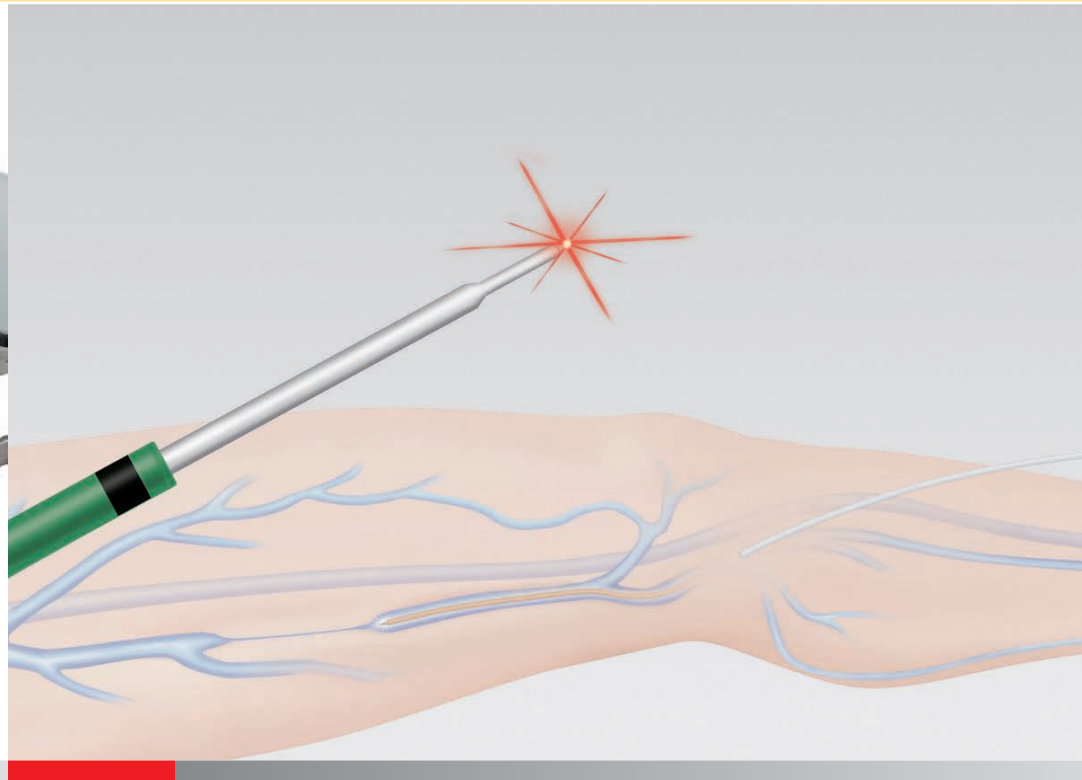


Laser

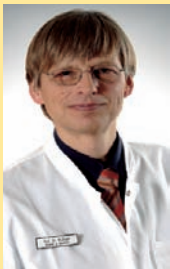


VENEX®

KLS MARTIN APPLICATOR SYSTEM
FOR ENDOVENOUS LASER OCCLUSION

- User-friendly
- Flexible
- Precise
- Compatible

KLS Martin VENEX® System for EVLO (EndoVenous Laser Occlusion)



“Endovenous laser occlusion (EVLO) provides an excellent alternative to conventional surgical techniques. As this minimally invasive procedure can be performed under local anesthesia, it can be used even for multimorbid patients.”

*Prof. Michael Jünger, Director of the Dermatological Hospital,
Ernst Moritz Arndt University of Greifswald (Germany)*

Varicosis (or varices or varicose veins, as the condition is called as well) designates a venous disease that affects every fifth male and every fourth female of the adult population.* Valve insufficiency in the superficial venous system or in perforant veins leads to “blow-out” (knotty thickening) in the great or small saphenous vein.

In the conventional technique, when using the so-called “stripping”, the varices are separated from the smaller lateral branch veins in a first step before they are pulled out with the Babcock probe in a second step.

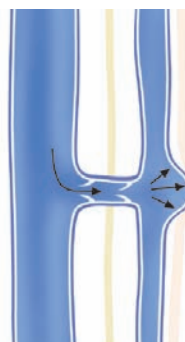
If the condition is ignored and left untreated, varicosis can lead to severe complications such as edemas, stasis dermatosis, thrombophlebitis, eczemas or even varicose ulcers (“ulcerated legs”).



