancreat Sci. 2011 Sep;18(5):646-52]
- * Newly designed large cell Niti-S stent for malignant hilar biliary obstruction : a pilot study
by Hirofumi Kogure et al [Surg Endosc. 2011 Feb;25(2):463-7]



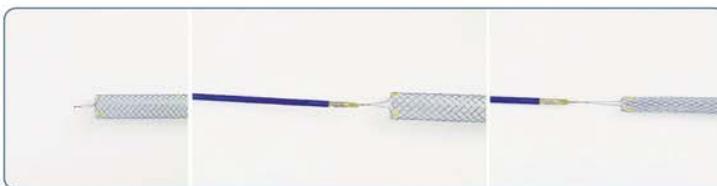
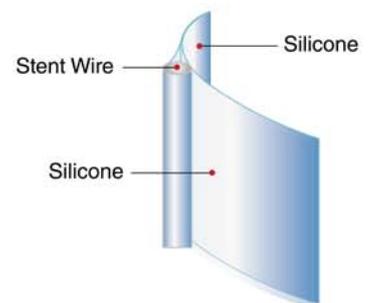
Biliary Stent (Covered)

for benign and malignant biliary strictures



FEATURE

- Fixed cell with braided construction
 - Flexible and resistant to fracture
- Atraumatic ends
 - Less hyperplasia at the edges
- Silicone covering on both inner and outer surface
 - Prevent the risk of tumor ingrowth
 - Help smooth bile flow
- Retrieval string facilitates safe and smooth removal



- Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle

ORDERING INFORMATION

Endoscopic Approach

► Fully covered

Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
BS0604F	6	4	8.5	180	
BS0605F		5			
BS0606F		6			
BS0607F		7			
BS0608F		8			
BS0609F		9			
BS0610F		10			
BS0612F		12			
BS0804F		8			4
BS0805F					5
BS0806F	6				
BS0807F	7				
BS0808F	8				
BS0809F	9				
BS0810F	10				
BS0812F	12				
BS1004F	10	4			
BS1005F		5			
BS1006F		6			
BS1007F		7			
BS1008F		8			
BS1009F		9			
BS1010F		10			
BS1012F		12			

Percutaneous Approach

► Fully covered

Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
TS0604F	6	4	8.5	50	
TS0605F		5			
TS0606F		6			
TS0607F		7			
TS0608F		8			
TS0609F		9			
TS0610F		10			
TS0612F		12			
TS0804F		8			4
TS0805F					5
TS0806F	6				
TS0807F	7				
TS0808F	8				
TS0809F	9				
TS0810F	10				
TS0812F	12				
TS1004F	10	4			
TS1005F		5			
TS1006F		6			
TS1007F		7			
TS1008F		8			
TS1009F		9			
TS1010F		10			
TS1012F		12			

Endoscopic Approach

► Both ends 5mm bare

Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
BS0604B	6	4	8	180	
BS0605B		5			
BS0606B		6			
BS0607B		7			
BS0608B		8			
BS0609B		9			
BS0610B		10			
BS0612B		12			
BS0804B		8			4
BS0805B					5
BS0806B	6				
BS0807B	7				
BS0808B	8				
BS0809B	9				
BS0810B	10				
BS0812B	12				
BS1004B	10	4			
BS1005B		5			
BS1006B		6			
BS1007B		7			
BS1008B		8			
BS1009B		9			
BS1010B		10			
BS1012B		12			

Percutaneous Approach

► Both ends 5mm bare

Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
TS0604B	6	4	8	50	
TS0605B		5			
TS0606B		6			
TS0607B		7			
TS0608B		8			
TS0609B		9			
TS0610B		10			
TS0612B		12			
TS0804B		8			4
TS0805B					5
TS0806B	6				
TS0807B	7				
TS0808B	8				
TS0809B	9				
TS0810B	10				
TS0812B	12				
TS1004B	10	4			
TS1005B		5			
TS1006B		6			
TS1007B		7			
TS1008B		8			
TS1009B		9			
TS1010B		10			
TS1012B		12			

RELEASED ARTICLE

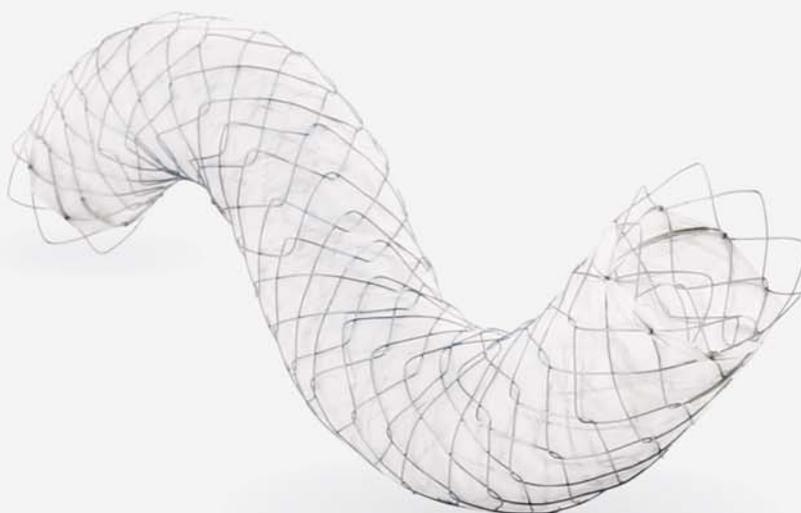
* Clinical Outcome of Endoscopic Ultrasound-Guided Liver Abscess Drainage Using Self-Expandable Covered Metallic Stent (with Video)

by Takeshi Ogura et al [Dig Dis Sci. 2016 Jan;61(1):303-8]

