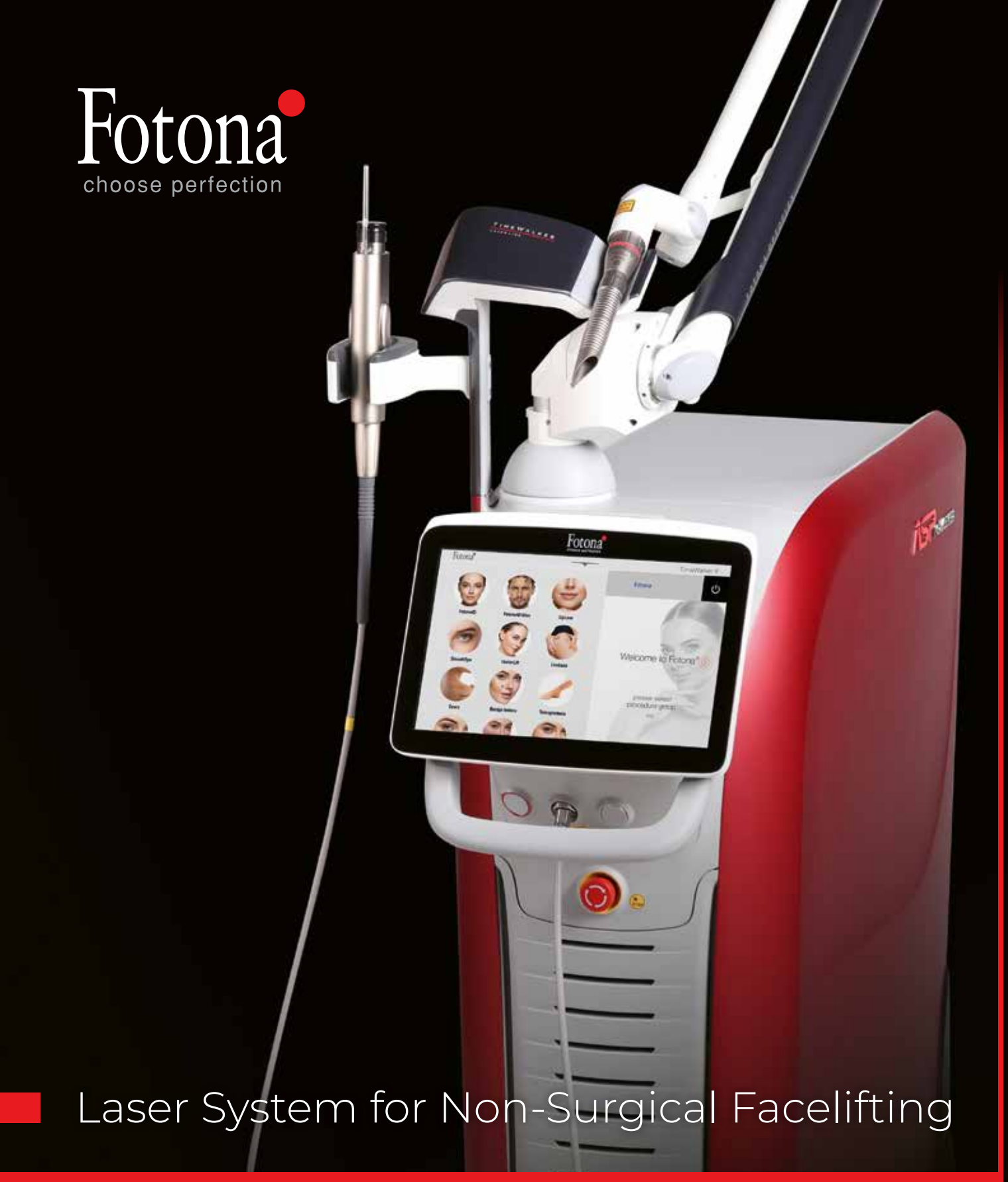
Fotona
choose perfection



Laser System for Non-Surgical Facelifting

TimeWalker® II

Fotona4D®

Committed to Engineering

The Highest Performance, Best Made Laser Systems in the World

TimeWalker® II Fotona4D®

TimeWalker® II Fotona4D® is a state-of-the-art Er:YAG and Nd:YAG aesthetic laser system dedicated to non-surgical facial aesthetic treatments.



