

New Ways in Endovenous Laser Therapy

linos:1940



intros[®] Infinity



intros[®]
MEDICAL LASER

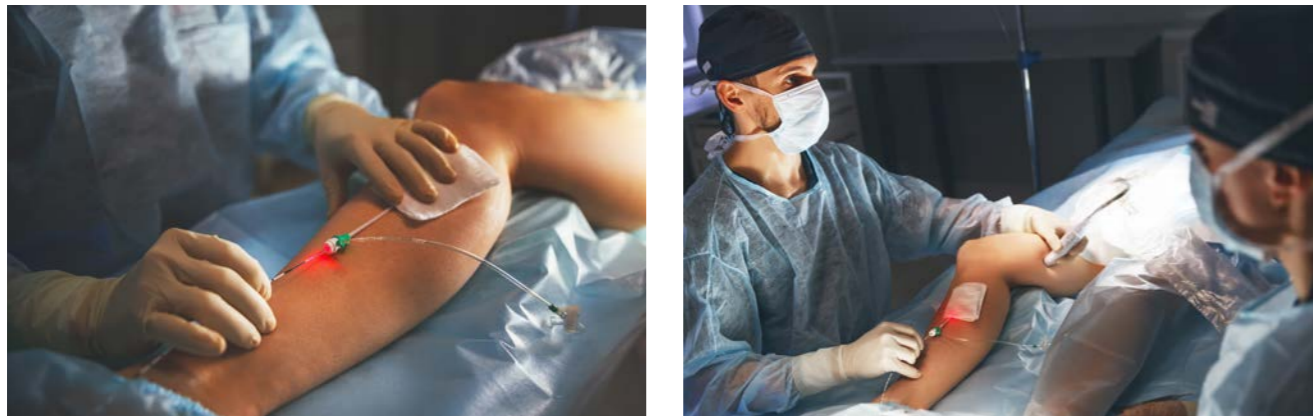
Endovenous Laser Therapy

Minimally invasive • minimises tissue damage • effective

Why laser therapy?

Venous interventions with the laser not only improve hemodynamics, they also reduce or eliminate congestion problems or trophic disorders such as ulcers. Endovenous laser therapy has been introduced as a modern alternative to classic venous stripping on the Vena saphena magna and the Vena saphena parva. It offers significant advantages to the surgical stripping. No general anesthesia or hospitalization is necessary, the procedure can be performed under local anesthesia. Postoperative pain and local side effects are significantly reduced and the risk of recurrence is lower. Due to the low invasiveness a much better cosmetic result can be achieved. The endovenous laser therapy leads to a very high level of patient acceptance and patient satisfaction.

How does endovenous laser therapy work?



Under ultrasound guidance, a special radial emitting fiber is inserted into the punctured vein. Is the laser fiber at the endpoint of the vein, a tumescent fluid is injected. After local anesthesia, the laser energy is submitted by a continuous withdrawal of the fiber. In this operation, the vessel wall is closed due to the homogeneous irradiation. It remains permanently closed. By using the tumescent solution, the patient feels no pain during the endovenous laser therapy. Overheating and local side effects are avoided. Upon completion of the treatment, a venous compression is applied, allowing the patient to resume normal day-to-day activities immediately after the procedure.

Patient benefits at a glance:

- ✔ No general anesthesia and no hospital stay
- ✔ No large wounds and cuts
- ✔ Significantly less postoperative pain
- ✔ No damage to the surrounding tissue
- ✔ No residue in the vein
- ✔ Excellent cosmetic result
- ✔ High patient acceptance and patient satisfaction

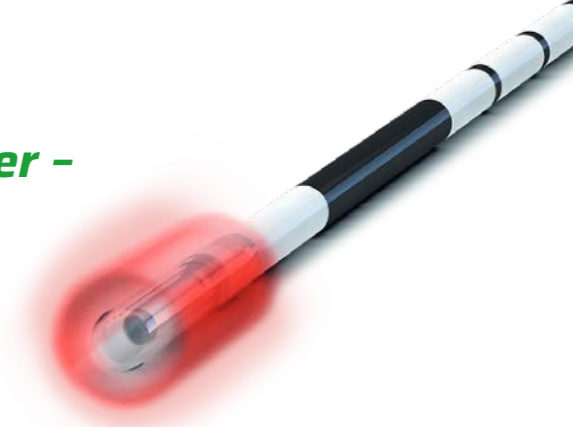


linos:1940 and intros® Infinity laser fiber - minimum energy, maximum success!

