

Varicose Veins

Coordinators:

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Participating corporate partners:

BD

Medtronic

Merit Medical

RF Medical

Siemens Healthineers

There are a variety of different similar products for this procedure beyond the ones demonstrated in this session.

ClariVein.OC



- Non-tumescent
- Non-thermal
- Clinically Proven
- Reduced Pain*
- Reduced Recovery Time¹
- Fast Procedure Time*

The **ClariVein® OC** is a specialty infusion catheter with a rotating wire tip designed for the controlled 360-degree dispersion of physician-specified agents to the targeted treatment area.

* R. van Eekeren, et al. Postoperative Pain and Early Quality of Life After Radiofrequency Ablation and Mechanochemical Endovenous Ablation of Incompetent Great Saphenous Veins, *Journal of Vascular Surgery*, Volume 57 Number 2, February 2013, p. 445-450.

Medtronic solutions for lower extremity varices



ClosureFast™

Proven procedure

Proven in millions of patients¹, the ClosureFast™ RFA system is **now available in 6F**, for better flexibility and easier navigation, even in tortuous veins²⁻³.

VenaSeal™

Reach new lengths

Treat more diseased vein with the VenaSeal™ Closure System. The VenaSeal™ Closure System delivers immediate and lasting vein closure with its proprietary medical adhesive formula, with a demonstrated **94.6% closure rate at 5 years**.³⁻⁷



1. ClosureFast Procedures. Medtronic data on file, 2022
2. Compared to ClosureFast 7F catheter and VenClose™ catheter in bench testing.
3. Bench test data on file at Medtronic. N = 15 VenClose™ catheters and 30 each ClosureFast
4. Morrison N, Gibson K, McEnroe S, et al. Randomized trial comparing cyanoacrylate embolization and radiofrequency ablation for incompetent great saphenous veins (VeClose). J Vasc Surg. April 2015;61(4):985-994.
5. Proebstle T, Alm J, Dimitri S, et al. Three-year follow-up results of the prospective European Multicenter Cohort Study on Cyanoacrylate Embolization for treatment of refluxing great saphenous veins. J Vasc Surg Venous Lymphat Disord. March 2021;9(2):329-334.
6. Gibson K, Ferris B. Cyanoacrylate closure of incompetent great, small and accessory saphenous veins without the use of post-procedure compression: Initial outcomes of a post-market evaluation of the VenaSeal System (the WAVES Study). Vascular. April 2017;25(2):149-156.
7. Almeida JJ, Javier JJ, Mackay EG, Bautista C, Cher DJ, Proebstle TM. Thirty-sixth month follow-up of first-in-human use of cyanoacrylate adhesive for treatment of saphenous vein incompetence. J Vasc Surg Venous Lymphat Disord. September 2017;5(5):658-666.
8. Morrison N, Gibson K, Vasquez M, Weiss R, Jones A. Five-year extension study of patients from a randomized clinical trial (VeClose) comparing cyanoacrylate closure versus radiofrequency ablation for the treatment of incompetent great saphenous veins. J Vasc Surg Venous Lymphat Disord. November 2020;8(6):978-989.



VeinCLEAR™ An Advanced Endovenous Thermal Ablation System



RF Generator V-700

Features Specialized Modes for Varicose Vein Treatment



VeinCLEAR™ Catheters

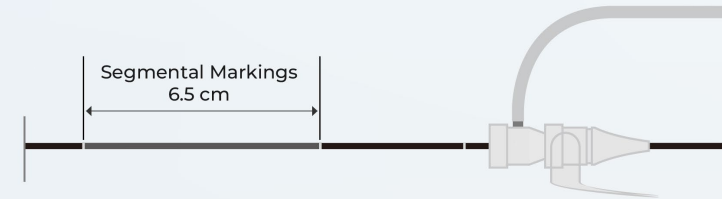
Expertly Designed for Endovenous Thermal Ablation



