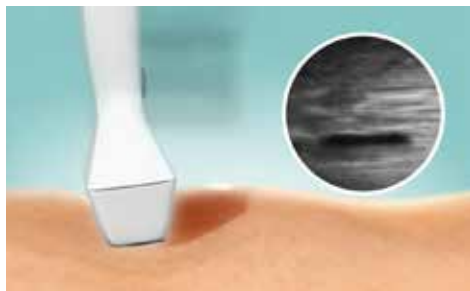


# Three Vein Treatment Options

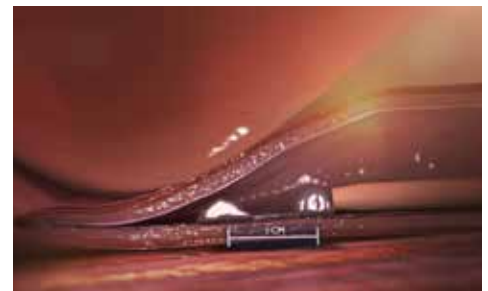
**VenaSeal™** is the latest minimally invasive treatment available for patients suffering from vein disease. It is an effective and non-invasive treatment to close your superficial varicose veins from the inside using medical-grade glue. The first FDA approved varicose vein treatment that doesn't use heat, cutting, or chemicals called sclerosants, VenaSeal is virtually pain-free, doesn't require compression stockings, and has no down-time.



Catheter Placement



External Compression



Adhesive Delivery

## What are the Benefits of VenaSeal Closure System?

- Most advanced treatment option available today
- Office procedure
- Least patient pain and least invasive with minimal discomfort
- Return to activities immediately
- No compression stockings after treatment

## How Does VenaSeal Work?

This breakthrough treatment works by delivering adhesive to seal diseased veins. It has been referred to as the "superglue" for veins. Once you have been evaluated by diagnostic ultrasound and your specialized treatment plan has been documented by your vein expert, you will be ready to schedule your VenaSeal procedure.

When you come in for your treatment, we will first prepare your leg for the procedure. We use local anesthesia before accessing the vein through a tiny incision on the skin's surface. The VenaSeal procedure is the least invasive procedure available to treat vein disease with minimal pain and discomfort.

Once the vein is accessed, we use the VenaSeal catheter and position it using ultra-sound guidance. Through the catheter, the VenaSeal adhesive is delivered to the diseased vein that needs treatment. Just as with other vein treatment, blood is then rerouted to other healthy veins.

## VenaSeal Closure System

Following the procedure, a simple bandage is placed over the insertion site, and you will be on your way to healthy and happy legs. You will likely feel immediate relief of your symptoms. Unlike other vein treatments, you will not be required to wear compression stockings after treatment.

## How Much Does VenaSeal Closure System Cost?

VenaSeal is the newest, most innovative procedure available and just recently became recognized by most insurances as a covered procedure. Each patient will be evaluated via ultrasound to determine the extent of the vein. Once an ultrasound scan has been performed to determine the extent of venous reflux in a patient's veins, we will be able to provide an estimate for VenaSeal based on the patient's individual insurance plan.

# Three Vein Treatment Options

## Radiofrequency Ablation (RFA)

Once a vein wall becomes diseased – stretched and enlarged – it can't be repaired. The valves within the walls that control the flow of blood through the vein become collateral damage. The only alternative is to re-route blood flow through healthy veins by closing the diseased veins. Rerouting the blood is done painlessly and easily, using radiofrequency energy.

### What are the Benefits of a Radiofrequency Ablation Procedure?

- Performed in a clinic setting
- Minimal pain
- Fast recovery period

There are many advantages to Radiofrequency Ablation to help patients with their symptoms and the unsightly, unhealthy varicose veins.

### How Does Radiofrequency Ablation Work?

Elite uses image-guided ultrasound to position the closure catheter into the diseased vein through a small opening in the skin. Radiofrequency (RF) energy is delivered through the catheter. The heat causes the vein walls to grow together and eventually become scar tissue, which will then be reabsorbed by the body.

Once the diseased vein is closed, blood is rerouted to other healthy veins. Following the procedure, your leg will be wrapped with a bandage, and additional compression is applied. Your vein specialist will encourage you to walk at frequent intervals immediately following your procedure. You may be instructed to refrain from prolonged standing and very strenuous activities for a short period of time.

## Sclerotherapy

Sclerotherapy is a medical procedure whereby a chemical, the sclerosant, is injected into a vein to entirely obliterate it. For patients with venous insufficiency, treatment can be beneficial by improving venous blood flow and limiting chronic swelling. For those with cosmetic complaints, their appearance can be improved.

### How Does Sclerotherapy Work?

- During the sclerotherapy procedure, a health-care professional injects chemicals into smaller veins, which damage the inner lining and produce a clot. As the clot is reabsorbed, the vessel is permanently obliterated.
- The choice of the chemical sclerosing agent and its physical form depend on the size of the vessel to be treated.
- Treatment of the correct vessels can improve the symptoms of venous insufficiency.
- Small superficial vessels are often destroyed for cosmetic reasons.

### Who is a Good Candidate for Sclerotherapy?

Those with venous insufficiency who have disease that is poorly controlled with compression stockings and who are not obese are ideal candidates for sclerotherapy. To determine if sclerotherapy obliteration is likely to be of benefit, the site of the defective vein is identified as well as the venous drainage pattern. Healthy people who complain of unsightly superficial veins of small caliber (4 mm or less) are also candidates for sclerotherapy.

This is an in office procedure and the patient can return to normal activities immediately.