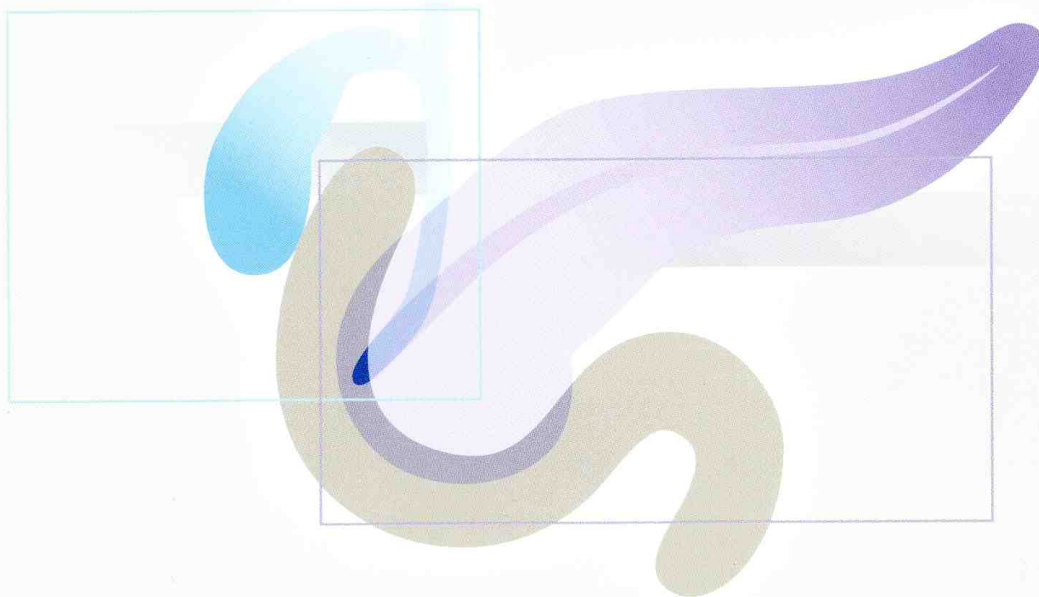


OLYMPUS[®]

Your Vision, Our Future



Biliary / Pancreatic Stents

Take advantage of a comprehensive lineup of biliary and pancreatic stents from Olympus featuring advanced material and innovative design for efficient and effective endoscopic drainage

Innovative New Line of Stents for Optimal Endoscopic Drainage of the Pancreatobiliary Tract



■ PBD-422

■ Center bend type with double-layer design to minimize bile adhesion and accumulation in the interior

■ PBD-421

■ Duodenal bend type with double-layer design to minimize bile adhesion and accumulation in the interior

DoubleLayer™
Biliary Stent

Bili Biliary
Stents



■ PBD-210

■ Straight type with highly water-repellent fluoroplastic material to minimize bile adhesion and accumulation in the interior

■ PBD-211

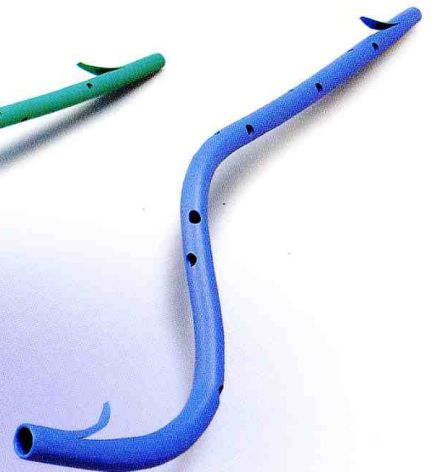
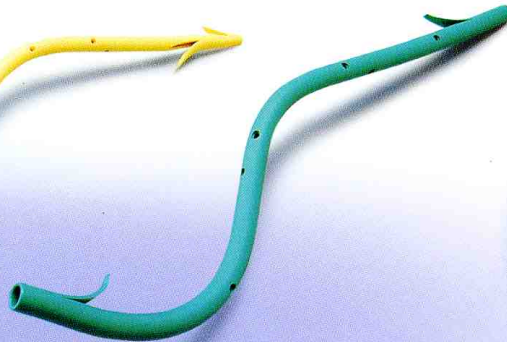
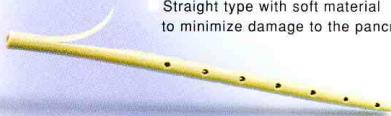
■ Duodenal bend type with highly water-repellent fluoroplastic material to minimize bile adhesion and accumulation in the interior

Olympus offers a wide range of innovative biliary/pancreatic stents that provide versatile and effective support for endoscopic drainage of the pancreatobiliary tract. Stents are available in a variety of configurations featuring different contours, diameters, and lengths, as well as flap and side hole designs to choose the best suited to the ductal anatomy of each patient and the degree of stenosis.