Healthy vein

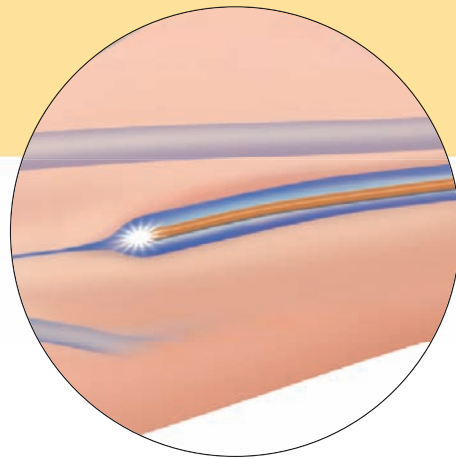
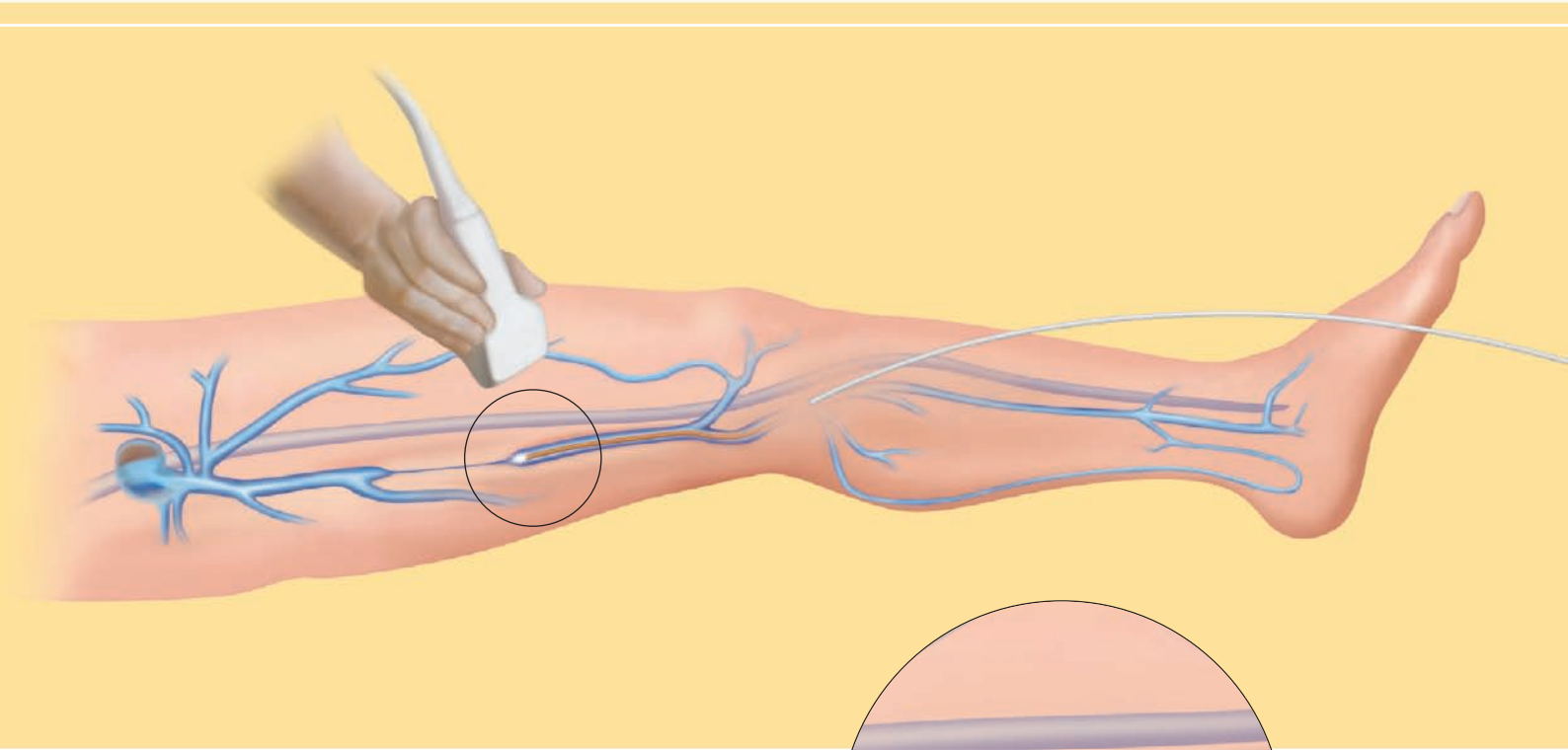


