MC METRUM CRYOFLEX

Surgical Diode Laser for Perirectal fistula ablation, Pylonidal cyst abalation, Fishers

SWING 15 15 W - 1470 nm

- No risk of damage to surrounding tissues
- Homogeneous tissue ablation
- Reduced pain
- No need to cut and sew





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Fistula Surgical Technique

The laser fibre is inserted from the external opening of the fistula to the internal opening.



The laser fibre is then slowly removed whilst applying the laser energy. This causes the tunnel to close.



Benefits





NO BLEEDING



SHORT

PROCEDURE





Laser fistulectomy is a minimally invasive treatment for anal fistulas. The procedure is usually performed under local anaesthesia or sedation. The laser fibre is inserted from the external opening of the fistula to the internal opening. Once the laser fibre reaches the internal opening it is removed slowly whilst applying the laser energy. This causes the tunnel to close.

Pilonidal cyst ablation

Pilonidal cyst ablation is an effective destruction of a pilonidal cyst that is usually located near the tailbone at the top of the cleft of the buttocks. Pilonidal cyst ablation procedure has good success rate, fewer complications and comes along with high patient's satisfaction. There is no need for full excavation of the track and there is no suttering. Patients can sit the next day.

Fisher ablation

Fisher ablation with SWING 15 diode laser is dedicated for internal sphicterectomy. The procedure is minimally invasive compee- ring to other procedures. There is no bleeding or skin abrasion also no visibile scaring or any other skin trauma is detected after the fisher ablation with surgical diode laser SWING 15. The procedure is well tolerated by patients.

Why is it worth it?

The advantages of laser ablation procedures with the use of the SWING 15 laser and the radial tip fiber are disproportionate to other methods currently used. The use of the laser ablation technique is more comfortable both for the patient and the doctor.

Benefits for the patient

- None or very small incision required
- Painless treatments
- No risk of damage to the mucosa, sphincter or surrounding tissues
- Performed in an outpatient setting or one-day surgery
- Short recovery time, a quick return to normal activity
- Low risk of complications

Benefits for the doctor

- No need to cut
- Treatment without the use of rubber bands, staples, threads
- No need to sew
- No bleeding
- Low risk of complications
- Possibility to repeat the treatment

SHORT **RECOVERY TIME**

I OW RISK OF COMPLICATIONS



PAINLESS







Source: G. M. Hale, M. R. Querry, "Optical constants of water in the 200 nm to 200 µm wavelength region," Appl. Opt., 12, 555-563 (1973). Scott Prahl, https://omlc.org/spectra/hemoglobin/, Oregon State of Technology, USA.



Meet SWING 15

SWING, the first Polish semiconductor laser

SWING 15 emits energy at the wavelength of 1470 nm. The wavelength has a high degree of water absorption in the tissue with simultaneous effects on blood. The bio-physical property of the wave used in the SWING 15 laser means that the ablation zone is shallow and controlled, and therefore there is no risk of damage to adjacent tissues (e.g. sphincter). Additionally, it has a very good effect on blood (no risk of bleeding). These features make the SWING laser a safer and cheaper alternative to near-infrared lasers (810 nm-980 nm, Nd: YAG 1064 nm) and far-infrared laser (CO2 10600 nm).

Radial fibre 360°

Perirectal fistula ablation, Pylonidal cyst abalation and Fishers procedures should be performed using a combination of the SWING laser and our unique radial optical fibre (ring emission).

Laser proctology anoscope

The anoscope has a specially designed feature resembling wings to facilitate the introduction or change of its position without the risk of tissue damage. The anoscope has the diameter of 34 mm and the length of 90 mm. It is slanted and anatomically formed to enable the exposure of hemorrhoids for laser ablation. The anoscope is with an obturator. It is packed in a sterile, double package and ready to use without the need of disinfection.



Specification

Laser wavelength: 1470 nm
Fiber core diameter: 400 µm, 600 µm
Max. output power: 15 W
Dimensions: 43/46/20.3 cm
Weight: 13 kg





METRUM CRYOFLEX

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