Fotona4D®

DISCOVER A NEW ERA
IN SKIN REJUVENATION



- Large 10.1 inch display
- Advanced touch screen user interface
- Intuitive navigation & settings
- User-friendly application wizards
- Fully customizable memory for presets
- Treatment history & patient database
- Monitors treatment time & delivered energy
- For first-time users & advanced practitioners

A comprehensive minimally-invasive facial rejuvenation solution with natural looking results

Fotona4D®

NON-SURGICAL FACELIFT

Fotona4D® Men

FACIAL REJUVENATION FOR MEN

ADDITIONAL FACIAL TREATMENTS

SmoothEye®

PERIOCULAR WRINKLES

LipLase®

LIP PLUMPING

VectorLift®

EYEBROW LIFTING

SuperSMOOTH™

SKIN REJUVENATION

And more

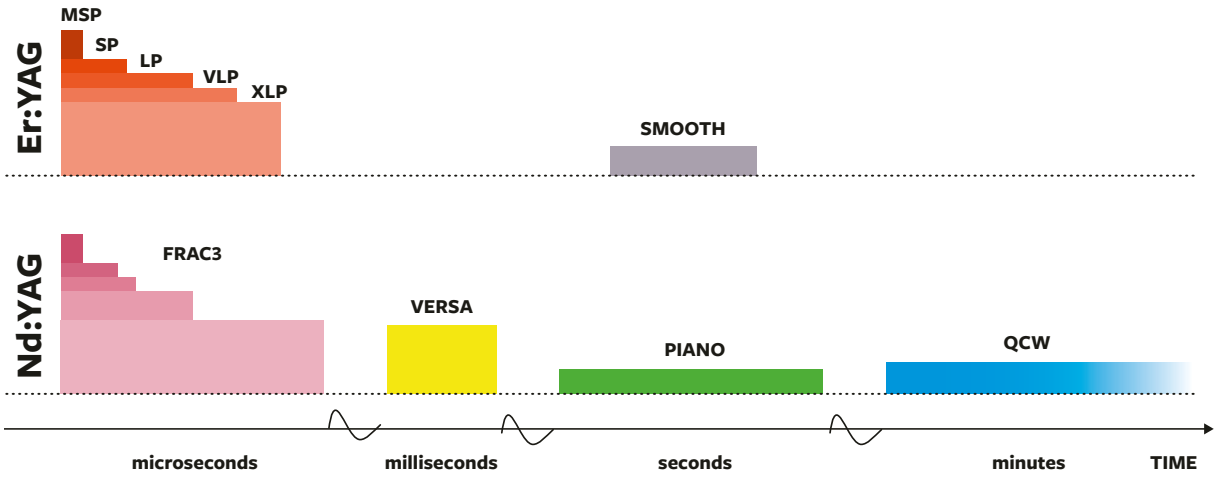
- Small vascular lesions
- Acne treatment
- Scar revision
- Small area hair removal
- HAIRestart® stimulation of hair growth



Technology in Action

THIRD GENERATION ASP TECHNOLOGY

- ASP (Adaptive Structured Pulse) technology adapts the temporal structure of the laser pulse to the biophotonic dynamics of laser to tissue interaction.
- TimeWalker's proprietary ASP power supply provides several UNIQUE laser modalities

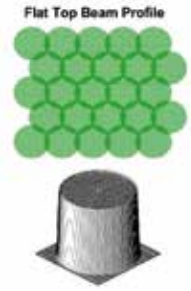


MULTI-CHANNEL FEEDBACK CONTROL

- Actively monitors and regulates each individual laser pulse's energy level for SAFE and REPRODUCIBLE treatments

TOP-HAT BEAM PROFILE

- Uniform energy distribution for safer treatments & more predictable results



Designed with the Practitioner in Mind

Patented OPTOflex® arm

- Weightless in your hand
- Perfectly balanced during use
- Ensures a high-quality laser beam

Two Optimal Wavelengths Combined Er:YAG (2940 nm) Nd:YAG (1064 nm)

- For a full range of options to address all skin layers

Titanium Accessories

- Durable
- Light & ergonomic

User Interface

- Easy-to-use graphical display
- Short learning curve with presets & easy adjustments

MatrixView® Temperature Monitor

- Ensures effective temperature-controlled treatments for ultimate patient comfort

