

HOLA[®] - Hysteroscopic Outpatient Laser Application

About one third of all women aged 30 and over is affected by myomas. The gentle and above all uterine preserving treatment of myomas is especially important for women who wish to have children.

Myomas can be enucleated quickly and gently with the MyoFiber[®] glass fibers in a variety of designs. The use of standard diagnostic hysteroscopes with small diameter allows direct treatment during diagnosis. The laser energy avoids contraction of the uterine muscles and can therefore be used without or under minimal local anesthesia. The extremely gentle intervention with continuous irrigation with saline solution ensures a quick return to normal activities.

Advantages

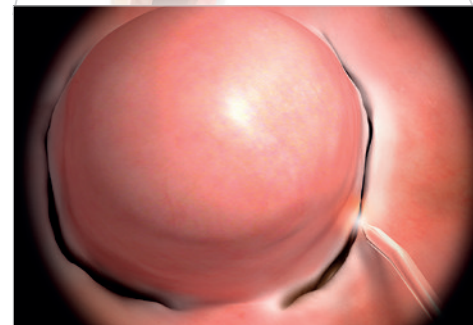
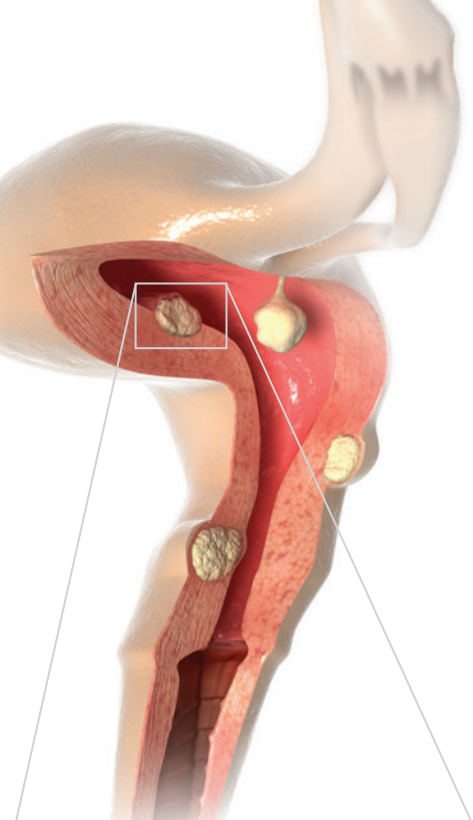
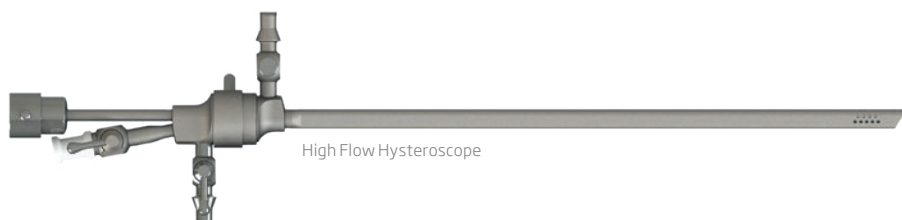
- Safe working in saline solution
- Outpatient possible without anesthesia
- Use of standard instruments
- Almost painless for patients

Applications

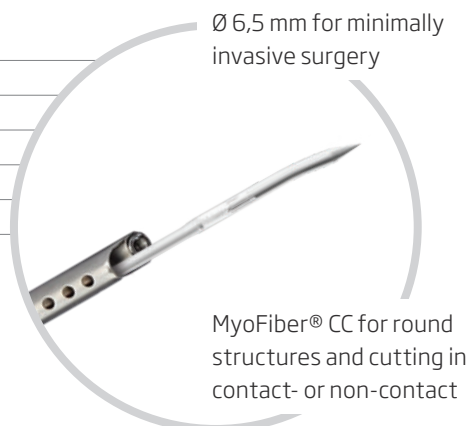
- Myoma
- Polyp
- Septum
- Isthmocele

Instruments and fibers

REF	Product
400500300	Hysteroscope SET working channel 5Fr. continuous flow for optics 30°, 300 mm
400500130	ASAP Hysteroscope optics HD, 2.9mm, 30°, 300 mm
503200775	MyoFiber [®] CS, IC
503200760	MyoFiber [®] CC, IC
503200770	MyoFiber [®] CA, IC



