SpyGlass™ DS II Direct Visualization System

Whether cases are simple or complex, the standard of care should be anything but standard.

The SpyGlass DS System
A Robust Suite of Solutions
Redesigned Portfolio
Ordering Information
Additional Resources
The SpyGlass™ DS System

The SpyGlass DS System enables high resolution imaging and therapy during an endoscopic retrograde cholangiopancreatography (ERCP) procedure to target biopsies and fragment stones, which may result in more efficient evaluation and help reduce the need for additional testing and repeat procedures compared to traditional ERCP, and enable patients to receive treatment sooner. The system enables direct visualization of the bile and pancreatic ducts and can help obtain biopsy specimens, lead to the diagnosis of abnormalities, and guide stone therapy.

Since its launch in 2015, the SpyGlass DS System has impacted more than 110,000 patient lives in more than 65 countries.
The SpyGlass™ DS System provides **important clinical, operational and economic benefits for managing patients** with complex pancreaticobiliary disorders, such as difficult stones and indeterminate strictures.

### About Cholangioscopy

**The SpyGlass DS System**

In a clinical study of 289 patients, clinical management was altered in 85% of patients undergoing diagnostic ERCP with cholangioscopy.\(^{12}\)

95% stone clearance rates\(^{2}\) may reduce the need for more invasive and costly procedures, which may have a significant impact on patient outcomes and patient satisfaction.

May enable **faster, more definitive cancer diagnosis** by allowing clinicians to obtain biopsies of tissue under direct visualization, improving sensitivity and diagnostic yield.\(^{3}\)

A recent study showed the SpyGlass DS System provided enhanced diagnostic yield, shorter procedure times, and less radiation exposure compared to a fiberoptic single-operator cholangiopancreatoscopy system.\(^{10}\)
Does reliance upon two dimensional, black and white imaging (fluoroscopy) enable the most effective way to diagnose and treat pancreaticobiliary strictures and stones?

Fluoroscopic Cytology Brush  First Generation SpyGlass™ System  SpyGlass DS System  SpyGlass DS II System

SENSITIVITY 45%  SENSITIVITY 44%  SENSITIVITY 86%

View of Cholangiocarcinoma
Video provided courtesy of Isaac Raijman, M.D.
Our Purpose is Clear:
The 3rd Generation SpyScope DS II Access & Delivery Catheter

Built on the ground-breaking technology of the SpyScope DS Catheter, the SpyScope DS II Catheter features increased resolution and adjusted lighting to provide physicians with an even better view of the biliary and pancreatic ducts.
Redesigned Suite of Compatible Accessory Devices: Stricture Management

**SpyBite™ Max Biopsy Forceps**

A design enhancement to the legacy SpyBite Biopsy Forceps have been shown to acquire more than 2X tissue in an average bite.***

Performing biopsies under direct visualization using the SpyGlass System and SpyBite™ Biopsy Forceps (86% sensitivity) enables faster, more accurate diagnosis of malignancies.®

The SpyGlass DS System modality should be considered for the first-line management of strictures.
Redesigned Suite of Compatible Accessory Devices: Stricture Management

Getting More with SpyBite Max Biopsy Forceps

- **97% TISSUE ACQUISITION RATE***
  - Higher tissue acquisition rate can enable **more efficient** procedures

- **89% OF PHYSICIANS***
  - Stated SpyBite Max acquires **more tissue** on an average bite than SpyBite

- **88% OF PHYSICIANS***
  - Were **more confident** in their ability to acquire tissue from challenging scope positions

SpyGlass DS Direct Visualization System
Redesigned Suite of Compatible Accessory Devices: Stone Management

**SpyGlass™ Retrieval Basket**

The SpyGlass Retrieval Basket can be used to capture and remove residual biliary and pancreatic stones and stone fragments visualized with the SpyGlass DS System.

**Electrohydraulic Lithotripsy (EHL)**

Direct visualization stone clearance using EHL has been shown to be clinically effective with demonstrated **procedural success**, with single-session stone clearance rates of ~75%.

**NEW Mediglide Enhanced for Smoother Deployment & Actuation**

In a recent study, 15/50 patients (30%) were found to have residual biliary stones that were not seen with occlusion cholangiogram, but were detected when the SpyGlass DS system was used.11

Achieving single session stone clearance and reducing the need for a repeat procedure(s) may deliver greater patient satisfaction and decrease unnecessary procedural costs.

**SpyGlass Retrieval Snare**

The new SpyGlass Retrieval Snare is designed to enable efficient capture and removal of foreign bodies in the biliary and pancreatic ducts, such as migrated plastic stents, during an ERCP procedure.

Capture and removal of a biliary plastic stent using the SpyGlass Retrieval Snare.
Innovation is continuing...
### Ordering Information

#### The SpyGlass DS System
**A Robust Suite of Solutions**
**Redesigned Portfolio**

#### Ordering Information

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<td>M00546610</td>
<td>SpyScope™ DS II Access &amp; Delivery Catheter</td>
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#### SpyGlass DS Accessory Devices (Optional)

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#### Biliary EHL Probe

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#### Autolith™ Touch System

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<tr>
<td>M00546750</td>
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<tr>
<td>M00546760</td>
<td>Autolith Touch Foot Pedal</td>
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Download the Product Catalog
Cholangioscopy and Pancreatography Video Atlas
Explore our library of short video clips to help familiarize yourself with the appearance of various pancreatic and biliary findings as seen using cholangioscopy with the SpyGlass DS System. (Internet Required)

Cholangioscopy Image Reference Guide
Become familiar with the appearance of strictures, villous lesions, stone disease, and more using the SpyGlass DS System. (Internet Required)

Visit EndoSuite.com to watch presentations, programs and case studies featuring the SpyGlass™ DS System. (Internet Required)

Keep up to date with the latest resources and information by visiting www.bostonscientific.com/cholangioscopy

Follow us on Twitter
Compared to cytology brushing.

Because the analysis of sensitivity in intrinsic versus extrinsic disease was limited to patients with a final diagnosis of malignancy, no computation of specificity was possible.

Kashab. Optimizing the Diagnosis and Treatment of Pancreatobiliary Disease: Digital Cholangioscopy Using the SpyGlass DS System, G&E News Special Report [April, 2019].

References:


5. Omellas LC et al. Comparison between endoscopic brush cytology performed before and after biliary stricture dilation for cancer detection. 2006 (41)1: 20-23.

6. Draganov et al., Diagnostic accuracy of conventional and cholangioscopy-guided sampling of indeterminate biliary lesions at the time of ERCP: a prospective, long-term follow-up study, GIE, Vol. 75 (2); February 2012.

7. Chen Y et al. Single-operator cholangioscopy in patients requiring evaluation of bile duct disease or therapy of biliary stones (with videos).


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