

XP-2 Focus - The Most Versatile Laser System in Aesthetic Surgery

Fotona introduces the newest laser system in its range for aesthetic medicine and surgery

The XP-2 Focus replaces its predecessor, the Fotona XP-2 and remains a proven and unique solution that not only provides a wide range of surgical procedures, but also a variety of popular, non-surgical aesthetic procedures. With this one laser system you can simply expand your treatment range and focus on today's trendiest aesthetic surgical procedures. Or, you can develop strong, competition-breaking healthcare partnerships, within your own clinic or with others, by sharing its wide-ranging treatment capabilities.



The XP-2 Focus features enhanced performance capabilities and specifications that provide the ability to perform trendy, new procedures more efficiently and effectively than ever before. It further features a new and improved user-interface that makes it easier to select and adjust parameters during procedures and enables settings to be saved and called up from memory at the touch of a button.

Surgical kits for all the XP-2 Focus' procedures allow you to focus on the most popular surgical procedures among your patient base. There is no need to upgrade or replace your system as trends change. Thanks to its dual mode Nd:YAG laser, the XP-2 Focus also offers the most advanced in non-surgical and popular aesthetic treatments, such as Fotona's unique FRAC3 rejuvenation treatments.

The XP-2 Focus' technology has received particular recognition in endovascular treatment procedures. The high-repetition, high-power laser energy of its Quasi-Continuous Wave (QCW) Mode is used in endovenous procedures to optimally heat both blood and the vein

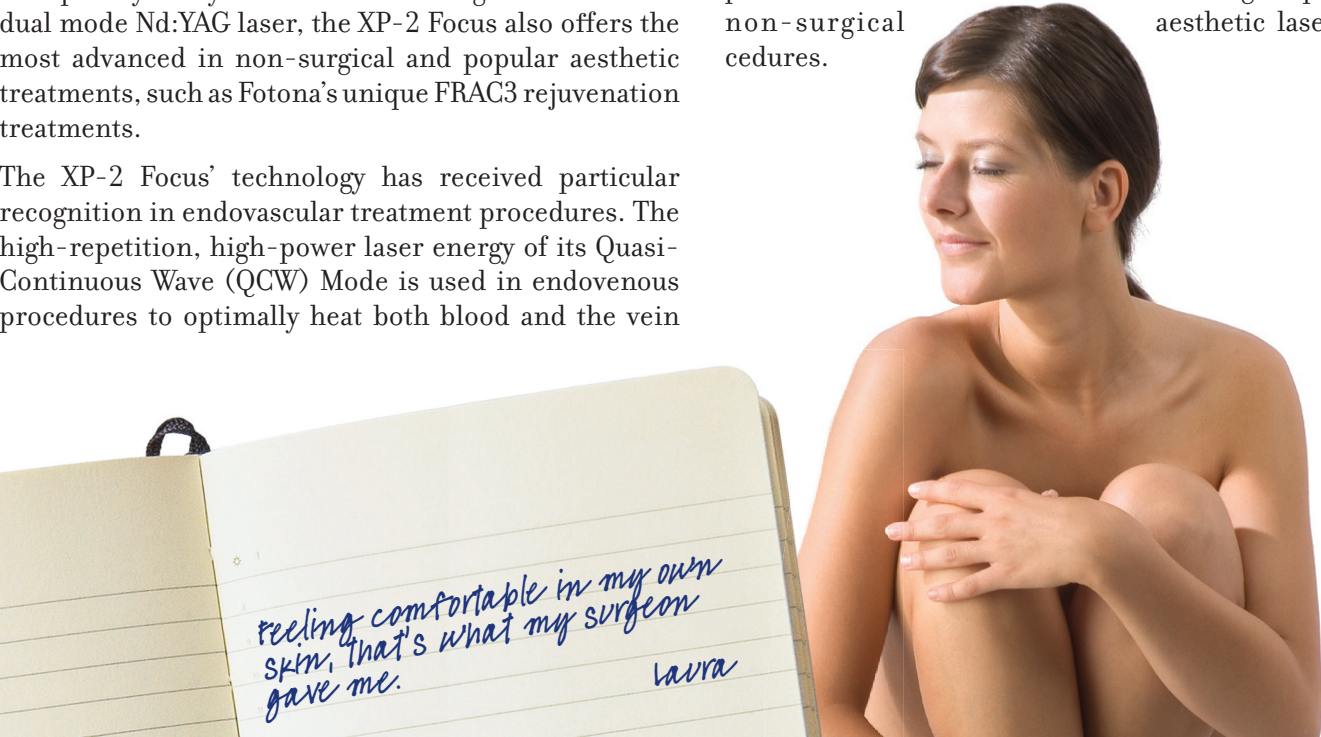
wall. This effectively occludes the bloodvessel with minimal patient discomfort and provides exceptionally high success rates in varicose vein treatments with a significant reduction in recovery time.

