

Radiofrequency technology for the treatment of varicose veins in the lower limbs

To offer patients increasingly advanced medical services, the hospitals are equipping themselves with a new tool to treat varicose veins in the lower limbs. This medical device allows radiofrequency treatment of varicose veins of the lower limbs with a minimally invasive technique. **EVLA For Venous Insufficiency** is also a treatment for the varicose veins.



The benefits of endovascular thermo-ablation with radiofrequency

This technique, called endovascular thermo-ablation by radiofrequency, quickly established itself on the vascular surgical scene. Currently, it is the most effective and standardized system for the **Radiofrequency Ablation For Leg Veins** on the world market.

The ESVS guidelines and the American Venous forum indicate radiofrequency ablation as the first choice in small and large saphenous vein incontinence.

Why radiofrequency treatment on varicose veins

Radiofrequency Ablation Varicose Veins is a minimally invasive and avant-garde technique in the treatment of superficial venous insufficiency, the cause of varicose veins. The treatment is carried out with insertion into the diseased vein of a thin catheter through a needle, under control, and ultrasound guidance. The catheter is connected to an external radio frequency (RF) generator. The production of radio frequency determines a temperature of 120 ° C, transmitted to the tip of the catheter with cycles of 20 seconds, which heats and contracts the collagen present in the part of the vein causing the closure of the vein itself. This modern

technique completely avoids surgical cuts and consequent aesthetic damage, allowing patients to obtain high comfort with the drastic reduction of pain and discomfort on the day and in the days following the surgery.



BENEFITS FOR THE PATIENT

- The procedure is, if carried out correctly, totally painless, both during and after the intervention.
- The treatment does not require surgery as being a [Laser Treatment For Spider Veins](#). It does not require surgical access to the groin, high ligation, or bloody procedures such as venous stripping; the procedure consists of access by puncture of the great saphenous vein at the height of the knee and the insertion of a catheter inside the same. This is the only access needed.
- Given the mini invasiveness, the treatment can be carried out in any season of the year, even in hot periods, where varicose veins are normally not operated.
- No stitches are needed, no scars remain on the skin.
- The procedure does not generate hematomas, burns or discolorations of the skin
- During **RF Ablation For Leg Veins**, if the patient experiences discomfort or pain, when the radiofrequency delivery is stopped (by the catheter handpiece), there is an actual instantaneous drop in temperature. This is because the thermal source is a "radio link" created between the active part (7cm) of the catheter and the venous vessel.
- The ability to return to normal activities after a few hours has a beneficial impact not only on the patient but also on a social level.
- Epidural anesthesia or total anesthesia is not required; to carry out the treatment, local tumescent anesthesia with the triple function, as well as an anesthetic, of a thermal barrier and partial emptying by compression of the venous tract under examination is sufficient.
- Lasting only between 20 and 30 minutes, the emotional impact of an intervention is greatly reduced or even canceled.