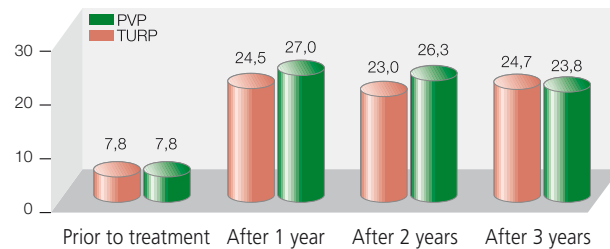


According to a multicenter study conducted in the United States (involving inter alia the MAYO Clinic), the results of the green-light laser therapy are just as good as or even superior to those of the TURP prostate treatment.

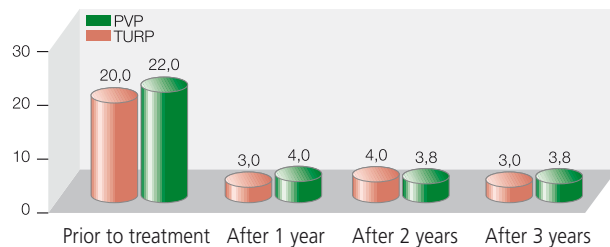
### Strength of the urine stream after therapy

Urine flow (Q<sub>Max</sub> Value ml/s)



### Extent of complaints prior to and after therapy

Satisfaction scale (AUA/IPSS symptom score)



### Green-light laser therapy – when is it indicated?

In all stages of BPH, in particular when the patient has extreme difficulty in passing water. The procedure is entirely pain-free, since combined anesthesia (lumbar and sedation) is used.

### The advantages of the green-light laser therapy technique:

- Low burden, suited also for risk patients
- Preservation of sexual function
- Shortest period of hospitalization
- No general narcosis
- Freedom from complaints rapidly achieved
- Cost-effective

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## Gentle prostate therapy with green-light laser

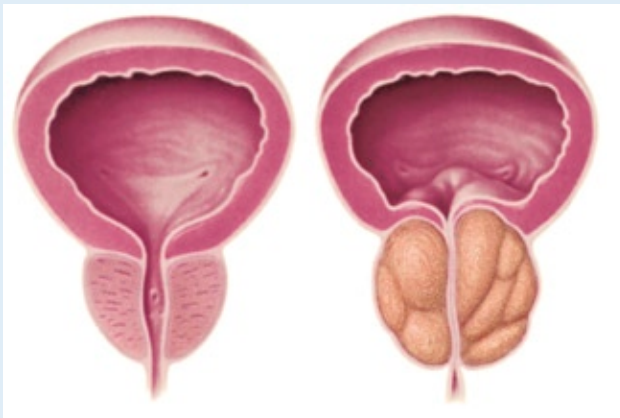


### What is BPH (benign prostate hyperplasia)?

Benign prostate hyperplasia (BPH) is a problem suffered by many men. Every second man over 50 years of age has this disorder, and the incidence among over 60-year-olds is even as high as 75%.

The causes are hormonal by nature, but are also influenced by unfavorable living and eating habits (luxury lifestyle: "too much, too often, too rich", lack of physical exercise).

The purpose of the prostate gland is to produce seminal fluid. It is situated beneath the urinary bladder and encloses the urethra like a sleeve.



The enlarged prostate constricts the upper segment of the urethra near the bladder and prevents the free flow of urine.

The growth of the prostate that sets in from the fourth decade of life on lead to an ever-increasing constriction of the urethra, resulting in the typical prostate complaints such as:

- frequent urination, especially at night
- sudden and irrepressible urge to urinate
- weak urinary stream
- sensation that the bladder is not completely emptied
- dribbling

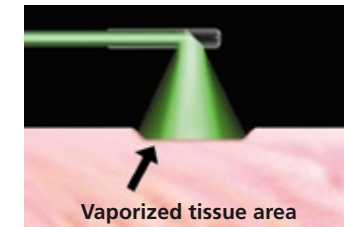
It goes without saying that complaints such as these mean a substantial impairment of the patient's quality of life; what's more, if left untreated they can later have serious consequences, such as complete urinary retention, infections, and in extreme cases even renal failure. When vegetable and chemical agents no longer provide relief, the past method has always been to operate.

The "planning procedure" (TURP, total urinary resection of the prostate), however, is feared by patients due to the considerable risks involved. Possible complications include strong bleeding, incontinence, impotence, and so-called retrograde ejaculation (reverse ejaculation of semen into the bladder in 70% - 80%).

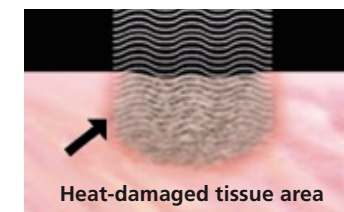


### The green-light Laser therapy method with the potassium-titanyl-phosphate laser (PTP laser)

The new green-light laser system constitutes a major breakthrough in the therapy of BPH. Due to its wavelength of 532 nm, the radiation energy is particularly well absorbed by well-perfused tissue structures and the blood corpuscles. This means that the prostate tissue itself can be vaporized in a virtually blood-free manner.



Only low degree of edema formation with the green-light laser method



Other thermic procedures

Due to the low depth of penetration, any severe irritation of the tissue caused by swelling is avoided. The urine flow is stronger already directly after the therapy.

With the new green-light power laser (120 watts) it is possible to effectively treat even larger prostate glands up to 150 ml in size. A better focus of the light beam and the increased output produce an enhanced vaporization effect – more tissue is eliminated in a better, faster, and safer way. The duration of the surgical procedure is hence considerably shortened.