



Fotona4GLOW™: Dual-Laser Synergy for Multi-Layer Skin Rejuvenation

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Introduction:

Fotona4GLOW™ is a multi-step combination laser protocol engineered to deliver the signature Fotona glow in a single, efficient session. By harnessing the synergistic interactions of complementary laser modalities from StarWalker® PICO Pro and Dynamis® Max, the protocol provides a fast and comprehensive approach to facial rejuvenation with high patient satisfaction.

Fotona4GLOW™ addresses the key root causes of dull skin complexion in one session using a 4-step protocol:

Step 1: Toning — improves unwanted pigmentation in the dermis to achieve even skin tone.

Step 2: FRAC3® — reduces pore size and diminishes redness by targeting small vessels and stimulating natural collagen production.

Step 3: PIANO — delivers deep heating for collagen remodeling and synthesis to promote overall skin firming.

Step 4: FracTAT® — improves skin texture and enhances glow through skin remodeling.

Laser	Fotona StarWalker® PICO Pro	Fotona Dynamis® Max	Fotona Dynamis® Max	Fotona StarWalker® PICO Pro
	Step 1: Toning	Step 2: FRAC3®	Step 3: PIANO	Step 4: FracTAT®
Wavelength	1064 nm	1064 nm	1064 nm	1064 nm
Pulse Modality	PICO	FRAC3®	PIANO	PICO
Handpiece	Black Beam	R35Nx	R35Nx	Black F9
Pulse Duration	300 ps	0.6 ms	5 s	300 ps
Fluence	1.2 J/cm ²	30 J/cm ²	200 J/cm ²	3 mJ/px
Frequency	10 Hz	5 Hz	-	2 Hz
No. of Pulses	2000 pulses for the whole face	2000 pulses for the whole face	Up to 42°C	2 Passes
Spot size	8 mm	4 mm	9 mm	9x9 mm
Cooling	Yes	Yes	No	Yes



Dr. Lucas Liang-Choong Chia received his medical training from Queen's University of Belfast, UK, and holds a Diploma in Practical Dermatology from the University of Cardiff, UK. He is a Member of the Royal College of Physicians and a Fellow of the Royal College of Physicians of Glasgow and Edinburgh. Dr. Chia is the Founder and Medical Director of the IDO'S Clinic chain in Malaysia and WeCoMed Clinic in Singapore. He also serves as Medical Director of the Apex Cosmeceutical Group. With extensive teaching experience in internal medicine and cutaneous lasers, he frequently lectures internationally and appears on Malaysian live TV. In 2024, he was appointed an official Fotona Ambassador.



Dr. Hooi Lai Foong is a senior physician with extensive clinical experience in laser dermatology. She holds a Doctor of Medicine degree from Nizhny Novgorod State Medical Academy and a Graduate Diploma in Family Practice Dermatology from the National University of Singapore. She has substantial experience in Fotona laser treatments, particularly in skin rejuvenation, pigmentation management, and non-invasive aesthetic procedures.

CLINICAL CASE:

Four subjects (age 20-28) presenting with dull skin complexion, enlarged pores, inflammatory erythema and hyperpigmentation underwent a single session of Fotona4GLOW™. The face was cleansed thoroughly before the procedure, and anesthetic cream (Benzocaine 20%, Lidocaine 6% and Tetracaine 4%) was applied for 45 minutes prior to the treatment. Subjects reported the treatment procedure as being tolerable. Special care must be taken when performing long-pulse Nd:YAG procedures under topical anesthesia, since patient feedback is limited and the risk for complications is therefore higher. The procedure was fast, lasting about 20 minutes. Erythema across the treated area with pinpoint bleeding was observed over regions with thinner skin and hyper vascular zones, consistent with fractional PICO impact. This was followed by skin dryness, roughness and micro-scabbing. Full surface recovery was expected from Day 7. The subjects were instructed to use moisturizer diligently, avoid the sun and use sun-protection cream. From day 10 onwards, the subjects reported: 1) Reduction of pigmentation, redness, large pores. 2) Improvement of skin tone and textural smoothness. 3) Enhancement of skin glow. All four subjects also reported feeling more confident without makeup. There was significant positive impact on daily appearance and social interactions. Moreover, there was overall satisfaction with the natural-looking outcomes. Photographs were taken before, and 28 days after the Fotona4GLOW™ treatment.



The combination of PICO Toning, FRAC3®, PIANO, and FracTAT® steps worked cohesively to refresh the complexion, and all four subjects reported feeling more confident and satisfied with the naturally radiant outcome.

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