* Polyurethane-Covered Self-Expandable Nitinol Stent for Malignant Biliary Obstruction: Preliminary Results

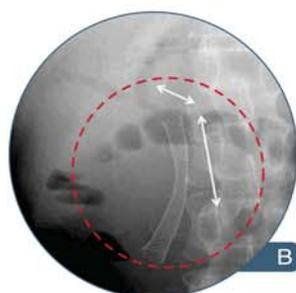
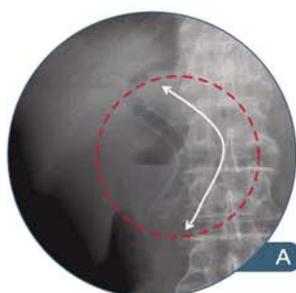
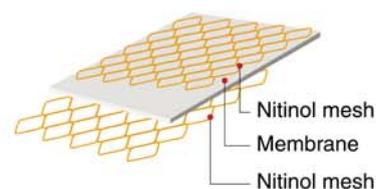
by Young-Min Han et al [Cardiovasc Intervent Radiol. 2002 Sep-Oct;25(5):381-7]

for malignant biliary obstruction



FEATURE

- **Triple layered construction:** Biocompatible PTFE membrane tube is held between inner and outer mesh
 - Unfixed cell structure enables stent to conform to the shape of bile duct
 - PTFE membrane prevents risk of tissue invasion
 - Outer wire mesh prevents the risk of migration
- **Minimum foreshortening** for accurate stent placement
- **Radiopaque marker:** 4 (four) at both covered part ends



Plane abdominal x-ray 1 week after stent insertion

- A. The COMVI™ stent conforms to the shape of the bile duct
- B. The covered Wallstent does not fit the tortuous bile duct

[Surg Endosc. 2010 Jan;24(1): 131-7]

ORDERING INFORMATION

Endoscopic Approach

► Fully covered

Code	Stent		Delivery				
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)			
BC0604F	6	4	8	180			
BC0605F		5					
BC0606F		6					
BC0607F		7					
BC0608F		8					
BC0609F		9					
BC0610F		10					
BC0612F		12					
BC0804F		8			4	8	180
BC0805F					5		
BC0806F					6		
BC0807F					7		
BC0808F	8						
BC0809F	9						
BC0810F	10						
BC0812F	12						
BC1004F	10		4	8	180		
BC1005F			5				
BC1006F			6				
BC1007F			7				
BC1008F		8					
BC1009F		9					
BC1010F		10					
BC1012F		12					

Percutaneous Approach

► Fully covered

Code	Stent		Delivery				
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)			
TC0604F	6	4	8	50			
TC0605F		5					
TC0606F		6					
TC0607F		7					
TC0608F		8					
TC0609F		9					
TC0610F		10					
TC0612F		12					
TC0804F		8			4	8	50
TC0805F					5		
TC0806F					6		
TC0807F					7		
TC0808F	8						
TC0809F	9						
TC0810F	10						
TC0812F	12						
TC1004F	10		4	8	50		
TC1005F			5				
TC1006F			6				
TC1007F			7				
TC1008F		8					
TC1009F		9					
TC1010F		10					
TC1012F		12					

Endoscopic Approach

► Both ends 5mm bare

Code	Stent		Delivery				
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)			
BC0604B	6	4	8	180			
BC0605B		5					
BC0606B		6					
BC0607B		7					
BC0608B		8					
BC0609B		9					
BC0610B		10					
BC0612B		12					
BC0804B		8			4	8	180
BC0805B					5		
BC0806B					6		
BC0807B					7		
BC0808B	8						
BC0809B	9						
BC0810B	10						
BC0812B	12						
BC1004B	10		4	8	180		
BC1005B			5				
BC1006B			6				
BC1007B			7				
BC1008B		8					
BC1009B		9					
BC1010B		10					
BC1012B		12					

Percutaneous Approach

► Both ends 5mm bare

Code	Stent		Delivery				
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)			
TC0604B	6	4	8	50			
TC0605B		5					
TC0606B		6					
TC0607B		7					
TC0608B		8					
TC0609B		9					
TC0610B		10					
TC0612B		12					
TC0804B		8			4	8	50
TC0805B					5		
TC0806B					6		
TC0807B					7		
TC0808B	8						
TC0809B	9						
TC0810B	10						
TC0812B	12						
TC1004B	10		4	8	50		
TC1005B			5				
TC1006B			6				
TC1007B			7				
TC1008B		8					
TC1009B		9					
TC1010B		10					
TC1012B		12					

RELEASED ARTICLE

* Prospective evaluation of the partially covered nitinol "COMVI™" stent for malignant non hilar biliary obstruction

by Vincenzo Perri et al [Dig Liver Dis. 2013 Apr;45(4):305-9]

