

Chronic Venous Disease (CVD)

CVD impacts 175 million people in the United States.¹

With CVD affecting so many individuals, there is a significant and growing need within the health care system.

Healthy leg veins contain valves that open and close to assist the return of blood to the heart. Sometimes, the valves become damaged or diseased and can no longer close properly.²

While risk of CVD increases with age, it can begin as early as adolescence.³ It's important to know that visible vein disease may be more than just a cosmetic problem.^{1,4}

CVD commonly affects veins in the legs, and varicose veins

occur about 3 times more often in females than in males.²

Risk factors that contribute to CVD include: family history of varicose veins; being over the age of 50; female sex; deep vein thrombosis (DVT); history of blood clots; multiple pregnancies; obesity; smoking; and lifestyles that include long periods of standing or sitting.^{2,5}

CVD is a progressive disease, and without treatment signs and symptoms may worsen. CVD can develop into a more serious form of vein disease called chronic venous insufficiency (CVI).²

Venclose™ RF Ablation Catheter

Product Overview

The Venclose™ RF Ablation Catheter is a minimally invasive device that is intended for the closing of blood vessels in patients with superficial vein reflux.

The Venclose™ Catheter uses radiofrequency (RF) technology, which has been a venous reflux treatment option for more than 20 years. While various treatments are available for venous reflux, RF ablation has wide acceptance and is the most common approach used in the U.S.⁶ RF ablation applies heat to a refluxing vein, causing it to shrink and close. Once treatment is successfully completed, blood flow will naturally re-route towards the nearby deeper and healthier veins to return to the heart.

Patient Procedure Benefits

Because the Venclose™ Catheter Procedure is minimally invasive, it can usually be performed in a vein specialist's office in an outpatient setting.

While individual results may vary, patients can typically resume normal activities within a few days of an RF ablation procedure.⁷ Please consult with your physician prior to resuming normal activities.

RF ablation technology can potentially reduce post operative pain and bruising in patients compared to vein stripping or laser therapy treatment.⁸

While some vein catheters can be cleaned and used again on different patients, the Venclose™ Catheter is a single-use device that is only used on one patient.

References:

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7. Rasmussen LH, Lawaetz M, Bjoern L, Vennits B, Blemings A, Eklof B. Randomized clinical trial comparing endovenous laser ablation, radiofrequency ablation, foam sclerotherapy and surgical stripping for great saphenous varicose veins. *Br J Surg*. 2011;98(8):1079-1087.
8. Scovell S. Techniques for radiofrequency ablation for the treatment of lower extremity chronic venous disease. In: *UpToDate*, Post TW (Ed), UpToDate, Waltham, MA. <https://www.uptodate.com/contents/techniques-for-radiofrequency-ablation-for-the-treatment-of-lower-extremity-chronic-venous-disease>. Accessed on October 27, 2022.

The Venclose™ EVSRF Catheter is intended for endovascular coagulation of blood vessels in patients with superficial vein reflux. The Venclose™ EVSRF Catheter is contraindicated in patients with thrombus in the vein segment to be treated. Potential adverse events include but are not limited to the following: vessel perforation; skin discoloration; nerve injury; temporary sensation of tingling or pricking; blood clots; blood clots in the deep veins; infection of the veins; bruise with swelling; infection; skin burn; blood clot in lung artery; and pain. **Please consult product labels and instructions for use for indications, contraindications, hazards, warnings, and precautions.**