

# PRESS INFORMATION



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## **Varicose veins: Vein weakness does not only affect legs**

**Varicose veins not only in the legs – Vein weakness possible in the area of the whole body – Various causes – With new minimally invasive laser therapy for varicose veins ELVeS® Radial® 2ring particularly gentle and with low side effects**

Jena, 03rd May 2018 – When it comes to varicose veins, most people think of dilated veins in the legs. Very few people know that insufficient veins can also occur in other parts of the body. For example, circulatory disorders of the liver (e.g. liver cirrhosis) can lead to congestion of the blood. In such a case, the body develops new ways of blood transport to bypass the disturbed site. Typical routes for these bypass circuits are the veins of the oesophagus, deep and superficial veins of the abdominal and chest walls, and veins of the rectum. Bleeding from these varices can be life-threatening. Due to unfavourable vein progressions, varicose veins can also occur in the area of the pelvis, uterus, ovaries and testicles (varicocele).

Up to 40% of women and 20% of men suffer from symptoms such as tired, heavy legs, swellings and veins that protrude from the skin. Experts estimate that there are more than 22 million people affected in Germany (Rabe et al., Bonn Venous Study of the DGP, Phlebologie 1, 2003).

Varicose veins in the legs can be treated very well with laser methods, in addition to the conventional therapy methods of compression therapy, vein stripping, foam sclerotherapy and radiofrequency methods. Thus not only the larger veins (Vena Saphena Magna, Vena Saphena Parva), but also smaller side branches (spider veins) and perforating veins can be gently removed with the special laser therapy **ELVeS® Radial® 2ring of biolitec®** with few side effects.

With the **ELVeS® Radial® method**, the varicose vein is closed from the inside by means of a laser through the two-phase annular radiation of the special fiber, without attacking the surrounding healthy tissue. After the treatment, which usually lasts only 30 to 40 minutes, the patients are quickly back on their feet and can return to their usual activities.

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Patients can find further information on the gentle laser therapy of biolitec® on the website [www.info-varicose-veins.com](http://www.info-varicose-veins.com).

## **To the company:**

biolitec® is one of the world's leading medical technology companies in the field of laser applications and the only provider with all relevant core competencies – photosensitizers, lasers and fiber optics – in the field of photodynamic therapy (PDT). In addition to the laser-assisted treatment of cancer with the drug Foscan®, biolitec® researches and markets minimally invasive, gentle laser procedures. ELVeS® Radial® (Endo Laser Vein System) is the world's most widely used laser system for treating venous insufficiency. The new 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. The innovative XCAVATOR® contact fiber in conjunction with the LEONARDO® DUAL 200 Watt laser in urology enables gentle treatment of benign prostate hyperplasia (BPH), for example. The LEONARDO® Mini laser, which weighs only 900 g, has been specially developed for mobile applications. Gentle laser applications in the fields of proctology, ENT, gynecology, thoracic surgery and pneumology are also part of biolitec®'s business field. Further information is available at [www.biolitec.com](http://www.biolitec.com).

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