The Medical Power of Light

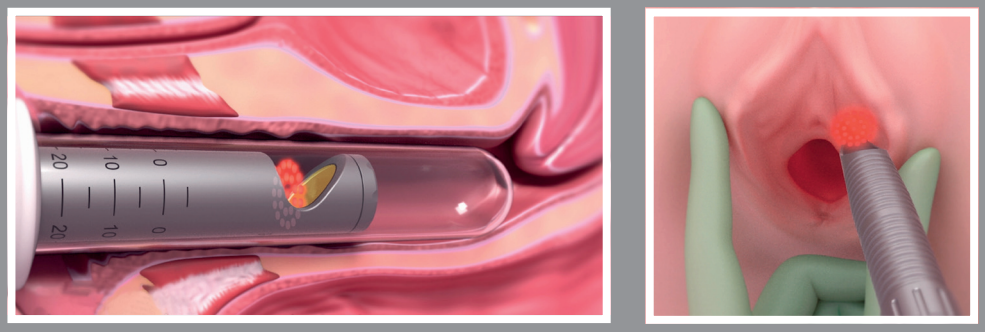
ProlapLase®

Er:YAG SMOOTH mode Laser Treatment of Pelvic Organ Prolapse

- Photothermal tightening of the tissue and contraction of the vaginal canal
- A safe and non-invasive alternative to traditional methods
- High success rate and patient satisfaction
- Suitable also for higher grade prolapse

Fotona
choose perfection

www.fotona.com



Fotona Er:YAG SMOOTH mode treatment for pelvic organ prolapse

What is ProlapLase®?

Pelvic organ prolapse (POP) is a common problem, affecting almost 50% of parous women to some degree. Before ProlapLase® there were only two solutions available: supporting pessaries and surgical methods, both of which have been associated with problems and high levels of adverse effects. ProlapLase® is an innovative and unique non-invasive Er:YAG laser alternative for the treatment of POP. It utilizes the gentle, non-ablative photothermal effects of Fotona's SMOOTH mode to tighten the tissue and contract the vaginal canal. Preliminary clinical studies show that it is an efficient, easy-to-perform and safe procedure.

How does ProlapLase® work?

The ProlapLase® treatment is based on precisely controlled laser-induced photo-thermal effects of Fotona's 2940 nm Er:YAG laser in mucosa tissue, stimulating collagen remodeling and the synthesis of new collagen fibers. The result of collagen neogenesis and remodeling is shrinkage and tightening of the vaginal canal without removal of any tissue.

The ProlapLase® protocol includes three steps:

Step 1: Circular (360°) irradiation of the whole vaginal canal.

Step 2: Angular irradiation of the prolapsed side of the vaginal wall.

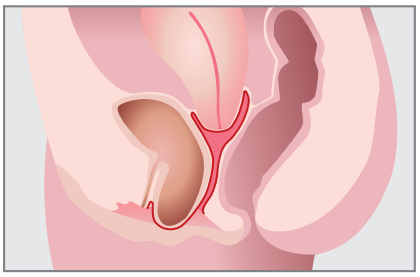
Step 3: Irradiation of the vestibule region and prolapsed vaginal wall.

Usually, patients will require more than one treatment session (up to four).

Promising clinical results

The latest scientific results presented by Dr. Urska Bizjak-Ogrinc and Dr. Sabina Sencar clearly show that Fotona's novel thermal laser treatment is an effective and safe non-invasive option for the treatment of POP:

- The average POP grade was significantly reduced already after the first session (Fig.1).
- The POP continued to improve with further sessions (Fig. 2).
- Treatment discomfort was very low (mean VAS score 0.4) and patient satisfaction high (median 4 on 1-5 scale).
- There were no adverse events reported.



Anterior Compartment Prolapse (Cystocele)

Unique advantages of ProlapLase® for your patients

With ProlapLase® the overall impact and burden on the patient's organism is minimal, as opposed to more invasive classical surgical procedures. No special pre-op preparation or post-op precautions are necessary. Patients can immediately return to their normal everyday activities. Additional advantages of ProlapLase® are that the procedure is incisionless and virtually painless, with no cutting, bleeding or sutures.

Getting started with ProlapLase®

After clinical approval, training in ProlapLase® will be provided through the Laser and Health Academy (www.laserandhealth.com) as a stand-alone training workshop under the guidance of experts in medical laser technology. The extensive workshop, where participants engage in live demonstrations and gain an in-depth understanding of laser physics and laser-tissue interaction, will provide the needed insights into the fundamentals of the ProlapLase® treatment and other procedures that can be performed with Fotona's laser systems.

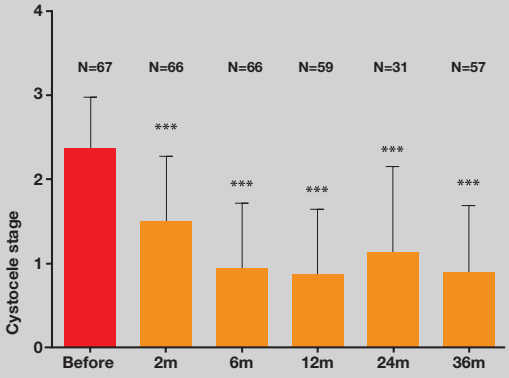
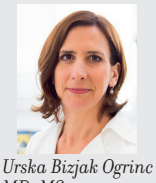


Figure 1:
Mean cystocele stage at baseline and after treatment



Urska Bizjak Ogrinc MD, MSc.

Sabina Sencar M.D.

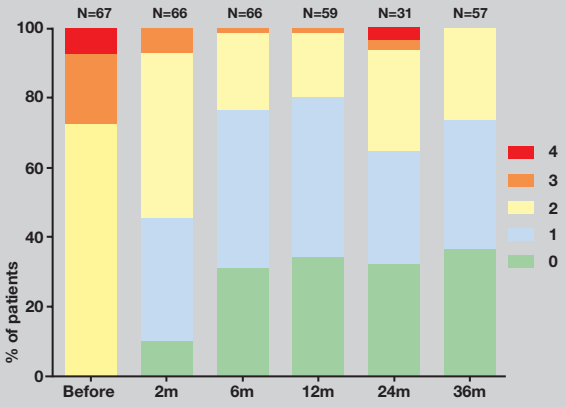


Figure 2:
Cystocele grade distribution at baseline and follow-ups

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