EGIS BILIARY STENT

1. Features & Benefits
2. Ordering information
3. References
# 1. Features & Benefits (1)

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefit</th>
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</thead>
<tbody>
<tr>
<td><strong>Superior flexibility &amp; conformability</strong></td>
<td>Soft ends preventing a damage to ducts and to have better patency rate offering since tortuous anatomy's adaptability improves</td>
</tr>
<tr>
<td><strong>4 Types</strong></td>
<td>Variety of choices available following by lesion types and the users’ recommend</td>
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<tr>
<td>Single bare, Single cover, Double bare, Double cover</td>
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<tr>
<td><strong>Miniscule cells</strong></td>
<td>To deter tumor’s in-growth and possible to have better patency rate</td>
</tr>
<tr>
<td>Single bare &amp; Double bare type</td>
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</tr>
<tr>
<td><strong>Polishing process</strong></td>
<td>To reduce a wire fracture by removing the micro cracks</td>
</tr>
<tr>
<td><strong>Reduced shortening</strong></td>
<td>Will be successful deploying to the point since foreshortening is reduced within 20%</td>
</tr>
<tr>
<td><strong>Non-biodegradable silicone membrane</strong></td>
<td>The silicon is most biocompatibility and can stay longer Silicone membrane won’t decomposition by body fluid (pre-clinical data, 8wks)</td>
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## 1. Features & Benefits (2)

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1. **Features & Benefits**

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<td></td>
</tr>
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</table>

[Images of various types of medical devices are shown, including Single Bare (SB), Single Covered (SC), Double Bare (DB), and Double Covered (DC).]
1. Features & Benefits (4)

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**EGIS Biliary Stent**

<table>
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<tr>
<th>Feature</th>
<th>Size</th>
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<tr>
<td>Single Bare Cell size</td>
<td>2mm</td>
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<tr>
<td>Double Bare Cell size</td>
<td>1mm &amp; Both-end 2mm</td>
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![Image of EGIS Biliary Stent]
### 1. Features & Benefits (5)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Polishing process</td>
<td>To reduce a wire fracture by removing the micro cracks</td>
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</tbody>
</table>

- Micro-cracks found on the stent surface before the polishing process.
- Micro-cracks left for extended period of time in the body can cause stent fracture.
- Micro-cracks are completely removed after completing the polishing process.
1. Features & Benefits (6)

<table>
<thead>
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<th>Benefit</th>
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</table>

![Bar chart showing comparison of different products and conditions]
## 1. Features & Benefits (7)

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</table>

**SEM (Scanning Electron Microscope) before the experiments**

- Degradation (Polyurethane)
- Non-Degradation (Medical grade silicon)

The experiments in the human bilie juice during the 8weeks
## 2. Ordering information (1)

**ordering codes guide**

<table>
<thead>
<tr>
<th>Type &amp; Size</th>
<th>Percutanous Approach</th>
<th>Endoscopic Approach</th>
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**Diameter (mm):** 8, 10, 12

**Length (mm):** 40, 50, 60, 70, 80, 90, 100, 120

(Length 120mm: only single bare type)

(Ordering No. First two**: Diameter / Last two**: Length)
## 2. Ordering information (2)

<table>
<thead>
<tr>
<th>Ordering No.</th>
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<th>Introducer</th>
<th>notes</th>
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<th>Diameter (mm)</th>
<th>Length (mm)</th>
<th>Diameter [O.D, Fr]</th>
<th>Usable length (mm)</th>
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500 via PTBD tract

1800 via Endoscope channel
# 2. Ordering information

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**Notes:**
- 500 via PTBD tract
- 1800 via Endoscope channel
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3. References (1)

Anchoring of a Fully Covered Self-Expandable Metal Stent With a 5F Double-Pigtail Plastic Stent to Prevent Migration in the Management of Benign Biliary Strictures
Jong Kyu Park, MD 1, 2, Jong Ho Moon, MD, PhD 1, Hyun Jong Choi, MD 1, Seul Ki Min, MD 1, Tae Hoon Lee, MD 1, Gab Jin Cheon, MD, PhD 2, Young Koog Cheon, MD, PhD 1, Young Deok Cho, MD, PhD 1, Sang-Heum Park, MD, PhD 1 and Sun-Joo Kim, MD, PhD 1
(Am J Gastroenterol advance online publication, 26 July 2011; doi: 10.1038/ajg.2011.212)

Nitinol biliary stent versus surgery for palliation of distal malignant biliary obstruction
Rodrigo Castan˜o • Tercio L. Lopes • Oscar Alvarez • Victor Calvo • Leticia P. Luz • Everson L. A. Artifon
(Received: 10 August 2009 / Accepted: 14 January 2010 Springer Science+Business Media, LLC 2010)

EGIS Biliary Case Report - Transhepatic Insertion of biliary Egis Stent (Double Bare)
Dr Hans-Ulrich Laasch, Consultant Radiologist, Christie Hospital, Manchester

A Newly Designed, Double-Layered and Silicon-Covered Metallic Stent for Malignant Biliary Obstruction: A Multicenter Feasibility Study
Seok Jeong, Don Haeng Lee, Jong Ho Moon, Seok-Ho Dong
3. References (2)

Clinical outcomes after percutaneous biliary interventions in patients with malignant biliary obstruction caused by metastatic gastric cancer
Dong Il Gwon, Gi-Young Ko, Kyu-Bo Sung, Hyun-Ki Yoon, Kyung-Ah Kim, Young Jun Kim, Tae Hwan Kim and Woong Hee Lee
Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea
Acta Radiol 8 March 2012 ar.2012.110703

Retrospective Comparison of Internally and Externally Covered Retrievable Stent Placement for Patients With Benign Urethral Strictures Caused by Traumatic Injury
Han Kyu Na, Ho-Young Song, Hyun Jin Yeo, Jung-Hoon Park, Jin Hyoung Kim, Hyungkeun Park and Choung-soo Kim
1 Department of Radiology and Research Institute of Radiology, 388-1, Poongnap 2-dong, Songpa-gu, Seoul 138-736, Republic of Korea.
2 Department of Urology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea.
AJR January 2012 vol. 198 no. 1 W55-W61