Fotona
choose perfection

The ultimate all-in-one hard and soft tissue laser

LightWalker®

Committed to Engineering

The Highest Performance, Best Made Laser Systems in the World

Virtually Unlimited Applications

From Dentistry to Aesthetics

LightWalker® lasers are designed for ultimate versatility, with one of the most comprehensive lists of clinical applications available on any dental laser. With both tipped and tipless handpieces, your clinical options are endless. LightWalker® offers the highest standard of dental treatmentas well as simplicity of use in:

- Restorative dentistry
- Endodontics
- Periodontics
- Oral surgery
- Implantology
- Aesthetic treatments
- NightLase®
- PBM and Pain management.

Presettings for 80 Different Applications

The LightWalker® touchscreen offers a simple menu of personalized laser treatments. You select the treatment and the laser automatically sets your optimum starting parameters. With easy-to-follow protocols and one-touch treatment settings, you'll be able to perform every dental procedure with confidence and high success rates, bringing in extra income to your practice along the way. You can even upgrade the AT model to perform aesthetic skin treatments such as skin rejuvenation and removal of benign and vascular lesions.

The eight main application groups

Application subgroups

Advanced window to fine tune specific procedures

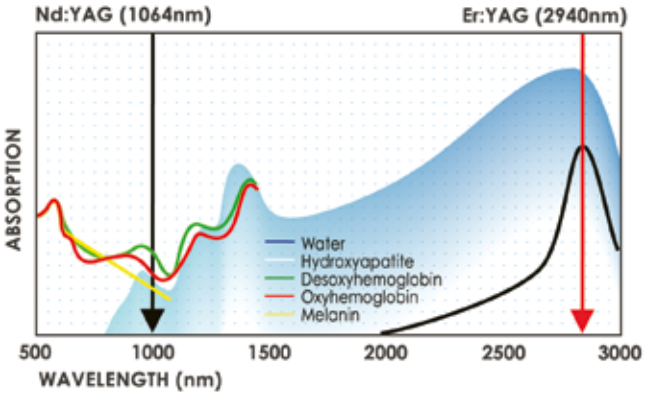
"I am no longer limited by the old technology that I used to have. Lasers are the future and certainly that's why I love my Fotona LightWalker®."

Jason Pang, DDS

No Compromise - Dentistry's Two Optimal Laser Wavelengths

Two lasers for superior clinical results

The LightWalker® model AT S comes standard with dentistry's two most effective laser wavelengths: Er:YAG and Nd:YAG for no-compromise dentistry with a touch of the control screen.



Absorption spectrums

Universal Laser System

It is a well-established fact that different dental procedures require different laser wavelengths. Wavelength is important because specific oral tissues react in different ways depending on the particular laser source. With the choice of two complementary wavelengths (in terms of their effect on tissues) LightWalker® comes very close to being a "universal" laser. Practically all laser-assisted dental treatments can be performed with either the most highly absorbed Er:YAG laser wavelength or the most homogeneously absorbed Nd:YAG laser wavelength.

TwinLight® Treatment Concept

The combination of the two best wavelengths in one laser system enables practitioners to perform not only single-wavelength but also dual-wavelength (TwinLight®) treatments. Utilizing both wavelengths in a treatment makes optimum use of the unique laser-tissue interaction characteristics of each wavelength. For example, Nd:YAG laser energy is superior for coagulation and deep disinfection while Er:YAG is uniquely efficient at ablating hard and soft tissues. Combined, they can greatly expand the range of treatment possibilities and dramatically improve the outcome of laser-assisted treatments.

Frenulotomy (Er:YAG and Nd:YAG)

Exceptional Power and Range of Pulse Modes

Technology for efficacy and safety

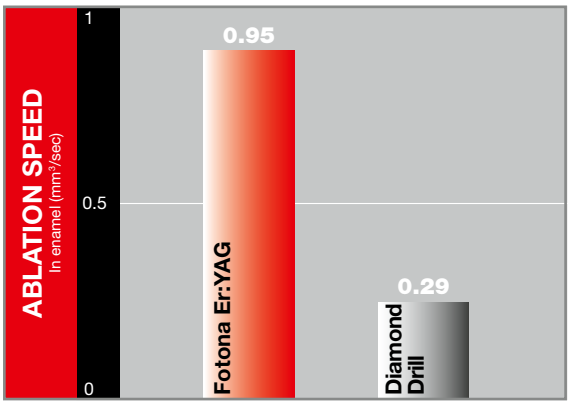
In LightWalker®, both “gold standard” laser wavelengths are produced by solid crystal lasers that can significantly outperform diode lasers in terms of peak power and the range of pulse durations.

Fast efficient cutting with unmatched patient comfort

With the advent of QSP technology and higher output power (several kW), the LightWalker® ATS has established a new standard for ablation/cutting speed. This new accelerated cutting speed provides today’s dentists with the speed and precision they demand, while simultaneously increasing patient comfort.

