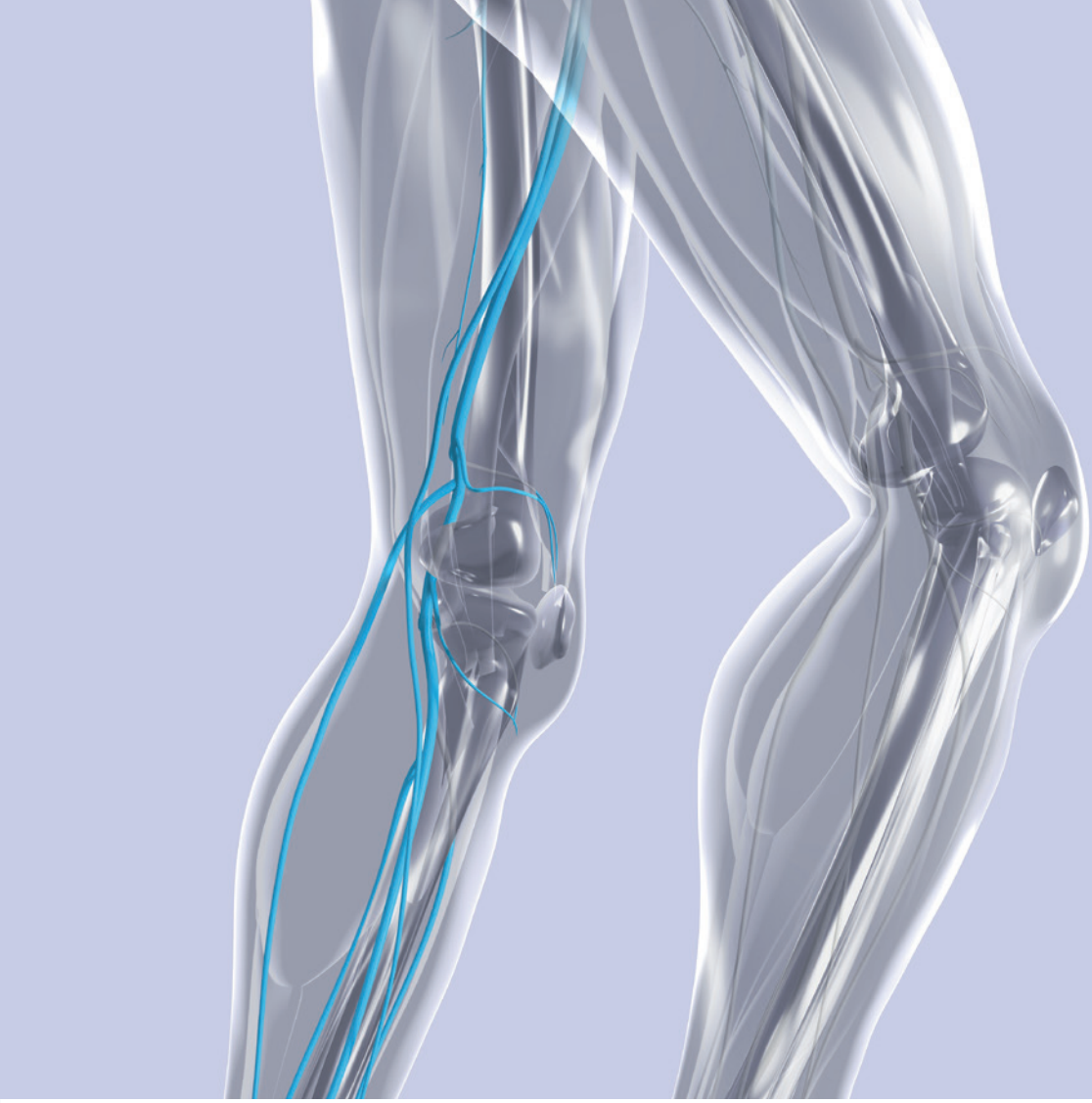
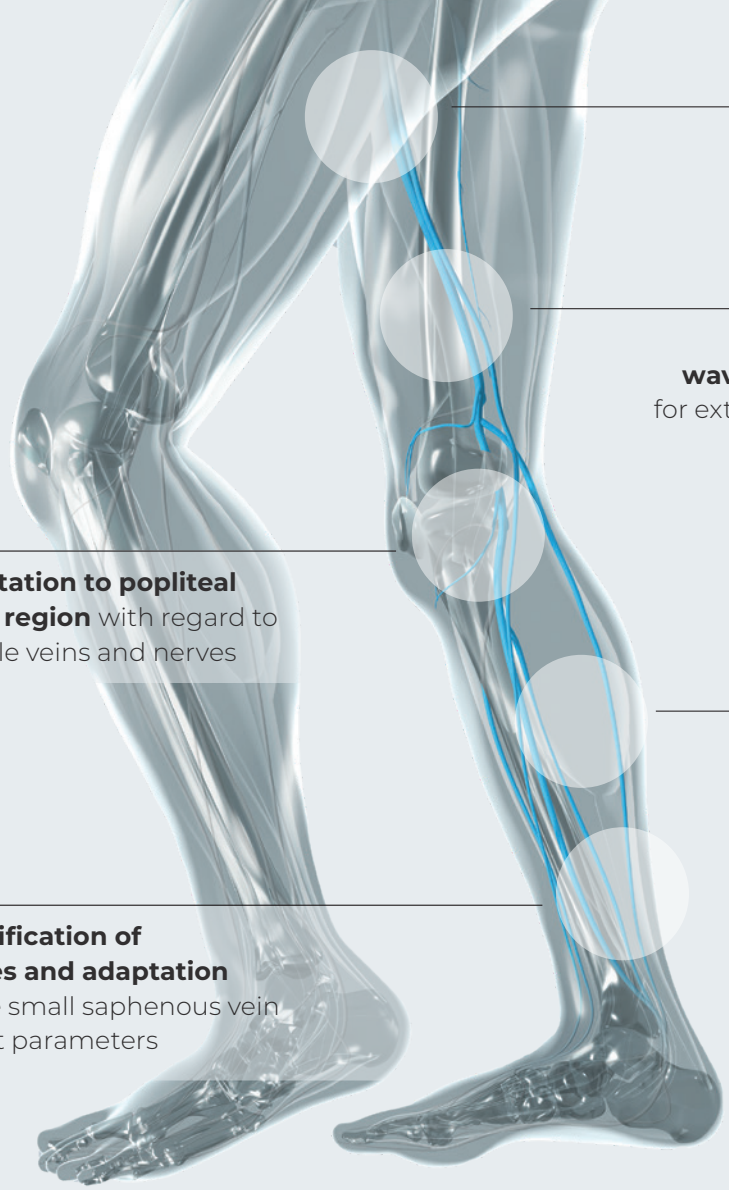