Vein with insufficient valves



Insufficient perforant vein

* Bonner Venenstudie (Bonn Venous Study), Bonn, 2003



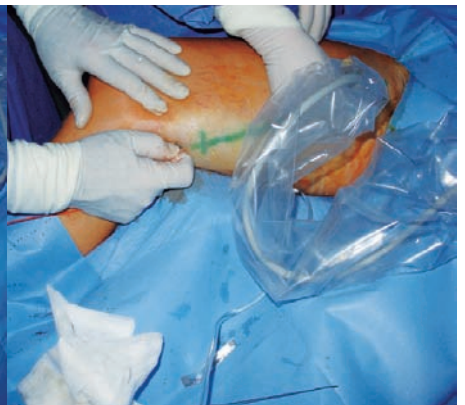
With EVLO (endovenous laser occlusion), KLS Martin offers a minimally invasive technique for use on an outpatient basis. It utilizes the energy of the laser beam to close the affected veins, thus preventing pathologic reflux.



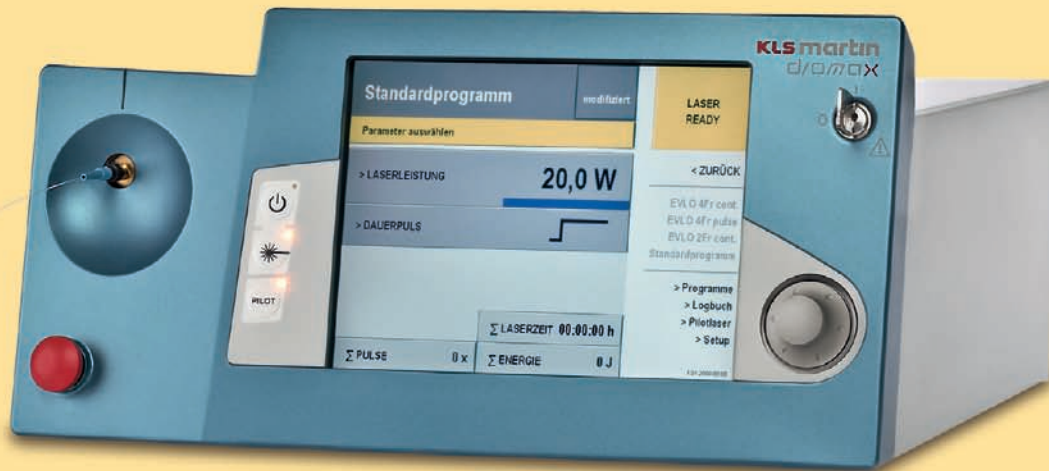
Puncturing the saphenous vein



Introducing the laser fiber



Occluding the vein with laser energy

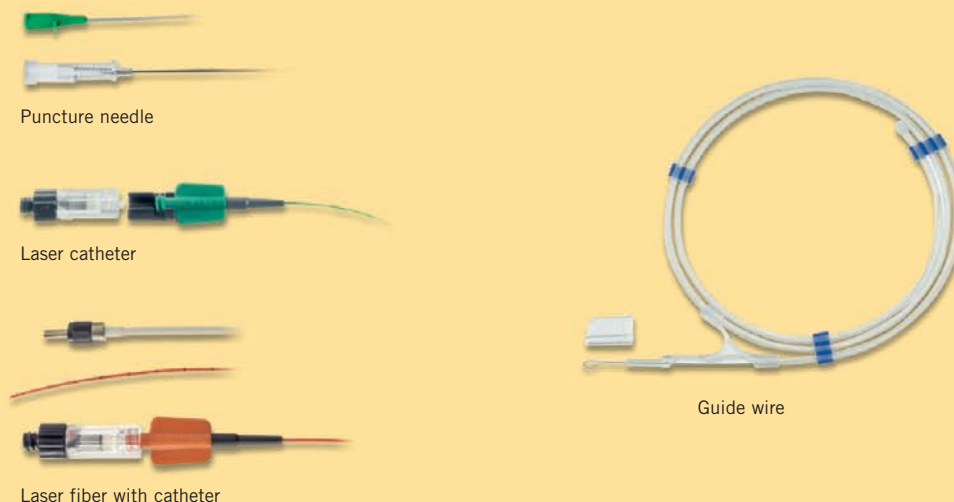


diomax® diode laser with VENEX® application set

EVLO Advantages:

- Minimally invasive therapy on outpatient basis
- Very small puncture incision, therefore low risk of scar formation
- Intervention under local anesthesia
- Significantly less swelling compared with stripping
- Fast and cost-effective treatment
- Reduced risk of postoperative hemorrhages
- Lower recurrence rate

The VENEX® System Components



The VENEX® System Components

VENEX® fiber set 1 Item no. 79-380-01	Lateral branch veins and perforant veins Max. treatment length 30 cm	2-Fr, 30-cm catheter 300 µm, 3-m laser fiber Power coupled into fiber: 20 W
VENEX® fiber set 2 Item no. 79-380-02	Small saphenous vein Great saphenous vein Max. treatment length 60 cm	4-Fr catheter, 60-cm catheter 400 µm, 3-m laser fiber Power coupled into fiber: 20 W
VENEX® fiber set 3 Item no. 79-380-03	Small saphenous vein Great saphenous vein Max. treatment length 100 cm	4-Fr catheter, 100-cm catheter 400 µm, 3-m laser fiber Power coupled into fiber: 20 W

Advantages of the VENEX® Application Set

- Three different VENEX® fiber sets available for different applications
