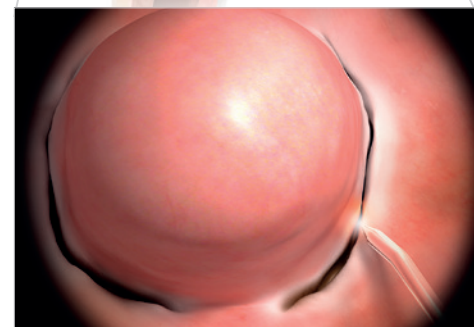
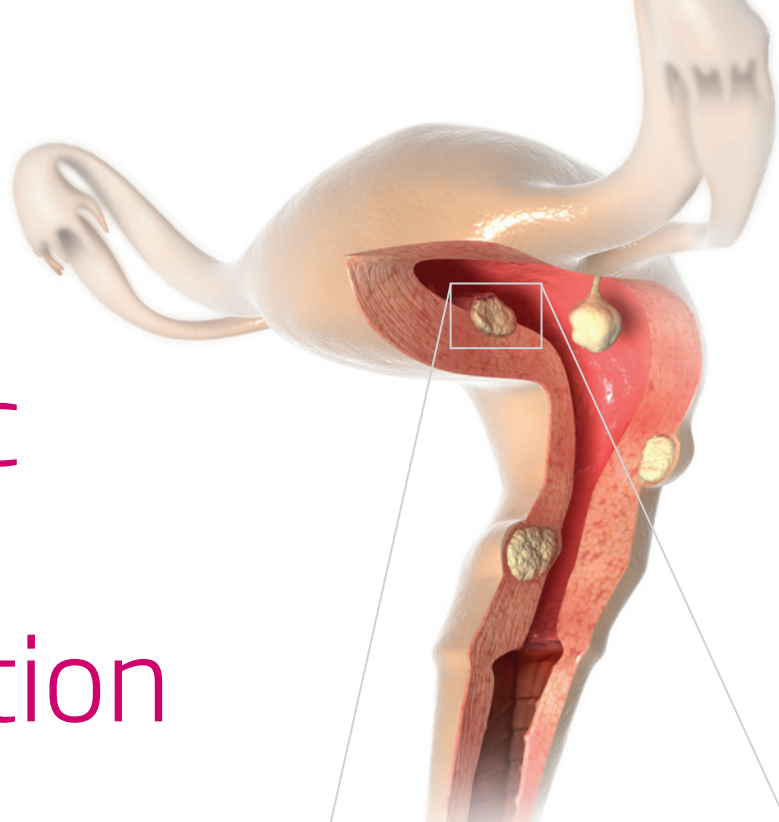


HOLA® - Hysteroscopic Outpatient Laser Application

About one third of all women aged 30 and over is affected by myomas. The gentle and above all uterine preserving treatment of polyps and myomas is especially important for women who wish to have children. Polyps and 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. In addition, in the treatment of the uterine septum, the laser may be a more conservative technique that can maintain the muscular integrity of the uterus without weakening the myometrium. This can be a great advantage in women who wish to have children after surgical treatment.



Enucleation of a myoma with MyoFiber® CC

Advantages

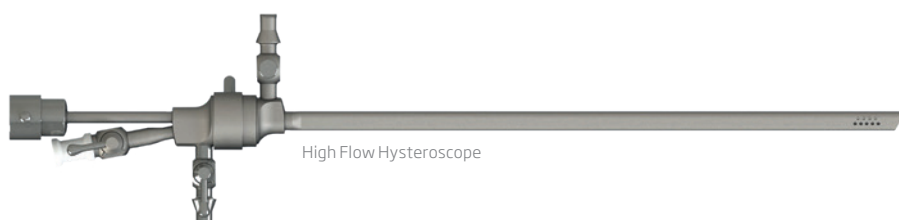
- Safe working in saline solution
- Outpatient possible without anesthesia
- Use of standard instruments
- Almost painless for patients