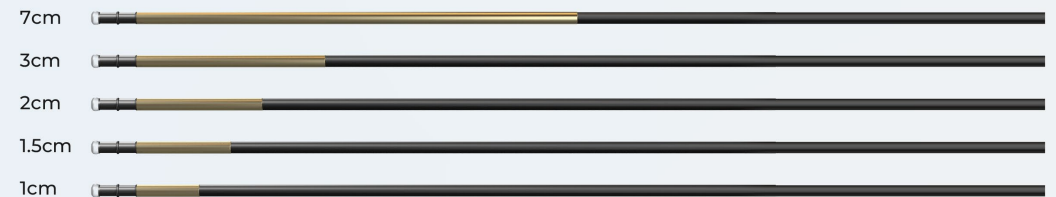
+ Available Options



+ Markings for Segmental Ablation



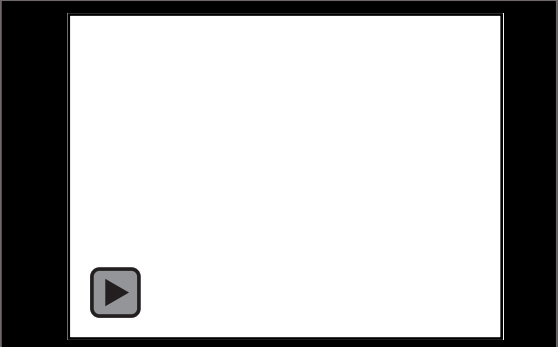
+ Heating Element Length



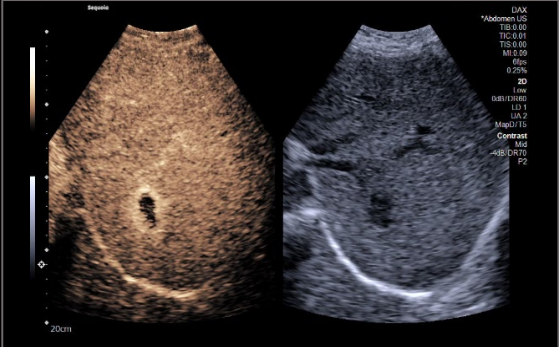
Ultrasound guidance to support the most complex interventional procedures



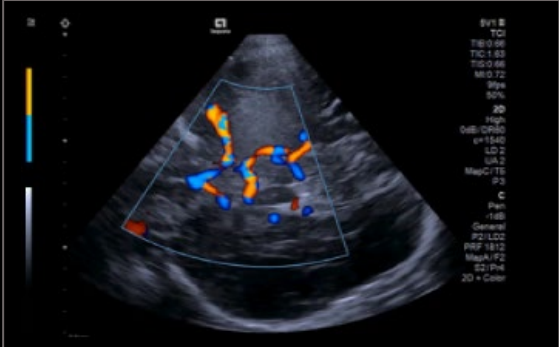
Real-time 3D Lesion segmentation on Fusion ultrasound



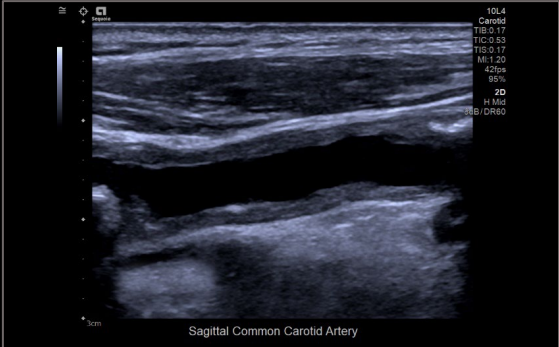
Real-time display of needle tracking and orientation



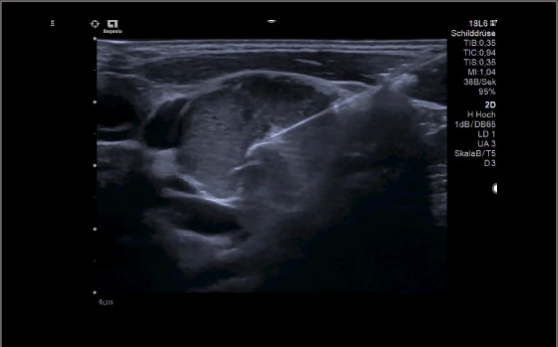
Focal liver lesion using Contrast Enhanced Ultrasound (CEUS)



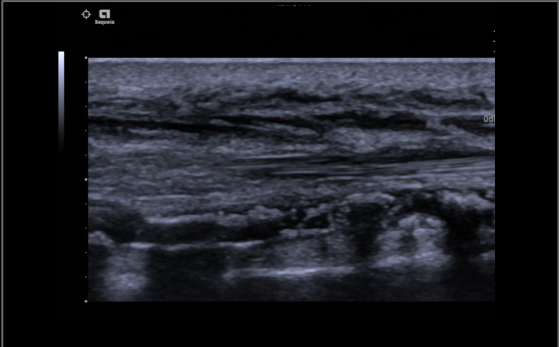
Transcranial Doppler Imaging assessment



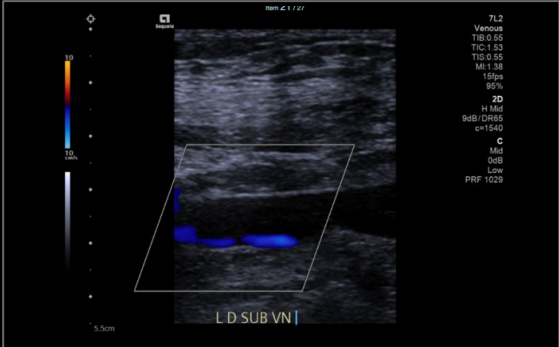
Demonstration of carotid plaque using B-mode US



Thyroid biopsy with ultrasound guidance



Arterial assessment demonstrating significant arterial calcification



Acute occlusive Deep vein thrombosis (DVT)