Precise tissue surgery with simultaneous disinfection

The homogeneous absorption of the Nd:YAG laser in soft tissue results in controlled tissue vaporization with simultaneous coagulation for superior healing and disinfection.



Cutting speed: Er:YAG vs. diamond drill *

reddot design award
winner 2012

** Ablative potential of the erbium-doped yttrium aluminium garnet laser and conventional handpieces: A comparative study. A. BARABA et al, Photomed Laser Surg, 2009;27(6):921-927.*

X-Runner cutting

The Technology Behind an Award-Winning Dental Laser

Solutions for experts as well as beginners

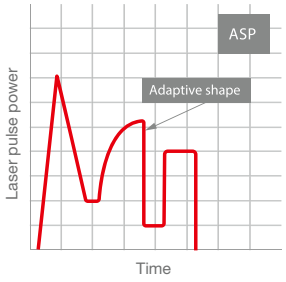
The development of LightWalker® is based on Fotona's 60 years of experience in laser technology, utilizing technologically advanced laser elements that are engineered for ultimate performance in the world of dentistry.

Third Generation ASP Technology

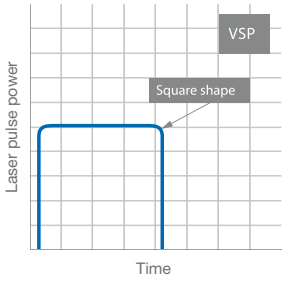
LightWalker® and its groundbreaking ASP (Adaptive Structured Pulse) technology represent a cosmic shift forward for the medical and dental laser industry. This third-generation technology combines the unsurpassed range of pulse duration modes of Fotona's VSP (Variable Square Pulse) technology with the revolutionary capability of ASP technology to adapt the temporal structure of laser pulses to the bio-photonic dynamics of laser-tissue interaction.

Quantum Square Pulse (QSP)

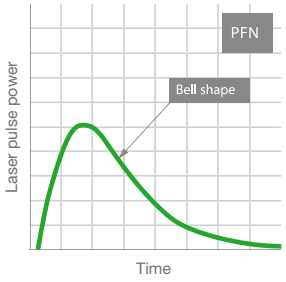
By avoiding the hard-tissue debris cloud the laser ablates more efficiently and with greater precision in Fotona's patented QSP mode because the laser beam is not affected by the debris. By being able to ablate more efficiently, the edges of individual craters are sharp and consistent, providing higher levels of precision and preservation in hard-tissue treatments.



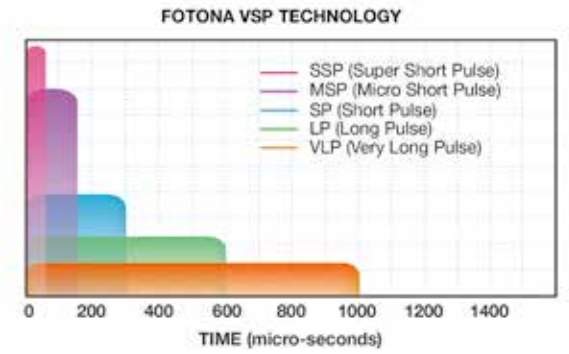
Third Generation Fotona ASP Technology



Fotona VSP Technology

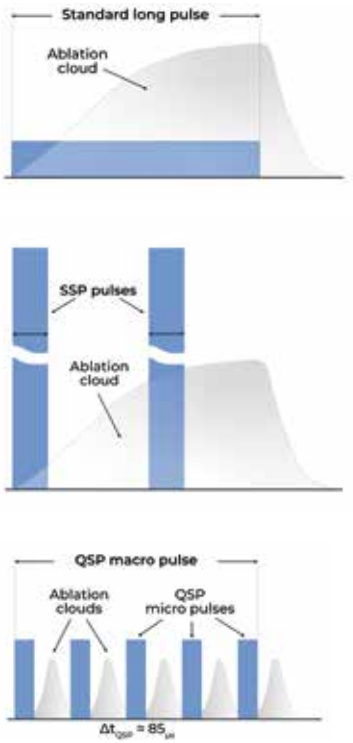


Standard PFN Technology



"LightWalker® is amazing. LightWalker® allows us to work in a minimally-invasive way. So with disinfection, coagulation and photobiomodulation I can improve every step of my everyday practice. I am very very proud to be a part of the Fotona Family using LightWalker®."

Giovanni Olivi, MD, DDS



Lukac N., Lukac M., Jezersek M. (2016). QSP Mode Characteristics of 3rd Generation ASP Powered Er:YAG Dental Lasers. J LA&HA, 2016(1), 1-5

LightWalker® Clinical research library

Convenience in Use

Designed with the dentist in mind

Easy-to-use touchscreen

LightWalker® has an easy-to–use color touchscreen with an adjustable tilt and 80 customizable presettings that cover more than 40 different applications.

