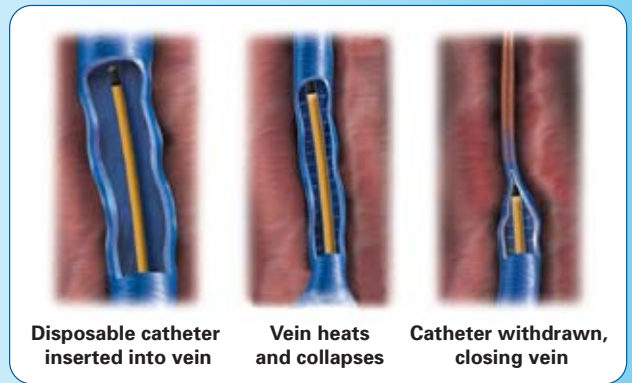


About the VNUS Closure[®] Procedure

The Closure procedure can be performed under local anaesthetic on a walk in walk out basis. With ultrasound, the surgeon will position the ClosureFAST[™] catheter into the diseased vein through a small opening in the skin. The tiny catheter powered by radio-frequency (RF) energy delivers heat to the vein wall. As the thermal energy is delivered, the vein wall shrinks and the vein is sealed closed. Once the diseased vein is closed, blood is re-routed to other healthy veins.

Following the procedure, a simple dressing is placed over the insertion site, and a compression stocking will need to be worn for 7-10 days. Most patients who undergo the Closure procedure typically resume normal activities within a day.



The Closure procedure is available in select NHS Hospitals for eligible NHS Patients. It is also available in select Private Hospitals across the UK & covered by most Medical Insurance Providers.

- *Minimally invasive treatment of venous reflux disease, the underlying cause of most varicose veins*
- *Performed under local or general anaesthesia*
- *Less pain, tenderness, and ecchymosis, when compared to traditional vein stripping or laser*
- *An approved procedure with the National Institute for Health and Clinical Excellence (NICE)*
- *Faster return to normal activities for your patients*
- *Since 1998 over 350,000 procedures have been performed Worldwide with VNUS Closure[®] Catheters.*



We support the Circulation Foundation.
www.circulationfoundation.org.uk



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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.

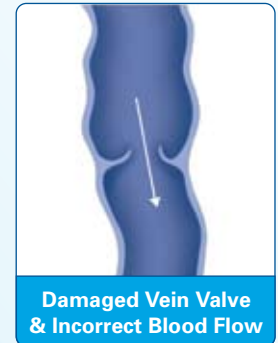
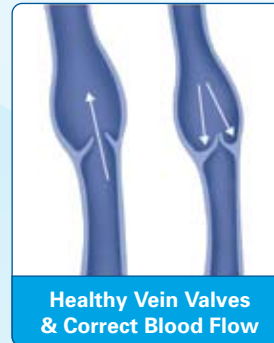
- See what the **VNUS Closure procedure** can do for your patients



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Understanding Venous Reflux Disease

Healthy leg veins contain valves that open and close to assist the return of blood back to the heart. Venous reflux disease develops when the valves that keep blood flowing out of the legs and back to the heart become damaged or diseased. As a result, vein valves will not close properly, leading to symptoms.



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**
- > **Pain**
- > **Swollen limbs**
- > **Leg heaviness and fatigue**
- > **Skin changes and ulcers**

Clinical Classifications



Varicose Veins



Swelling



Skin Changes



Ulcer

Photos courtesy of Rajabrata Sarkar, MD, PhD.

Venous Insufficiency: Symptoms, Risk Factors, and Diagnosis

Symptoms of venous insufficiency:

- > Leg pain, aching, or cramping
- > Skin discolouration or texture changes
- > Burning or itching of the skin
- > Open wounds or sores
- > Leg or ankle swelling
- > Restless legs
- > "Heavy" feeling in legs

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