



ClosureFast™ Radiofrequency Ablation System

DELIVER PATENTED PERFORMANCE WITH CLOSUREFAST™ RFA SYSTEM

The **only gap-free** thermal ablation system with published long-term clinical data demonstrating safety and efficacy, with a 91.9% closure rate at 5 years.^{1,2}



Medtronic



WE'VE GOT YOU COVERED

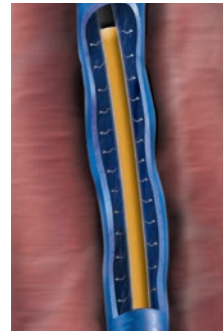
Gap-free thermal ablation

The ClosureFast™ RFA system delivers uniform heat for lasting vein closure.¹

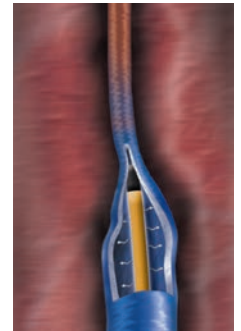
- Patented segmental procedure
- Tumescent anesthesia
- Less pain and bruising than laser energy treatment³
- Post-procedure compression stockings required¹



Disposable catheter inserted into vein



Controlled heat collapses vein

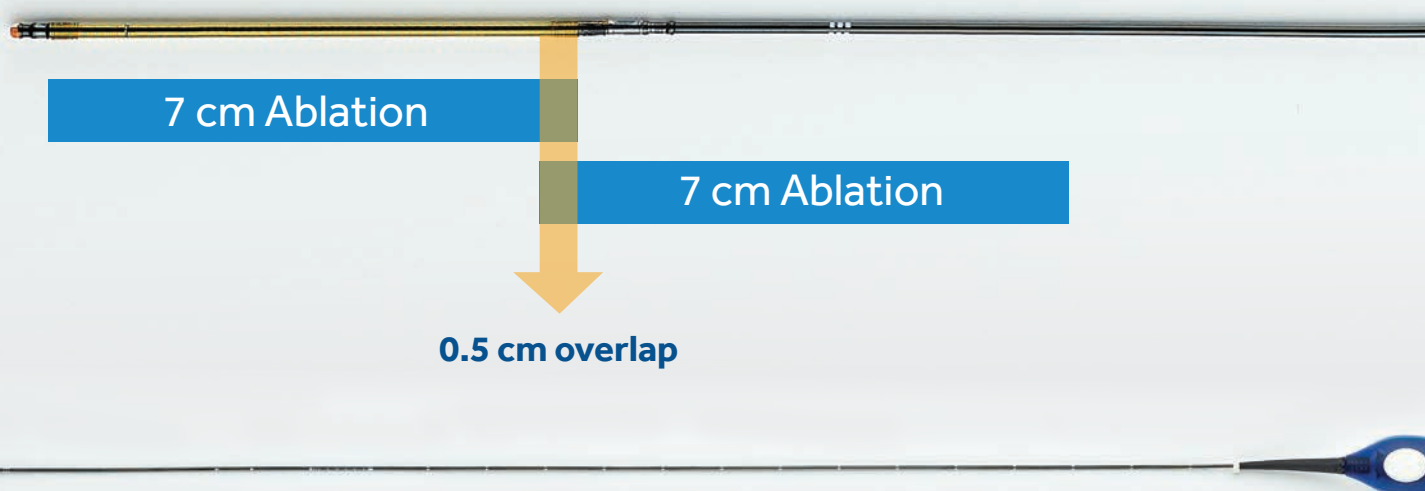


Catheter withdrawn, closing vein

Deliver lasting results with gap-free thermal ablation

The ClosureFast™ procedure features a patented overlap of 0.5 cm at each thermal treatment segment, eliminating gaps between segments — for lasting vein closure.^{1,2}

7 cm heating element overlaps the previous segment by 0.5 cm as the device is repositioned.



Note: Catheter also available with 3 cm heating element and 2.5 cm markings.

GO GAP-FREE FOR PATENTED PERFORMANCE

The ClosureFast™ procedure, with its patented overlap design, is the only RFA procedure for venous reflux with published long-term clinical data demonstrating safety and efficacy, with a 91.9% closure rate at 5 years.¹⁻⁴

PATENTED PERFORMANCE



91.9%

closure rate at 5 years¹

94.9%

reflux-free rate at 5 years¹

72%

improvement in VCSS scores at 5 years⁴

UNMATCHED EVIDENCE



250+

published articles and clinical studies⁵

2.5m+

patients treated worldwide⁶



See what the ClosureFast procedure can do for your patients

These pictures show before and after results of ClosureFast procedure treatment only.

*Individual results may vary.

Photo courtesy of Vein Institute of the North Shore, Beverly, MA.

Before



3 months after*



THE ONLY CLINICALLY PROVEN THERMAL ABLATION SYSTEM.

From the innovation leader
in venous disease treatment

Medtronic.com/closurefast

Ordering information for ClosureFast™ RFA System



Order #	Description	Working length	Heating element	Compatible guidewire
CF7-7-60	7 F ClosureFast catheter	60 cm	7 cm	0.025"
CF7-7-100	7 F ClosureFast catheter	100 cm	7 cm	0.025"
CF7-3-60	7 F ClosureFast 3 cm catheter	60 cm	3 cm	0.025"

Order #	Description	Device size	Device length	Compatible guidewire
RFS2-6-12	ClosureRFS stylet	6 F	12 cm	0.035"

Order #	Description	Voltage
RFG3	ClosureRFG Radiofrequency Generator	Universal (100-240 V)

Please review the Instructions for Use for accessories and supplies that you will need to purchase for the ClosureFast procedure.

REFERENCES

- Proebstle TM, Alm BJ, Göckeritz O, et al. Five-year results from the prospective European multicentre cohort study on radiofrequency segmental thermal ablation for incompetent great saphenous veins. *Br J Surg*. February 2015;102(3):212-218.
- ClosureFast and ClosureFast RFS Patents. Available at: <https://www.medtronic.com/content/dam/medtronic-com/global/Corporate/meaningful-innovation/documents/CVG-Patent-Marking.pdf>. Accessed July 10, 2019.
- Almeida JI, Kaufman J, Göckeritz O, et al. Radiofrequency endovenous ClosureFAST versus laser ablation for the treatment of great saphenous reflux: A multicenter, single-blinded, randomized study (RECOVERY Study). *J Vasc Interv Radiol*. June 2009;20(6):752-759.
- Morrison N. VeClose 5-year Follow-up Extension Study Results. Presented at Charing Cross 2019; London, UK.
- Medtronic ClosureFast Procedure Publications. Medtronic data on file. 2019.
- ClosureFast Radiofrequency Ablation (RFA) System patients treated. Medtronic data on file. 2019.

CLOSUREFAST™ PROCEDURE REFERENCE STATEMENT

IMPORTANT: Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device.

CAUTION: Federal (USA) law restricts these devices to sale by or on the order of a physician.

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