Patented weightless OPTOflex® arm

LightWalker's unique and patented OPTOflex® Er:YAG articulated arm is designed to transmit a high-power laser beam to the handpiece, while maintaining the quality of the laser beam to ensure precision and repeatability even at the highest settings.

The OPTOflex® arm is perfectly balanced during use, making handpieces completely weightless in your hand. OPTOflex® allows a full range of motion and a maximum degree of control as it makes maneuvering the handpiece much smoother, which improves treatment precision and ease.

Energy Feedback Control

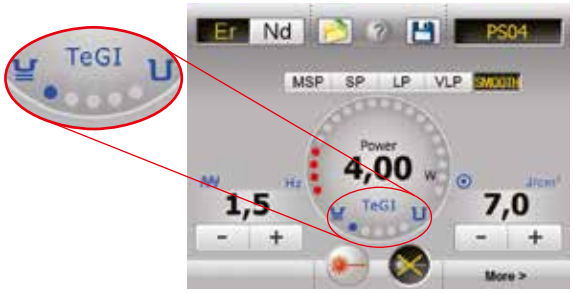
The laser system incorporates a sophisticated double channel safety structure for energy regulation, which contributes to procedure safety. The laser output energy is constantly regulated by a signal from two energy meters.

The LightWalker® is the easiest, most efficient, clean cutting laser I have ever used. Having both the Er:YAG and Nd:YAG wavelengths in one system easily allows you to switch from one procedure to another at the touch of a button.

Mark Colonna, DDS

Tissue Effect Graphical Interface (TeGI)

LightWalker's TeGI technology provides a precise graphical indication of the laser tissue effect as you select the various treatment parameters. In other words, the system will guide you in terms of the effect on tissue for optimal patient safety, practitioner confidence and ease-of-use.



Easy access spray/heated water reservoir

The integrated spray water container means that you don't have to rely on any water mains outlet, making your laser system exceptionally mobile and hassle-free. The container is handily located at the back of the system for easy refilling access. Additionally, the water is heated to body temperature, avoiding cold sensitivity reactions during procedures.

Optimal mobility and Wireless footswitch

Four swiveling wheels allow for easy mobility of the laser system. LightWalker® also has an optional wireless footswitch that avoids unnecessary tangling of electric cables on your practice floor.

Supreme Clinical Results

Designed with the patient in mind

Shorter and More Effective Treatments

With LightWalker®, procedures are typically shorter, easier to perform and more effective. Laser treatments are by nature minimally invasive, and LightWalker® takes this concept to a new level.

Patient Comfort

Working with LightWalker® is less stressful for the patient because pain and bleeding are minimal if any. LightWalker® lasers are so gentle for cavity preparations and most soft-tissue procedures that patients rarely require any anesthetic. Laser light allows you to work in a non-contact way and without drilling noise, which is far more comfortable for patients, especially children. LightWalker® also allows you to achieve simultaneous disinfection and prevention of cross-contamination.

Unmatched Flexibility

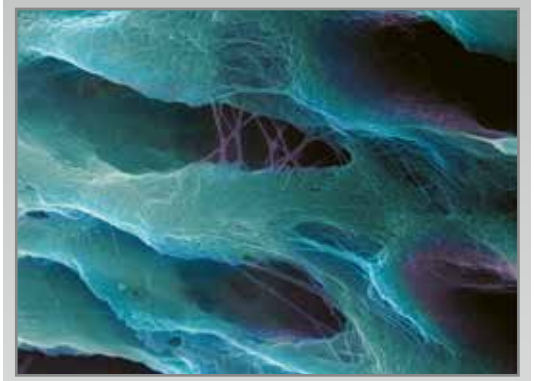
The Nd:YAG laser source is ideal for root canal disinfection, soft-tissue crown lengthening and numerous other applications. And LightWalker's Er:YAG laser is compatible with a set of over 20 specialized fiber tips, expertly designed to offer advanced options in conservative dentistry plus an additional range of lucrative, high-quality treatments in endodontics, periodontics, and implant recovery, areas you may otherwise have to refer out to specialists.

Return of investment is quite straightforward with the LightWalker® because, with any kind of treatment, we have big advantages. And it's easy for the patients to understand what they are. They are happy to have those treatments.

Ilay Maden PhD, MSc

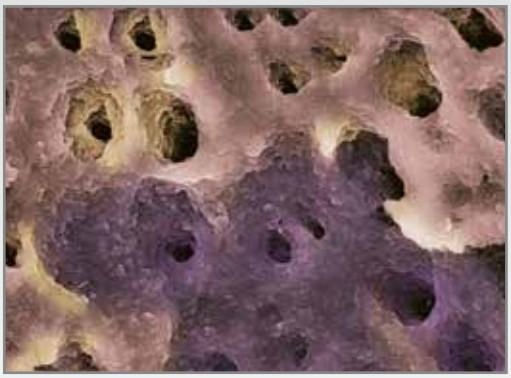
Direct pulp capping

Intact collagen fibers after laser treatment.