Wireless Footswitch

- No tangling of electric cables



Fotona4D®

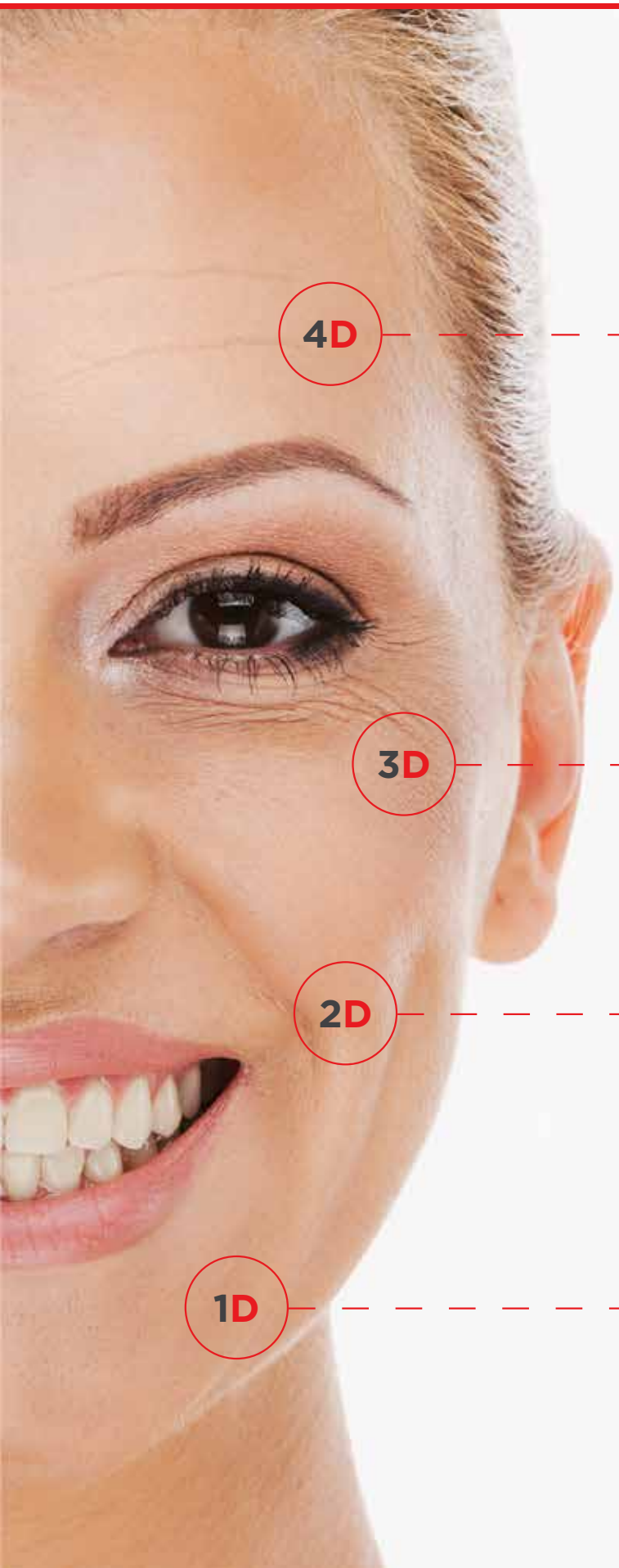
Non-Surgical Facelift

- Without surgery
- Without injectibles
- Little-to-no downtime

FOTONA4D® IS A COMPREHENSIVE APPROACH

- Addresses deeper, medial and superficial connective structures
- Boosts collagen stimulation with the unique Fotona SMOOTH® modality
- Continuous improvement for up to 6 months after treatment
- An investment in skin quality via a safe, non-surgical procedure





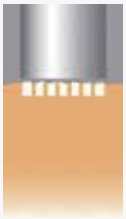
4 STEP PROTOCOL

4D

STEP 4:
LIGHT PEEL

SupErficial modality Er:YAG

The final step in this comprehensive treatment delivers a cold, accurate and precise Er:YAG light peel, which improves the appearance of the skin, reduces superficial imperfections, and restores and renews the skin.



3D

STEP 3:
SKIN TIGHTENING

PIANO™ modality Nd:YAG

The next-generation, super-extended PIANO™ mode provides full-thickness bulk heating for safe and controlled tightening of the dermis and epidermis, while sparing the skin from unnecessary thermal damage.

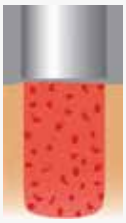


2D

STEP 2:
REJUVENATION

FRAC3® modality Nd:YAG

Revolutionary FRAC3® technology produces a 3-dimensional fractional pattern in the epidermis and dermis, which selectively targets specific tissue chromophores for treatment of deeper, age-related skin imperfections, initiating neocollagenisis and healing without damaging the epidermis, regardless of skin type.



