Do you suffer from hemorrhoids?

Patient Information

LHP® and HeLP®
Minimally invasive laser therapies of hemorrhoids
What are hemorrhoids and how do they occur?

It is not uncommon to suffer from hemorrhoids. More than half of all men and women over 50 have the same problem as you right now. And around 80% of the population will suffer from the painful consequences of hemorrhoids at least once during their lifetime. Healthy hemorrhoids are cushions of tissue which are essential for the delicate closing of the anus. They support the function of the closing muscle.

The anus is principally closed with the help of an inner closing muscle. This, so to speak, seals it. Hemorrhoidal cushions sitting on the muscle help wind, mucous and liquid stools to leave the intestine in a controlled manner. The skin in the anal canal (anoderm) contributes to so-called continence due to its sensitivity.

For the majority of people, however, these tissues will enlarge or sag during the course of a lifetime. There are 4 stages of the illness and different therapy options for these stages. 2nd degree hemorrhoids can be treated with HeLP® whereas 3rd to 4th degree hemorrhoids can be treated with LHP®.
Hemorrhoids as an unpleasant condition

Hemorrhoids are a taboo topic. People do not talk about hemorrhoids. A hemorrhoid condition is unpleasant. It itches, it burns and it hurts.

In most cases, however, self-treatment does not lead to a lasting recovery.

The painful symptoms can disappear spontaneously but they can return after only a short while. The problem has not been solved.

Initially when it bleeds, people go to the doctor.
What happens during surgical procedures?

The medical treatment of hemorrhoids is determined by the stage of the illness. Hemorrhoids have been broken down into four stages. During the initial stage (stage 1), medical treatment and diet can be sufficient.

In the advanced stages (hemorrhoids are pressed outwards during bowel movement), they are usually treated surgically, whereby the excess hemorrhoidal tissue is removed (cut out).

Normally, this also means that the sensitive anoderm can be injured and partially removed.

Alongside the pain, this surgical intervention can involve diverse complications.
Gentle laser treatments with LHP® and HeLP®

The minimally invasive laser procedure HeLP® for 2nd and LHP® for 3rd to 4th degree hemorrhoids provide the attending doctor with gentle new treatment options. The aim of medical treatment is to shrink the hemorrhoids in a controlled manner, while at the same time preserving their function.

LHP® offers best possible preservation of the closing muscle, anoderm and mucous membranes.

HeLP® is an ambulatory treatment option which can be done with no anesthesia at all.

*LHP® is the abbreviation of LaserHemorrhoidoPlasty, i.e. the shaping of hemorrhoids (back to their normal size) with the help of laser energy

*HeLP® is the abbreviation of Hemorrhoid Laser Procedure
Laser treatment with HeLP® for 2nd degree hemorrhoids

1. A proctoscope is inserted with a lubricant.

2. The exact position of the arteries is determined with a Doppler probe.

3. The artery is closed with a laser light pulse by the HeLP® laser fiber.

4. The treatment can now be continued in the remaining places.

5. The hemorrhoids shrink and slowly regress as a result of the treatment.
What are the effects of laser treatment with HeLP®?

Due to the targeted penetration of the laser, the enlarged hemorrhoids will also be cut off from their blood supply. The tissues shrink and relieve the hemorrhoids of their oversupply. Furthermore, continued sagging of the tissue is prevented by fixing it to the muscle layer below.

Within 7 to 14 days of the implementation of the procedure, the bleeding decreases as a result of the hemostatic effect of the laser. The hemorrhoidal tissue shrinks. This process continues over a period of up to 10 weeks.
What are the advantages of HeLP®?

HeLP® is a clean endoscopic treatment in which arteries are closed using photocoagulation. There are no incisions and no tissue is removed.

HeLP® treatment with laser radiation for 2nd degree hemorrhoids stands out due to the following advantages:

- High level of safety
- Ambulant surgery within 10 - 15 minutes
- Freedom from pain and symptoms
- Quick return to normal activities
- Very good results in 12 months

If surgery is inevitable how is it done minimally invasive?
Laser treatment with LHP® for 3rd to 4th degree hemorrhoids

1. The laser fiber is placed in the center of the hemorrhoidal tissue under direct vision.

2. Each hemorrhoid is specifically shrunk from within with the LHP® laser fiber.

3. The hemorrhoids shrink and slowly regress as a result of the treatment. Due to the targeted penetration of the laser, the enlarged hemorrhoids will also be cut off from their blood supply. This leads to a decrease in bleeding within a few days of the laser treatment.
What are the **effects** of laser treatment with LHP®?

The new minimally invasive LHP® procedure protects the sensitive anal skin (anoderm):

The hemorrhoids are shrunk from within under suitable anesthetic via a small insertion with a thin laser tube, without injuring the anoderm. This results in only a very small wound.
What are the advantages of LHP®?

LHP® treatment is suitable for patients with 3rd to 4th degree hemorrhoids. In contrast to conventional surgical interventions, there is normally no incision, and no tissue is removed.

The LHP® treatment with laser radiation has the following advantages:

- Target-specific reduction of tissue in the hemorrhoidal nodes
- Maximum preservation of continence
- Best possible preservation of the closing muscle, anoderm and mucous membranes
- Quick return to normal activities

The costs will be covered from your health insurance funds upon consultation with your physician. In some cases, an additional payment from the patient may be required.

Benefit from the gentle therapy options for the treatment of hemorrhoids with the innovative laser procedure from biolitec®.

Ask your physician about the options of treating hemorrhoids via laser.

Ask for LHP® and HeLP®.
For further information on the treatment of hemorrhoids or for a visit of a LHP® or HeLP® therapy center please do not hesitate to contact us.