Preserved collagen fibrils of the intertubular dentin at the entrances to the dentinal tubules.

Courtesy of MDATG, LLC



After endodontic laser treatment the dentinal tubules are disinfected and fully open.

SWEEPS® Endodontic Treatment

Simple, gentle and powerful

The Fotona endodontic treatment with Er:YAG photoacoustic irrigation successfully addresses the major goals of endodontic treatment: to clean, debride and disinfect anatomically complex root canal systems, including lateral canals and dentinal tubules.

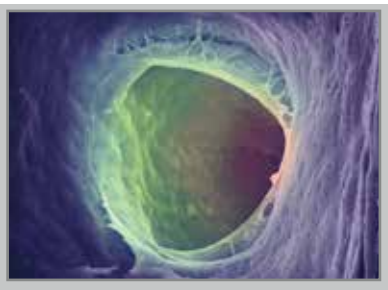
The powerful combination of the revolutionary **SSP** and **SWEEPS®** technologies in LightWalker® represents a unique and highly effective solution for modern endodontics.

1. **SSP** (Super Short Pulse) irrigation (also known as Photon Induced Photo-acoustic Streaming) uses the Er:YAG laser to create non-thermal photoacoustic waves within the cleaning and debriding solutions introduced in the canal. Following this photoacoustic treatment, the canals and sub canals are left clean and the dentinal tubules are free of a smear layer.

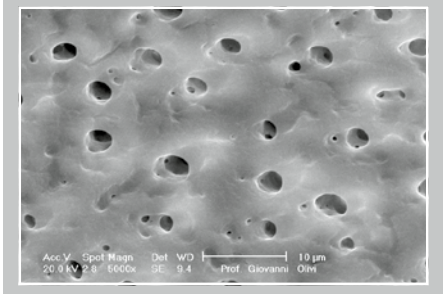
2. The latest **SWEEPS®** (Shock Wave Enhanced Emission Photo-acoustic Streaming) Er:YAG laser modality additionally improves the irrigation and disinfecting efficacy of laser endodontics. By using synchronized pairs of ultra-short pulses, an accelerated collapse of laser-induced bubbles is achieved, leading to enhanced shockwave emission inside even the narrowest root canals.

Resonant R-SWEEPS®

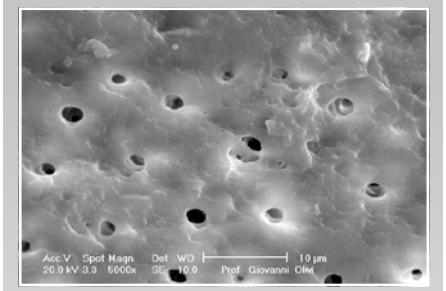
- patented solution for treatment procedure optimisation
- delivers highest possible laser-activated irrigation efficacy
- significantly enhances the effective flushing action of SWEEPS®
- increases pressure generation along the root canal without increasing the risk of apical extrusion



Following endodontic laser treatments with photoacoustic streaming, there is no smear layer around the opening of the lateral canal.



SEM picture after SWEEPS® at 6 mm from the apex



SEM picture after SWEEPS® at 1 mm from the apex

Courtesy of Prof. Giovanni Olivi MD, DDS

SWEEPS®

TwinLight® Periodontal Treatment

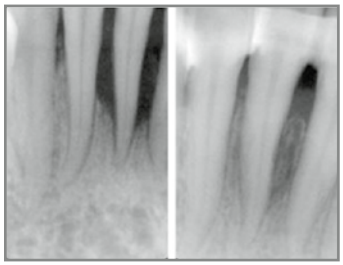
Wavelength-optimized Periodontal Treatments

"Lasers are really an essential part of periodontics, I believe. After using lasers in periodontics for 10 years I couldn't imagine one day trying to do periodontics without a laser. I'd be back in the Stone Age."

Alan Dalessandro, DDS

The TwinLight® approach enables wavelength-optimized treatments for minimally invasive periodontal therapy (WPT™), which create favorable conditions for healing periodontal tissues by removing the diseased epithelial lining of the periodontal pocket, removing microbial biofilm and calculus from the root surface and sealing the pocket after treatment with a stable fibrin clot.

Moreover, LightWalker® has been cleared for laser-assisted new attachment procedure and true periodontal regeneration of the attachment apparatus (new cementum, new periodontal ligament, and new alveolar bone) on a previously diseased root surface.

