

## Varicose veins

### Facts on your leg vein problem

#### Are your legs partly disfigured by nodules or swollen blue vein lines?

Do you belong to the 10% of the population that suffers from nodules or painful, unsightly leg contours? If you can answer "Yes", you most probably suffer from varicose veins.

#### What are varicose veins?

Varicose veins are the permanent swelling of the superficial leg veins.

#### How do varicose veins develop?

Varicose veins are the result of malfunctioning valves in the leg veins. These valves open to allow blood to flow upwards towards the heart, and close to avoid flow the opposite way. When they do not close properly, there is a pressure increase in the veins, causing them to swell and the blood to stagnate.

#### Where do varicose veins come from?

In many cases family disposition plays a role in the development of vein problems. Other causes are overweight or hormonal changes such as pregnancy or the menopause. Varicose veins may also result from professions mainly performed while seated or standing up.

#### How can varicose veins be treated?

Varicose veins are conventionally removed by means of surgical procedures. These invasive interventions have to be performed in hospital and immobilize the patient for several days. A gentle, effective and minimally invasive alternative to the conventional method is the MULTIDIODE ENDO™ laser treatment. The latter is an out-patient procedure under local anesthesia with no patient downtime.



Manufacturer:

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Clinic:

## Reshape your legs

Relief from nodules and swelling

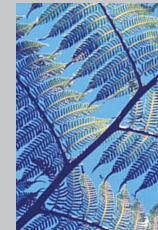
#### Advantages of the MULTIDIODE ENDO™ laser for varicose veins

- No hospitalization required
- Ambulatory treatment
- Minimally invasive
- Local anesthesia
- Safe & effective

Vascular Medicine

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Distributor:

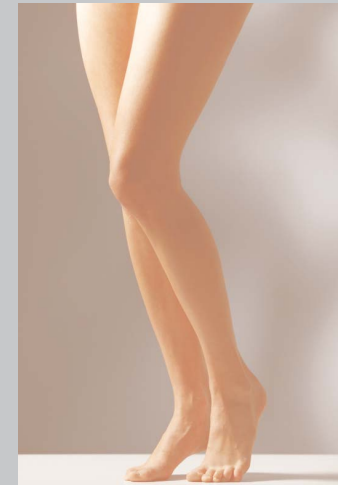


- No post-operative pain
- No downtime or bed confinement
- No reported side effects

## Reshape your legs

Relief from nodules and swelling

#### MULTIDIODE ENDO™ laser for varicose veins



appointed to natural perfection

High-tech for your health  
MULTIDIODE ENDO™ laser

What is the MULTIDIODE ENDO™ laser?

It is NOT just some other kind of laser, but a vascular treatment system, comprising the most advanced and safest laser technology for gentle and efficient treatment of varicose veins.

What kind of treatment can the MULTIDIODE ENDO™ laser perform?

The MULTIDIODE ENDO™ laser is optimized for the minimally invasive endovenous treatment of varicose veins.

How does the MULTIDIODE ENDO™ laser work?

Laser systems generate light and highly concentrate it on one spot. Thus a ray of high density is produced: the beam.

The MULTIDIODE ENDO™ laser optimizes this beam to a length and duration ideal for the treatment of veins.



Before

After

Courtesy of:  
Dr Giovanni Dompé - Rome / Italy

Inside the greater saphenous leg veins, the mainly affected veins, the light produces heat that occludes them.

The vein treatment alternative  
MULTIDIODE ENDO™ laser

How is the MULTIDIODE ENDO™ laser method performed?

A very fine, flexible laser fiber is inserted directly into the malfunctioning vein under local anesthesia.

No large cut is necessary for the insertion, only a small incision of 2-3mm as entry point.

The fiber is then guided under visual control (ultrasound or transillumination) to the optimal treatment position.

After positioning the fiber, the MULTIDIODE ENDO™ laser is activated for energy pulses of 4-5 seconds as the fiber is slowly withdrawn.



Before

After

Courtesy of:  
Dr Giovanni Dompé - Rome / Italy

The applied laser energy occludes the treated vein which subsequently shrinks. This results in the disappearance of the varicose veins.

The gentle varicose vein solution  
MULTIDIODE ENDO™ laser

Does the MULTIDIODE ENDO™ laser method cause any discomfort or side effects?

In expert hands the MULTIDIODE ENDO™ laser treatment is safe and highly effective.

The patient suffers no pain during or after the intervention and is able to resume his daily activities immediately afterwards. Neither hospitalization, nor bed confinement are required.

Side effects such as thrombosis, bruising, paresthesia or skin lesions have not been reported.

There are however some general exclusion criteria for this treatment method. They are:

- Pregnancy
- A history of deep venous thrombosis
- Arterial occlusive disease
- Serious illness



Before

After

Courtesy of:  
Dr Giovanni Dompé - Rome / Italy

Please ask your physician for more details on the suitability of the gentle MULTIDIODE ENDO™ laser treatment for your specific leg vein problem.