- Extremely thin catheters and laser fibers for “soft” treatment of saphenous veins as well as lateral branches and perforant veins
- Reliable sonographic catheter position control due to special laser engraving
- Compatible with KLS Martin’s diomax® and MY 40 Nd:YAG lasers
- Loss-free coupling-in of maximum output of 20 W, irrespective of fiber diameter

KLS Martin Group

Karl Leibinger GmbH & Co. KG

78570 Mühlheim
Germany
Tel. +49 74 63 838-0
info@klsmartin.com

Stuckenbrock Medizintechnik GmbH

78532 Tuttlingen
Germany
Tel. +49 74 61 16 11 14
verwaltung@stuckenbrock.de

KLS Martin GmbH & Co. KG

79224 Umkirch
Germany
Tel. +49 76 65 98 02-0
info@klsmartin.com

Rudolf Buck GmbH

78570 Mühlheim
Germany
Tel. +49 74 63 99 516-30
info@klsmartin.com

KLS Martin France SARL

68000 Colmar
France
Tel. +33 3 89 21 66 01
france@klsmartin.com

Martin Italia S.r.l.

20059 Vimercate (MB)
Italy
Tel. +39 039 605 67 31
italia@klsmartin.com

Martin Nederland/Marned B.V.

1270 AG Huizen
The Netherlands
Tel. +31 35 523 45 38
nederland@klsmartin.com

Nippon Martin K.K.

Osaka 541-0046
Japan
Tel. +81 6 62 28 90 75
nippon@klsmartin.com

Gebrüder Martin GmbH & Co. KG

Representative Office
121471 Moscow
Russia
Tel. +7 (499) 792-76-19
russia@klsmartin.com

KLS Martin L.P.

Jacksonville, FL 32246
USA
Office phone +1 904 641 77 46
usa@klsmartin.com

Orthosurgical Implants Inc.

Miami, FL 33186
USA
Office phone +1 877 969 45 45
sales@orthosurgical.com

Gebrüder Martin GmbH & Co. KG

A company of the KLS Martin Group
Ludwigstaler Str. 132 · D-78532 Tuttlingen
Postfach 60 · D-78501 Tuttlingen
Tel. +49 7461 706-0 · Fax +49 7461 706-193
info@klsmartin.com · www.klsmartin.com