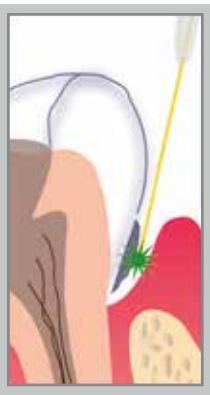


Bone regeneration observed on radiographic images after TwinLight® treatment.
Source: Baltimore Center for Laser Dentistry.

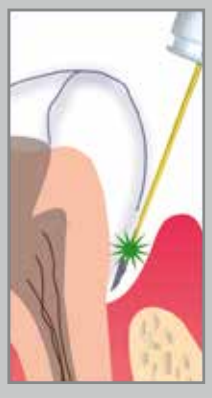
Key Advantages:

- No scalpels, no sutures
- Significantly enhanced treatment success rates
- Shorter recovery times
- Easy-to-follow protocols and one-touch treatment settings

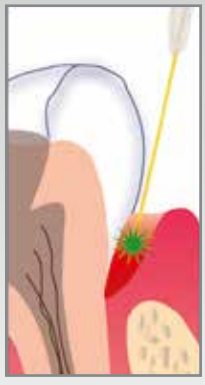
TwinLight® periodontal treatment



Step 1: the Nd:YAG laser removes the diseased epithelial lining and improves access to the root surface.



Step 2: Er:YAG is used to thoroughly remove calculus from the root surface.



Step 3: Nd:YAG laser energy is used to coagulate and leave a stable fibrin clot.

TwinLight®
Peri-implantitis Treatment

Minimally-invasive procedure

TwinLight® peri-implantitis treatment combines dentistry's two best laser wavelengths. Removal of granulation tissue from the alveolar bone and connective tissue with Er:YAG laser is selective. The bactericidal effect of Er:YAG on the surgical site is highly effective and the implant surface is completely cleaned without chemicals. The subsequent Nd:YAG treatment step promotes faster healing by decontaminating and biomodulating the tissue. Inflammation, swelling, and bleeding of soft-tissue lesions, which may lead to bone loss, can be handled without surgery, and healthy peri-implant tissue assures greater long-term implant success.

Peri-implantitis treatment

Key Advantages:

- Minimally-invasive technique
- No thermal or mechanical damage to the surrounding bone
- Fast regeneration/healing
- Reduced inflammatory response

"For me, the bestselling application is immediate implantation. Very often, when the tooth is fractured and you have to extract the root, there is a granulation soft tissue. With the laser I'm able to clean it thoroughly. I can disinfect the bone. So it's quite safe and predictable to do immediate implantation."

Michał Nawrocki, DDS, MSc

Removal of the soft-granulation tissue and ablation of the infected bone with Er:YAG

Removal of the bacterial biofilm on the implant surfaces with Er:YAG

Bacterial reduction and biostimulation of the bone tissue with Nd:YAG (never expose the implant surface to the Nd:YAG laser beam).

TouchWhite®
Laser-Assisted Tooth Whitening

Safe & patient-friendly treatment

TouchWhite® patented tooth whitening makes use of the fact that the Er:YAG laser wavelength has an absorption peak in water, which is the major component of aqueous bleaching gels. This eliminates the need for any additional absorbing particles in the bleaching gels. More importantly, taking into account thermal burden considerations, the TouchWhite® procedure represents the most effective and least invasive laser-assisted tooth whitening method possible.

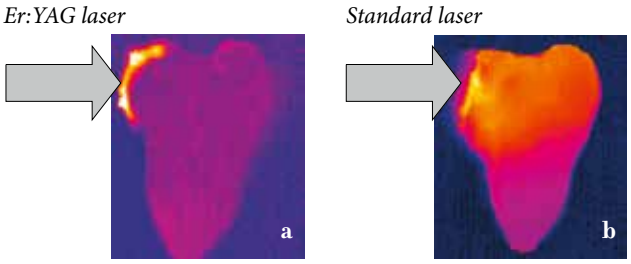
Due to its high absorption in bleaching gels, the Er:YAG laser beam is fully absorbed in the gel and does not penetrate to the hard tissue or the pulp. All of the laser energy is thus effectively used for the heating of the gel.

There is no direct heating of the dental tissue and the pulp, as is the case with other laser-assisted whitening methods. There is also no risk of accidentally damaging the hard dental tissue as the laser fluence of every laser pulse is set to be significantly below the ablation threshold for dental tissues. As a consequence, the procedure can be performed with a minimal undesirable thermal burden on the tooth, and the tooth whitening speed can be safely increased by 5 – 10 times.