1D

STEP 1:
INTRAORAL TIGHTENING

SMOOTHLiftin™ modality Er:YAG

Utilizing patented Fotona SMOOTH® Er:YAG technology in an industry first, non-ablative, intraoral treatment, controlled and gentle laser energy improves nasolabial folds, perioral wrinkles and sagging jowels while delivering rejuvenating facial tightening from the inside-out.



Fotona4D®

Before and After



Courtesy of: **Lionel Chang, M.D.**



Courtesy of: **Oksana Terpelivets, M.D.**



Courtesy of: **Oksana Terpelivets, M.D.**



Courtesy of: **Mojgan Abdeh**



Courtesy of: **Tania Phillips, M.D.**

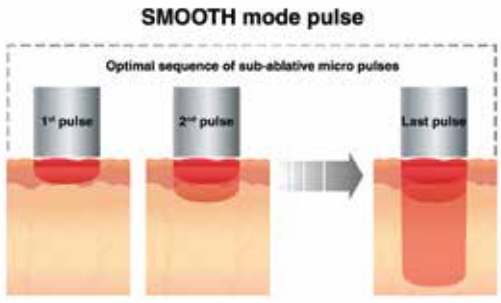


Courtesy of **Anna Dimitrieva**

Innovative Pulse Modes for Highest Performance

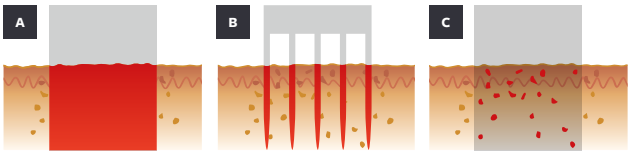
Fotona SMOOTH® Mode Er:YAG

Fotona SMOOTH® mode enables non-ablative laser skin remodeling based on controlled induction of thermal injury of the collagen while preserving the epidermis. In addition to an immediate effect resulting in the shrinkage of collagen fibers, the initiation of neocollagenesis occurs causing the generation of new collagen. The effects result in an overall improvement of laxity and elasticity in the treated tissue.



FRAC3® mode Nd:YAG

A novel non-ablative, three-dimensional fractional modality for skin treatments. FRAC3® utilizes the short pulse duration and high peak power density of Fotona VSP™ generated Nd:YAG laser pulses to produce a three-dimensional fractional pattern in the epidermis and dermis, with damage islands that are predominantly located at the sites of targeted skin imperfections.



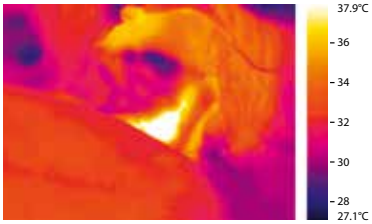
Standard uniform laser treatment

Standard two-dimensional fractional treatment

Three-dimensional FRAC3® laser treatment

PIANO™ Mode Nd:YAG

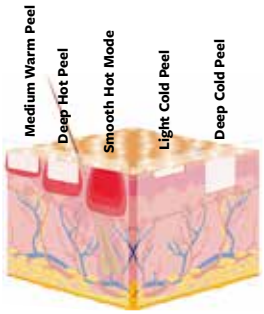
This new, super-long modality extends the duration of Nd:YAG treatments to the seconds regime. This is much longer than the thermal relaxation time of the epidermis or any other skin structures, and does not cause high initial temperature peaks in the epidermis. It is therefore indicated for treatments where overall homogeneous, bulk heating of the dermis is desired.



Controlled bulk heating

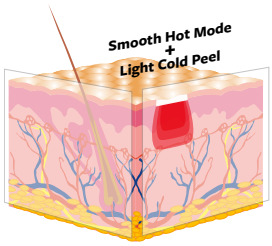
ASP Mode Er:YAG

Er:YAG laser utilizes a unique wavelength that is absorbed within a few microns of tissue, thus avoiding any damage to deeper-lying tissues. ASP technology enables the operator to easily adjust the laser treatment modality from micro-short (MSP) to extra-long (XLP) pulses in order to precisely balance the removal of epidermis with thermal effects on collagen.