PHLEBOLOGY

LEONARDO®
DEPTH CONTROL

Technology
meets Anatomy



High combined power and energy in the junction area for optimal sealing

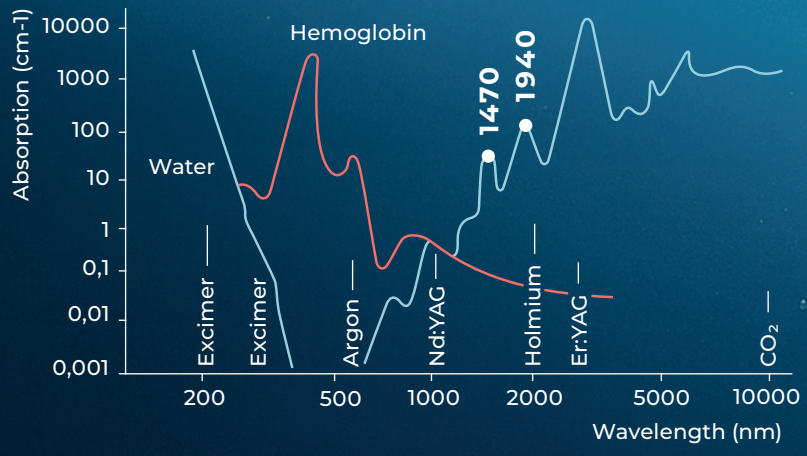
Adjustment of **both wavelengths-parameters** for extrafascial side branches

