

VEITH SYMPOSIUM

Would Treatment Of The Whole Length Of The GSV Reduce Recurrence And Reinterventions?

Professor Alun H Davies
 Professor of Vascular Surgery & Honorary Consultant Surgeon
 NIHR Senior Investigator

IMPERIAL **NIHR** National Institute for Health and Care Research



NICE
 National Institute for Health and Care Excellence

esvs

American Venous Forum
 Promoting venous care lymphatic health

For people with confirmed varicose veins and truncal reflux:

- Offer endothermal ablation (radiofrequency ablation or endovenous laser ablation).
- If endothermal ablation is unsuitable, offer ultrasound-guided foam sclerotherapy.
- If ultrasound-guided foam sclerotherapy is unsuitable, offer surgery.

For patients with great saphenous vein incompetence requiring treatment, endovenous thermal ablation is recommended as first choice treatment, in preference to high ligation/stripping and ultrasound guided foam sclerotherapy.

For the moment, RCT data looking at feasibility, safety, and long term results of EVLA (flush EVLA) are still lacking

4.1.1. For patients with symptomatic varicose veins and axial reflux in the GSV, who are candidates for intervention, we recommend treatment with endovenous ablation over high ligation and stripping (HL&S) of the GSV.

5.2.5. In patients with reflux in the below-knee GSV, ablation to the lowest point of reflux resulted in better early outcome. Nonthermal techniques are preferred for ablation of refluxing distal calf saphenous veins to avoid thermal nerve injury.

MEETING REPORT

Recurrent varices after surgery (REVAS), a consensus document

Michel R. Perron*, J. Jerome Guen, C. Vaughan Ruskey, Ralph G. Gefrino, John P. Boyle, So Dhaif, Philippe Hecchi, Georges Janse and the REVAS group, France

Factors predisposing to recurrence, recommendations for primary prevention

Factors of recurrence

1. Recurrence from inadequate or incomplete initial treatment:
 - (A) tactical error: failure to adequately identify initial pathology;
 - (B) technical error: failure to carry out technically adequate primary treatment;
 - (C) incomplete: failure to complete the primary plan of treatment.
2. Recurrence from evolution or progression of varicose disease.

Pathogenesis and etiology of recurrent varicose veins

Marcus Brake, MBBS, BSc, Chung S. Lim, MRCS, PhD, Amanda C. Shepherd, MRCS, MD, Joseph Skubnow, MRCS, PhD, and Alan H. Davies, DM, FRCS, London, United Kingdom

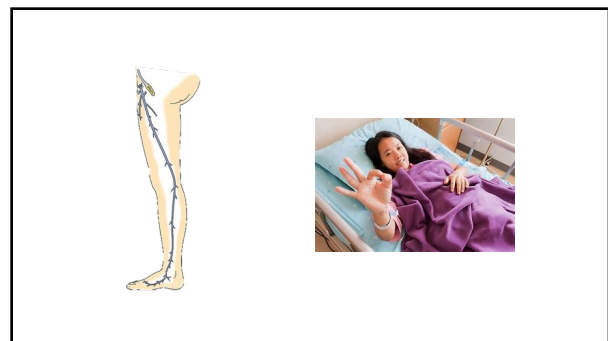
Cause	Explanation
Tactical error	The persistence of venous reflux in a saphenous trunk resulting from omission or inadequate preoperative evaluation and inappropriate surgery
Technical error	The persistence of venous reflux due to inadequate or incomplete surgical technique
Disease progression	As a result of the natural history and evolution of the disease
Neovascularization	The presence of reflux in previously ligated saphenofemoral junctions cause by development of this incompetent venous valve linked with a high venosity

Conclusions: Recurrence remains poorly understood following treatment of varicose veins. Neovascularization is an established and common cause of RVV, although other factors may contribute. (J Vasc Surg 2013;57:860-8.)

Recurrence of varicose veins after endovenous ablation of the great saphenous vein in randomized trials

Thomas F. O'Donnell, MD, Eshan M. Bulb, MD, MPH, Meghan Dermody, MD, MS, Erica Tangney, BA, and Mark D. Laffrati, MD, Boston, Mass

Conclusions: There is no difference in the incidence of REVAS for EVA vs L&S, but the causes of REVAS are different with L&S, which has important implications for treatment. (J Vasc Surg: Venous and Lym Dis 2016;4:97-105.)




