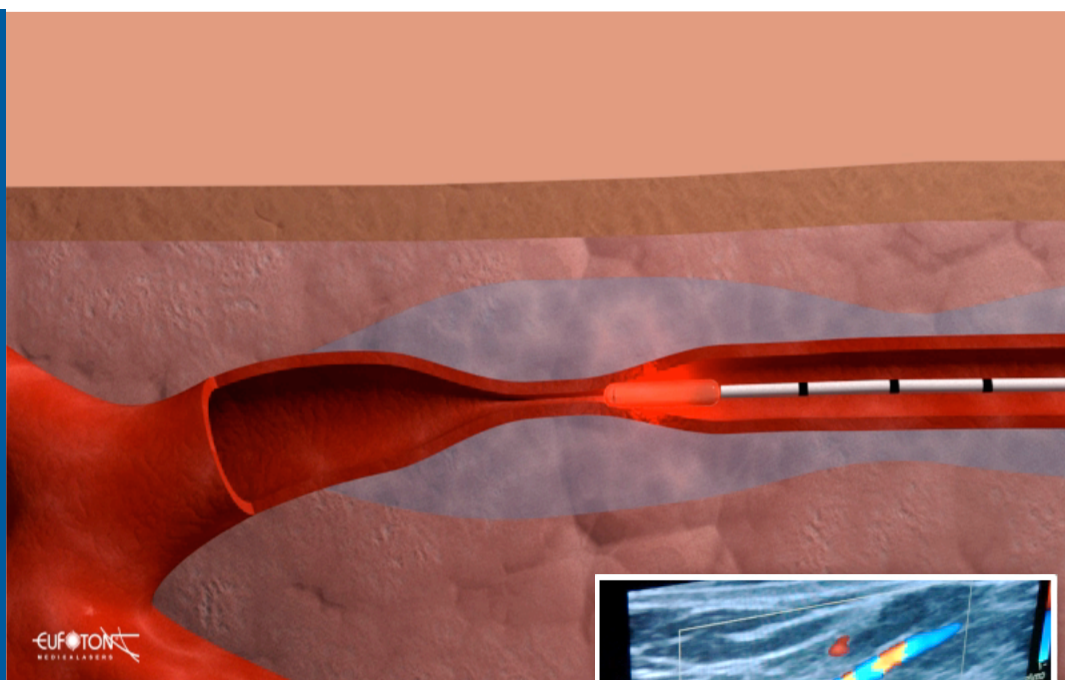


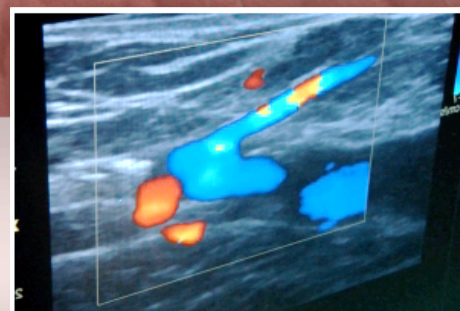
# EUFOTON MEDICAL LASER ENDOLASER

MEDICAL UPDATE September 2013

Interview  
made for the  
World  
Congress of  
Phlebology  
Boston 2013



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## The present of Endolaser in 2013 using the Ring Fiber.

Dr. Francesco Zini

Interview by Francesco Marangoni of Eufoton Press

### Why again a new endolaser systems?

The combination of the 2 Eufoton **Flebolaser Systems**, the **Ring Laser system 1500** and **FTF Laser System 800**, is considered as the brand new state-of-the-art laser technology for the treatment of all varicosities (from the GSV to spider veins).

### What are the characteristics of those systems?

The **Ring Laser System 1500** is composed by a Laser unit with 1470 nm wavelength with an extra bright aiming beam and a range of various ring fibers: 600 micron for the GSV, 400 and 300 micron for smaller or more tortuous veins.

It offers the optimum treatment solution for an effective and gentle

endovenous laser therapy with the actual highest standards for patients and doctors.

The Ring Laser System represents a safe and simple approach to perform endovenous laser therapy for GSV and SSV.

Delivering homogenous laser emission based on the loop design, Eufoton Ring Kits minimizes the risk of vein perforations and assures a very high echogenic visibility.

The 1470 nm laser energy is preferentially absorbed by the water contained on vein wall and into the

blood. The irreversible photo-thermal process (around 80° C) induced by the laser energy results in a complete occlusion of the treated vein.

