**WHAT TO EXPECT WITH THE VENEFIT™ PROCEDURE**

- Standing ultrasound exam to diagnose vein reflux
- Office or hospital procedure
- Minimally invasive treatment
- The average patient resumes normal activity within a few days

**INDICATIONS-FOR-USE:** The Venefit™ procedures treat leg veins in the superficial and perforating systems that have venous reflux, the underlying cause of varicose veins and venous ulcers. Individual results may vary based on each patient's condition.

**CONTRAINDICATIONS:** Patients with thrombus (blood clots) in the vein segment to be treated should not have the Venefit™ procedures.

**PRECAUTION:** For patients with a pacemaker, internal defibrillator or other active implanted device, consult the cardiologist and the manufacturer of the active implanted device. Continuous patient monitoring during the procedure is recommended. Evaluate the patient and the implanted active device pre-procedure. Keep all power cords and the instrument cable away from the location of the pacemaker or leads, defibrillator or the implanted active device.

**CAUTION:** No data exists regarding the use of this device in patients with documented peripheral arterial disease. Care should be taken in using this device for occlusive venous surgery in patients with significant peripheral arterial disease.

**POTENTIAL COMPLICATIONS:** As with all medical procedures potential risk and complications exist including vessel perforation (when the catheter punctures the vein wall), thrombosis, pulmonary embolism (when a blood clot travels to the lungs), phlebitis (inflammation of the vein), infection, nerve damage, arteriovenous fistula (an abnormal connection between an artery and a vein), hematoma (bruising) and skin burn. Consult with a physician to receive more information.

**REFERENCES:**


Minimally invasive treatments may aid ulcer healing in patients with chronic venous insufficiency that did not experience ulcer healing using compression therapy alone.

Compared to compression therapy alone, surgical treatments addressing the underlying cause of venous ulcers may:

- reduce ulcer recurrence
- improve quality of life

**COVIDIEN**

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CHRONIC VENOUS INSUFFICIENCY (CVI)

CVI, one of the underlying causes of venous ulcerations, is a potentially serious and progressive medical condition.

CAUSE OF VENOUS REFLUX

Blood flows backward through damaged valves causing pressure on the skin that can potentially lead to an ulcer.

HEALTHY VEINS, with competent vein valves, keep blood moving in one direction back to the heart.

DISEASED VEINS, with damaged vein valves, cause blood to move in both directions, elevating venous pressure.

The Venefit™ procedure uses radiofrequency energy to close the diseased vein allowing blood to re-route through healthy veins.

The Venefit™ procedure is a minimally invasive treatment for CVI, one of the underlying causes of venous ulcers.

Non-healing venous ulcer

Healed 8 weeks after the Venefit™ procedure

A prospective study has shown that 76% of ulcers were healed within 6 months after the Venefit™ procedure1. In a separate study, 95% of ulcers remained healed at 18 months2. Individual results may vary.

Images courtesy of David MacMillian MD

Images courtesy of Rajabrata Sarkar, MD