

Suffering from prostate hyperplasia ?



Patient Information

LIFE

Minimally invasive laser therapy of
benign prostate hyperplasia (BPH)

Do you suffer from benign prostate hyperplasia (BPH) ?



Normal prostate

The **prostate** is a gland located below the male bladder and is surrounding its distal end. Nearly every man experiences augmentation of the prostate with increasing age. This tissue enlargement is scientifically known as “benign prostate hyperplasia” (BPH). Even though being a benign condition, it can lead to significant discomfort including frequent urination, weak urinary flow and the sensation of incomplete bladder draining. In rare cases, high amounts of urine remaining in the bladder, recurring inflammation of the bladder or a complete urinary blockage can lead to acute kidney failure.

Diagnosis requires three actions: During a digital transrectal examination, the urologist checks the size of the prostate with his finger via the anus. The prostate is then visually displayed using a transrectal ultrasound while the volume is simultaneously calculated by a computer. Finally, an urine examination is carried out and the PSA - a blood parameter used to diagnose prostate carcinoma (malignant tumor of the prostate) - is measured.



Enlarged prostate (BPH)

What happens during surgical procedures ?

Therapy does not need to entail surgery. Regular consultations and drug therapy might be adequate for patients suffering from benign prostate hyperplasia with minimal distress. Anyhow if these measures are not sufficient, surgery might be an option.

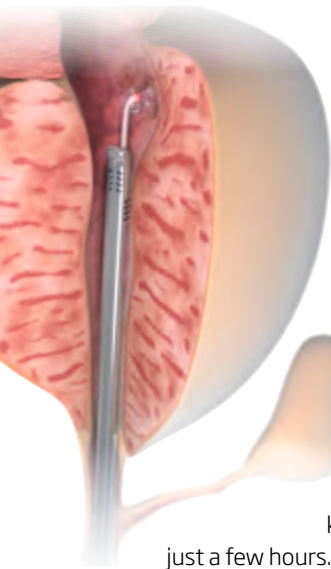
Conventional surgery of benign prostate hyperplasia is usually carried out using a cystoscope (medical device for imaging the inside of the urinary bladder) inserted through the urethra. During the conventional procedure, unwanted tissue is peeled away in layers using an electric wire loop. Despite the hemostatic effect of the wire loop, heavy bleeding can occur in rare cases. Especially for patients taking blood-thinning medication, a conventional surgery of the prostate implies an increased risk of bleeding and a hospital stay of 3 - 5 days.

The innovative LIFE laser procedure is the alternative to the electric wire loop. The laser radiation of the LIFE laser system is guided by an emitting optic fiber. The laser vaporizes prostate tissue very precisely and selectively while preserving the deeper tissue.

Besides capillary vessels, the prostate tissue contains a lot of water. The LIFE laser which is being absorbed in water as well as in hemoglobin of blood offers a crucial advantage here: tissue vaporization and coagulation are both possible. That means a pinpoint and efficient ablation as well as prevention of after-bleedings are ensured. Especially patients who take blood-thinning medication benefit from laser therapy.



What is the innovative LIFE laser procedure ?



Due to effective vessel closure no cell water spills into the vascular system. The body's salt and water levels remain stable, and cardiovascular problems are rare. Non-vaporized tissue can be extracted and examined for malignant cells (carcinoma). This offers patients the security of detecting possible carcinoma. The excellent wound surface closure provided by the laser keeps catheterization time down to just a few hours. In the majority of cases, the patient can leave the clinic the same or following day.

New quality of life with LIFE laser therapy

- LIFE laser therapy is effective and gentle to your body, and you will quickly return to a life without discomfort.
- The uretic flow improves one day after surgery. The frustration of wanting to urinate and not being able to is consigned to the past. Even at night you will be free of any discomfort.
- The need to urinate and the resulting sleeplessness disappear - quality of life is restored!

Enhance your quality of life with LIFE laser procedure

Gentle surgery

- Only unwanted tissue is carefully removed
- Deeper-lying tissue is preserved
- Minimally invasive procedure
- Short need of catheter
- Short clinical stay
- No blood transfusion necessary
- Ideal control of unwanted bleeding
- Ideal for patients taking blood-thinning medication

Your wellbeing

- Gentle anesthesia possible
- Gentle to the circulatory system
- Rate of complications considerably lower than with conventional surgery
- In most cases no impact on sexuality and continence

Prevention

- Enables targeted sampling for fine tissue examination (cancer diagnosis)

For further information on physicians offering the LIFE laser therapy in your area please contact our hotline on +49 6172-27159-11. Medical questions can only be answered by your treating physician.

Your physician on site

Please visit our website:
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