* Measurement of radial and axial forces of biliary self-expandable metallic stents

by Hiroyuki Isayama, MD, PhD et al [Gastrointest Endosc. 2009 Jul;70(1):37-44. doi: 10.1016]

* Management of distal malignant biliary obstruction with the Comvi stent, a new covered metallic stent

by Hiroyuki Isayama et al [Surg Endosc. 2010 Jan;24(1):131-7]

BUMPY™

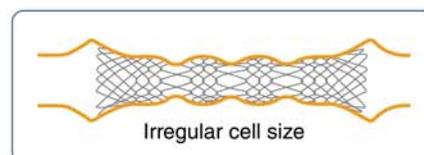
Biliary/Pancreatic Stent

for benign biliary and pancreatic strictures

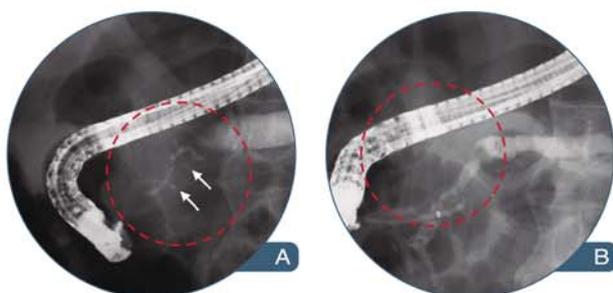


FEATURE

- **Safety:** Irregular cell sizes of segmental radial force does not completely compress the side branches for preventing stent related pancreatic sepsis or pancreatitis



- **Easy removal:** Fully PTFE (body portion) and silicone (both flared ends) covered design along with removal string at the proximal end of the stent lead to easy removal
- **Antimigration:** Both flared ends prevent the risk of migration
- **Radiopaque marker:** 3 (three) at both ends & 2 (two) in the middle



A. Tight pancreatic duct stricture in the pancreatic head
B. After 3month, Resolution of the pancreatic duct stricture
by Sung-Hoon Moon, MD et al [Gastrointest Endosc. 2010 Jul;72(1):86-91]

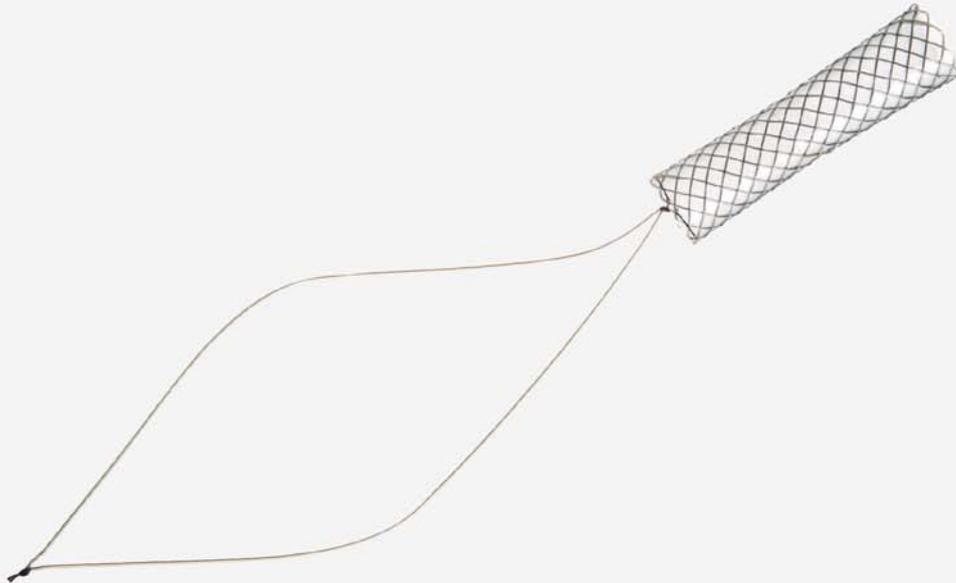
ORDERING INFORMATION

Endoscopic Approach					Percutaneous Approach										
Code	Stent		Delivery		Code	Stent		Delivery							
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)						
BK0604CW	6	4	8.5	180	TK0604CW	6	4	8.5	50						
BK0605CW		5			TK0605CW		5								
BK0606CW		6			TK0606CW		6								
BK0607CW		7			TK0607CW		7								
BK0608CW		8			TK0608CW		8								
BK0609CW		9			TK0609CW		9								
BK0610CW		10			TK0610CW		10								
BK0612CW		12			TK0612CW		12								
BK0804CW		8			4		8.5			180	TK0804CW	8	4	8.5	50
BK0805CW					5						TK0805CW		5		
BK0806CW	6		TK0806CW	6											
BK0807CW	7		TK0807CW	7											
BK0808CW	8		TK0808CW	8											
BK0809CW	9		TK0809CW	9											
BK0810CW	10	10	8.5	180	TK0810CW	10	10	8.5	50						
BK0812CW		12			TK0812CW		12								
BK1004CW		4			TK1004CW		4								
BK1005CW		5			TK1005CW		5								
BK1006CW	10	6	8.5	180	TK1006CW	10	6	8.5	50						
BK1007CW		7			TK1007CW		7								
BK1008CW		8			TK1008CW		8								
BK1009CW		9			TK1009CW		9								
BK1010CW		10			TK1010CW		10								
BK1012CW		12			TK1012CW		12								

