

## **biolitec presents new laser therapies for bladder cancer and veterinary medicine at the MEDICA 2022**

**biolitec presents new products and therapies at MEDICA 2022 at booth H46 in hall 10 – Innovative TULA laser procedure for bladder tumors delivers equivalent results to the gold standard in current study – biolitec laser therapies now also available for dogs, cats, horses and co. – Almost all laser interventions in ENT possible with the new LEONARDO Mini Dual 16 Watt – Brand new LaEvita laser procedure effective against vaginal atrophy and mild stress incontinence**

Jena, November 08, 2022 - Every year, companies from all over the world present their medical technology products at the MEDICA in Düsseldorf. But this year it will be especially exciting at booth H46 in hall 10, because there the laser pioneer biolitec will give insight into its latest innovations and therapies. And there are quite a few of them in 2022: The innovative TULA laser therapy, which recently delivered excellent study results, a new laser and even a completely new field of application, because biolitec's minimally invasive laser therapies are now also used in veterinary medicine.

Just a few weeks ago, the TULA laser procedure (Trans-Urethral Laser Ablation) for the removal of bladder tumors was able to shine in a prospective randomized non-inferiority study. For the Danish research team led by Gyrithe Lynghøj Pedersen, this shows that the laser procedure is on a par with the gold standard TUR-B (transurethral resection of the bladder) using an electric snare. The researchers particularly emphasize the advantage that no general anesthesia is required for removal by laser, making the outpatient procedure even gentler for the patient.<sup>1</sup> The excellent results and the practical aspects, such as excellent hemostasis even in patients on blood-thinning medication and the fact that the procedure can be used several times, have convinced renowned urologists in Germany and abroad. The TULA fiber is used as well as the handy LEONARDO Mini Dual diode laser, which is available for the first time this year with 16 watts.

16 watts of power now make the low-cost laser even more attractive for other disciplines as well: For example, in ENT, almost every common laser procedure can now be performed with just a single device - and from now on, not just for humans. The LEONARDO Mini DUAL is also ideal for laser treatments on small animals such as dogs and cats. As a result, procedures such as shortening an excessively long soft palate can now also be performed particularly gently using lasers. biolitec's innovative laser systems are also suitable for larger animals. With the LEONARDO DUAL 45 or the LEONARDO DUAL 100, for example, diseases such as unilateral laryngeal paralysis in horses can be treated very well.<sup>2</sup> Furthermore, laser treatments can also be used in numerous other veterinary fields such as urology and gynecology.

In the field of (human) gynecology, biolitec has developed the LaEvita handpieces in small, medium and large. These are the appropriate tools for vaginal application in women with vaginal atrophy or mild stress urinary incontinence. LaEvita laser therapy, unlike other laser procedures in this area, is

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a treatment that does not involve ablation or tissue destruction, but simply irradiates the area with the gentle laser light of the LEONARDO Mini Dual or LEONARDO DUAL 45. This stimulates collagen production. Vaginal elasticity and hydration are restored, and vascularization of the vaginal mucosa is improved.

In addition, there are not only new lasers and handpieces, but also new laser fibers. For the treatment of varicose veins, biolitec has now developed the ELVeS Radial 2ring Swift, a fiber that can be used to treat not only the truncal veins but also their lateral veins and perforating veins. This means that complicated vein courses can be treated without changing fibers.

You want to get to know even more innovations of biolitec? Visit biolitec at booth H46 in hall 10 and at [www.biolitec-fair.com](http://www.biolitec-fair.com) and discover the latest studies, videos and information for your field!

<sup>1</sup>Outpatient Photodynamic Diagnosis–guided Laser Destruction of Bladder Tumors Is as Good as Conventional Inpatient Photodynamic Diagnosis–guided Transurethral Tumor Resection in Patients with Recurrent Intermediate-risk Low-grade Ta Bladder Tumors. A Prospective Randomized Noninferiority Clinical Trial\_Gyrithe Lynghøj Pedersen et al September 2022: <https://doi.org/10.1016/j.eururo.2022.08.012> .

<sup>2</sup>Application report on the Leonardo Dual 100 diode laser device in equine upper airway surgery, Dr. Aleksandar Vidović, FTA for Surgery, FTA for Horses, June 2022. (Available at: <https://www.biolitec.de/anwendungen/abstracts/veterinaermedizin.html> )

## **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 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](http://www.biolitec.com).

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