Pancreatic Stents

■ PBD-230

■ Straight type with soft material to minimize damage to the pancreatic duct



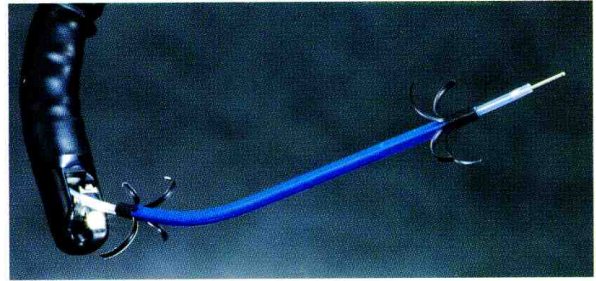
■ PBD-234

■ S-shaped type having soft material to minimize damage to the pancreatic duct, with 7 Fr., 8.5 Fr. or 10 Fr. diameter

Exclusive combination of two materials optimizes passage through a strictured bile duct



Olympus DoubleLayer™ biliary stents feature a unique double-layer construction, with each layer composed of a different material with different properties. The material in the inner layer features superior water-repellent properties that minimize bile adhesion and accumulation on the interior surface, while the more rigid material in the outer layer provides the stiffness necessary to facilitate smooth insertion. This unique design allows the stent to pass easily through a strictured bile duct.

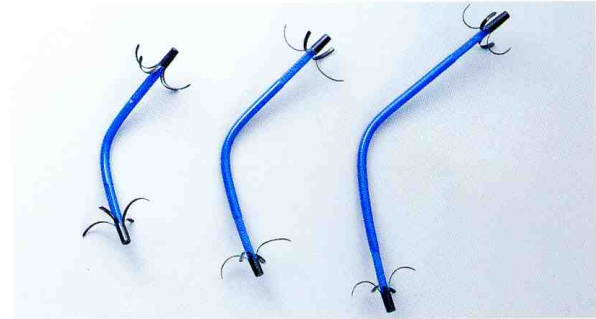


Features

- Unique double-layer construction with a different material in each layer. The different properties of these materials minimize bile adhesion and accumulation, while providing optimal stent stiffness and elasticity. The inner layer uses a specially processed fluoroplastic material that makes the interior surface five times smoother than that of conventional plastic stents. The outer layer is made of polyamide elastomer to provide the stiffness and elasticity needed to ensure easy passage through a stricture. A stainless steel mesh separates the two layers.
- There are no flap holes or side holes. Various clinical studies have suggested that the accumulation of bile is particularly noticeable in conventional plastic stents near flap holes and/or side holes. The DoubleLayer™ design eliminates these holes to reduce bile accumulation in the stent interior.
- Four flaps are provided at the distal and duodenal ends to ensure secure placement in the bile duct. These flaps also increase contrast in fluoroscopic images, facilitating position confirmation during stent placement.
- The DoubleLayer™ stent is available in two designs: the duodenal bend type and center bend type. DoubleLayer™ stents are available in 10 mm increments from 30 mm to 150 mm for center bend type, 40 mm to 150 mm for duodenal bend type (length between flaps).



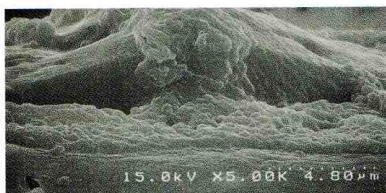
PBD-421(Duodenal Bend Type)



PBD-422(Center Bend Type)

Comparison of Clogging Substance Accumulation

[Electronic Microscope 5000x]



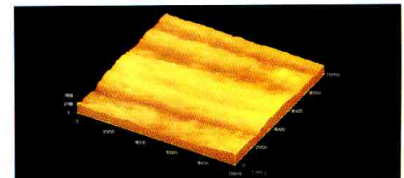
Conventional Plastic Stent



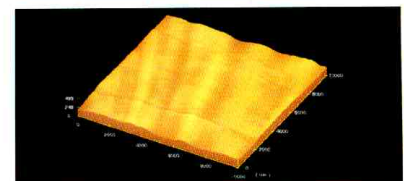
DoubleLayer™ Stent

Comparison of Inner Surface

[Atomic Force Microscope 7500000x]



Conventional Plastic Stent



DoubleLayer™ Stent

PBD-421/422 Specifications

	PBD-421Z-10-1	PBD-421R-10-1	PBD-422Z-10-1	PBD-422R-10-1
Compatible channel diameter	4.2 mm			
Compatible guidewire diameter	0.035 inch (0.89 mm)			
Stent outer diameter	10 Fr.			
Stent configuration	Duodenal bend type		Center bend type	
Insertion kit	Non-assembled MAJ-255	Pre-assembled MAJ-510	Non-assembled MAJ-255	Pre-assembled MAJ-510

