

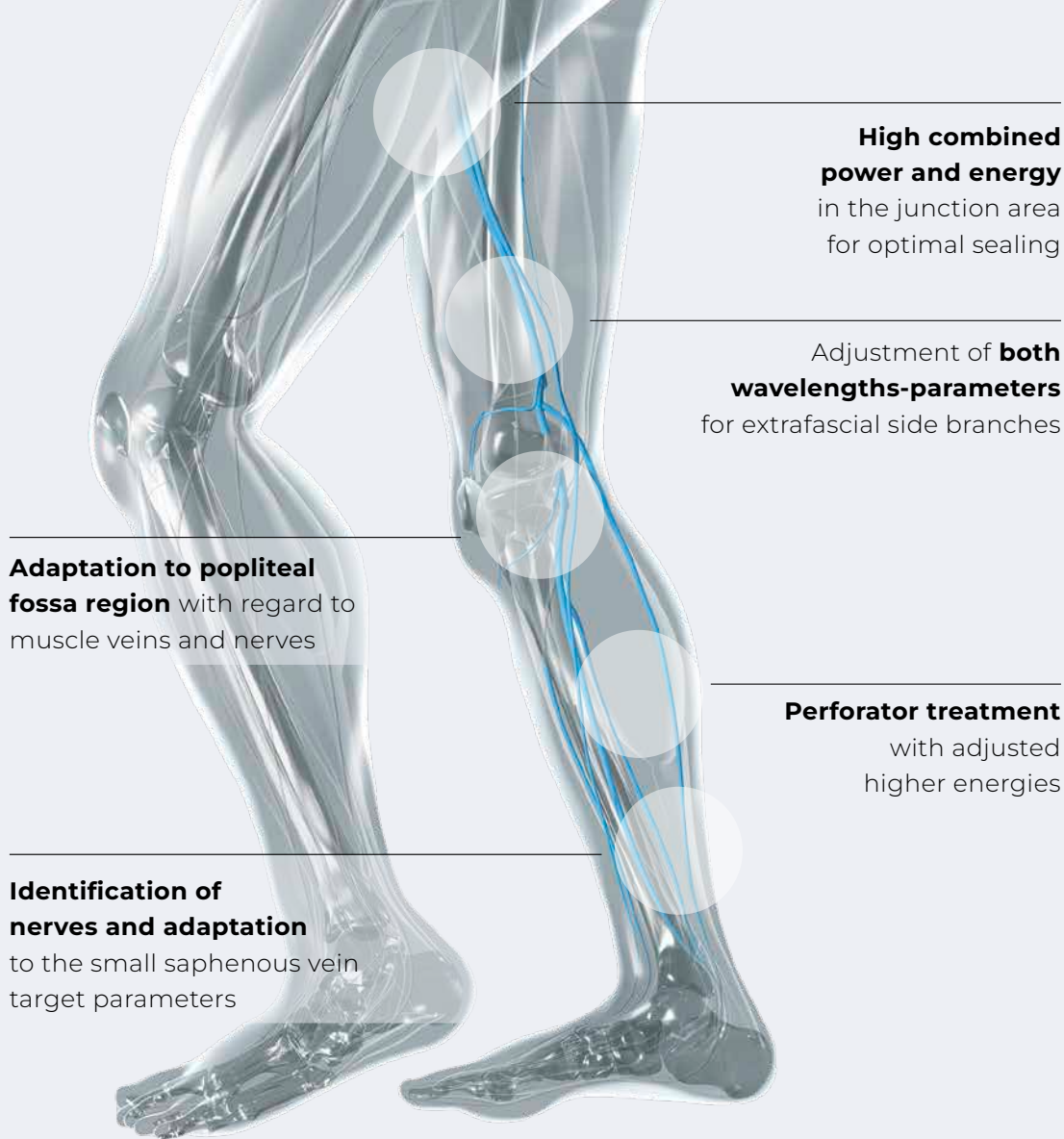


**PHLEBOLOGY**

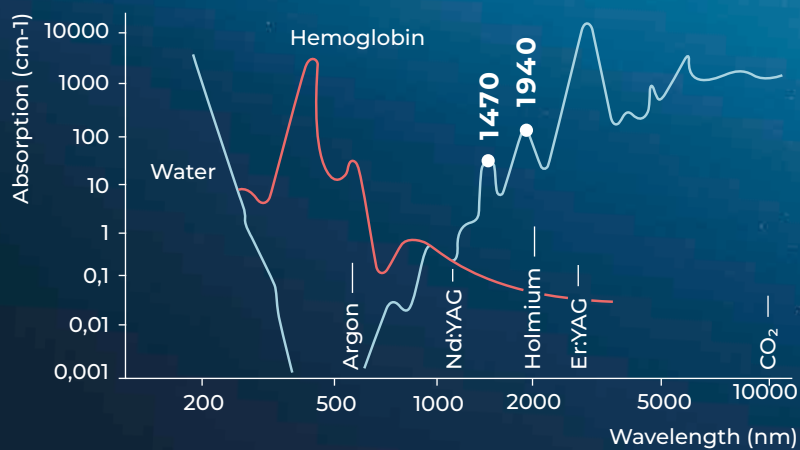
# LEONARDO® DepthControl



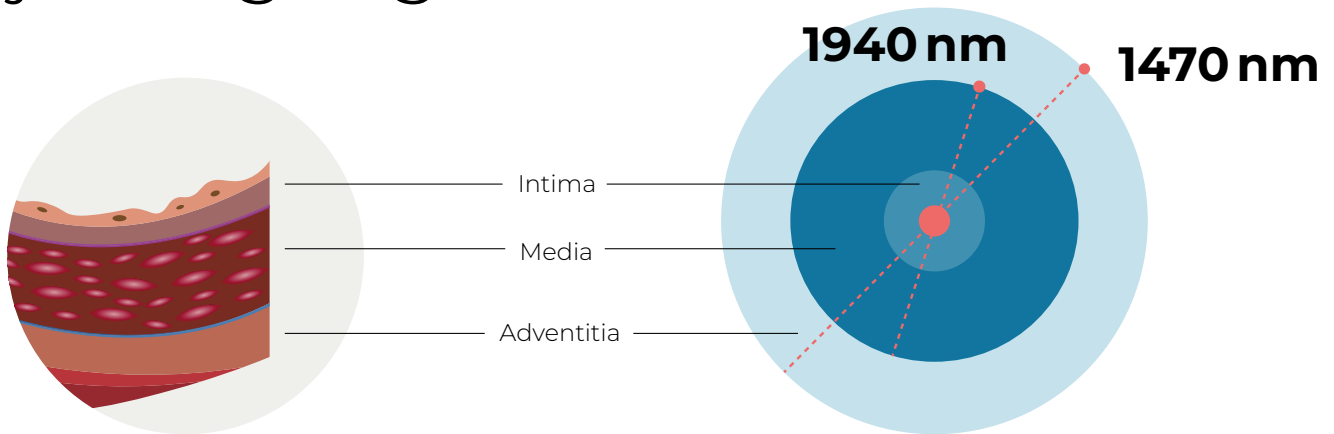
Technology  
meets Anatomy



## 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 (>15mm)

### 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®

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