Before
(A3 VITA Shade Guide)

Immediately after
(A1 VITA Shade Guide)

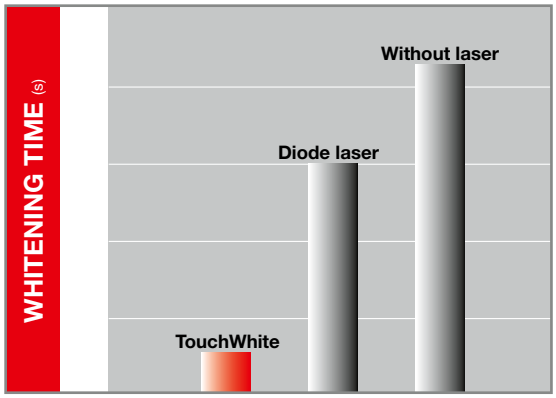
Courtesy of dr. J. Jovanović



With TouchWhite® whitening, only the gel is heated (a) while with standard laser whitening the entire tooth is heated (b).

"It is a very safe, very efficient, non-invasive technique due to the short application time of the product. So no sensitivity, no over-bleaching. I'm very happy."

Rita El Feghali, DDS, MSc



*TouchWhite® Tooth Whitening substantially shortens the whitening process.**

** J LA&HA 2011, No 1 Gutknecht N. et at, A Novel Er:YAG Laser-Assisted Tooth Whitening Method*

Facial Aesthetic Treatments

New treatment possibilities with natural results

In today's competitive healthcare industry it makes sense to widen horizons and develop strong healthcare partnerships through additional services. Apart from providing a wide range of hard- and soft-tissue dental treatments, Fotona's LightWalker® AT-S laser system also enables many popular facial aesthetic treatments which can draw a completely new clientele to your practice and offer more to your patients.

Unique Fotona SMOOTH® mode

Fotona's revolutionary non-ablative Fotona SMOOTH® mode treats the skin in a smooth, almost "feather-like" non-ablative manner, without bleeding and with precisely controlled temperature deposition. This makes it ideal for skin tightening. The intense, controlled surface tissue heating stimulates collagen remodeling and initiates neocollagenesis. The result is an overall improvement of wrinkles, skin laxity and elasticity.

Courtesy of R. Sult

Long-pulsed Nd:YAG ensures penetration to the deepest hair follicles to remove hair efficiently and safely, regardless of skin type, without affecting the surrounding skin structures.

Courtesy of R. Sult

Facial spider veins, telangiectasias and hemangiomas are removed with long-pulsed Nd:YAG via complete occlusion of the vessels.

"To be a dentist in the 21st century you have to get out of the mouth."

Linhlan Nguyen, DDS

Courtesy of Dr. Dovsak

Benign skin lesions are quickly removed with a minimally invasive and fast-healing Er:YAG treatment.

Unlimited Possibilities

Courtesy of dr. S. Koceva

With the Fotona3D™ non-surgical facelift, complementary Er:YAG and Nd:YAG wavelengths are applied synergistically in three different modes to rejuvenate and tighten the skin without needles, sutures or injectables.

Facial Aesthetic Skin Treatments with LightWalker®:

- LipLase® – lip plumping without injectables
- SmoothEye®
- Fotona3D™ non-surgical facelift
- Vascular lesion treatment
- Skin lesions removal
- Laser hair removal
- Acne treatments
- Skin rejuvenation
- Minimally invasive skin resurfacing

courtesy of: Jolanda Grayling, laser source: non-ablative Er:YAG

SmoothEye® gentle Er:YAG laser treatment for tightening and wrinkle reduction in the periocular region.

courtesy of: Jolanda Grayling

courtesy of: H. Shiffman, M. D.

courtesy of: N. Teovska Mitrevska, M. D.

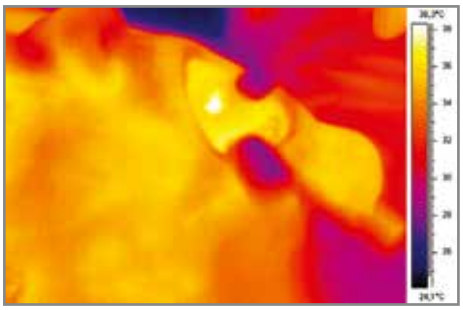
"If you just look at the business perspective, adding on what you are not already doing is probably the best option. If you're not doing any facial aesthetics, you start doing that with the LightWalker®. I think that's a big change."

Ilay Maden, PhD, MSc

In contrast to injectable fillers, the LipLase® Fotona SMOOTH® Er:YAG treatment is completely non-invasive, creating more volume by stimulating natural collagen and elastin production within the lips.