Super SMOOTH Mode Er:YAG

Super SMOOTH mode combines Fotona's SMOOTH and ASP laser modalities in a single step. The Super SMOOTH mode delivers laser energy in a dual manner, starting with a SMOOTH sequence of low-fluence pulses to heat up the deeper lying skin layers, followed by a high-fluence ASP SupErficial single pulse to ablate the hottest uppermost superficial skin layer. The Super SMOOTH mode thus delivers the total energy of both modalities in a very short time with a reduced final superficial temperature.



Fotona4D® Men

Minimally-Invasive Laser Facial Rejuvenation

- Protocol settings tailored specifically for men
- Restores freshness and tightness
- Natural-looking results
- Minimally-invasive
- Little-to-no downtime

Fotona4D®Men is an innovative form of laser skin resurfacing and rejuvenation tailored specifically for male skin.

The four protocol steps in the Fotona4D®Men treatment have been designed to provide optimal laser treatment for whole face minimally-invasive rejuvenation in men.

Step 1: SmoothLiftin™ – intraoral tightening

Step 2: SMOOTH™ – remodeling – rejuvenation & collagen remodeling

Step 3: PIANO™ – deep heating & synergistic tightening

Step 4: SupErficial™ – light peel



Courtesy of: **A. Gaspar, M.D.**



Courtesy of: **A. Gaspar, M.D.**



Courtesy of: **A. Gaspar, M.D.**

SmoothEye®

Tightening of Periocular Region to Reduce Wrinkles

- Restores freshness and tightness
- Stimulates collagen remodeling and initiates neocollagenesis
- Gentle, fast and non-invasive

SmoothEye® is a non-ablative Fotona SMOOTH® mode treatment for tightening of the periocular region and reducing the appearance of periorbital wrinkles. SmoothEye® significantly tightens loose and aging skin of the eyelids and periocular region with little-to-no downtime, making this a very sought after non-invasive cosmetic procedure.

The non-ablative Er:YAG SMOOTH® mode is applied to stimulate collagen remodeling and contraction. The entire periocular region is covered, including regions above, below and lateral to the eye. The therapy is very well tolerated by patients.



Courtesy of: **Tania Phillips, M.D.**



Courtesy of: **Michael Lam, M.D.**



Courtesy of: **Pinita Wanumkarng, M.D.**



Courtesy of: **Jolanda Grayling**

LipLase®

Fuller Lips
Without Injectables

- Non-invasive plumping for fuller and smoother lips
- Stimulates collagen remodeling
- Initiates new collagen synthesis
- No downtime

LipLase® provides an immediate response that patients will notice.

In contrast to injectable fillers, LipLase® is a non-surgical, non-invasive treatment, and there is nothing artificial as patients develop their own collagen in their lips.

LipLase® is an ideal option for patients that are afraid of needles and want natural-looking results.



Courtesy of: **H. Shiffman, M.D.**



Courtesy of: **Ivan Peev, M.D.**



Courtesy of: **N. Teovska Mitrevska, M.D.**

VectorLift®

Non-Invasive Laser Eyebrow Lifting

- Forehead eyebrow elevation
- Eyelid tightening
- Natural-looking results
- Little-to-no downtime

This unique 3-step protocol provides an enhancement of peri-ocular and brow aesthetics via elevation of the eyebrow tail and tightening of the upper eyelids.

VectorLift® provides the optimal balance between immediate tissue tightening (superficial contraction), new collagen formation (long-term rejuvenation) and the use of fluences that are gentle and comfortable for the patient. This protocol is comfortable and non-aggressive, allowing patients to return immediately to their normal routines.



Courtesy of: **Adrian Gaspar, M.D.**



Courtesy of: **Roberto Valdivia Sing, M.D.**



Courtesy of: **Adrian Gaspar, M.D.**



Courtesy of: **Carlos Gaspar, M.D.**

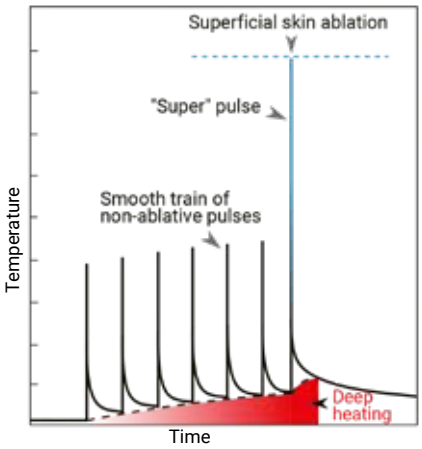
SuperSMOOTH™

Dual-Mode Skin Rejuvenation

- Two complementary modalities combined in a single treatment for enhanced effectiveness
- Fast treatments with minimal downtime
- Improved skin texture and a healthy, radiant glow
- Enhanced collagen remodeling for visibly firmer skin
- Natural-looking rejuvenation with high patient satisfaction
- No anesthesia required

