Venefit™ procedure:
Endothermal treatment of varicose veins with the ClosureFast™ catheter

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Disclosure

Dr. Martin Mory, Sindelfingen/Germany

I have the following potential conflicts of interest to report:

- Consulting Covidien
  - I do not have any potential conflict of interest
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Definition

Endovenous Radiofrequency-powered Segmental Thermal Ablation (RSTA)
Components and principles

- ClosureFast™ catheter with 7 or 3 cm long distal heating element with temperature probe
- Radiofrequency powered (460 kHz)
- 120°C heating over a 20-second cycle
- Feed back controlled

→ well defined procedure!
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Effect

Shrinking and obliteration of the vein
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Indications and limitations

Indications

 Reflux in great or small saphenous vein
 Guidelines for varicose vein treatment (SVS/AVF, NICE e.g.)

Limitations

 Vein diameter < 2 mm and > 15 mm
 Vein located close to the skin (< 10 mm)
 kinking of the vein or thrombus
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Complications

- phlebitis
- paraesthesia (mainly temporary)
- hyperpigmentation
- hematoma
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Summary

- safe and effective
- reduced morbidity and less pain compared to open surgery
- reduced convalescence
- highly standardized
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Guidelines

The care of patients with varicose veins and associated chronic venous diseases: Clinical practice guidelines of the Society for Vascular Surgery and the American Venous Forum

SVS/AVF 2011

→ Endovenous thermal ablation first line therapy
→ recommended over open surgery, foam sclerotherapy or compression therapy
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Preparation and treatment

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Procedure

- Preparation and access

**Equipment:**
- 17G access needle
- 0.035” wire
- 7 french sheath
- sterile duplex cover
- ClosureFast™ cath
- 0.025” guidewire
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Procedure

- Position catheter

marker every 6.5 cm
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Procedure

- Tumescent fluid infiltration

Saline solution with local anesthetics
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Procedure

- Treatment from proximal to distal

Trendelenburg position and external compression!
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Recorded case

Operator: M. Mory

Clinical data: male 45y
C2 varicosity right leg, CVI II (Widmer) and history of superficial vein thrombosis

Preoperativ duplex: reflux in the right great saphenous vein down to below the knee with incompetent perforators and side branches
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Recorded case
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Thank you very much for your attention!

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