NightLase®
Snoring and Apnea Treatment

A non-invasive method for better quality sleep



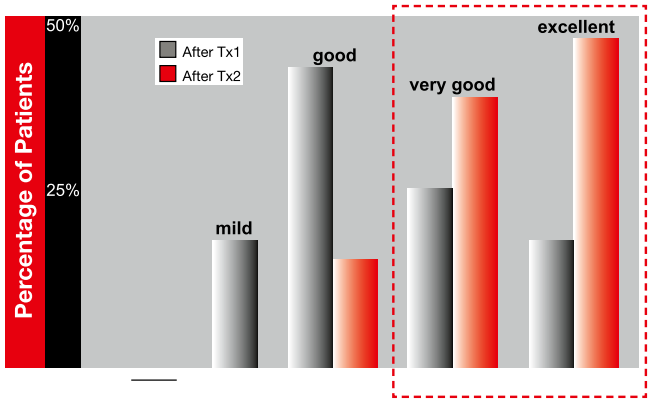
Preconditioning

Shiffman HS, Khorsandi J, Cauwels NM. Minimally Invasive Combined Nd:YAG and Er:YAG Laser-Assisted Uvulopalatoplasty for Treatment of Obstructive Sleep Apnea. Photobiomodul Photomed Laser Surg. 2021 Aug;39(8):550-557.

Images of one of the patients before (left) and after (right) three NightLase® treatments. (Shiffman et al. 2021)

NightLase® treatment is a patented, fast, non-invasive and friendly way of increasing the quality of a patient's sleep. NightLase® lessens the effects of sleep apnea and decreases the amplitude of snoring through the use of gentle, superficial Er:YAG laser light. No anesthesia is used in this treatment.

During NightLase® treatment laser light gently heats the tissue, causing tightening of the tissue. It is gentle enough to be used on the sensitive tissue inside the mouth, but strong enough to provide clinically efficacious heating. NightLase® is easy for any doctor or dentist to perform and has a high success rate in producing a positive change in sleep patterns. Research has shown that NightLase® reduces and attenuates snoring and provides an effective, non-invasive way to lessen the effects of sleep apnea.



NightLase® Reported Improvement

After the second treatment more than 80% of patients are reporting better than 50% improvement. Average improvement after one treatment session is 45% and after the second session 68%. (J. LA&HA 2011, Vol.1)

Courtesy of Lee&Lee 2015

Airway volume before and after NightLase® treatment showing increase in both total volume and area of minimum constriction.

Lee CYS, Lee CCY (2015). Evaluation of a non-ablative Er: YAG laser procedure to increase the oropharyngeal airway volume: A pilot study. Dent Oral Craniofac Res 1

Key Advantages:

- Safe and non-invasive
- Lessens the effects of snoring and sleep apnea
- Increases the quality of a patient's sleep
- Extremely easy for any doctor or dentist to perform

NightLase®
snoring treatment

"What attracted me to the LightWalker® was its ability to do aesthetic treatments as well as NightLase, a non-ablative laser treatment for snoring. The LightWalker® AT-S in my opinion is at the top of the game. I cannot imagine how the technology could be improved."

Linhlan Nguyen, DDS

Photobiomodulation and Pain Management

Effective laser wound healing and pain reduction

Before treatment

After treatment / 18 days

Before treatment

After treatment / 20 weeks

Courtesy of: Dr. Jason Pang, Australia

Treatment of facial nerve palsy due to Herpes Zoster infection

Photobiomodulation (PBM) utilizes low-level, visible-red to near-infrared light energy, which stimulates cells to naturally heal, relieve pain and reduce inflammation. LightWalker's Nd:YAG laser light has an optimal infrared wavelength that penetrates homogeneously into the tissue. The effect of the Nd:YAG wavelength on healing through the stimulation of growth factors is thus substantially higher than with other wavelengths.

The process creates three key mechanisms of action:

1. PBM energy is absorbed in mitochondria in the cell and results in an increase in ATP, a natural fuel for cell activity and metabolism.
2. The process creates mild oxidants (ROS), which leads to cellular repair and healing.
3. PBM therapy helps to dilate blood vessels and improves blood circulation.

Bacterial Cellulitis Treatment

Before treatment

After PBM therapy / 5 days

Courtesy of: Fotona, Slovenia

MarcCo™

A unique, collimated and homogenous beam profile

Available in three sizes:

MarcCo™ L, MarcCo™ M, MarcCo™ S

LightWalker® Clinical research library

Key Advantages:

- Safe, non-invasive and effective treatment
- Analgesic and anti-inflammatory effect
- Accelerated tissue regeneration
- Stimulation of micro-circulation and cell metabolism
- Increased lymphatic flow
- Patient and practitioner friendly