RELEASED ARTICLE

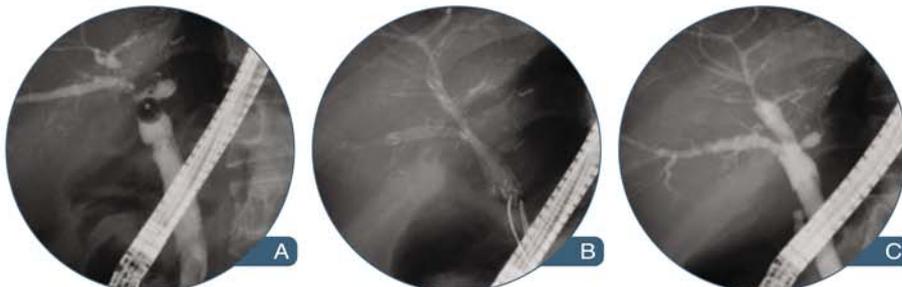
- * A fully covered self-expandable metal stent with antimigration features for benign biliary strictures: a prospective, multicenter cohort study by Daisy Walter et al [Gastrointest Endosc. 2015 May;81(5):1197-203]
- * Fully covered self-expandable metallic stents in benign biliary strictures: A multicenter study on efficacy and safety by I. Tarantino et al [Endoscopy. 2012 Oct;44(10):923-7]
- * Modified fully covered self-expandable metal stents with antimigration features for benign pancreatic-duct strictures in advanced chronic pancreatitis, with a focus on the safety profile and reducing migration by Sung-Hoon Moon, MD et al [Gastrointest Endosc. 2010 Jul;72(1):86-91]
- * Feasibility and safety of placement of a newly designed, fully covered self-expandable metal stent for refractory benign pancreatic ductal strictures: a pilot study by Do Hyun Park, MD, PhD et al [Gastrointest Endosc. 2008 Dec;68(6):1182-9. doi: 10.1016]

for anastomotic strictures after liver transplantation



FEATURE

- **Characteristic waist at mid-portion of the stent:** Waist shape of the stent allows strong radial force and preventing migration
- **Short length of stent:** Using a short stent across the stricture prevents to impart pressure over a large area of normal duct by reducing the potential risk of necrosis and fibrosis
- **Long platinum radiopaque retrieval string:** The long platinum string helps easy removal from the high up location of CBD
- **Radiopaque marker:** 3 (three) at both ends & 2 (two) in the middle



A. The cholangiogram shows multiple anastomotic strictures at the posterior and inferior intrahepatic ducts.
B. The FCSEMSs (KAFFES™) are inserted sequentially into the stricture sites.
C. The cholangiogram demonstrates resolution of the multiple strictures.

by Sung Ill Jang et al [Therap Adv Gastroenterol. 2017 Mar; 10(3): 297–309]

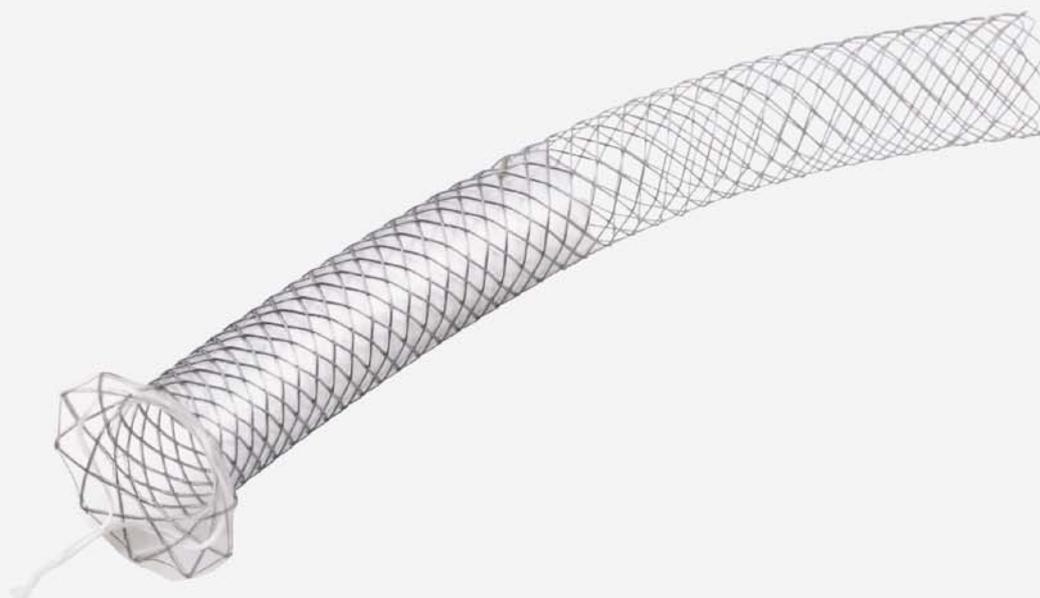
ORDERING INFORMATION

Endoscopic Approach					Percutaneous Approach						
Code	Stent		Delivery		Code	Stent		Delivery			
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)		
BS0604F2	6	4	8.5	180	TS0604F2	6	4	8.5	50		
BS0605F2		5			TS0605F2		5				
BS0606F2		6			TS0606F2		6				
BS0607F2		7			TS0607F2		7				
BS0608F2		8			TS0608F2		8				
BS0804F2	8	4			9	TS0804F2	8			4	9
BS0805F2		5				TS0805F2				5	
BS0806F2		6				TS0806F2				6	
BS0807F2		7	TS0807F2			7					
BS0808F2		8	TS0808F2			8					
BS1004F2	10	4	9			TS1004F2	10	4		9	
BS1005F2		5				TS1005F2		5			
BS1006F2		6				TS1006F2		6			
BS1007F2		7		TS1007F2		7					
BS1008F2		8		TS1008F2		8					

