

PRESS RELEASE



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biolitec®: High-tech laser fiber XCAVATOR™ provides the fastest tissue ablation in BPH laser treatments

High-tech laser fiber XCAVATOR™ successfully developed – prostate tissue is removed up to 30 percent faster – team of doctors surrounding head physician Dr. Kempkensteffen and senior physician Dr. Rüffert from the Franziskus hospital Berlin test laser therapy with positive results – operating time significantly reduced

Jena, March 8, 2017 – biolitec® has significantly further developed its XCAVATOR™ laser fiber for the treatment of benign prostatic hyperplasia (BPH). The laser fiber now possesses rounded edges, making it possible to distribute the laser energy even more consistently. In doing so, more contact with the tissue is generated, the tissue ablation is significantly higher and operating time is significantly shorter.

The new XCAVATOR™ laser fiber makes it possible to remove tissue on the prostate at a rate of 3 to 4 grams per minute. This is an average increase of up to 30 percent. The new design of the fiber optics can turn better thanks to the rounded edges and slides back and forward along the tissue more easily. The fiber plug was not changed, so the new fiber can fit in the connector for the LEONARDO® laser equipment.

The new XCAVATOR™ laser fibre was successfully tested at the Franziskus hospital Berlin, specifically the Training, Reference and Workshop Centre of biolitec®. The team surrounding chief physician Dr. Kempkensteffen and senior physician Dr. Rüffert carried out operations with the new fibre for three months. The results were positive throughout.

Risk patients can also be treated with the LIFE™ laser therapy with local anaesthetic. The patient therefore benefits from the sparing anaesthetic procedure because less stress is placed on the cardiovascular system. For BPH laser therapy the laser energy is transported to the tissue to be treated in a targeted way by the special XCAVATOR® fiber from biolitec®, where it is very accurately vaporised by the energy emitted.

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The ablation of the prostate tissue has once again been significantly shortened and in many cases is completed after 10 to 20 minutes. Wound surfaces are sealed so well with the laser that the patient can often be on their feet again on the same day or the day after. Impotence and incontinence can be avoided in most cases.

biolitec® uses its specially developed LEONARDO® laser with 980 nm and 1470 nm wavelengths, which are particularly well-suited for fast and almost painless treatment of BPH, for its LIFE™ laser therapy for the treatment of prostate diseases. In-patient treatment with the LEONARDO® laser in public clinics will be provided by statutory health insurance funds in Germany

The XCAVATOR™, together with the TWISTER™, is a contact laser with glass tip which is used in the minimally invasive laser therapy LIFE™ from biolitec® for the treatment of benign prostatic hyperplasia. The XCAVATOR™ fibres were developed for a safe and efficient vaporisation, coagulation and resection of tissue.

Specialist doctors can find more information about the innovative laser therapies from biolitec® at www.biolitec.de. Patients can find more information at www.infoprostata.de or using the information hotline 01805/010276.

About the company:

biolitec® is one of the world's leading medical technology companies in the field of laser applications and the only provider which possesses all the relevant core competences in the field of photodynamic therapy (PDT) - photosensitizers, lasers and fibre optic cables. Besides laser-supported treatment of cancers with the drug Foscan®, biolitec® researches and markets above all minimally invasive, gentle laser procedures. ELVeS Radial (Endo Laser Vein System) is the world's most-used laser system to treat venous insufficiency. The innovative contact fibre XCAVATOR® in conjunction with the LEONARDO® Dual 200 Watt laser allows a gentle treatment of e.g. benign prostate enlargement (BPH) in urology. The LEONARDO® diode laser from biolitec® is the first universally applicable medical laser which has a combination of two wavelengths, 980nm and 1470nm, and which can be used across disciplines. Gentle laser applications in the fields of proctology, ENT, gynaecology, thorax surgery and pneumology are also part of biolitec's® field of business. More information available at www.biolitec.de.

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