

More than **80 million** Americans suffer from some form of venous disease¹

What is CVD?

Chronic venous disease or CVD occurs when the blood in your legs cannot flow back to your heart. When this happens, pooling blood can raise pressure in your veins, causing a range of problems. 1 in 3 Americans over the age of 45 has some type of venous disease.⁵

Blockage of the deep venous circulation in the abdominal/pelvic area is now recognized as a cause of CVD. This can occur when either the iliac vein in your pelvis becomes compressed by the overlying artery, or from a blockage following deep vein thrombosis (DVT).^{1,2,3,4}

Are you at risk for CVD?⁵

- Family history
- Obesity
- Hormonal changes—pregnancy, menopause, hormone therapy
- Immobilization after surgery or injury
- History of deep venous thrombosis – blood clots in the leg veins
- Prolonged standing

What conservative treatments are available?

Compression socks, skin ointments or medications are often used to provide some relief.

References:

1. Neglen P. Chronic deep venous obstruction: definition, prevalence, diagnosis, management. *Phlebology* 2008;23:149–157. www.ncbi.nlm.nih.gov/pubmed/18663114
2. Kibbe MR, Ujiki M, Goodwin AL et al. Iliac vein compression in an asymptomatic patient population. *J Vasc Surg* 2004;39:937–43. www.ncbi.nlm.nih.gov/pubmed/15111841
3. Raju S, Neglen P. High prevalence of nonthrombotic iliac vein lesions in chronic venous disease: a permissive role in pathogenicity. *J Vasc Surg* 2006;44:136–44. www.ncbi.nlm.nih.gov/pubmed/16828437
4. Almeida J, Boatright C. Iliocaval Stenting for Advanced Chronic Venous Disease. *Endovascular Today* 2011;Jul:62–64
5. www.uab.edu/images/web/vein/pdf/CVIupdate2008.pdf
6. Neglen P, Thrasher TL, Raju S. Venous outflow obstruction: An underestimated contributor to chronic venous disease. *J Vasc Surg* 2003;38:879–85. www.ncbi.nlm.nih.gov/pubmed/14603188
7. Raju S. Best management options for chronic iliac vein stenosis and occlusion. *J Vasc Surg* 2013;57:1163–69. www.ncbi.nlm.nih.gov/pubmed/23433816

