HOLA
Minimally invasive laser therapy in Gynecology

- Excellent hemostasis
- Outpatient procedure
- No or minimal anesthesia
About one-third of all women above the age of 30 are affected by myomas. Careful treatment of myomas, which particularly preserves the uterus, is especially for women who want to have children of great importance.

Under the concept of HOLA we at biolitec® offer numerous treatment options in gynecology. HOLA means that using standard diagnostic hysteroscopes in combination with our state-of-the-art and low maintenance LEONARDO® diode lasers with our specially designed fibers, polyps, myomas and other lesions can be treated amongst others as in-office procedures.

The laser energy avoids contracting the muscle tissues and can be used with or without minimal local anesthesia.

Depending on the indication and location of the treated tissue the appropriate fiber is selected. The enucleation in contact mode allows precise control of the laser energy and therefore controlled cutting. The parallel coagulation ensures no bleeding.

Continuous irrigation during the entire procedure allows the safe use of laser energy with constantly good visibility. The tissue-conserving laser treatment helps to avoid hysterectomies and is therefore the first choice of treatment method for many gynecologists in order to maintain fertility.
Why?

Safe
- Safer saline environment
- Contact use for tactile feedback
- Good visibility
- Rare complications

Effective
- Fast procedure
- High success rate in outpatient settings
- Excellent hemostasis
- Lower cost compared to surgery

Easy and versatile
- Minimally invasive procedure easy to perform
- Versatility using your standard instrumentarium
- Do more in your consulting room saving time and cost for OR

Patient friendly
- No or local anesthesia requirements
- Virtually pain free for the patient
- Quick return to normal life
- Gentle intervention significantly increases the preservation of fertility

Applications

Hysteroscopic and laparoscopic surgeries
- Myomas
- Polyps
- Endometriosis
- Adhesions
- Septum
- Condylomas
- Salpingectomie
- Isthmocele
- Diverse minimally invasive gentle laser surgery
Enucleation of a myoma with MyoFiber CC

Handpieces and instruments

<table>
<thead>
<tr>
<th>REF</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>400500200</td>
<td>High Flow Hysteroscope ID 5 Fr. for optics 2 mm, 30°, 260 mm</td>
</tr>
<tr>
<td>400500120</td>
<td>ASAP Hysteroscope optics HD, 2 mm, 30°, 260 mm for High Flow Hysteroscope</td>
</tr>
<tr>
<td>400100100</td>
<td>Universal Dual Luer Handpiece</td>
</tr>
<tr>
<td>400400110</td>
<td>Laparoscopic sheath 30 cm</td>
</tr>
<tr>
<td>400400115</td>
<td>Laparoscopic sheath 40 cm</td>
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</tbody>
</table>

Fibers

<table>
<thead>
<tr>
<th>REF</th>
<th>Product</th>
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<tbody>
<tr>
<td>503200775</td>
<td>MyoFiber CS, IC</td>
</tr>
<tr>
<td>503200760</td>
<td>MyoFiber CC, IC</td>
</tr>
<tr>
<td>503200770</td>
<td>MyoFiber CA, IC</td>
</tr>
<tr>
<td>503200740</td>
<td>Bare Fiber 600 μm, Flat Tip, IC</td>
</tr>
<tr>
<td>503200750</td>
<td>Bare Fiber 600 μm, Ball Tip, Adj. Luer, IC (1 × 6 h)</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>REF</th>
<th>Product</th>
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<tbody>
<tr>
<td>AB1908</td>
<td>Touhy Borst Adapter</td>
</tr>
<tr>
<td>AB2594</td>
<td>Biopsy Needle</td>
</tr>
</tbody>
</table>
LEONARDO®

The most versatile device for office procedures in Gynecology

LEONARDO® DUAL 45
universal & ingenious

LEONARDO® DUAL 200
versatile & powerful

LEONARDO® Mini
basic & specialist

<table>
<thead>
<tr>
<th>Model</th>
<th>LEONARDO® Mini Dual</th>
<th>LEONARDO® DUAL 45</th>
<th>LEONARDO® DUAL 200</th>
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</thead>
<tbody>
<tr>
<td>REF</td>
<td>SL.980+1470nm14W</td>
<td>SL.980+1470nm45W</td>
<td>SL.980+1470nm200W</td>
</tr>
<tr>
<td>Wavelength</td>
<td>980 nm and 1470 nm</td>
<td>980 nm and 1470 nm</td>
<td>980 nm and 1470 nm</td>
</tr>
<tr>
<td>Power</td>
<td>10 W (980 nm) / 4 W (1470 nm)</td>
<td>45 Watt (1470 nm/15 Watt + 980 nm/30 Watt), separately adjustable</td>
<td>200 Watt (1470 nm/40 Watt + 980 nm/160 Watt), separately adjustable</td>
</tr>
<tr>
<td>Fiber diameter</td>
<td>≥ 360 μm</td>
<td>≥ 360 μm</td>
<td>≥ 360 μm</td>
</tr>
<tr>
<td>Aiming beam</td>
<td>635 nm, max. 4 mW</td>
<td>532 nm and 635 nm, green 1 mW, red 4 mW, user controlled intensity</td>
<td>532 nm and 635 nm, green 1 mW, red 4 mW, user controlled intensity</td>
</tr>
<tr>
<td>Treatment mode</td>
<td>CW, Pulse Mode (optional)</td>
<td>CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment, Derma Mode</td>
<td>CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment, Derma Mode</td>
</tr>
<tr>
<td>Pulse duration / break</td>
<td>0.01 – 60 Sek. / 0.01 – 60 Sek.</td>
<td>0.01 – CW / 0.01 – 60 Sek.</td>
<td>0.01 – CW / 0.01 – 60 Sek.</td>
</tr>
<tr>
<td>Power supply</td>
<td>110 - 240 VAC, 50 - 60 Hz (7.2 VDC @ 36 W)</td>
<td>110 - 240 VAC, 50 / 60 Hz, 450 VA</td>
<td>110 - 240 VAC, 50 / 60 Hz, 850 VA</td>
</tr>
<tr>
<td>Batteries</td>
<td>Li-Ion Batterien</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Dimensions (H × W × D)</td>
<td>6.0 cm × 9.0 cm × 21.5 cm</td>
<td>approx. 28 cm × 37 cm × 9 cm</td>
<td>approx. 20 cm × 37 cm × 26 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>900 g</td>
<td>approx. 8.5 kg</td>
<td>approx. 15 kg</td>
</tr>
</tbody>
</table>

All laser sets incl. 3 safety goggles, foot switch, interlock connector, power cord and manual in a carrying case.
Contact us to learn more about a whole new world of minimally invasive laser therapies.

Venous diseases
Hemorrhoids and fistulas
Wide spectrum of ENT diseases
BPH and urological tumors
Uterine tumors
Cervical and lumbar disc herniation
Lung metastases and bronchial tumors

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