Enucleation of a myoma with MyoFiber[®] CC



ELLA[®] - Endometriosis Laparoscopic Laser Application

Endometriosis is one of the main causes in women with abdominal pain and of unfulfilled desire to have children. In women with symptoms, the primary goal is the laparoscopic removal of endometriosis lesions. Laser energy, delivered via the glass fiber optic, is used to precisely remove endometriosis lesions. Especially the resection of ovarian cysts is particularly gentle. First results of a study confirm the rapid recovery of the AMH value and the significant maintenance of the ovarian reserve*.

Advantages

- Working in non-contact or contact with tactile feedback
- Defined penetration depth without impact on surrounding tissue
- Preservation of ovarian reserve and fertility
- Excellent hemostasis
- Reduced scarring and avoidance of adhesions

Applications

- Peritoneal Endometriosis
- Ovarian Endometriosis
- Adhesiolyses
- Salpingectomy
- Cysts
- Twin-to-twin Syndrome TTTS



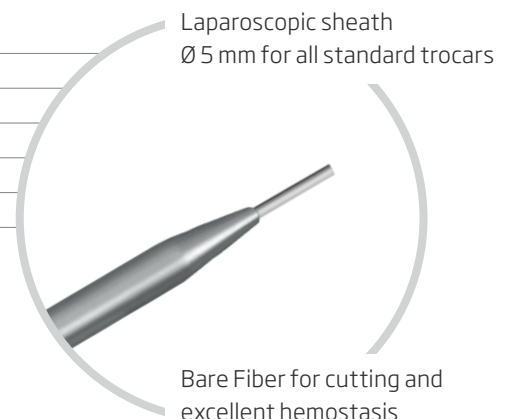
Endometriosis, ovarian cyst

Instruments and fibers

REF	Product
400400110	Laparoscopic sheath 30 cm
400400115	Laparoscopic sheath 40 cm
503200745	Bare Fiber 600 µm, Flat Tip, IC
503200750	Bare Fiber 600 µm, Ball Tip, Adj. Luer, IC
503300415	Bare Fiber 1000 µm Flat Tip, Adj. Luer, IC



Laparoscopic sheath



* Study in process

Minimally-invasive surgery

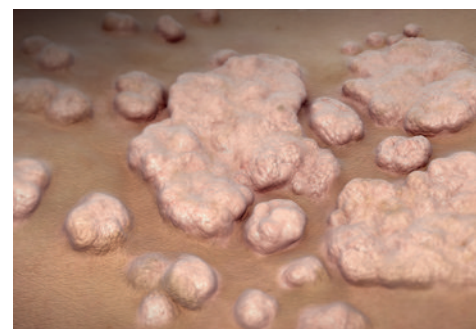
Laser surgery is also excellently suited for the treatment of condylomas or dysplasia in the areas of vulva, vagina and cervix. During conization, laser energy, delivered via the glass fiber optic, replaces the scalpel with the added benefit of excellent hemostasis. The defined penetration depth of the laser energy is less invasive, leading to fewer complications and a quick recovery of the patients.

