

Thanks to Vein Help, my varicose veins  
are just a memory!

– HELEN C., WILMINGTON, NC

My varicose veins are gone! I'm so happy!  
My legs feel lighter, younger and full of energy!  
Dr. Mauriello is the best!

– ROBIN S., RALEIGH, NC

I've had vein treatments before, but my veins always  
came back. VeinHelp gave me the best care ever.  
I'll never trust my legs to anyone else!

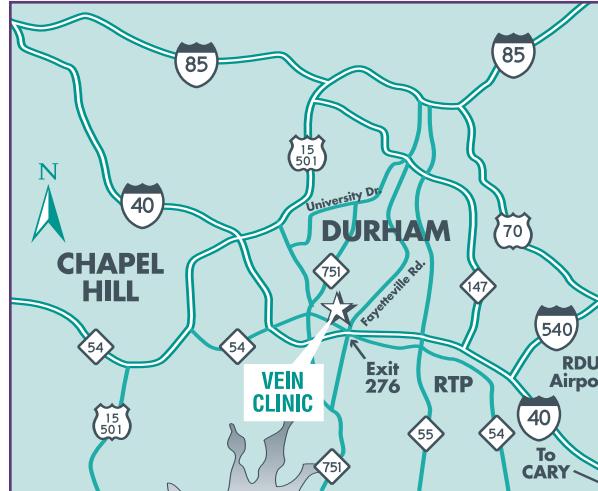
– LINDA P., FLORENCE, SC



John Mauriello, MD, FACPh. is one of the most highly respected physicians in the field of diagnosis and treatment of varicose veins. He is a Fellow and National Board member of the American College of Phlebology. Having specialized in the treatment of varicose veins for over 20 years, he's the most experienced Phlebologist in North Carolina.

He is a nationally recognized luminary in the field, and regularly lectures on the latest advanced techniques. For over 15 years, Dr. Mauriello has been teaching other physicians "how" to do vein therapy. Why trust your legs to anyone else? His skills and experience is unparalleled.

Due to his many years of experience, Dr. Mauriello knows many different techniques for treating varicose veins. This insures that the treatment you receive is especially tailored to your specific vein problems. All varicose veins are not alike, and often a combination of treatments may be required to obtain optimum results. Come in for a consultation, and get an expert opinion of your condition. Big or small, we do it all!



# VEINHELP

AT SOUTHPOINT

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# VEINHELP

AT SOUTHPOINT

North Carolina's most experienced Vein Clinic!

## GREAT LEGS!



### EXCELLENCE IN VARICOSE VEIN TREATMENT

"Varicose Veins are a medical problem.  
Don't allow yours to be treated  
as anything less."  
– John Mauriello, MD, FACPh.



NATIONAL BOARD MEMBER  
AMERICAN COLLEGE OF PHLEBOLOGY

# SPIDER VEINS



## What are spider veins?

Spider veins are abnormally dilated blood vessels in the skin. They usually appear on the legs but can also occur on the face and other areas. Contrary to what many physicians are taught, spider veins can cause the same symptoms as much larger varicose veins including itching, burning, heaviness, and fatigue in the legs. Although they may be symptomatic, they are simply a cosmetic problem.

## How are spider veins treated?

Sclerotherapy is the treatment of choice for spider veins. In sclerotherapy, a safe, painless solution is injected into the abnormal veins causing them to shrink and disappear. Blood is re-routed into nearby healthy veins. Although most people have heard about "saline" injections, the new medications are much more effective and less painful when injected. As a side note, most vein specialists consider laser therapy to be less effective and more painful than sclerotherapy.

# VARICOSE VEINS

## What are varicose veins?

Varicose veins are enlarged, weakened, dilated veins that have permanently lost their ability to carry blood from the legs back up to the heart against the force of gravity. As the blood falls back down the leg and pools due to gravity, the veins overfill giving them their typical unsightly bulging appearance. Varicose veins cause tired, heavy, aching, throbbing, swollen legs which are typically worse at the end of the day. Treatment of the diseased veins will eliminate these symptoms. If left untreated, varicose

veins worsen over time, and may lead to more serious problems including blood clots, phlebitis, skin changes, and finally ulceration.



## What causes varicose veins?

Heredity is the number one contributing factor causing varicose veins. Other contributing factors include pregnancy, obesity, hormone-containing medications, standing for long periods, and traumatic injury to the leg.

## Diagnosis with Ultrasound:

In order for treatment to be effective, the anatomy and course of varicose veins must be studied. This is where ultrasound imaging comes in. By performing a Duplex Venous Ultrasound exam with the patient standing, an accurate venous map is made of the entire leg. It is this precise Duplex Venous Ultrasound Mapping that allows for individually tailored treatment for every patient, and superior, long lasting results!

# TREATMENT OPTIONS FOR VARICOSE VEINS

## Sclerotherapy & Ultrasound Guided Sclerotherapy:

Sclerotherapy is ideal for treating small to medium size varicose veins. It involves the injection of a very safe and painless solution. The veins then shrink and gradually disappear. For deeper varicosities ultrasound is often used to "guide" the injections into the underlying diseased veins below the surface of the skin. This allows the medication to be administered to precise locations safely and accurately.

## Foam Sclerotherapy (Sclerofoam)

Foam sclerotherapy is where the liquid sclerosing solution is mixed with a gas, to make a "foamy" type substance. This provides for improved contact between the medication and vein wall. Both small and large veins can be treated using a foam technique with or without ultrasound guidance.

## Micro-Surgery and Laser Catheter Occlusion:

These procedures need no hospitalization, no general anesthesia, and no large incisions.

**Ambulatory Phlebectomy** or "hook" phlebectomy is a micro-extraction procedure used to remove varicose veins, both large and small, which are close to the surface through very small (1/8 inch) micro-incisions. The micro-incisions are so small that they are closed with sterile tape, not stitches. Once healed, they are rarely visible.

## Endovenous Laser Catheter Procedure

The Endovenous Laser Catheter procedure is performed right in the office. Under local anesthesia, a thin laser fiber (or catheter) is inserted into the vein through a tiny incision. The catheter delivers laser energy (heat) to the vein wall, causing it to heat, collapse, and seal shut. Most patients return to work and near normal daily activities the very next day.

## NEW ADVANCEMENT

Vein Viewer technology, visit the website for more information on this exciting new development!

For more information regarding any of these procedures, or to view additional information regarding a wide range of topics including; insurance reimbursement and conservative therapy, instructions for our out of state patients, Dr. Mauriello's lecture topics, a wide range of before and after photos, or latest advancements in vein developments, please visit our website at: [www.veinhelp.com](http://www.veinhelp.com)