SuperSMOOTH™ is a safe, effective and minimally invasive solution for skin rejuvenation. It combines non-ablative skin tightening with a gentle superficial peel in a single streamlined hybrid Er:YAG laser treatment. By integrating two proven Er:YAG technologies into one optimized pulse sequence, SuperSMOOTH™ delivers fast, enhanced rejuvenation with minimal discomfort and downtime.

This treatment is ideal for patients seeking natural rejuvenation, those showing early signs of aging (prejuvenation) and patients who want visible results with minimal disruption to daily life.



Two steps combined into one for enhanced rejuvenation and reduced treatment time: An Er:YAG laser SMOOTH sequence (example shown for N = 6) generates elevated dermal temperatures, followed by a gentle superficial ablative Er:YAG pulse.



Courtesy of: **Fotona**



Courtesy of: **Fotona**



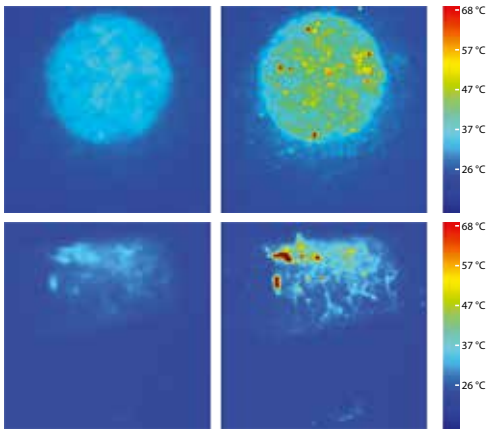
Courtesy of: **Fotona**

Other Popular Facial Treatments

FRAC3® Skin Rejuvenation

FRAC3® is a non-ablative treatment modality used for dermal rejuvenation. The three-dimensional fractional modality produces micro-wounds in the aged or damaged dermis and epidermis. The natural healing response of the skin then acts to repair the micro-wounds, thereby safely rejuvenating the skin.





Skin surface temperature thermal image following a long pulse and FRAC3® Nd:YAG laser pulse. Temperature fractionality can be observed following illumination with a FRAC3® pulse.

Active Acne Treatment

Fotona offers a laser acne treatment protocol that provides solution to the problem of acne without the use of systemic drugs. Fotona's precisely controlled Nd:YAG laser light safely penetrates into skin to effectively target overactive sebaceous glands and reduce the risk of developing new acne inflammation.



Courtesy of: **NuSkinnovation**



Courtesy of: **Tania Phillips, M.D.**

Scar Revision

Lasers are ideally suited for the effective treatment of a wide range of scar tissues. Er:YAG skin resurfacing is used for gentle ablation of scar tissue and activation of collagen remodeling. Acne scars in particular respond well to Er:YAG treatments. For hypertrophic scars, clinical research conducted with the Nd:YAG wavelength show further improvement in the aesthetic appearance and overall tissue quality of a scar, including erythema, volume and pliability.



Courtesy of: **S. Velez Ocampo, M. D. and J. C. Velez Ocampo, M. D**



Courtesy of: **Nicolas Rygaloff, M.D.**

Offer More to Your Patients with **ComfortLase**™

Photobiomodulation (PBM) therapy is a clinically proven, minimally-invasive solution for a wide variety of wound healing and pain management applications. PBM utilizes low-level infrared light energy, which stimulates cells to naturally heal, relieve pain and reduce inflammation. Additionally, the process results in accelerated tissue regeneration, stimulation of cell metabolism, increased lymphatic flow and stimulation of micro-circulation. ComfortLase™ procedures are fast, simple, minimally-invasive and highly effective.

Treatment of facial nerve palsy due to Herpes Zoster infection



Courtesy of: **Jason Pang, M.D.**

Bacterial Cellulitis Treatment



Courtesy of: **Fotona**

World Class Support

LA&HA SYMPOSIUMS

- Global & Regional

ON-LINE SUPPORT

- My Fotona
- Fotona App
- Fotona User Group

TRAININGS

- Led by leading international laser experts
- Live demos and hands-on
- Explore all areas of medical lasers
- Great experience-sharing opportunity







THE LASER AND HEALTH ACADEMY (LA&HA) IS FOTONA'S PARTNER IN EDUCATION & CLINICAL RESEARCH ON MEDICAL LASER APPLICATIONS.