RELEASED ARTICLE

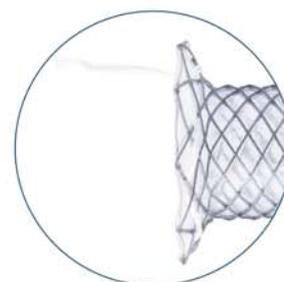
- * Salvage therapy using self-expandable metal stents for recalcitrant anastomotic strictures after living-donor liver transplantation
by Sung Ill Jang et al [Therap Adv Gastroenterol. 2017 Mar; 10(3): 297-309]
- * A randomized trial of a fully covered self-expandable metallic stent versus plastic stents in anastomotic biliary strictures after liver transplantation
by Arthur Kaffes et al [Therap Adv Gastroenterol. 2014 Mar;7(2):64-71]
- * Fully covered self-expandable metal stents for treatment of benign biliary strictures
by Arthur J. Kaffes et al [Gastrointest Endosc. 2013 Jul;78(1):13-21. doi: 10.1016]
- * Placement of removable metal biliary stent in post-orthotopic liver transplantation anastomotic stricture
by Hoi-Poh Tee et al [World J Gastroenterol. 2010 Jul 28;16(28):3597-600]

for EUS-guided hepaticogastrostomy

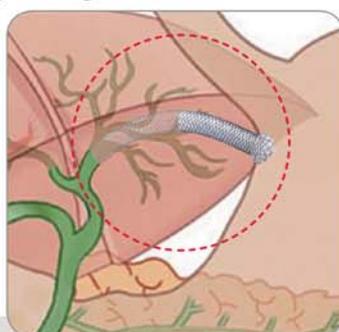
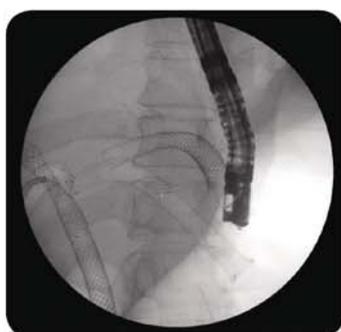


FEATURE

- Half covered and Half uncovered design
 - (1) Covered part: Bridge from left hepatic duct to the stomach & Prevent leakage
 - Flared end placed out of stomach wall preventing migration
 - (2) Uncovered part : Avoid side branch blocking & Prevent migration
- Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle



Fluoroscopic Image



Endoscopic Image



Flexible design greatly conforms to the curved track from stomach to left hepatic duct

[Dr. Marc Giovannini (Chef du Service d'Endoscopie, Institut Paoli-Calmettes, Marseille, France)]

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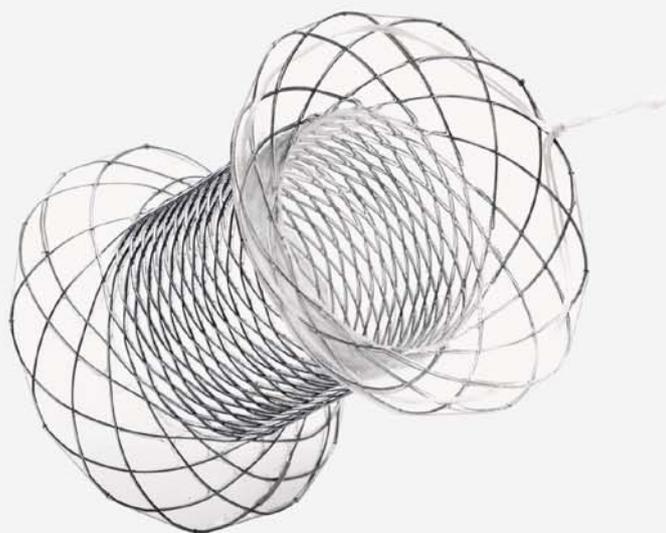
Endoscopic Approach				
Code	Stent		Delivery	
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)
BS0808FP	8	8	8.5	180
BS0810FP		10		
BS1008FP	10	8		
BS1010FP		10		

RELEASED ARTICLE

* Feasibility of endoscopic ultrasound-guided hepaticogastrostomy in a patient with previous astric banding
by D. Galasso, MD et al [Endoscopy 2013;45: E233-E234]

NAGI™ Stent

for pancreatic pseudocyst drainage

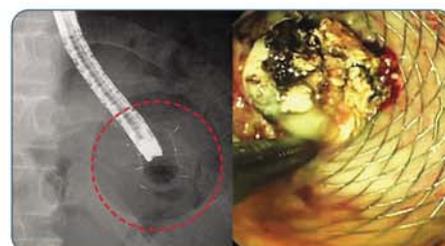


FEATURE

- **Wide and smooth flare edges**
 - Prevent the risk of migration and possibility of stent related luminal damages
- **Available in various diameters (Up to 16mm)**
 - Optimize drainage and provide enough path for following necrosectomy in case
- **Retrieval String** for repositioning or easy removal
- **Radiopaque marker: 3 (three) at both ends & 2 (two) in the middle**



