



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

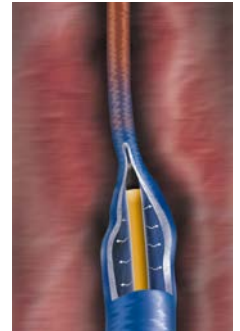
- Patented segmental procedure
- Tumescent anesthesia
- Less pain and bruising than laser energy treatment³
- Post-procedure compression stockings required¹



Disposable catheter inserted into vein



Controlled heat collapses vein

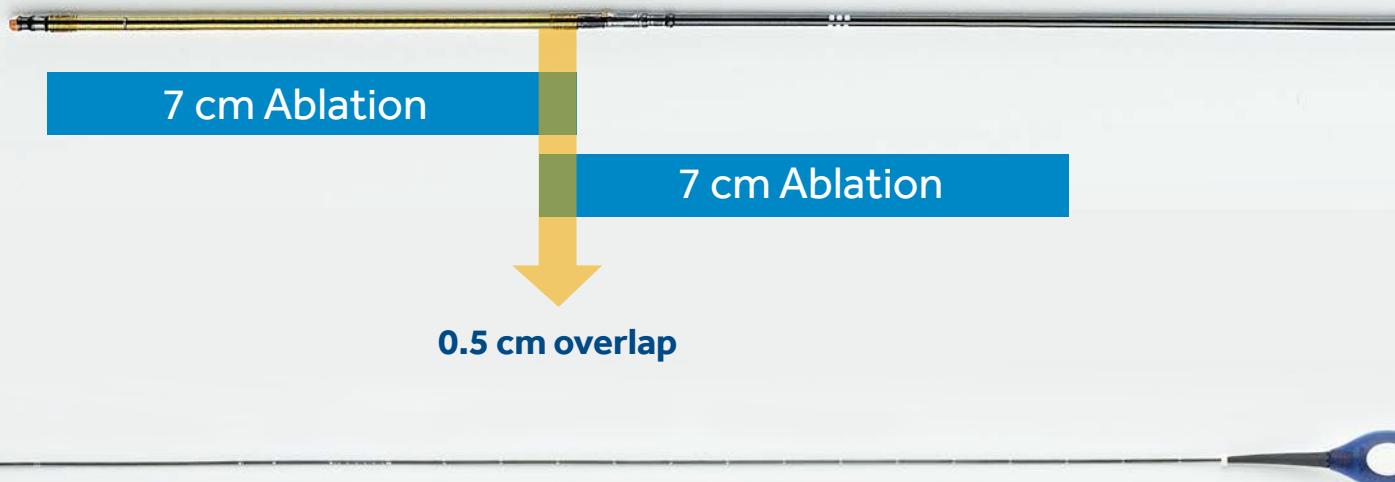


Catheter withdrawn, closing vein

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

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

- ¹ 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.
- ² ClosureFast and ClosureRFS Patents. Available at: <https://www.medtronic.com/content/dam/medtronic-com/global/Corporate/meaningful-innovation/documents/CVG-Patent-Marking.pdf>. Accessed July 10, 2019.
- ³ 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.
- ⁴ Morrison N. VeClose 5-year Follow-up Extension Study Results. Presented at Charing Cross 2019; London, UK.
- ⁵ Medtronic ClosureFast Procedure Publications. Medtronic data on file. 2019.
- ⁶ ClosureFast Radiofrequency Ablation (RFA) System patients treated. Medtronic data on file. 2019.

See the device manual for detailed information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at medtronic.eu.

Important Reminder: This information is intended only for users in markets where Medtronic products and therapies are approved or available for use as indicated within the respective product manuals. Content on specific Medtronic products and therapies is not intended for users in markets that do not have authorization for use.

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