Features:

- Golden Standard Nd:YAG laser with dual mode
- QCW Mode for a wider range of surgical procedures
- Pulse Mode provides non-surgical, aesthetic procedures
- Highest performance features for more effective treatments
- New, improved user-interface with memory functions
- Exo- and endovascular procedure options in one system
- Offers unique FRAC3 rejuvenation and more!

Pulse Mode enables the XP-2 Focus to effectively treat vascular lesions such as spider veins, telangiectasiae and various hemangiomas. Its wide ranging high performance characteristics and features enable the system to be used to provide many more aesthetic treatments, such as hair removal, skin rejuvenation and even acne treatments. Even more! The XP-2 Focus includes Fotona's unique FRAC3 treatment modality which provides a proven, non-ablative, 3D self-induced effect in the skin for rejuvenation and anti-aging treatments. The XP-2 Focus' short pulsewidth generating capacity is crucial in providing the system's ability to provide FRAC3 treatments.

The newest XP-2 Focus is your ideal choice laser system to combine both the trendiest aesthetic surgical procedures with a wide range of popular, non-surgical aesthetic laser procedures.



Surgical News



Body Shaping with Laser Lipolysis

Laser lipolysis is rapidly becoming the most desired and appreciated procedure in aesthetic surgery

Most adult women, although men are no exception, have unwanted bumpy-looking fat deposits on their body. This is connected with modern lifestyle, genetics, and exercise habits and diet. The only solution for these problems is often aesthetic surgery. For those who want all the benefits of liposuction without the trouble of such an extensive surgical procedure (including general anesthetic, bruising, bandaging), the alternative is laser lipolysis.

Less invasive, fast and great results

The newest trends in liposuction today are laser lipolysis and laser-assisted liposuction; the least invasive method of liposuction available in aesthetic surgery. The technique involves the use of a laser to "melt" excess fat in target areas such as the thighs, abdomen, arms, neck and parts of the face in a "key hole" surgical procedure.

Fotona's XP-2 Focus, the newest generation surgical laser systems, is the perfect tool for such procedures. The XP-2 Focus relies on its Nd:YAG laser to create photothermal effects in order to efficiently and methodically melt fatty tissue deposits. The XP-2 Focus laser is administered through a very fine optical fiber in a canula which is inserted through a very small incision into the to-be-treated area. When the adipocytes are heated by the laser, they swell, eventually rupture and create liquefied fat emulsion. In laser lipolysis, smaller quantities of liquefied fatty tissue do not require suction; they are easily absorbed by the body. In laser-assisted liposuction, larger quantities are removed by suction, which is much easier since the fatty tissue has been liquefied using the laser's thermal effect.

Advantages:

- Fast and effective treatment
- Less trauma and discomfort during the procedure
- No general anesthesia needed
- Less blood is lost
- No stitches needed
- Simultaneous skin tightening avoids loose skin
- Faster recovery and minimal downtime
- Optimal clinical results



The fatty tissue removal process of the liquefied fatty tissue in laser-assisted lipolysis requires less external force and exertion compared to the standard

process. Bleeding and trauma are thus minimized as well as post-treatment bruising and swelling. This is an important advantage, especially when treating very resistant fatty tissue deposits.

Simultaneous Skin Tightening Effect

While melting the fatty tissue the XP-2 Focus laser also tightens the surrounding skin, preventing it from sagging after the fatty deposits have been removed. The controlled heating effect of the XP-2 Focus provokes new collagen and elastin formation within skin. This facilitates the skin to adapt the morphological changes the procedure creates. Shrinking is more pronounced and the skin is much smoother than after classical liposuction. In fact, the XP-2 Focus can also be used for externally-applied skin rejuvenation treatments, providing skin tone, tightness and texture improvements, elsewhere on the body.

Today patients expect instant results with a minimum of downtime. The XP-2 Focus gives you the opportunity to provide patients the effects of



classical liposuction quickly and efficiently with added advantages. Procedures require only a 1-2 mm incision to insert the canula with laser fiber, and the XP-2 Focus laser provides an instantaneous blood-coagulating effect when melting the fatty tissue. This keeps trauma to an absolute minimum, and averts bleeding and post-procedure swelling. Patients can thus expect shorter recovery times and a reduced need for compressive garments, while they can get back to their daily activities virtually immediately after the procedure.

Laser-assisted hyperhidrosis treatment

A permanent solution for excessive axillary perspiration

Sweating is a normal physiological process, its purpose is to maintain body temperature by eliminating excess body heat. However, excessive perspiration, known as hyperhidrosis, can have a major impact on one's quality of life.