A large amount of pus came out through the stent



Conventional upper GI endoscope advances into the pseudocyst through the stent. Then performing of necrosectomy is using the snare forceps

[J Hepatobiliary Pancreat Sci. 2013 Mar;20(3):403-6]



An endoscopic approach that uses this new FCSEMS (NAGI™) is feasible in the treatment of PFCs of both pancreatic pseudocysts and walled-off pancreatic necrosis

◀ Placement of a transnasal drainage tube for irrigation and direct endoscopic necrosectomy through the stent

by Naysuyo Yamamoto, MD [Gastrointest Endosc. 2013 May;77(5):809-14]

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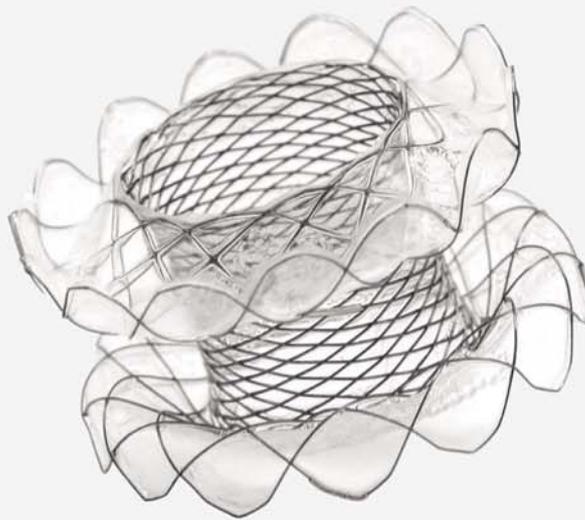
Endoscopic Approach				
Code	Stent		Delivery	
	Diameter (mm)	Length (cm)	Profile (Fr)	Usable Length (cm)
BS1001FW	10	1	9	180
BS1002FW		2		
BS1003FW		3		
BS1201FW	12	1		
BS1202FW		2		
BS1203FW		3		
BS1402FW	14	2	10	
BS1403FW		3		
BS1602FW	16	2		
BS1603FW		3		

RELEASED ARTICLE

- * Endoscopic "step-up approach" using a dedicated biflanged metal stent reduces the need for direct necrosectomy in walled-off necrosis (with videos) by Sundeep Lakhtakia, DM et al [Gastrointest Endosc. 2016 Nov 11. pii: S0016-5107(16)30735-0]
- * Endoscopic therapy for infected pancreatic necrosis using fully covered self-expandable metal stents: combination of transluminal necrosectomy, transluminal and percutaneous drainage by D. Albers et al [Z Gastroenterol. 2016 Jan;54(1):26-30]
- * EUS-guided pseudocyst drainage: prospective evaluation of early removal of fully covered self-expandable metal stents with pancreatic ductal stenting in selected patients by Vinay Dhir et al [Gastrointest Endosc. 2015 Oct;82(4):650-7; quiz 718.e1-5]
- * Clinical evaluation of endoscopic ultrasonography-guided drainage using a novel flared-type biflanged metal stent for pancreatic fluid collection by Shuntaro Mukai et al [Endosc Ultrasound. 2015 Apr-Jun;4(2):120-5]
- * EUS-guided drainage of hepatic abscess and infected biloma using short and long metal stents by Ryosuke Tono-zuka, MD [Gastrointest Endosc. 2015;81(6):1463-9]
- * First report of endoscopic ultrasound-guided cholecystogastrostomy with a Nagi covered metal stent for palliation of jaundice in extrahepatic biliary obstruction by Praveer Rai et al [Endoscopy. 2014;46 Suppl 1 UCTN:E334-5]
- * Preliminary report on a new, fully covered, metal stent designed for the treatment of pancreatic fluid collections by Naysuyo Yamamoto, MD et al [Gastrointest Endosc. 2013 May;77(5):809-14]

SPAXUS™ Stent

for pancreatic pseudocyst or gallbladder drainage



Lumen-apposing SPAXUS™ Stent

- Prevents migration and maintains lumen apposition
- Fully silicone coating prevents leakage and in-growth
- Flexible design helps accommodative apposition regardless of wall thickness
- 8, 10, 16mm diameters enable to apply various indications



User friendly designed SPAXUS™ Delivery system

- Step1. When the outer X-ray marker overlaps with the inner X-ray marker
→ Distal flange is completely opened
- Step2. When the blue marker is visible under endoscopic view
→ Start opening proximal flange