The **FTF Laser System 800** is composed by a Laser unit with 808 nm wavelength and the FTF fibers, a low cost solution to treat easily collaterals, perforators and teleangiectasias even when very superficiales.



### How to perform the procedure with the Ring system?

The Ring Vein procedure is performed under ultrasound guidance and Tumescant Local Anesthesia (TLA). However, some doctors prefer to work without TLA using a mild sedation or a sensory femoral nerve block. Following percutaneous entry into the saphenous vein the Ring fiber is advanced towards the SFJ (Saphenous femoral junction).

The laser procedure is carried out along the entire length of the incompetent vein under continuous pull back of the fiber. The complete treatment takes about 30-50 minutes; patients can return to normal activities immediately after. Bi-lateral endo treatments or combined GSV & SSV procedures can be performed during the same session.



Francesco Zini M.D.  
fzlebo@tin.it

M.D. degree, Specialization in Angiology, Specialization in Vascular Surgery, Specialization in General Surgery. Responsible of the

Department of General Surgery, Public Civil Hospital of Parma, from 1978 to 2000. Responsible of the Department of General and Vascular Surgery, Private Hospital Casa di Cura Città di Parma, from 2000 to present. Director of FZ Phlebology center, Parma, Vascular diagnostics and laser therapy, since 2000 to present. More than 10.000 total surgical operations performed in general and vascular surgery, author of about 50 scientific publications on General Surgery, Diagnostics, Histopathology, Phlebology, Vascular Diagnostics and Laser treatments. Co-author of the Manual "Lasers in Phlebology". Professional Activities: General and Phlebo Surgery, Laser Surgery and Endovenous laser surgery.

### What are the characteristics of the new Ring fiber?

The **Ring Fiber** applies energy faster and more accurately than any other fiber type in the endovenous market.

The Circular energy emission ensures homogenous photothermal destruction of the vein wall, allowing the safest vein's occlusion with lowest laser energy applied

By avoiding the typical vein's perforations observed with old lasers with consequent association of thermal irritation of the perivenous tissue, intra- and post-operative pains are minimized, as are oedemas, echymosis and all other side-effects. An introduction 6F kit is used to insert the Ring Fiber directly into the vein in a safe and fast way. No more needs for 70 or 100 cm very long catheters and guide wires

Optimal positioning and monitoring of the fiber tip is possible thanks to its perfect ultrasound visibility. All procedures are performed under ultrasound control and Tumescant Local Anesthesia.

The round fiber tip allows a safe and simple movement along the vein reaching very easily the SFJ

The Ring Fiber has a clever marking for optimal control of the continuous pullback speed coordinated by the laser's software that permits to manage the LEED (linear endovenous energy density) in the simplest and personalized way. The Ring Fiber circular energy emission gives as result a very homogenous vein wall damage.

In combination with the Eufoton 1500 laser System, the Ring fiber system will be able to change your vein treatment approach with the goal of increasing the patient comfort by reducing the pain, bruising and swelling. Doctors and patients will benefit from all these key safety factors.



### How many cases did you treat with this technique and what is the outcome?

I treated 463 GSV with the ring fiber since starting of this method in 2009. The patient satisfaction for this system is very high and I didn't have any case of recanalization.

The average time for the treatment is 30-50 minutes.

### Why did you choose Eufoton Flebolaser systems for your practice?

In the area of ELA **Eufoton® Flebolaser** races for the primate of diode laser and optical fiber technology.

As an international partner in ELA **Eufoton®** imparts to the phlebology community a global input for standardization of his ELA method and training of doctors working with the Eufoton® system.

Ring System provides a unique opportunity for expanding your vein's activity, improving patient outcomes and maximizing your medical business.



#### A complete Solution including:

- EUFOTON 1500 diode laser platform
- RING Kits (complete of introducers)
- RING Procedure doctor education material
- On line and on Site educational training
- International network of KOL and training centers

#### Flebolaser System for Vein Centers :

- Highest standard of functionality
- Superior ease of use
- Dedicated Laser software features
- Visual control of LEED via screen with Audio Control
- Touch screen colour display
- Portable for clinic and office use



EUFOTON MEDICAL LASER  
WWW.EUFOTON.COM  
INFO@EUFOTON.COM  
+390409899082