

# SMART<sup>M</sup>

## PROCTOLOGY

...BE SMART... YOU CAN HEAL AS WELL !



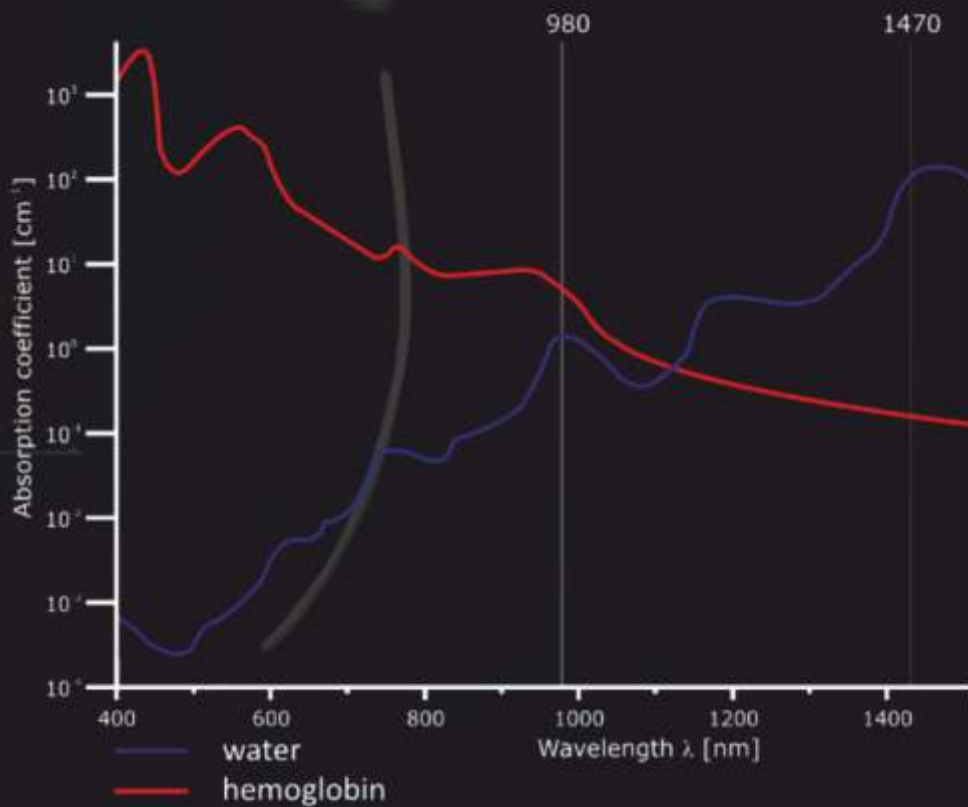
 Lasotronix



HANDY GRIP



TOUCH SCREEN INTERFACE



## How Lasotronix-SMART™ is a device unlike any other:

1. **Lasotronix give 2 option of wave length -**
  - A. **980nm with 15w and 10 w** : For the cases of haemorrhoids and fistula with a special designed fiber.
  - B. **1470nm with 15w** : for Varicose vein with special designed fiber.
2. **Lightest Diode Laser** - Unlike other 8-10 kg devices in the market, Lasotronix weigh just 2.5 kg. So it's portable - you can carry it along for all your hospital visits, anywhere.
3. **Lowest Operating cost** – Cost to run machine is very less.
4. **Excellent portable packaging** - Plus this small yet powerful device comes in a Convenient carrying case, handy grip, tool to set-up quick workstation, foot switch and all supporting accessories
5. **Absorption coefficient of 980nm -**
  - A. Absorption coefficient of 980nm is higher for hemoglobin than water
  - B. So it is making treatment safer for 980nm with high efficiency



Disposable optical bare fiber,  
SMA905 connector/ open-ended,  
600µm fiber core, 300cm long



Radial disposable SLIM,  
optical fiber, SMA905 connector,  
600 and 400µm fiber core



