

# PRESS INFORMATION



**biolitec biomedical  
technology GmbH**  
Otto-Schott-Straße 15  
07745 Jena  
[www.biolitec.de](http://www.biolitec.de)

## **Cancer prevention in gynecology with new LEONARDO® laser by biolitec®**

**Team of Italian surgeons of the Universities of Cagliari and Foggia are the first worldwide to use diode laser LEONARDO® for minimally invasive removal of fallopian tubes – New technology allows for quick recovery while preserving the production of female sex hormones**

Jena, September 16, 2014 – In a recent case study published in the specialist journal Gynecologic Oncology Reports, Italian medicals report the first successful prophylactic removal of fallopian tubes via laparoscopy and the innovative LEONARDO® diode laser by biolitec®.

Amongst gynecologists, the removal of both fallopian tubes is currently considered to be the most effective method to prevent ovarian cancer while preserving the production of sex hormones. This method is a sensible option especially for women between the age of 35 and 40 respectively who no longer wish for a child and have a high cancer risk. Up to now, the conventional excision of fallopian tubes is a complex procedure and not without complications.

With its precision the LEONARDO® laser makes it possible to remove the fallopian tube with a small endoscopic incision at the navel.

The intervention by the Italian surgical team was carried out highly precisely, gently and took 40 minutes. As the invisible laser light is coupled with visible red light, the surgeon is able to carry out all necessary steps with utmost precision and to close open vessels by heat without the need for changing instruments.

Complications during or after surgery had not been noticed. The patient received pain medication not until 6 hours after surgery and could leave the clinic one day after the intervention.

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Dr. Luigi Nappi, head of the medical team: "A prophylactic removal of the fallopian tubes is important for women with a certain genetic disposition to prevent cancer from developing in the first place. In the future minimally invasive interventions with the LEONARDO<sup>®</sup> laser shall lead to a quicker recovery after surgery for women with the respective diagnosis. A welcome side effect is that the incision of no more than 2 cm to insert the endoscope and laser into the abdomen heals quickly and is nearly invisible."

**About biolitec<sup>®</sup>:**

biolitec AG is one of the leading companies worldwide in the field of medical laser treatments and the only provider that possesses all relevant core competencies – photosensitizers, laser devices and optical fibers – in the field of photodynamic therapy (PDT). Besides laser-based treatment of cancer with the drug Foscan<sup>®</sup>, biolitec AG primarily researches on minimally-invasive and gentle laser treatments and markets them. ELVeS Radial<sup>™</sup> (Endo Laser Vein System) is the most often used laser system worldwide for the treatment of varicose veins. In combination with the Ceralas<sup>®</sup> HPD laser, the innovative contact fiber XCAVATOR<sup>™</sup> enables a gentle treatment of e.g. benign prostatic hyperplasia (BPH) in urology. The new LEONARDO<sup>®</sup> diode laser by biolitec<sup>®</sup> is the first universally applicable medical laser which features a combination of two wavelengths, 980nm and 1470nm, and is suitable for interdisciplinary use. Gentle laser treatments in the fields of proctology, ENT, gynecology, thoracic surgery as well as pneumology also belong to the business field of biolitec AG. Further information at [www.biolitec.com](http://www.biolitec.com).

**Press contact:**

Jörn Gleisner  
Telephone: +49 (0) 6172 / 27159-20  
Telefax: +49 (0) 6172 / 27159-69  
E-mail: [joern.gleisner@biolitec.com](mailto:joern.gleisner@biolitec.com)