

Minimally invasive laser therapies of biolitec® applicable in BPH and many other indications in urology

Precise and residue-free tissue removal in BPH with LIFE laser therapy – Enlarged contact area and special coating of the TWISTER and XCAVATOR® laser fibers – Bare fibers of biolitec® with excellent results in many other areas of urology – Optimum absorption in hemoglobin and water by the LEONARDO® DUAL 200 diode laser device – Treatment of high-risk patients can also be performed without general anesthesia

Jena, 08th September 2020 – In addition to the LIFE minimally invasive laser therapy for Benign Prostate Hyperplasia, which has been proven for years, the versatile and variable laser systems of biolitec® can also be used in many other areas of urology. Both the unique LEONARDO® laser devices and the specially developed laser fibers, which can be combined with all laser devices, offer excellent separation and coagulation properties while protecting surrounding tissue.

The minimally invasive biolitec® **LIFE** laser treatment for BPH offers urologists the possibility of ablating the tissue of the urinary canal of the prostate from the inside with extreme precision and without leaving any residue. In addition, the TWISTER and XCAVATOR® laser fibers, which were specially developed for prostate treatment, enable a particularly accurate and tissue-friendly treatment.

Thanks to the enlarged contact area and the special coating of **TWISTER** and **XCAVATOR®** at the fiber tip, very fast ablation is guaranteed in addition to maximized precision. In addition, the contact mode of the fibers minimizes the coagulation zone to less than 1 mm, thus protecting the bladder and surrounding tissue. The probability of complications and aftereffects such as retrograde ejaculation, incontinence and sexual dysfunction is also minimized.

The biolitec® laser systems are also used in **many other areas of urology**. In partial kidney resections, renal pelvic tumors and strictures, the cutting and coagulation properties of the technically mature biolitec® laser fiber **bare fiber** with different fiber diameters and fiber tips result in only minimal bleeding, effective tissue coagulation, hemostasis and extremely low parenchymal damage. The bare fibers of biolitec® can even be used for the **external treatment** of condylomas.

The possibility of combining the two wavelengths 980 nm and 1470 nm of the biolitec® diode laser device **LEONARDO® DUAL 200** ensures optimal absorption in water and hemoglobin. In addition to the special fiber

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properties, this leads to excellent cutting and coagulation properties with maximum protection of surrounding tissue.

As the minimally invasive laser therapies of biolitec® can be performed under spinal anesthesia, it is possible to treat **high-risk patients** by taking antiplatelets or anticoagulants for whom surgery under general anesthesia would not be possible for health reasons.

About the company:

biolitec® is one of the world's leading medical technology companies in the field of minimally invasive laser applications and is offering in the field of photodynamic therapy (PDT) the laser-assisted treatment of cancer with the drug Foscan®, registered in the EU. Since 1999, biolitec® is focused on the development of minimally invasive, gentle laser procedures. The unique **LEONARDO® diode laser** from biolitec® is the first universally applicable medical laser with a combination of two wavelengths, 980 nm and 1470 nm, which can be used in all disciplines. ELVeS® Radial® (ELVeS® = Endo Laser Vein System) is the world's most common laser system for treating venous insufficiency. In proctology, biolitec® offers a maximum sphincter-sparing therapy for anal fistulas as well as treatment options for hemorrhoids and pilonidal cysts. In urology, the range of therapies has expanded from benign prostate hyperplasia (BPH) to bladder and prostate tumors. The LEONARDO® Mini laser, which weighs only 900 g, has been specially developed for mobile applications. Gentle laser applications in the fields of gynecology, ENT, thoracic surgery and pneumology, esthetics, and orthopedics are also part of biolitec®'s business field. Further information is available at www.biolitec.com.

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