

Marianne De Maeseneer MD PhD Erasmus MC, Rotterdam, Netherlands



JANUARY 23-25 2020

MARRIOTT RIVE GAUCHE & CONFERENCE CENTER | PARIS | FRANCE

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Disclosure

Speaker name:

Marianne De Maeseneer

I have the following potential conflicts of interest to report:

Consulting

Employment in industry

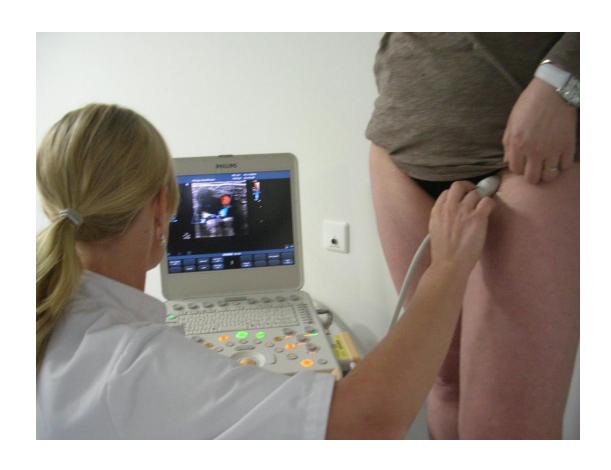
Shareholder in a healthcare company

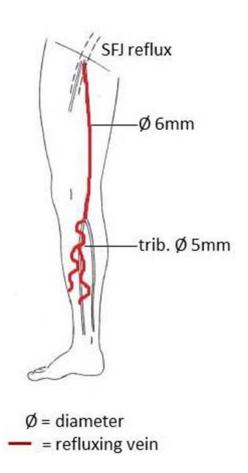
Owner of a healthcare company

Other(s)

x I do not have any potential conflict of interest

Preoperative duplex mapping





Local tumescent anesthesia

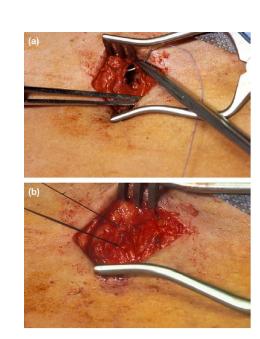


- 'Klein' solution or variations of buffered saline solution^{1,2}
- isotonic NaHCO3
- used in several RCTs 'modern' surgery
 - 4-arm trial (Rasmussen)
 - RCT EVLA vs surgery (Rass)
 - RCT high vs low ligation (Casoni)

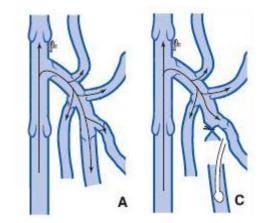
High ligation

A B

- ligation of tributaries (resorbable)
- flush ligation at the saphenofemoral junction (non-resorbable)
- measures to contain neovascularisation:
 - closure of the cribriform fascia¹
 - invaginating suture of GSV stump^{2,3}
 - (complete stump resection⁴)
 - PTFE patch saphenoplasty⁵



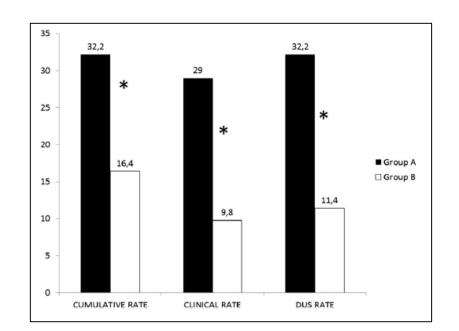
Alternative: low ligation

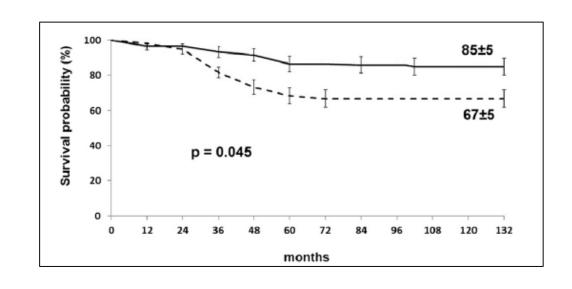


Great saphenous vein surgery without high ligation of the saphenofemoral junction

Paolo Casoni, MD, a,b Marc Lefebvre-Vilardebo, MD, Fabio Villa, MD, and Piero Corona, MD, e,c Parma, Italy; Marbella, Spain; and Paris, France

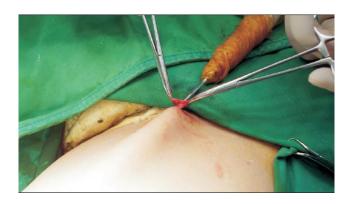
(J Vasc Surg 2013;58:173-8.)