Applications

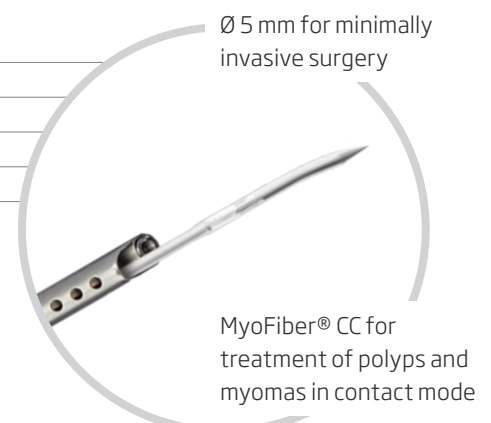
- Polyp
- Myoma
- Septum
- Isthmocele

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
503200760	MyoFiber® CC, IC
503200770	MyoFiber® CA, IC



High Flow Hysteroscope



Ø 5 mm for minimally
invasive surgery

MyoFiber® CC for
treatment of polyps and
myomas in contact mode

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

- Deep Infiltrating Endometriosis
- Ovarian Endometriomas
- Adhesiolyses
- Salpingectomy
- Ovarian Cysts
- Twin-to-twin Syndrome TTTS



Endometriosis, ovarian cyst

Instruments and fibers

REF	Product
400400110	Laparoscopic sheath 30 cm
400400115	Laparoscopic sheath 40 cm
503200600	ELLA® Click Fiber, IC
503200775	MyoFiber® CS, IC



ELLA® Click Fiber and Laparoscopic sheath

Get
maximum
security with
ELLA® Click
Fiber

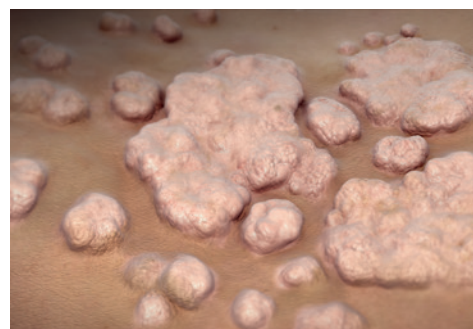
Laparoscopic sheath
Ø 5 mm for all standard trocars



ELLA® Click Fiber
for vaporization and
excellent hemostasis

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 these treatments, laser energy, delivered via the glass fiber optic, replaces the scalpel with the added benefit of excellent vaporization and hemostasis. The defined penetration depth of the laser energy is less invasive, leading to fewer complications and a quick recovery of the patients.



Condylomata acuminata

Advantages

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

Applications

- Condyloma
- Cervical Ectropion
- Vulvar and Cervical Dysplasia

Instruments and fibers

REF	Product
400100100	UNIVERSAL DUAL LUER HANDPIECE for Myofiber CS
503200775	Myofiber CS, IC
AB2594	Biopsy Needle
503200970	LOMA Focus Handpiece



Universal Dual Luer Handpiece



LOMA Focus Handpiece

LEONARDO®

One device for multiple applications
in Gynecology

LEONARDO® DUAL 45
The complete solution
for gynecology and more



LEONARDO® Mini
For hysteroscopy
and condylomas

LEONARDO®

LEONARDO® DUAL 45

VISIBLE 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 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 60825-1:2008 IEC 60601-2-22:2007

LEONARDO® Mini Dual

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

CLASS 4 LASER PRODUCT
Diode-Laser 980 +/- 30 nm CW 13 W (Max.)
Diode-Laser 1470 +/- 30 nm CW 4 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)
SEC 60825-1:2007 IEC 60601-2-22:2007



CE 1984

CeramOptec GmbH
Siemensstr. 44, D-53123 Bonn

Model	LEONARDO® Mini Dual	LEONARDO® DUAL 45
REF	SL980 + 1470 nm 16 W	SL980 + 1470 nm 45 W
Wavelength	980 nm and 1470 nm	980 nm and 1470 nm
Power	11 W (980 nm) / 5 W (1470 nm)	45 Watt (1470 nm / 15 Watt + 980 nm / 30 Watt), separately adjustable
Fiber diameter	≥ 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
Treatment mode	CW, Pulse Mode (optional)	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
Power supply	110 – 240 VAC, 50 – 60 Hz (12 VDC Max 65 VA)	110 – 240 VAC, 50 / 60 Hz, 450 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
Weight	900 g	approx. 8.5 kg

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