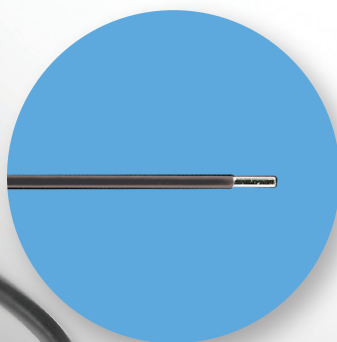


# SlimLine SIS GI™ Laser Fiber and VersaPulse® Holmium Lasers

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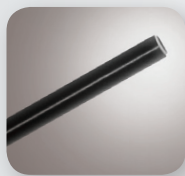
SpyGlass™ DS Direct Visualization System



The SlimLine Smart Identification System (SIS) GI Single-use Laser Fiber is designed and manufactured by Lumenis and is to be used with the VersaPulse family of holmium lasers. The SlimLine Laser Fiber is designed for management of biliary stones and benign and malignant neoplasms.

# Holmium Laser Lithotripsy for Large Stone Management

The Lumenis SlimLine™ SIS GI™ Laser Fiber is designed to manage biliary stones and benign and malignant neoplasms through the SpyScope™ Access and Delivery Catheter. The fiber is designed to allow for negotiation of tough corners to reach the anatomy of interest while maintaining scope position.



## SlimLine SIS GI Single-Use Laser Fiber

<b>Jacket Color</b>	Black
<b>Packaging</b>	3 fibers per box
<b>Length</b>	450cm
<b>Wavelength</b>	Holmium and Nd:YAG (2120 and 1064nm)
<b>Max. Outer Diameter</b>	1.8Fr
<b>Min. Working Channel</b>	2.1Fr
<b>Max. Power</b>	20W
<b>Max. Repetition Rate</b>	At any energy setting, repetition rate should be adjusted so as not to exceed maximum power listed above

## Published Clinical Evidence

Sandeep Patel, DO et al GIE 2009; 69(5): AB142-AB. Abstract S1320

### Results

- ▶ Ductal clearance achieved in all 31 patients with a mean of 1.2 ERCP sessions.
- ▶ 23 of 31 patients required only 1 ERCP session.
- ▶ Procedural time varied from 5-105 minutes ( $\mu = 77.5\text{mm}$ ).
- ▶ No procedure-related complications were recorded.

### Conclusions

- ▶ Peroral single operator-guided Holmium:YAG lithotripsy is a safe and effective procedure in patients with difficult to manage biliary stones.
- ▶ Early utilization of this procedure may spare these patients unnecessary repeated ERCPs and the associated potential morbidity.

## Summary of Results

<b>Total Number of Patients</b>	31
<b>Prior Failed ERCP Attempts</b>	Mean of 1.8 (1-6)
<b>Stone Location</b>	
<b>CBD</b>	23/31 (74.2%)
<b>CHD</b>	6/31 (19.3%)
<b>IHBD</b>	1/31 (3.2%)
<b>Cystic Duct</b>	1/31 (3.2%)
<b>Impacted Stones</b>	18/31 (58%)
<b>Average Intraductal Stone Size</b>	19.3mm (9-30mm)

# VersaPulse® P20 Holmium Laser

The VersaPulse P20 Holmium Laser is designed with convenient features for optimal system reliability, including:

- ▶ **Debris Shield** — An integrated easy-to-change debris shield that protects the system from fiber misalignment or misfire.
- ▶ **Flexible Treatment Settings** — Laser pulse energy and frequency settings can be adjusted for the desired tissue effect.
- ▶ **Enhanced Visibility — Green Aiming Beam.** The VersaPulse P20 laser provides good visibility in the surgical field because the green aiming beam is easy to see against the vascular tissue surface and operating environment.
- ▶ **Compact Size — Optimal Power.** Designed to fit in many existing video carts or on a desktop, this system provides mobility as well as the proven performance of the VersaPulse family of products.

## VersaPulse P20 Holmium Laser

<b>Laser Type</b>	Holmium
<b>Laser Wavelength</b>	2.1 micron
<b>Repetition Rate</b>	5-15 Hz
<b>Energy Per Pulse</b>	0.5 -2.5 J
<b>Electrical</b>	100-230 V, 50/60 Hz, 14A (100-110V), 7A (200-230V), single phase
<b>Dimensions (W x L x H)</b>	20 x 22.5 x 12.7in / 51.5 x 57 x 32.2cm
<b>Aiming Beam</b>	1mW @ 532nm, Green, constant and blinking modes
<b>Weight</b>	88lbs (40kg)
<b>Pulse Duration</b>	Up to 500 micro seconds

## Ordering Information

Order Number	Product Description	Units
0644-007-01	1.8Fr SlimLine GITM Probe	Box of 3
GA-0006000	VersaPulse P20 Holmium Laser*	Each

\*Includes generator, footswitch, fiber inspection scope, two laser safety glasses, one laser safety goggles, one remote interlock connector and one power cable.

All trademarks are the property of their respective owners.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician

**Ordering Information**  
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877-586-3647  
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