Several treatments exist which vary in effectiveness, duration and aggressiveness. The most common is botox gland fixation which lasts only for up to 4-8 months. Recent clinical experience suggest a novel treatment with Nd:YAG laser may provide excellent, permanent results.

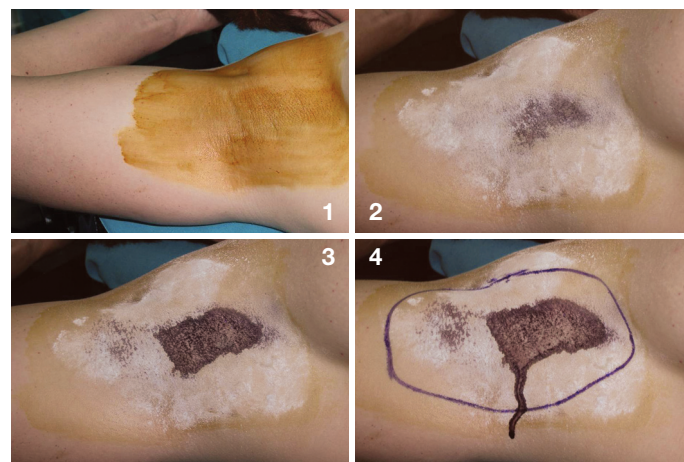
The laser-assisted hyperhidrosis treatment procedure permanently destroys axillary sweat glands, using a technique similar to laser-assisted lipolysis. Reports suggest that Nd:YAG laser procedures with the Fotona XP-2 Focus are preferred since treatments are simple, fast with very low occurrence of complications and side effects.

Advantages:

- A permanent solution for underarm sweating
- One hour outpatient procedure under local anesthesia
- Fast, inexpensive and simple to perform
- Low occurrence of complications and side effects
- High success rate and patient satisfaction

Nd:YAG laser creates photothermal effects in order to efficiently and methodically remove eccrine sweat glands without damaging the neighboring tissues. After laser action a grating cannula is used to remove the destroyed glands. The procedure can be performed through a small incision that won't leave any scars

The procedure is fast and only tumescent anesthesia is needed. It offers a great solution for patients suffering from excessive sweating as long-term efficacy has been reported with minimal down-time.



Photos 1,2,3,4: Sweat test with iodine and starch

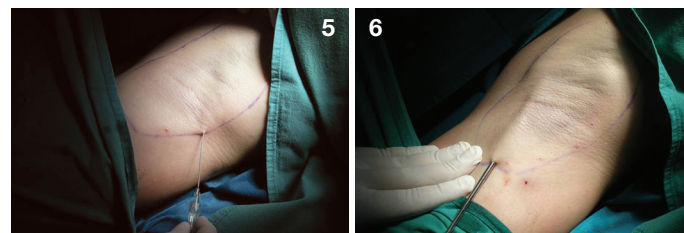


Photo 5: The local tumescent anesthesia

Photo 6: Subdermal dissection

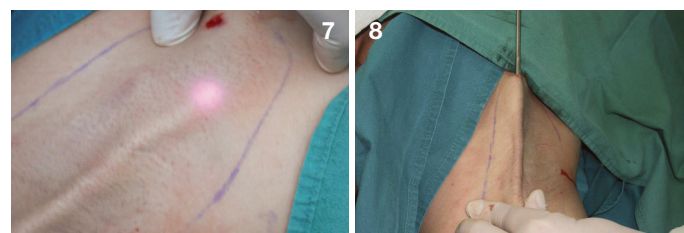
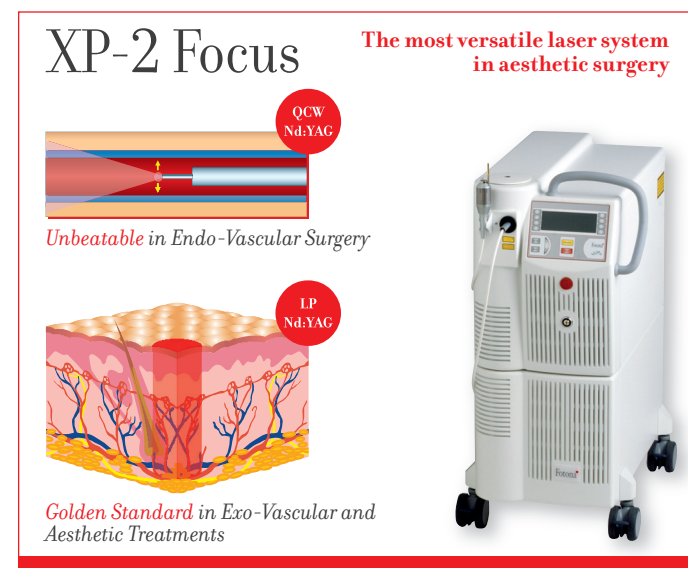