Lock Adapter for  
Catheter



Catheter set for bare fibers



Catheter set for radial fibers



Safety glasses for the doctor,  
patient and attendant



SMART<sup>KEY</sup> - database,  
manual and safety key in one



Footswitch



Complete set:  
laser and its accessories



Convenient carrying case



Emergency stop



Comfortable workstation

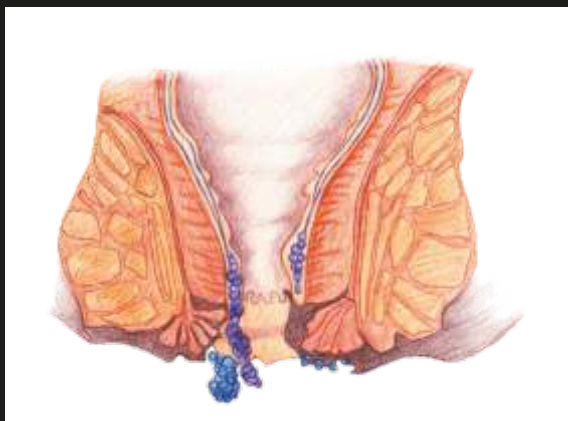
# UNIQUE LASER TECHNOLOGY AT YOUR FINGERTIPS

SMART <sup>SM</sup> CONFIGURATION	SMART <sup>SM</sup> 15W-980nm	SMART <sup>SM</sup> 15W-1470nm
<b>EQUIPMENT PACKAGE</b>		
Disposable optical bare fiber, SMA905 connector/ open-ended, 600µm fiber core, 300cm long	●	○
Catheter set for bare fibers	●	○
Radial disposable SLIM optical fiber, SMA905 connector/ radial tip, 400µm fiber core, 300cm long	○	●
Catheter set for radial fibers	○	●
Safety glasses for patient	●	●
SMART <sup>KEY</sup> - USB key, manual and personal patient database	●	●
Foot switch	●	●
Power cord	●	●
AC adapter	●	●
Transportation case	●	●
Comfortable workstation	○	○

○ - optional

# Laser Treatment of Hemorrhoids and Fistula

## Hemorrhoids



Under LA/GA, laser energy is delivered by radial fiber directly to hemorrhoidal nodes and they will obliterate from inside and this will help to preserve mucosa and sphincter structure to an extremely high precision. Laser energy is used to close off the blood supply nourishing the abnormal growth. The laser energy induces destruction of the venous epithelium and simultaneous obliteration of the hemorrhoidal pile by a shrinkage effect.

Advantage if using laser compare to conventional surgery, fibrotic reconstruction generates new connective tissue, which ensures that the mucosa adheres to the underlying tissue. This also prevents the occurrence or recurrence of a prolapsed. Surgical procedure can be executed in only a few minutes.

## Fistula



Under LA/GA, laser energy is delivered, via radial fiber, into the anal fistula tract and is used to thermally ablate and close off the abnormal pathway. The laser energy induces destruction of the fistula epithelium and simultaneous obliteration of the remaining fistula tract by a shrinkage effect. The epithelialized tissue is being destroyed in a controlled way and the fistula tract collapses to a very high degree. This also supports and accelerates the healing process.

Advantage if using diode laser using radial fibre compare to conventional surgery is, it give good control to operator, also allows use in convoluted tract, no excision or splitting Independent on the length of the tract. Surgical procedure can be executed in only a few minutes.



## WHY LASOTRONIX ?

- Over twenty years of experience in laser technology.
- **SMART<sup>III</sup>** provides choice of 2 possible wavelengths: 980 nm or 1470 nm, and 2 types of fibers: with open end or radial.
- Cutting edge technology.
- Extendable database of predefined therapy protocols which can be modified and assigned to a patient.
- Lowest operating costs.
- Very compact and small-sized device.
- Flexibility of development other customized parameters and OEM products.

## Benefit of using diode laser :

You see any surgical-patient if given an option would without an inch of doubt will opt for a treatment that is:

- Less Invasive ... less painful
- Doesn't require hospital stay
- Less bleeding, Less trauma
- Heals faster
- Doesn't causes any unsightly incisions and scars
- Can be treated in an ambulatory condition with just local anesthesia
- Last for not more than an hour



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