EVLT - Endovascular Laser Treatment
Laser 1.5 μm for varicose vein
Radial tip (360°) fiber with SMA 905 connector

with European Quality Equipment
The laser therapy using 1.5 μm laser with radial tip fiber is a “gold standard” EVLT method with no side effects.

Advantages EVLT with SWING 1.5 μm laser and radial tip fiber:

- Painless procedure
- Minimized risk of vein perforation and its carbonization
- Minimized risk of skin discoloration when obliterated vein is placed near to skin surface
SWING 1.5 µm for LASER for VARICOSE VEIN (EVLT)

The first polish diode laser SWING 1.5 µm used for endovenous laser treatments of the Greater Saphenous Vein, Smaller Saphenous Vein and perforators in patients with superficial vein reflux.

Endovenous laser treatment of great and small saphenous vein - EVLT

The procedure is performed under local anesthesia either in an outpatient setting or in the operating room. The endovenous method leaves no scars, minimizes the risk of infection and post procedural pain. It also gives excellent clinical and esthetical outcome with significant cost reduction. A distinctive post procedural pain decrease can be observed after 1.5 µm laser treatment due to better light absorption inside the vein (40 times better than the wave of the 980 nm laser and 60 times better than the wave of the Nd: YAG 1064 nm laser).

Endovenous laser treatment of perforating veins

The endovenous technique enables to occlude perforating veins under direct vision. It is faster and more effective than classical methods. Patients tolerate procedures very well and come back to normal activity very fast. According to research conducted on 1000 patients the technique is very successful. Positive results without any side effects like skin pigmentation could be observed at all patients. The procedure can be done even when a patient is on antithrombotic medications or suffers from circulatory incompetence.

Laser ulceration treatment

- **Endovenous approach:**
  
  Under fluoroscopic guidance we introduce the catheter with thin optical fiber through the feeding vein on the ulceration site. Then, the feeding vein is enlightened on its entire length. The nonreversible laser ablation leads to the vessel occlusion and speeds up the healing processes.

- **Percutaneous approach:**

  Laser light is a well-known cure for faster healing of many injuries in cases of microcirculation reduction because it stimulates cellular growth. During the procedure, the injury is radiated crosswise on low power levels with the large spot ending. The photo stimulation is highly effective in diabetic foot treatment.
Tumescence pump, Dispenser for varicose vein laser treatment

The Dispenser DP 30 is a specifically for liposuction designed tumescence infiltration pump, delivering high volume of tumescence liquid with an optimal pressure.

- Good price/performance ratio
- Easy handling with low maintenance effort
- Continuously variable and precise adjustable infiltration performance
- Delivery of tumescence liquid of up to 27 liters per hour
- Available with Vario pedal or on/off pedal
- Very fast and easy fixing of the tubing set.
- Easy cleaning of the device due to smooth-edged design

### Technical Data, Dispenser DP 30

<table>
<thead>
<tr>
<th>Type</th>
<th>Dispenser DP 30</th>
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</thead>
<tbody>
<tr>
<td>Mains voltage:</td>
<td>100/115/230 Volt at 50 – 60 Hz</td>
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<tr>
<td>Max. output power:</td>
<td>40 VA</td>
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<tr>
<td>Coolant flow rate:</td>
<td>1 – 27 l/h (450 ml/min)</td>
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<tr>
<td>Pressure:</td>
<td>2.0 bar</td>
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<tr>
<td>Width/depth/height:</td>
<td>260/250/110 mm</td>
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<tr>
<td>Weight, control unit:</td>
<td>2.5 kg</td>
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</tbody>
</table>
Radial tip fiber

single use, radial tip fiber for short and painless treatment in vein surgery
REF. 400800

- ETO sterilised, double packed
- Autramatic tip constaruction
- Standard lengthmarking on the fiber for optimum treatment control (scale with centimeter and decimeter spacing)
- SMA 905 type connections
- Standard length 3m

Introducer set for radial tip fiber

Introducer set (5F or 6F) for radial tip fiber
REF. 300806

- Puncture needle Ø1,25 (18G) x 75 mm
- Guidewire Ø0,89 (0,35") x 450 mm
- Dilatator Ø2,05 x 155 mm
- Sheath introducer Ø2,18x100 mm
Certificates

In order to increase customers’ satisfaction we strive to continuously improve the quality of our devices. Having always in mind issues of safety and comfort of use, we are focused to meticulously verify our suppliers services, and monitor individual phases of the design, manufacturing and finally sales and service.

The most important tool for implementation of complex projects in Metrum Cryoflex is Quality Management System, which is continuously improved. In 2004 we have obtained a certificate for compliance with ISO 13485.

Confirmation of the high effectiveness of our quality activities are semi-annual internal audits conducted by the Quality Department, and annual audits by certified TÜV NORD Unit.

Our external auditor TÜV NORD Poland belongs to the German TÜV NORD Group and is a leading and internationally recognized body involved in the certification of medical equipment manufacturers.
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Medical devices quality management system ISO13485:2012