Adaptation to popliteal fossa region with regard to muscle veins and nerves

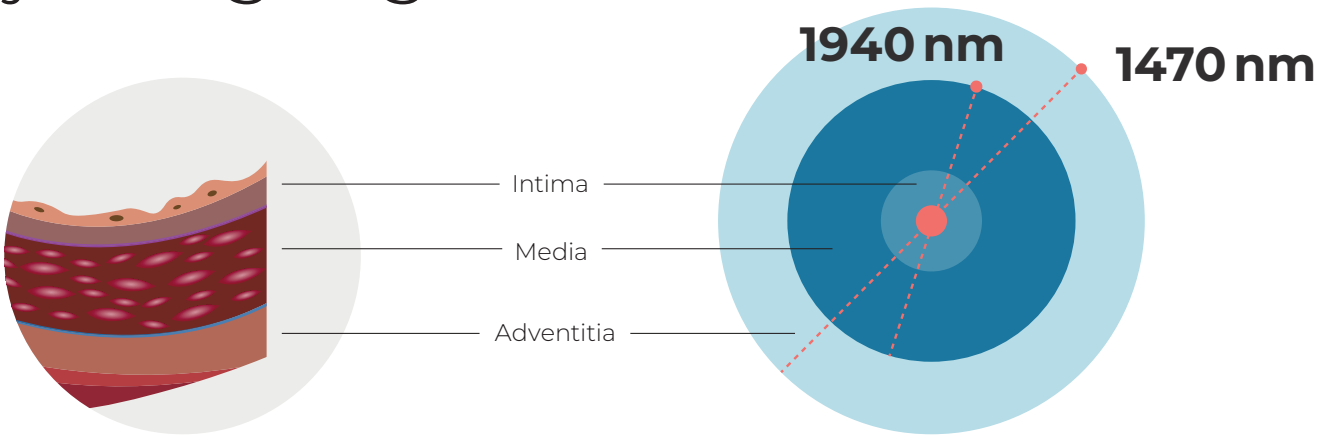
Perforator treatment with adjusted higher energies

Identification of nerves and adaptation to the small saphenous vein target parameters

The art of water absorption



Combined Efficacy – 1940 nm and 1470 nm joining together



Simplified action mechanism
Araujo et al Comparison of the effects of endovenous laser ablation at 1470 nm versus 1940 nm and different energy densities DOI: 10.1177/0268355518778488

1470 nm – Proven and effective
- Gold standard for safe & durable vein closure
- Also for large vein diameters (> 15 mm)

1940 nm – Greater precision, gentler touch
- Lower penetration depth than 1470 nm – optimal control
- Particularly suitable for sensitive anatomical areas

Blending – It's the mix
Combining both wavelengths enables precise tailoring of the laser–tissue interaction to optimize recovery time, minimize side effects, and ensure reliable vein closure.

The energy delivery can be adapted to each vein's diameter, wall thickness, and proximity to nerves or other sensitive structures, allowing controlled thermal confinement. This dual-wavelength approach effectively limits lateral heat diffusion into surrounding tissue, thereby further reducing pain, hematomas, and nerve irritation.

Safety and comfort for your patients
- Less post-operative discomfort
- Faster recovery and less downtime
- Ultimate control

LEONARDO®

Model	LEONARDO® DUAL 20
REF	LL1470+1940nm20W
Wavelength	1470 nm ± 30 nm + 1940 nm ± 30 nm
Power	20 Watt (12 W 1470 nm + 8 W 1940 nm)
Fiber diameter	≥ 360 µm
Target beam	650 nm, red 4 mW, user controlled intensity
Treatment mode	CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment
Pulse length / - break	0.01 – 60 sec / 0.01 – 60 sec
Power supply	100 – 240 VAC, 50/60 Hz, 450 VA
Dimensions (H × W × D)	approx. 28 cm × 37 cm × 9 cm
Weight	approx. 8.5 kg

All laser sets include three safety goggles, a foot switch, a door interlock, a power cable, and a manual in a carrying case.

Technical highlights

- Power: Up to 12 W (1470 nm) / 8 W (1940 nm)
- Modes: Single wavelength or combined use
- Display: Intuitive user interface with touchscreen
- Portable: Compact, lightweight design – ideal for clinics and practices

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