Original Article

Phlebology

The anterior saphenous vein. Part 4. Clinical and technical considerations in treatment.

Endorsed by the American Vein and Lymphatic Society, the American Venous Forum, and the International Union of Phlebology

Edward M Boyle¹, Rachel Drgustin¹, Nicos Labropoulos², Alberto Caggiati³, Antonino Gasparis⁴, Susat Degancic⁵ and Mark Meisner⁶



Abstract
Background: The decision to treat a refluxing anterior saphenous vein (ASV) should be a clinical decision based on the assessment on the ASV's contribution to patient's signs and symptoms. Once the decision to treat has been made, there are anatomic, clinical, and technical considerations in treatment planning.
Methods: Clinical scenarios were discussed by a panel of experts and common anatomic, clinical, and technical considerations were identified.
Results: There are unique clinical considerations such as whether both the great saphenous vein (GSV) and ASV should be concurrently treated. If a normal ASV should be treated when treating a refluxing GSV, the ASV should be treated with the associated tributary venous collaterals, being aware of the anatomic, clinical, and technical considerations above development of a treatment plan that optimizes long-term outcomes in patients with ASV reflux.
Conclusions: Ultimately, the treatment plan should be tailored to address these types of variables in a patient centered discussion.


Treat normal vein?

Original Article

Phlebology

Safety of synchronous prophylactic ablation of the anterior saphenous vein in patients undergoing great saphenous vein thermal ablation— 6 months follow-up data of the SYNCHRONOUS study

Carmen K Dietrich¹, Tobias Hirsch², Karsten Hartmann³, Thomas Mattauch⁴, Hans-Christian Wenzel⁵, Philipp Zollmann⁶, Jürgen Veltman⁷, Thomas K Weiler⁸, Guido Lenglinger⁹, Lars Müller¹⁰, Markus Sticker¹¹, Felicitas Panzer¹², Lorenz Uhlmann¹³ and Christine Müller-Christmann¹⁴



Abstract
Background: The SYNCHRONOUS-study investigates simultaneous ASV-ablation with great saphenous vein (GSV) treatment in endovenous laser ablation (EVA) for preventing varicose vein recurrence. This sub-study examines complication rates associated with prophylactic ASV-ablation.
Methods: Among 1173 patients with refluxing GSV, 604 underwent GSV-ablation only, and 569 received additional ASV-ablation. Complication rates were compared over 6 months.
Results: Approximately 90% of patients were complication-free with minor bruising and dysesthesia being most common complications. After 6 months, additional prophylactic ASV-ablation did not increase the rate of complications compared to GSV-only treatment.
Conclusions: The 6-months follow-up data suggests that prophylactic ASV-closure, alongside GSV-treatment, is safe, with similar complication rates to GSV-only EVA.

Watch this space?

Below the knee?

Extended EVA (both above and below knee):
- Improved patient reported symptoms
- Improved Aberdeen Varicose Vein Severity score
- Reduced rates of varicose vein recurrence

Endovenous laser treatment of incompetent below-knee great saphenous veins

Paul E Timperman¹

Affiliations + expand
PMD: 18057283 DOI: 10.1016/j.jvs.2007.07.029

Randomized Controlled Trial | J Vasc Surg. 2008 Jul;48(1):173-8. doi: 10.1016/j.jvs.2008.01.062. Epub 2008 Apr 26.

Endovenous laser ablation: does standard above-knee great saphenous vein ablation provide optimum results in patients with both above- and below-knee reflux? A randomized controlled trial

Nadereh S Thevacum¹, Demos Dellagrammatikas, Andrew D Mavor, Michael J Gough

J Vasc Surg Venous Lymphat Disord. 2014 Oct;24(9):397-402. doi: 10.1016/j.jvs.2014.04.004. Epub 2014 May 24.

Reflux in the below-knee great saphenous vein can be safely treated with endovenous ablation

Shaun M Gifford¹, Manjula Kalra², Peter Gloviczki³, Audra A Duncan⁴, Gustavo S Odeh⁵, Mark D Fleming⁶, Scott Hansen⁷, Thomas C Bower⁸

Randomized clinical trial of VNUS[®] ClosureFAST[™] radiofrequency ablation versus laser for varicose veins

A. C. Shepherd, M. S. Gohel, L. C. Brown, M. J. Menzies, M. Hamish and A. H. Davies

At 6 months 19 % of BK new reflux also 30% left with residual reflux.

