

# Laser for proctology

Treating hemorrhoids and anal fistulas -  
the minimally invasive alternative to surgery



**intros**<sup>®</sup>  
MEDICAL LASER

## Laser therapy in proctology

*the minimally invasive alternative to surgery*

Minimally invasive, tissue-friendly, effective: as a tried and test therapy method, laser therapy has long been established in proctology. It enjoys high acceptance among patients because it has hardly any side effects and can be performed quickly. It offers many other significant advantages over conventional procedures, including being less invasive, shorter convalescence periods and less postoperative pain.

Laser therapy is most commonly used in proctology for treating hemorrhoids (HOLT®). It is also used for the removal

of polyps and genital warts. Lasers can also be used to treat anal fistula (FOLT®) and are effective for fissures.

With innovative devices, such as the intros **dios:1470**, and in combination with special laser fibers, such as the intros fistula Fiber, we provide the perfect tools to start or expand the use of this innovative treatment methods HOLT® and FOLT®.

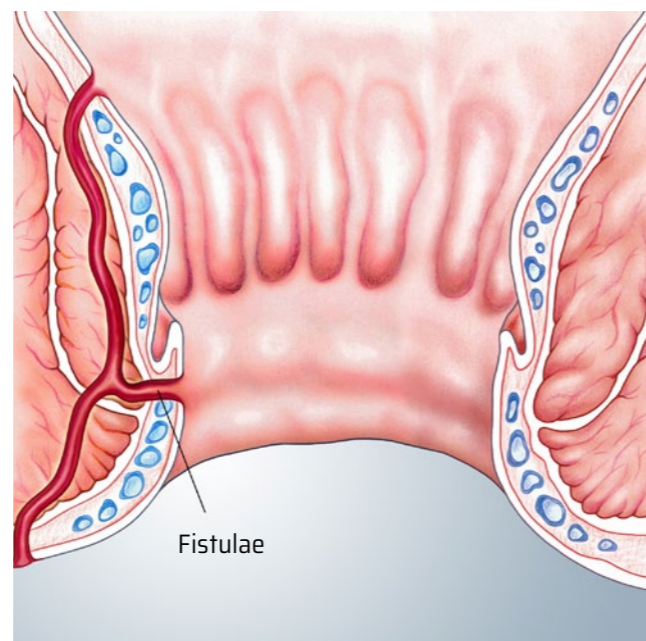
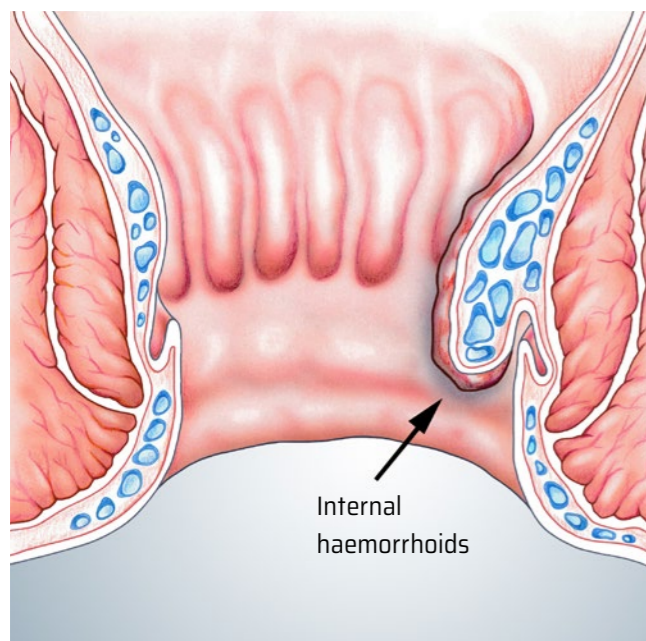
## Technology and mode of action

### Treating hemorrhoids (HOLT®)

In the treatment of hemorrhoids, the so-called laser hemorrhoidoplasty has shown good results. This safe, painless and minimally invasive treatment method HOLT® uses a fan-shaped emitting hemorrhoid laser probe developed specifically for this treatment. It enables the gentle shrinkage of grade 2 to 4 hemorrhoids requiring treatment. Pinpoint coagulation ensures the best possible preservation of the surrounding tissue and reduces side effects on the sphincter and anal mucosa.

### Treating anal fistula (FOLT®)

There are a number of benefits to lasering anal fistulas, such as coccygeal fistulas, instead of having surgery. With the FOLT® method (= fistula occlusion laser therapy), a flexible, diffusely emitting fistula laser probe is inserted into the fistula tract, the inflamed tissue is destroyed in a controlled manner, the fistula tract is closed and the original anal gland is inactivated.



HOLT® and FOLT® are gentler than conventional surgical procedures. Healing is usually very good because, unlike conventional surgery, no incisions or sutures are necessary.

## Proctology Accessories

### intros® Hemorrhoid Fiber

The pointed probe can be introduced into the hemorrhoid pocket to avoid leaving any open wounds. A special cannula and a handheld surgical handpiece are recommended for superior handling.

- Stable fibre core diameter 600 µm
- Pointed, heat-sealed fibre end
- Fan-shaped emission
- 5-year sterility
- Double-packed for sterility



### intros® Fistula Fiber

The intros® Fistula Fiber provides easy access even in tight, curvy fistulae for permanent occlusion of anal fistulae.

- Stable fibre core diameter 600 µm
- Rounded, heat-sealed fibre end
- Homogeneous emission over 4 mm
- 5-year sterility
- Double-packed for sterility



### Luer Lock handpiece & Introducer Needle



### Open retractor



### Benefits of laser therapy

- ✓ minimally invasive treatment
- ✓ Protection of the surrounding tissue
- ✓ small wound size and excellent haemostasis
- ✓ effective and safe treatments
- ✓ Reduction of local side effects
- ✓ low pain sensation and less postoperative pain
- ✓ excellent cosmetic results
- ✓ Preservation of natural anatomy
- ✓ combinable with other methods

# Technical specifications

## Diode laser



### DIODE LASER dios:1470

Power:	1-12 Watt
Wavelength:	1470 nm
Operating mode:	continuous, pulsed
Pulse duration:	1-20 s
Aiming beam:	rot 650 nm, < 2 mW
Operating voltage:	Akku / 8 VDC, 5 A
Weight:	2.1 kg
Dimensions:	15 x 22.5 x 15 cm (H x W x D)
CE-marking:	CE 0123

### Accessories



Laser safety glasses



Carry case



Vexiocard equipment trolley

[www.intras.de](http://www.intras.de)

Subject to changes in specification and features in the interest of technological advancement.

**intras**® Medical Laser GmbH

Rudolf-Diesel-Straße 3 • D-37308 Heilbad Heiligenstadt  
Phone: +49 (0) 3606 / 65 70-50 • Fax: +49 (0) 3606 / 65 70-59  
E-Mail: [info@intras.de](mailto:info@intras.de) • [www.intras.de](http://www.intras.de)

