

# Compare Treatment Options

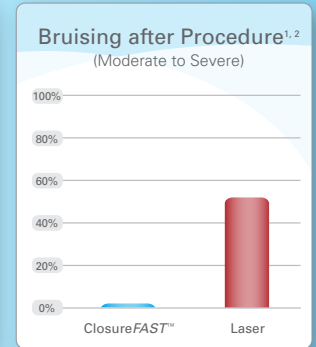
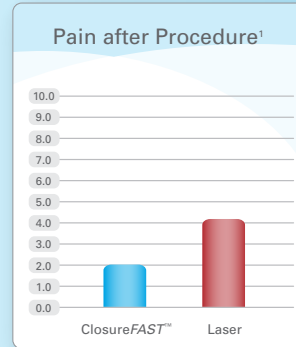
The traditional surgical approach of vein ligation and stripping has been rendered obsolete by less invasive treatment of endovenous ablation. However, not all endovenous ablation methods are the same.

In the only head-to-head trial of its kind, the ClosureFAST™ catheter showed statistical superiority over endovenous laser:

Results from the RECOVERY Trial

- **Less Limb Pain and Bruising**
- **Fewer Complications**

The ClosureFAST catheter ablates the vein in 7 cm segments with 20-sec treatment cycles, resulting in vein shrinkage and occlusion. Data from a prospective, multicenter study have shown 97.4% vein occlusion 1 year post-treatment.<sup>3</sup>



<sup>1</sup> Almeida JI. Recovery trial interim results, 34th Veith Symposium. Nov 14-18, 2007. New York

<sup>2</sup> Moderate to severe ecchymosis is defined as bruising over greater than 25% of the treated surface area

<sup>3</sup> Dietzek A. Two-Year Follow-Up Data From A Prospective, Multicenter Study Of The Efficacy Of The ClosureFAST Catheter, 35th Annual Veith Symposium. November 19, 2008. New York, NY.

➤ Please contact our practice to discuss an individualized treatment plan for your varicose vein patient.



**VNUS**  
MEDICAL TECHNOLOGIES UK LTD

**Corporate Office**

VNUS Medical Technologies, Inc.  
5799 Fontanoso Way  
San Jose, CA 95138 USA

Tel: 408-360-7200  
Fax: 408-365-8480  
www.vnus.com

THE VNUS  
**Closure**  
PROCEDURE

## Do you have patients with **varicose veins?**



If yes, your patients may suffer from venous reflux disease. Venous reflux disease is a progressive condition caused by incompetent vein valves in the leg.

➤ See what the **VNUS Closure procedure** can do for your patients



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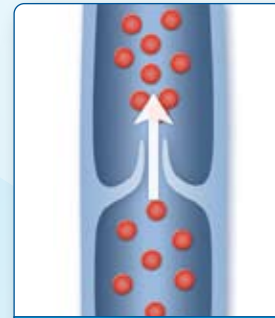


## Understanding Venous Reflux Disease

Healthy leg veins contain valves that open and close to assist the return of blood to the heart. Venous reflux disease develops when these valves become dysfunctional and allow retrograde blood flow by incomplete valve closure.

### Risk factors for venous insufficiency:

- > Family history of vein problems
- > Standing for long periods of time, such as at work
- > Multiple pregnancies
- > Frequently engaging in heavy-lifting



Healthy Vein Valves  
& Correct Blood Flow



Damaged Vein Valve  
& Incorrect Blood Flow

## Superficial venous reflux disease is progressive — symptoms can worsen over time if left untreated.

Your patients who suffer from superficial venous disease may present symptoms of:

- > Varicose veins
- > Heaviness and fatigue
- > Pain, aching, or cramping
- > Skin changes
- > Restless Legs
- > Leg or ankle swelling
- > Burning or itching of the skin
- > Ulcers

### Clinical Classifications



Varicose Veins



Swelling



Skin Changes

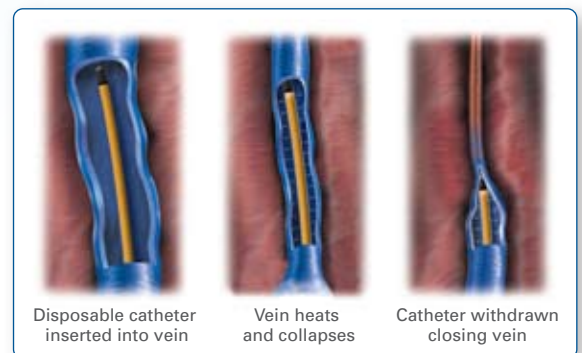


Ulcer

Photos courtesy of Rajabrata Sarkar, MD, PhD.

## About the VNUS Closure<sup>®</sup> Procedure

VNUS Closure is a minimally invasive procedure that treats varicose veins and their underlying cause, venous reflux, with little or no pain and can be performed on an outpatient basis using local anesthetic. With ultrasound, the ClosureFAST<sup>™</sup> catheter is positioned into the diseased vein through a small opening in the skin. The tiny catheter powered by radiofrequency (RF) energy delivers controlled heat to the vein wall causing the collagen in the wall to shrink and the vein to close. Once the diseased vein is closed, blood is re-routed to healthy veins. Patients who undergo the Closure procedure typically resume normal activities within a day.



Disposable catheter  
inserted into vein

Vein heats  
and collapses

Catheter withdrawn  
closing vein

**Indication:** The ClosureFAST<sup>™</sup> catheter is intended for endovascular coagulation of blood vessels in patients with superficial venous reflux.

**Contraindications:** Patients with thrombus in the vein segment to be treated.

**Potential Risks & Complications:** Potential complications include, but are not limited to, the following: vessel perforation, thrombosis, pulmonary embolism, phlebitis, hematoma, infection, adjacent nerve injury, skin burns, deep vein thrombosis.