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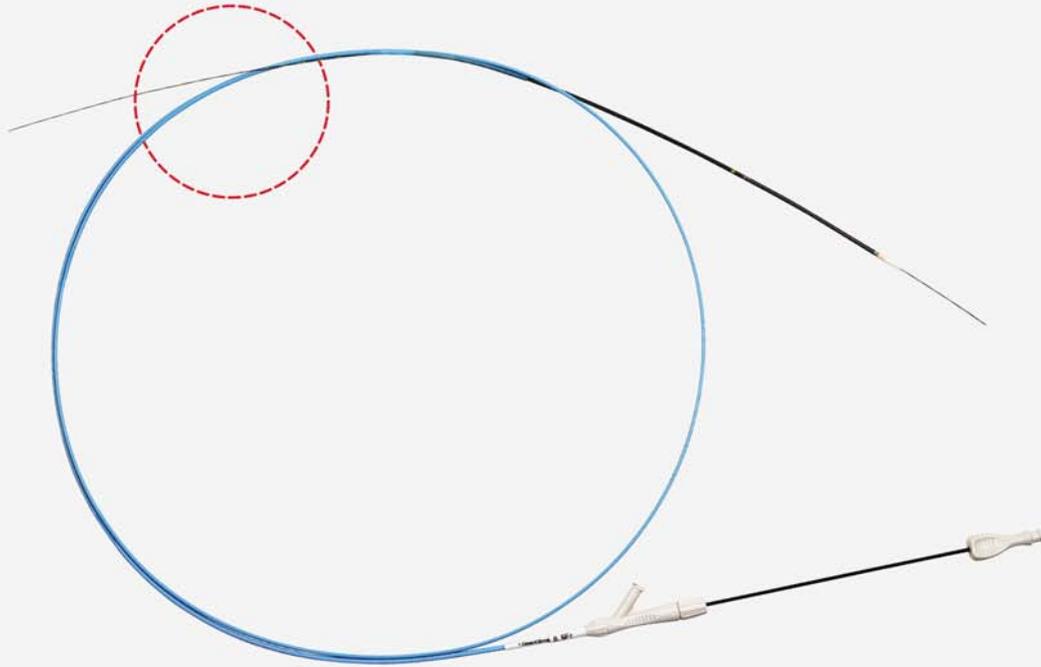
Endoscopic Approach						
Products	Code	Stent			Delivery	
		Body Diameter (mm)	Flare Diameter (mm)	Length (cm)	Profile (Fr)	Usable Length (cm)
	SS0802FW	8	23	2	10	180
	SS1002FW	10	25			
	SS1602FW	16	31			

RELEASED ARTICLE

* A Newly designed fully covered metal stent for lumen apposition in EUS-guided drainage and access: a feasibility study
by Jong H.Moon et al [Gastrointest Endosc 2014;79:990-995]

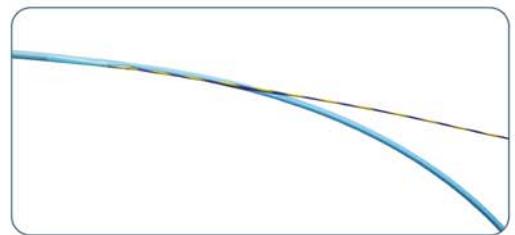
* Novel EUS-guided gastrojejunostomy technique using a new double-balloon enteric tube and lumen-apposing metal stent
by Takao Itoi et al [Gastrointest Endosc 2013;78:934-939]

Short-wire Delivery System



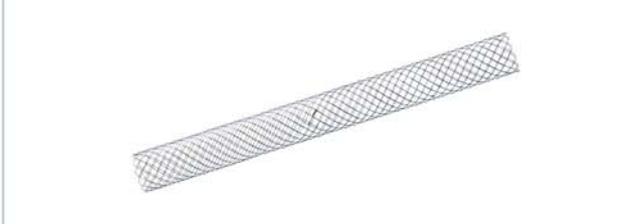
Time saving, Easy controlling

- Time saving during device exchanges and therapeutic maneuvers
- Reduction of fluoroscopy exposure time
- Maintaining the access
- Less dependence on a well-trained assistant
- Easy control of the guidewire

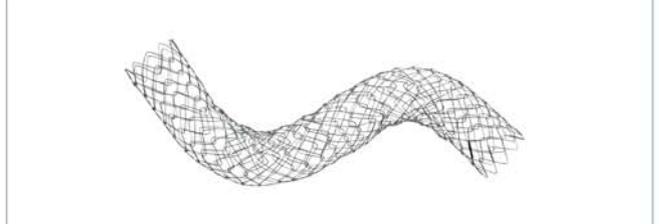


ORDERING INFORMATION

S Biliary Stent (Uncovered)



D Biliary Stent (Uncovered)

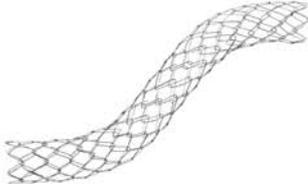


Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
BM0604	6	4	8.5	180	
BM0605		5			
BM0606		6			
BM0607		7			
BM0608		8			
BM0609		9			
BM0610		10			
BM0612		12			
BM0804		8			4
BM0805					5
BM0806	6				
BM0807	7				
BM0808	8				
BM0809	9				
BM0810	10				
BM0812	12				
BM1004	10	4			
BM1005		5			
BM1006		6			
BM1007		7			
BM1008		8			
BM1009		9			
BM1010		10			
BM1012		12			

Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
BDM0604	6	4	8.5	180	
BDM0605		5			
BDM0606		6			
BDM0607		7			
BDM0608		8			
BDM0609		9			
BDM0610		10			
BDM0612		12			
BDM0804		8			4
BDM0805					5
BDM0806	6				
BDM0807	7				
BDM0808	8				
BDM0809	9				
BDM0810	10				
BDM0812	12				
BDM1004	10	4			
BDM1005		5			
BDM1006		6			
BDM1007		7			
BDM1008		8			
BDM1009		9			
BDM1010		10			
BDM1012		12			