Stripping

- usually above knee part of GSV to just below the knee
- invaginating
- ligate important tributaries in the thigh ↔ haematoma
- retrograde / antegrade
- cryostripping



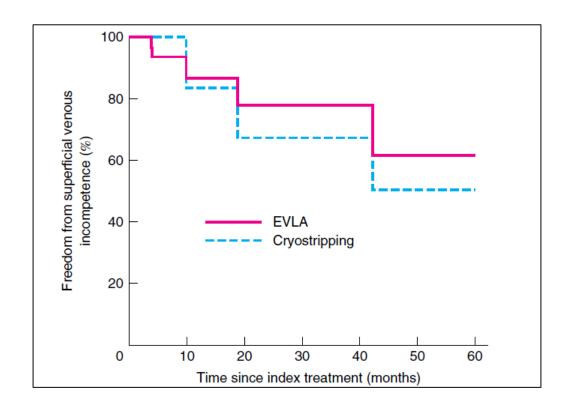




Five-year results of a randomized clinical trial comparing endovenous laser ablation with cryostripping for great saphenous varicose veins

B. C. V. M. Disselhoff¹, D. J. der Kinderen², J. C. Kelder³ and F. L. Moll⁴

British Journal of Surgery 2011; 98: 1107-1111



Phlebectomies

- preoperative marking
- duplex mapping:
 - to detect important connections with main saphenous trunk or perforating vein
 - to mark veins 'ultrasound-guided'



Phlebectomies

- local tumescent anesthesia
- mini-incisions: surgical blade (n° 11) or needle (18 g)
- phlebectomy hooks:



Phlebectomy hooks:

Muller





Oesch

Varady





Ramelet

Phlebectomies – an art

- be 'gentle' and patient
- use a 'non touch' technique for the skin
- ligate important connections

most important: ENJOY!



End of the procedure

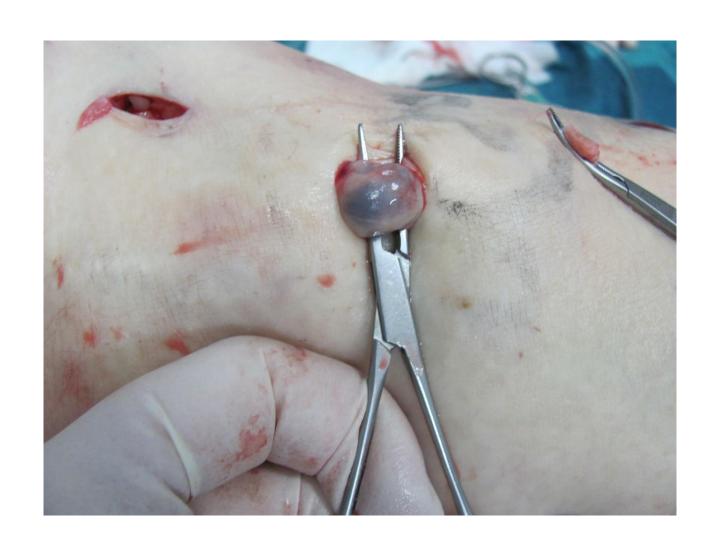




Ultrasound-guided phlebectomy

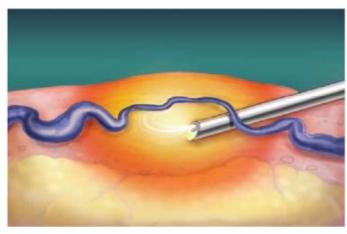


Phlebectomy of thrombosed varix



Transilluminated powered phlebectomy?







- 1. irrigation illuminator device
- 2. powered resector rotation in oscillating fashion suction

Treatment Outcomes and Lessons Learned From Transilluminated Powered Phlebectomy for Varicose Veins in 1034 Patients

Vascular and Endovascular Surgery 2016, Vol. 50(4) 277-282 © The Author(s) 2016 Reprints and permission: sagepub.com/journalsPermissions.nav DOI: 10.1177/1538574416644525 ves.sagepub.com

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Peter H. Lin, MD^{1,2}, Jesus M. Matos, MD¹, Aaron Chen, BS¹, Walter Kim, BS², Mun J. Poi, MD¹, Jenny S. Jiang, PA¹, and Carlos F. Bechara, MD³

- minimal number of incisions
- highly effective
- high patient satisfaction
- learning curve
- complications:

Treatment Outcomes and Lessons Learned From Transilluminated Powered Phlebectomy for Varicose Veins in 1034 Patients

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Complications

Hematoma at 2 weeks	(68 (5.8%)
Ecchymosis at 2 weeks	384 (32.9%)
Saphenous neuropathy at 6 weeks	4 (0.3%)
Residual veins	65 (5.6%)
Cellulitis	12 (1.0%)
Skin pigmentation	22 (1.9%)
Skin perforation	(13 (1.1%)
Deep vein thrombosis	0
Postoperative mortality	0









11th



HANDS-ON WORKSHOP on VENOUS DISEASE

Holiday Inn, Porto, Portugal

29-31 Oct, 2020

www.evfvip.com