Advantages

- Precise cutting and coagulation
- Short rehabilitation time
- Optimal protection of surrounding tissue
- Almost blood-free procedure

Applications

- Condyloma
- Conization
- Dysplasia



Condylomata acuminata

Instruments and fibers

REF	Product
400100100	Universal Dual Luer Handpiece
AB2594	Biopsy Needle
503200745	Bare Fiber 600 µm, Flat Tip, IC
503200750	Bare Fiber 600 µm, Ball Tip, Adj. Luer, IC
503300415	Bare Fiber 1000 µm Flat Tip, Adj. Luer, IC
503200970	LOMA Focus Handpiece



Universal Dual Luer Handpiece



LOMA Focus Handpiece

LEONARDO®

One device for multiple applications
in Gynecology



LEONARDO® DUAL 45
universal & ingenious

LEONARDO® Mini
basic & specialist



LEONARDO® DUAL 200
versatile & powerful



LEONARDO®

LEONARDO® DUAL 45

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR INDIRECT RADIATION

CLASS 4 LASER PRODUCT
Diode-Laser 980 +/- 30 nm CW 30 W (Max.)
Diode-Laser 1470 +/- 30 nm CW 15 W (Max.)
EN 60825-1:2008 EN 60601-2-22:2007

VISIBLE LASER RADIATION
AVOID EYE EXPOSURE TO DIRECT RADIATION

CLASS 3R LASER PRODUCT
Diode-Laser 635 +/- 10 nm CW 4 mW (Max.) (Aiming)
Diode-Laser 532 +/- 10 nm CW 1 mW (Max.) (Aiming)
EN 60825-1:2008 EN 60601-2-22:2007

LEONARDO® DUAL 200

INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR INDIRECT RADIATION

CLASS 4 LASER PRODUCT
Diode-Laser 980 +/- 30 nm CW 160 W (Max.)
Diode-Laser 1470 +/- 30 nm CW 40 W (Max.)
EN 60825-1:2007 IEC 60601-2-22:2007

VISIBLE LASER RADIATION
AVOID EYE EXPOSURE TO DIRECT RADIATION

CLASS 3R LASER PRODUCT
Diode-Laser 635 +/- 10 nm CW 4 mW (Max.) (Aiming)
Diode-Laser 532 +/- 10 nm CW 1 mW (Max.) (Aiming)
EN 60825-1:2007 IEC 60601-2-22:2007



CE 1984

CeramOptec GmbH
Siemensstr. 44, D-53123 Bonn

Model	LEONARDO® Mini Dual	LEONARDO® DUAL 45	LEONARDO® DUAL 200
REF	SL980 + 1470 nm 14 W	SL980 + 1470 nm 45 W	SL980 + 1470 nm 200 W
Wavelength	980 nm and 1470 nm	980 nm and 1470 nm	980 nm and 1470 nm
Power	10 W (980 nm) / 4 W (1470 nm)	45 Watt (1470 nm / 15 Watt + 980 nm / 30 Watt), separately adjustable	200 Watt (1470 nm / 40 Watt + 980 nm / 160 Watt) separately adjustable
Fiber diameter	≥ 360 µm	≥ 360 µm	≥ 360 µm
Aiming beam	635 nm, max. 4 mW	532 nm and 635 nm, green 1 mW, red 4 mW, user controlled intensity	532 nm and 635 nm, green 1 mW, red 4 mW, user controlled intensity
Treatment mode	CW, Pulse Mode (optional)	CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment, Derma Mode	CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment, Derma Mode
Pulse duration /-break	0.01 – 60 sec / 0.01 – 60 sec	0.01 – CW / 0.01 – 60 sec	0.01 – CW / 0.01 – 60 sec
Power supply	110 – 240 VAC, 50 – 60 Hz (7.2 VDC @ 36 W)	110 – 240 VAC, 50 / 60 Hz, 450 VA	110 – 240 VAC, 50 / 60 Hz, 850 VA
Batteries	Li-ion batteries	–	–
Dimensions (H x W x D)	6.0 cm x 9.0 cm x 21.5 cm	approx. 28 cm x 37 cm x 9 cm	approx. 20 cm x 37 cm x 26 cm
Weight	900 g	approx. 8.5 kg	approx. 15 kg

All laser sets incl. 3 safety goggles, foot switch, interlock connector, power cord and manual in a carrying case.