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LCD™ Biliary Stent (Uncovered)



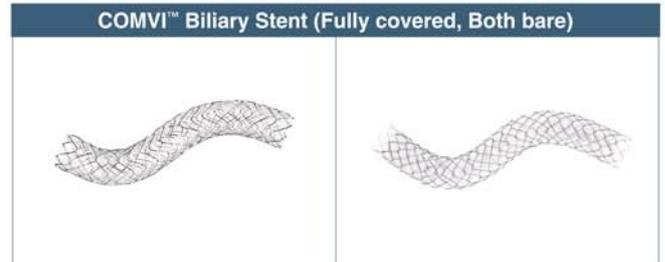
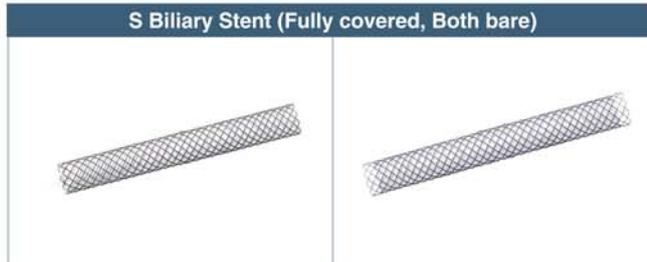
Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
BLDM0604	6	4	8.5	180	
BLDM0605		5			
BLDM0606		6			
BLDM0607		7			
BLDM0608		8			
BLDM0609		9			
BLDM0610		10			
BLDM0804		8			4
BLDM0805					5
BLDM0806					6
BLDM0807	7				
BLDM0808	8				
BLDM0809	9				
BLDM0810	10				
BLDM0812	12				
BLDM1004	10	4			
BLDM1005		5			
BLDM1006		6			
BLDM1007		7			
BLDM1008		8			
BLDM1009		9			
BLDM1010		10			
BLDM1012		12			

BUMPY™ Biliary Stent (Fully covered)



Code	Stent		Delivery		
	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)	
BKM0604CW	6	4	8.5	180	
BKM0605CW		5			
BKM0606CW		6			
BKM0607CW		7			
BKM0608CW		8			
BKM0609CW		9			
BKM0610CW		10			
BKM0612CW		12			
BKM0804CW		8			4
BKM0805CW					5
BKM0806CW	6				
BKM0807CW	7				
BKM0808CW	8				
BKM0809CW	9				
BKM0810CW	10				
BKM0812CW	12				
BKM1004CW	10	4			
BKM1005CW		5			
BKM1006CW		6			
BKM1007CW		7			
BKM1008CW		8			
BKM1009CW		9			
BKM1010CW		10			
BKM1012CW		12			

ORDERING INFORMATION



Code		Stent		Delivery				
Fully covered	Both ends bare	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)			
BSM0604F	BSM0604B	6	4	8.5	180			
BSM0605F	BSM0605B		5					
BSM0606F	BSM0606B		6					
BSM0607F	BSM0607B		7					
BSM0608F	BSM0608B		8					
BSM0609F	BSM0609B		9					
BSM0610F	BSM0610B		10					
BSM0612F	BSM0612B		12					
BSM0804F	BSM0804B		8			4	8.5	180
BSM0805F	BSM0805B					5		
BSM0806F	BSM0806B					6		
BSM0807F	BSM0807B					7		
BSM0808F	BSM0808B	8						
BSM0809F	BSM0809B	9						
BSM0810F	BSM0810B	10						
BSM0812F	BSM0812B	12						
BSM1004F	BSM1004B	10	4	8.5	180			
BSM1005F	BSM1005B		5					
BSM1006F	BSM1006B		6					
BSM1007F	BSM1007B		7					
BSM1008F	BSM1008B		8					
BSM1009F	BSM1009B		9					
BSM1010F	BSM1010B		10					
BSM1012F	BSM1012B		12					

Code		Stent		Delivery				
Fully covered	Both ends bare	Diameter (mm)	Length (cm)	Profile (fr)	Usable Length (cm)			
BCM0604F	BCM0604B	6	4	8.5	180			
BCM0605F	BCM0605B		5					
BCM0606F	BCM0606B		6					
BCM0607F	BCM0607B		7					
BCM0608F	BCM0608B		8					
BCM0609F	BCM0609B		9					
BCM0610F	BCM0610B		10					
BCM0612F	BCM0612B		12					
BCM0804F	BCM0804B		8			4	8.5	180
BCM0805F	BCM0805B					5		
BCM0806F	BCM0806B					6		
BCM0807F	BCM0807B					7		
BCM0808F	BCM0808B	8						
BCM0809F	BCM0809B	9						
BCM0810F	BCM0810B	10						
BCM0812F	BCM0812B	12						
BCM1004F	BCM1004B	10	4	8.5	180			
BCM1005F	BCM1005B		5					
BCM1006F	BCM1006B		6					
BCM1007F	BCM1007B		7					
BCM1008F	BCM1008B		8					
BCM1009F	BCM1009B		9					
BCM1010F	BCM1010B		10					
BCM1012F	BCM1012B		12					