See and feel a difference in your legs. Relief from varicose veins is possible.

Understanding the cause

About vein disease
Healthy leg veins have valves that keep blood flowing to the heart.

Venous reflux develops when the valves stop working properly and allow blood to flow backward (i.e., reflux) and pool in the lower leg veins.

Chronic venous insufficiency
If venous reflux is left untreated, it may worsen over time and develop into a more serious form of vein disease called chronic venous insufficiency (CVI).1

CVI symptoms and risk factors

If CVI is left untreated, symptoms can worsen over time. Using ultrasound to scan your leg(s), your physician will determine if vein disease is present.

Signs and symptoms in the legs or ankles2,3
• Varicose veins
• Aching or pain
• Swelling
• Cramping
• Heaviness or tiredness
• Itching
• Restlessness
• Skin changes and/or discoloration
• Open sores or ulcers

Risk factors2
• Family history
• Lack of exercise
• Leg injury or trauma
• Prolonged sitting or standing
• Obesity or excess weight
• Current or previous pregnancies
• Smoking
• Blood clot (deep vein thrombosis)

CVI and varicose veins are more common than you think. More than 30 million people in the United States have venous reflux or the more serious disease, CVI.3

Treatment options for lasting relief

With proper treatment, the progressive symptoms of venous reflux are preventable. Your doctor can help you determine which treatment is right for you.

The VenaSeal™ procedure delivers a small amount of a specially formulated medical adhesive to close the diseased vein, rerouting blood to nearby healthy veins, which provides symptom relief.
• Simple, outpatient procedure
• No tumescent anesthesia
• Less pain and bruising than thermal ablation4,5
• Faster recovery time than thermal ablation4,1
• Compression stockings not needed after the procedure5,6

Adverse events can include allergic reaction, inflammation, phlebitis, deep vein thrombosis, and/or pulmonary embolism.

The ClosureFast™ procedure uses radiofrequency energy (heat) to close the diseased vein, which redirects blood flow to healthy veins, relieving symptoms.
• Minimally invasive outpatient procedure
• Local anesthesia along various points of the leg
• Less pain and bruising than laser treatment7
• Faster recovery time than laser treatment7
• Compression stockings needed for at least one week after procedure8

Adverse events can include nerve injury, hematoma, phlebitis, thrombosis, and/or pulmonary embolism.

References

Important:
Federal (USA) law restricts this device to sale by or on the order of a physician.

Caution:
Separate use of the individual components of the VenaSeal closure system is contraindicated when any of the following conditions exist: previous hypersensitivity reactions to the VenaSeal adhesive system, allergy to latex, history of previous skin ulcerations or open wounds, and/or any skin condition that is susceptible to the adhesive system. Separate use of the individual components of the VenaSeal closure system is contraindicated in patients who have already undergone a previous endovascular procedure with any other medical adhesive (e.g., cyanoacrylates, acute superficial thrombophlebitis, thrombophlebitis migrans, diffuse superficial thrombophlebitis, or deep vein thrombosis). Separate use of the individual components of the VenaSeal closure system is contraindicated in patients who have had a previous vascular procedure with any other medical adhesive (e.g., cyanoacrylates, acute superficial thrombophlebitis, thrombophlebitis migrans, diffuse superficial thrombophlebitis, or deep vein thrombosis).

Potential Adverse Effects of the Device on Health:
• Blood clot (deep vein thrombosis)
• Swelling
• Aching or pain
• Varicose veins
• Leg injury or trauma
• Prolonged sitting or standing
• Obesity or excess weight
• Current or previous pregnancies
• Smoking
• Blood clot (deep vein thrombosis)

Before After

Photos shown are for the ClosureFast procedure, before treatment and six weeks after treatment. Photos are illustrative of general results a patient might expect with the VenaSeal or ClosureFast procedures. Individual results may vary. Talk to your doctor about which treatment option might be right for you. Photos courtesy of Dr. Jonathan Calverte.

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Caution:
The VenaSeal™ procedure is indicated for use in adults who have a venous reflux disease in a leg vein.