The need for perforator treatment after VenaSeal and ClosureFAST endovenous saphenous vein closure in CEAP 6 limbs

Musaki M Kiguchi, MD, MBA, FACS¹, Kyle B Reynolds, MD¹, Bianca Cutler, MD, MPH, PhD¹, Ehabu Tefera, MS², Manjula Kalra, MD, FACS³, Daniel Dink, PhD⁴, Steven D. Abramowitz, MD⁵, Edward Y Woo, MD⁶, and Leigh Ann O'Barron, MD, BSN⁷, Washington, DC and Fresno, CA⁸

Treatment	Overall - 79	RFA - 68	VenaSeal - 51	P-value
Perforator reflux	54 (68)	39 (57)	15 (29)	.002
Perforator RFA	29 (37)	19 (28)	10 (19)	.268
Sclerotherapy	19 (24)	11 (16)	8 (15)	.942
Distal treatment number (%)				

A comparison of cyanoacrylate glue and radiofrequency ablation techniques in the treatment of superficial venous reflux in CEAP 6 patients

Leigh Ann O'Barron, MD, BSN¹, Kyle B Reynolds, MD¹, Manjula Kalra, MD, FACS², Bianca Cutler, MD, MPH, PhD³, Ehabu A. Tefera, MS⁴, Daniel Dink, PhD⁵, and Musaki M. Kiguchi, MD, MBA, FACS⁶, Fresno, CA⁷ and Washington, DC⁸

Retrospective

Treatment of more distal vein led to less IPVs to treat

Research Article

Factors Associated with Recurrence of Varicose Veins after Thermal Ablation: Results of The Recurrent Veins after Thermal Ablation Study

R. G. Bush¹, P. Bush², J. Flanagan³, R. Fritz⁴, T. Goetzner⁵, J. Keziarski⁶, K. McMullen⁷, and G. Zambor⁸

REVATA study n=2380

5. Conclusion

The majority of recurrences were in association with perforating veins. New AAGSV and SSV insufficiency was responsible for 40% of those patients who developed recurrent venous disease. The use of standard protocols and routine US examinations may reduce the frequency of saphenous vein recanalization after thermal ablation. New insufficiency in the unblinded GSV can be reduced by beginning thermal ablations at midcalf. In the REVATA study, laser ablation of the GSV was statistically superior to RF, using first generation devices.

Treat lower down reduces distal insufficiency

Endovenous laser ablation and foam sclerotherapy for varicose veins: does the presence of perforating vein insufficiency affect the treatment outcome?

Mert Koroğlu¹, Hüseyin Naim Eriş¹, Aykut Recep Aktay¹, Mustafa Kayan¹, Ahmet Yeşildag¹, Meltem Çetin¹, Cem Parlak², Cemil Gürses³ and Okan Akhan⁴

Better clinical outcome and lower recurrence if perforator treated

Up to the SFJ?

EVLA flush to SFJ:

- Technically feasible in most cases
- Low rates of endovenous heat-induced thrombosis
- Lower varicose vein recurrence rates

Feasibility and safety of flush endovenous laser ablation of the great saphenous vein up to the saphenofemoral junction

Luca Spinetti¹, Hans Stricker², Hak-Hong Keo³, Daniel Staub⁴, Heiko Utzherl⁵

Lower prevalence of stump reflux after endovenous laser flush ablation of the great saphenous vein

Jurij Ritz¹, Udo Mautner¹, Eberhard Rabe², Arnold Kadic¹, Sandra Prave¹, Peter Vignato¹, Ino Brunenicks¹, Felicitas Panjer²

Feasibility and potential significance of prophylactic ablation of the major ascending tributaries in endovenous laser ablation (EVLA) of the great saphenous vein: A case series

Lars Müller¹, Jens Ahm¹

In 2024 should we consider treating hemodynamically normal veins to reduce varicose vein recurrence/re-intervention?

I AM A BEAR OF VERY LITTLE BRAIN, AND LONG WORDS BOTHER ME.

Winnie-the-Pooh
fictional bear created by A. A. Milne

QuoteHD.com

Thank you

IMPERIAL | **NIHR** National Institute for Health and Care Research