Laser&Health ACADEMY®

www.laserandhealth.com

THE LASER AND HEALTH ACADEMY

The Laser and Health Academy (LA&HA®) is a not-for-profit organization dedicated to the promotion of research, education and publishing in the field of laser medicine.

RESEARCH: LA&HA® collaborates with industry, medical professionals and universities on projects aimed at the development and improvement of laser applications.

EDUCATION: LA&HA® serves as a platform for continuous education, with a focus on practical instruction and the demonstration of laser techniques and procedures, delivered through a variety of workshops and seminars by experienced lecturers.

For registration and more details on workshops & training visit: www.fotona.com/en/workshops

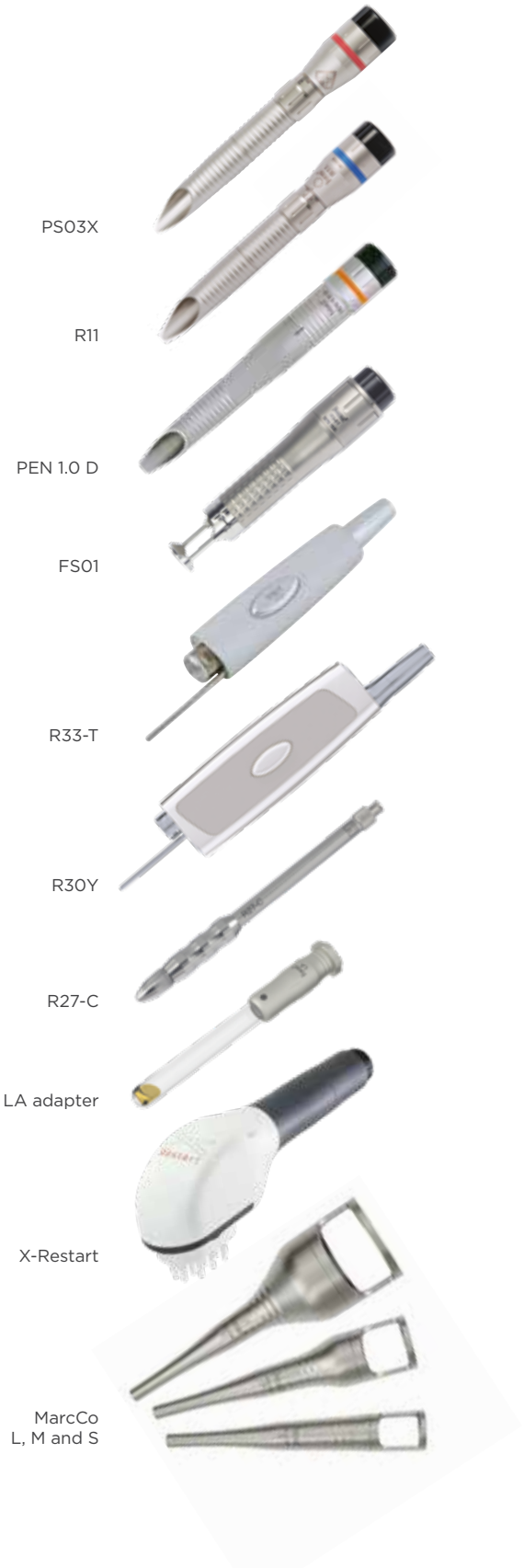
TimeWalker® II Fotona4D®

Laser Range

CONFIGURATION	Er:YAG	Nd:YAG
Fotona4D®	12 W, 0.9 J MSP, SMOOTH	30 W, 10 J FRAC3, PIANO
Fotona4D® PRO	20 W, 1.5 J MSP, SP, LP, VLP, SMOOTH	30 W, 20 J FRAC3, PIANO, VERSA, PLLT, QCW

	Fotona4D®	Fotona4D® PRO
Fotona4D®	•	•
Fotona4D® Men	•	•
SmoothEye®	•	•
LipLase®	•	•
VectorLift®	•	•
LineLase™	•	•
SuperSMOOTH™		•
HAIRestart®		•
Skin Resurfacing		•
Scars		•
Active Acne		•
Small Vascular Lesions		•
Rosacea		•
Benign Lesions		•
Small Area Hair Removal		•
ComfortLase™		•
Nd:YAG Surgery		•

