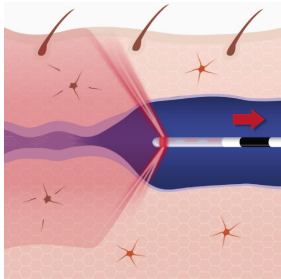


How the **simLa® 6** works

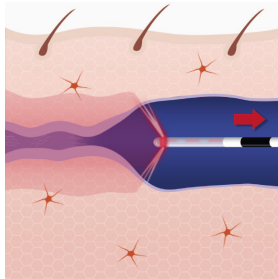
Conventional laser
980 nm – 1470 nm



- Less absorption
- Greater penetration depth
- Heat spreads far beyond the vein wall

Risk of unintentional lesions

simLa® 6
at 1940 nm

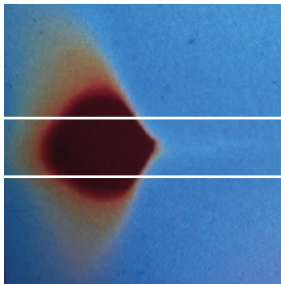


- Greater absorption
- Less penetration depth
- Heat created directly within the vein

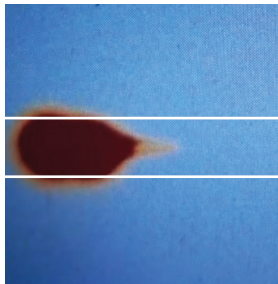
Truly minimally invasive and very gentle on tissue

Thermal measurement at a pulling speed of 1 mm/s to achieve 80 °C inside the vein*

12 W @ 980 nm



2 W @ 1940 nm



* Measured in a gelatin-based phantom model with 10 mm delimitation; temperature scale: red: ≤ 80 °C, yellow: 50 °C, blue: 20 °C

About us

iMS stands for competent, smart and progressive medical systems. We develop state-of-the-art technology for the gentlest possible treatment.

iMS – Made in Germany



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simLa® is a registered trade mark and protected by patent.

Exclusion of liability

This content has been compiled with the greatest care, but we accept no liability for its accuracy, completeness and currency.



simLa® 6 A first in endovenous laser treatment



1940 nm venous laser
- the original -

Rev 0919



simLa® 6

The gentle new laser treatment

Unlike conventional venous lasers, the new simLa 6 develops its effect with high precision where it is needed: inside the vein. The surrounding tissue, nerves etc. are spared.

Medical benefits:

- Treatment of very superficial vein segments with a reduced risk of post-operative hyperpigmentation and paresthesias
- Highly-flexible fiber catheters now make it possible to perform laser treatment even on narrow side branches and short vein segments – such as relapsed stumps, i.e.
- Lower levels of energy need applying to the vein (LEED):

simLa 6	10 to 50 J/cm
conventional lasers	50 to 110 J/cm
radio wave	60 to 180 J/cm
- Faster resorption of treated segments of vein
- Compression required only briefly – so procedure can also be carried out in the summer

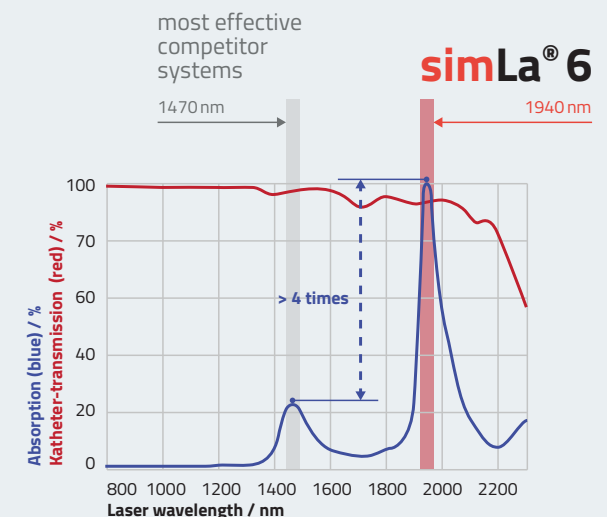
Innovative laser technology combined with high-quality radially-emitting fibers

- ➡ iMS Saturn Side Fiber IRH 600 1.8 Fused
- ➡ iMS Saturn Slight Side Fiber IRH 400 1.3 Fused

Technical benefits:

- Intuitive operating concept with integrated metronome
- Compact size 18 cm x 22 cm x 27 cm (H/W/D)
- Whisper-quiet operation, low-maintenance
- Just a power outlet required

In addition to these benefits, consider the financial side: the profit from laser treatment is noticeably higher than that from open surgery – a treatment room in your clinic is sufficient. Attractive remuneration models guarantee that the system pays for itself within a short time and generates high returns.



simLa® 6

The low-risk, minimally-invasive approach

Precise: compared to conventional venous lasers, the much higher absorption rate of the 1940 nm laser radiation of the simLa 6 creates heat precisely where it is required – i.e. within the vein.

Intuitive: simLa 6 scores with its user-friendly concept and integrated acoustic metronome. These make the minimally-invasive venous laser especially easy to manage.

Compact and low-maintenance: its compact design and whisper-quiet operation make the simLa 6 easy to transport and operate. Low-maintenance and long-life technology make it a reliable partner.

Versatile in use: whether in medical practice or in hospital — Phlebologists, angiologists and vascular surgeons can use simLa 6 just as easily for outpatient treatment of varicose veins as dermatologists can.