The LightWalker® Range

Laser model comparison chart

	Model	AT S	ST-E		
			ST-E Pro	ST-E Pro Plus	ST-E Advanced
Er:YAG	Power (W)	20	12	12	20
	Energy (mJ)	1500	900	900	1500
	Modes	SWEEPS, QSP, MAX, SSP, MSP, SP, LP, VLP, SMOOTH	SWEEPS, SSP, MSP, SP, LP, VLP	SWEEPS, QSP, SSP, MSP, SP, LP, VLP	SWEEPS, QSP, MAX, SSP, MSP, SP, LP, VLP, SMOOTH
	Optical delivery	OPTOflex	OPTOflex	OPTOflex	OPTOflex
Nd:YAG	Power (W)	15			
	Modes	MSP, SP, VLP, 15 ms, 25 ms			
	Optical delivery	Dual Fiber System			
General	Spray temperature regulation	✓	✓	✓	✓
	Handpiece autodetection	✓	✓	✓	✓
	Digital handpiece	✓	-	-	✓
	Dermatology	✓	-	-	✓
	Green pointer	✓	✓	✓	✓

- Photoacoustic Endodontics
- Titanium Handpieces
- Superior Power
- Variable Square Pulse Technology
- Digitally Controlled Dental Handpiece
- Facial Aesthetic Treatments
- Electronic Spray Control
- Multiple Er:YAG Fiber Tips
- TouchWhite® Laser Assisted Tooth Whitening
- Quantum Square Pulse
- Automatic Handpiece detection
- TwinLight® Perio Treatment
- Wireless Footswitch
- Tissue Effect Graphical Interface
- Peri-implantitis Treatment

New Revolutionary **Adaptive Structured Pulse** Technology

After Sales Support

Continuous Professional Development

Laser&Health ACADEMY

LA&HA Master's Program in Laser Dentistry

To get the most out of your LightWalker® system, our practitioner workshops, coorganized with the Laser and Health Academy, provide hands-on demonstrations of our lasers from international clinical experts. Fotona also works closely with other leading educational authorities in the field of laser dentistry to offer the **LA&HA Master's program** to help you on your path to becoming a top laser specialist.

Key benefits of the LA&HA Master's Program include:

- **200 hours** of active training by high-level industry experts and skilled professionals in multiple fields of dentistry
- **Module-based training** in a supportive and highly functional educational setting with the most efficient and up-to-date laser technologies
- **Hands-on clinical training** sessions with close supervision at advanced and highly experienced dental laser centers (live modules only).

www.laserandhealth.com
info@laserandhealth.com

"I've been using lasers for quite a while now and the amount of information that I've picked up over LA&HA Master modules has been really significant. For new laser users and even for experienced laser users I would very much recommend doing this course."

Dr. Timothy Johnston, Australia

LightWalker® Clinical research library

Advanced Easy-to-use Handpieces

Er:YAG

H02-N

Tipless (non-contact), 90°-angled Er:YAG handpiece

H14-N

90° degree tipped Er:YAG handpiece and straight tipped Er:YAG handpiece

H14-NS

90° degree tipped Er:YAG handpiece and straight tipped Er:YAG handpiece

R17

Tipless, non-contact Er:YAG straight handpiece with a collimated beam at 5 mm spot size

X-Runner

Robotic Scanner

deep, wide and precise geometrics up to 6 mm in diameter

R15

Dermatological, straight handpiece, with collimated 3 mm spot size

R16

Dermatological, straight handpiece, with collimated 7 mm spot size

PS04

Pixel structure Er:YAG handpiece with 7 mm spot size

PS04-LA

Pixel structure Er:YAG handpiece with intraoral LA adapter (spot size 10 mm)

LA adapter

Intraoral adapter for Er:YAG R16 and Nd:YAG (Genova, MarcCo S) handpieces

Nd:YAG

R21-C3

300 µm fiber-optic Nd:YAG handpiece

R21-C2

200 µm fiber-optic Nd:YAG handpiece

R30-A

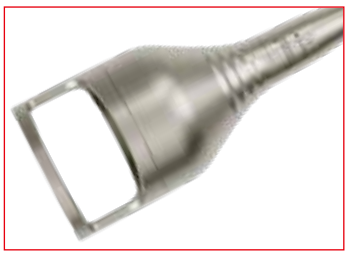
Nd:YAG dermatological handpiece with a variable 2 to 8 mm spot size

MarcCo S

Unique collimated homogeneous Nd:YAG beam with 10 mm spot size

MarcCo M

Unique collimated homogeneous Nd:YAG beam with 24 mm spot size



MarcCo L

Unique collimated homogeneous Nd:YAG beam with 43 mm spot size

Genova

Unique collimated homogeneous Nd:YAG beam with 10 mm spot size

LightWalker® Clinical research library

Fotona
choose perfection

SINCE 1964

Fotona's 55 years of laser experience has inspired some of the world's most advanced multi–application dental laser technologies. At the heart of Fotona's medical lasers are high–performance, solid–state crystal laser sources that generate the industry's proven and effective treatment wavelengths. These 'golden–standard' wavelengths are well suited for handling an exceptionally wide range of dental and facial aesthetic procedures. Fotona's proprietary handpieces, innovative operating modes and advanced beam–profile technologies further enhance these medical wavelengths to ensure maximum performance and efficacy.

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