Medical Grade Titanium Accessories



Scientific Evidence

Histological and immunohistochemical changes in facial skin treated with combined ablative and non-ablative laser therapy.
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Periocular rejuvenation using a unique non-ablative long-pulse 2940 nm Er:YAG laser Ashraf Badawi, Tarek Sobeih, Jasmina Vesel.
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Correction of nasolabial folds wrinkle using intraoral non-ablative Er:YAG laser. Howyda ME, Khaled G
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Intense Heat-Shock Biomodulation (i-HBM) of Skin and Mucous Cells with the Fotona SMOOTH® Er:YAG Laser Modality.
Matjaz Lukac, Irena Hreljac, Sasa Terlep, Marcelo Tettamanti.
J LA&HA - J Laser Health Acad 2022; 2022(1):onlineFirst.

Reduction of the Volume and Wrinkles under the Eyes using Non-Ablative 2940 nm Er:YAG Laser on the Lower Eyelid Palpebral Conjunctiva.
Kim Jong-Gu, Anže Zorman.
J LA&HA - J Laser Health Acad 2018; 2018(1):36-38.

CLINICAL NOTES

Complete Peri-orbital Rejuvenation with Fotona SMOOTH®.
Carlos Gaspar Jr, MD.
J LA&HA - J Laser Health Acad 2023; 2023(1):CN12.

Fotona4D®Men - Rejuvenation for Men.
Adrian Gaspar, MD.
J LA&HA - J Laser Health Acad 2021; 2021(1):CN22

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Adrian Gaspar, MD.
J LA&HA - J Laser Health Acad 2021; 2021(1):CN23.

Modified SmoothEye™ Protocol.
Romina Zadehkabir, MD.
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SmoothEye – Periocular Rejuvenation with Er:YAG SMOOTH Mode.
Dr. Tania Phillips.
J LA&HA - J Laser Health Acad 2018; 2018(1):CN05

More clinical articles and cases available on www.laserandhealthacademy.com

Fotona App:

Fotona
choose perfection

Committed to Engineering

THE HIGHEST PERFORMANCE, BEST MADE LASER SYSTEMS IN THE WORLD

since 1964

WHY DOCTORS CHOOSE FOTONA

DOING MORE FOR OUR PATIENTS

"I have been impressed by Fotona4D's versatility and efficiency, especially for bulk heating in PIANO mode. "I can heat the skin so much more efficiently than with anything else out there. It saves me time, numbing cream and pain management". "In my experience it's proven to be one of the most efficient, least costly methods of skin tightening for me as a provider. It's about doing more for our patients and practices, and Fotona4D® enables us to accomplish these objectives."

— Mark B. Taylor, MD

MULTI-DIMENSIONAL CHOICE

"The Fotona4D® facelift gives the physician a new and powerful non-invasive therapy. With Fotona4D®, our patients now have a multi-dimensional choice of safe and effective treatment options for their aesthetic needs. Fotona4D® provides a comfortable and painless treatment that does not require consumables or downtime."

— Adrián Gaspar, MD

NATURAL LOOKING RESULTS

"I love that I can provide my patients with long lasting, natural looking results. I am able to tighten, volumize and restore collagen to the face while improving skin tone and texture to restore my patients' youthful appearance without the risk of injectables and no downtime. My patients are delighted with the 'natural glow' of their new skin!"

— Tania Phillips, MD

IT TACKLES PROBLEMS OTHERS FIND DIFFICULT TO ADDRESS

"Fotona4D® face-lifting tackles problems of laxity around the mouth and jowls, which other systems or surgery will find difficult to address. This is a relatively painless procedure with no downtime."

— Hong Tan, MD

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EU

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Tokyo
Japan

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08037 Barcelona
Spain
EU

All Fotona medical lasers are CE marked and approved to be sold in the EU. For countries where specific national approvals or clearances are required, some of the products and/or applications may not yet have been approved. Please check with Fotona, your local Fotona distributor or your national regulatory body about whether a specific product or application has been approved to be marketed and sold in your country.

The availability and inclusion of handpieces are subject to the specific offer provided by the local distributor. Products, configurations, and technical specifications may be changed without prior notice.

For related patents see: www.fotona.com/patents



CE 0123

M021-5AF/1
M002-6A/2

114598 CE ENG/3

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