The next level of innovation in endovenous laser therapy is called **linos:1940**. Thanks to the longer wavelength, it requires significantly less energy. In combination with the innovative intros® Infinity laser fiber, it can treat larger vascular areas than comparable products and at the same time works more gently on the tissue. The fiber radiates particularly homogeneously and thus enables a much more even vessel occlusion compared to radial fibers, i. e. fibers that radiate more selectively. For particularly easy vein access, it is compatible with 5 F sheaths or 14 or 16 G cannulas and is available in three sizes.

Technical advantages at a glance:

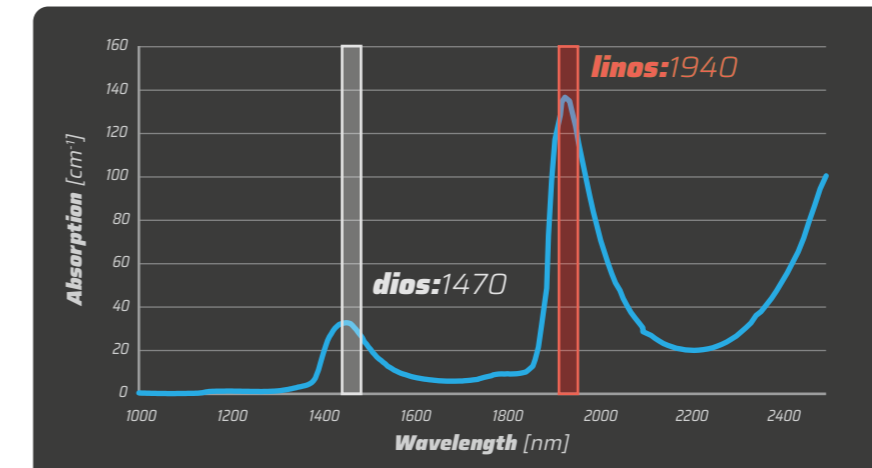
- Variable fiber diameter: 400 oder 600 µm
- flexible fiber tip insert in three sizes: 1.3 / 1.6 or 1.8 mm
- Greater length of the irradiated vein segment: 4 mm
- Cylindrical 360° radiation profile
- 5 years sterile thanks to double sterile packaging



Advantages

- ✔ effective - through a homogeneous energy distribution on the vein wall
- ✔ gentle - on average, less energy is required
- ✔ safe - higher fiber stability due to reinforced jacket and multifuse technology (fiber tip welded at several points)

The wavelength makes the difference



The large wavelength of 1940 nm ensures a significantly higher water absorption on the vein wall and is therefore more effective. At the same time, less energy is used and the surrounding tissue is protected.

Ready to go with our starter set ENDO

For the professional start of endovenous laser treatments, we offer you a practical starter set, consisting of:

- Diode laser 1470 nm or 1940 nm incl. safety goggles
- intros® Infinity laser fiber
- Introducer Set and puncture cannula
- Ultrasonic coating with gel
- Equipment trolley ENDO incl. infusion stand
- Tumescent infiltration pump Nouvag Dispenser DP30
- Infiltration tubing



Technical specifications of our Diode Lasers



DIODE LASER *linos:1940*

Power:	1-10 W
Wavelength:	1940 nm ± 30 nm
Operating mode:	continuous, pulsed
Pulse duration:	1-20 s
Aiming beam:	red 650 nm < 2 mW
Operating voltage:	100 - 240 VAC, 50/60 Hz
Weight:	8.0 kg
Dimensions:	40 x 37 x 26 cm (H x W x D)
CE-marking:	CE 0123



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

www.intros.de

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

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