Photo 7: Subdermal treatment with laser XP-2 Focus

Photo 8: Curettage with grating cannula

Courtesy of Dr. Maletić (CRO)



Excellent results for laser occlusion of varicose veins

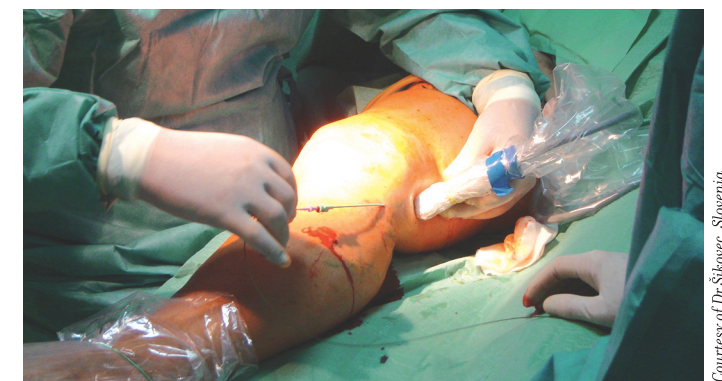
Endovenous laser procedures are a minimally invasive alternative treatment that is increasingly replacing classical surgical stripping and ligation

Laser occlusion of varicose veins works by means of thermal destruction of venous tissue.

Laser energy from a Nd:YAG laser is delivered to the desired location inside the vein by using a bare laser fiber inside a catheter. Small incisions are made to create an entry and exit hole in order to allow the laser fiber to be passed along. The laser is repeatedly fired as it is gradually withdrawn, depositing the thermal energy into the blood and vein wall, producing irreversible, localized venous-tissue damage to the entire circumference of the vessel.

This minimally-invasive treatment alternative for varicose veins is increasingly gaining popularity among surgeons, since it represents fewer burdens to the patient and health system. Fotona's Quasi-Continuous Wave, 1064nm Nd:YAG laser, available in the XP-2 Focus is particularly suited to the treatment of a whole range of varicose veins.

The endovenous laser procedure is a solution to many traditional treatments' limitations, such as those associated with suitability of patients and treatable vein size for sclerosation and radio frequency treatment modalities. They also minimize the risk of trauma, long recovery times and possible nerve damage associated with ligation and stripping. Many of these methods are also costlier, either in terms of equipment required or the need for anesthesia and post-operative care. In contrast, endovenous laser procedures are more economical (estimated at half the price of traditional surgery) with a very low cost of consumables. It is typically a 45-60 minute outpatient procedure that can usually be performed under local anesthesia. It is generally less traumatic for the patient with minimal discomfort and shorter recovery times (in many cases it is a 'walk-in/walk' out procedure), while impressive long-term success rates have been reported.



An Endovenous procedure in progress.

Advantages:

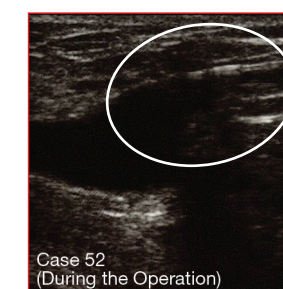
- No hospitalization required
- No general anesthetic required
- 45 minutes outpatient procedure
- Lower risk of complications
- Low start-up costs
- Less traumatic for the patient
- Shorter recovery time
- Minimal patient discomfort
- 98% initial success rate

Impressive Results

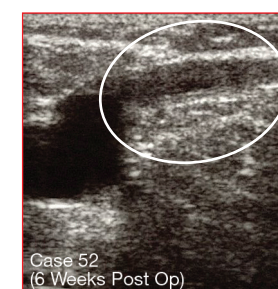
In a recent study on 525 legs, treated over a period of two and a half years, 97,5% of patients exhibited fully occluded LSV or SSV, with no reflux. Except for some skin ecchymosis and mild induration, patients did not report any other problems after the treatment. All patients were walking immediately post-op and could resume pre-operative activities in less than 72 hours. The cosmetic results were excellent with all pre-operative pain and most pre-operative edema resolved.

Studies have also noted differences between the laser technologies used. Both diode lasers and Nd:YAG were found to be effective. Quasi-Continual Pulse Nd:YAG modalities work at lower temperatures and reportedly produce less ecchymosis, less bruising and less pain. Endovenous therapy is thus fast becoming a proven alternative to traditional therapies in terms of efficacy, treatment time, patient comfort and cost. In addition, choosing a system such as Fotona's XP-2 Focus will enable you to perform other effective vascular laser therapy with the same system, thus maximizing the treatment economics even further.

Laser Occlusion of Varicose Vein



During Operation - catheter with fiber visible in vein.



6 weeks Post-Op - the vein has been completely occluded and is fully overgrown by surrounding tissue.

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