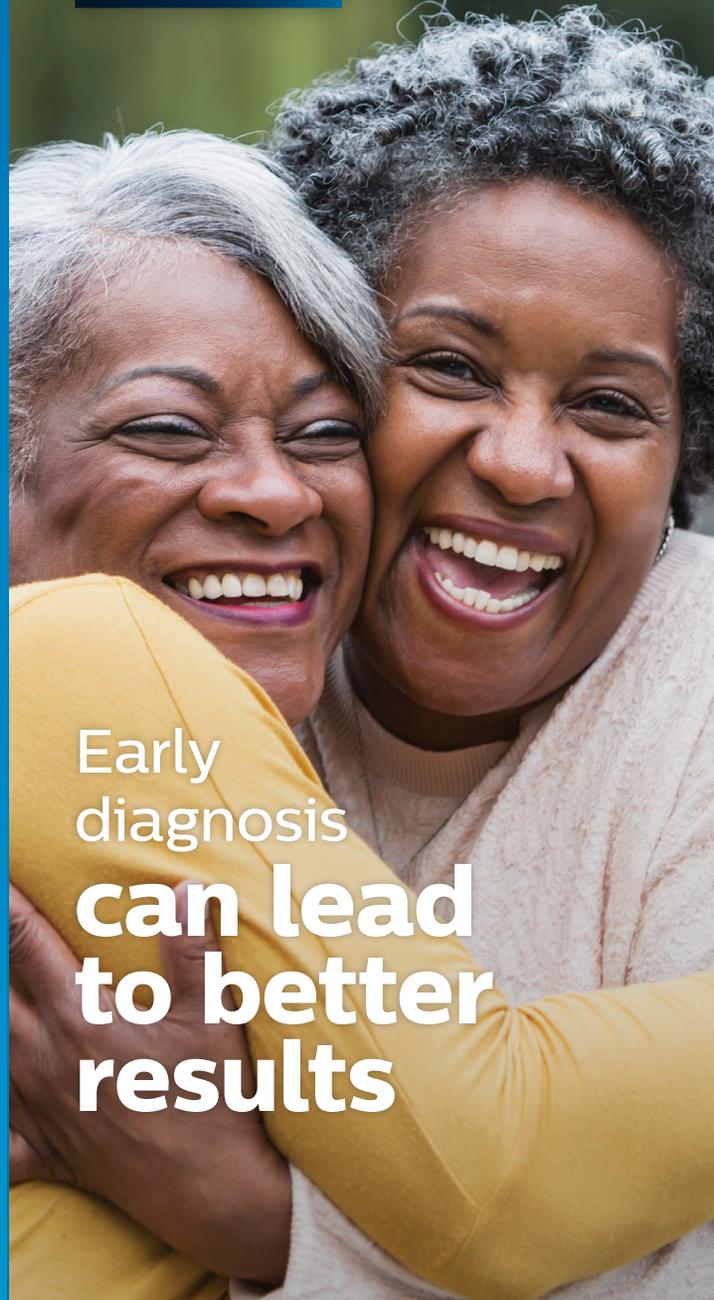


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Chronic venous
disease

A photograph of two elderly women, one white and one Black, smiling and embracing each other. The woman on the left is wearing a yellow top, and the woman on the right is wearing a light-colored top.

Early
diagnosis
**can lead
to better
results**

Is IVUS right for you?



“I was feeling extreme discomfort and was losing hope. My physician suggested I undergo a venogram, following which she performed IVUS. My physician told me that the additional information provided by the IVUS procedure helped her to develop a more focused treatment strategy than through venography alone.”

Maria B.

IVUS diagnosis and treatment guided patient

Are you experiencing any of these symptoms?⁴

- Aching, tiredness, or throbbing of the legs
- Leg swelling
- Varicose veins
- Skin redness and inflammation called stasis dermatitis
- Eczema—dry flaking skin on the lower legs
- Brownish skin discoloration called hyperpigmentation
- Skin ulcers around the ankle



Intravascular ultrasound (IVUS) is a minimally invasive imaging procedure that can be used to help diagnose CVD.

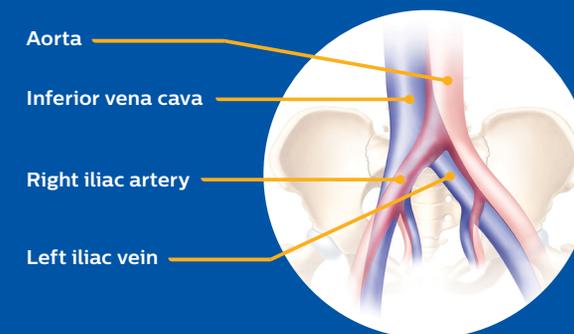
IVUS guidance helps your physician evaluate a part of the iliac vein that had been hard to see with venography. Data suggests that venography may lack the sensitivity and specificity required for accurate diagnosis in this area of the body.^{3,6,7} By enabling your doctor to more accurately assess your condition from inside the vein, IVUS is a valuable complement to standard venography and can help your doctor decide your best course of care.

What can I expect from the procedure?

During the procedure where IVUS is utilized, you may receive anesthesia prior to the creation of a small incision in your leg. Through this incision, a specially designed ultrasound catheter is guided to where your doctor can acquire images of compressed or obstructed vessels. During the same evaluation, your physician may have the opportunity to use the knowledge gained through the IVUS imaging procedure to guide a stent to the spot where your vein is compressed or obstructed.

Go to PVDandMe.com for more information.

Left iliac vein compressed by right iliac artery



IVUS image of venous compression

