



StarWalker® MaQX-Tone™ Treatment for Toning, Whitening and Rejuvenation in Asian Skin

WK Book

Introduction:

Toning, whitening and rejuvenation are the most looked-after results from patients coming for laser treatments in South-East and East Asian countries. In this Clinical note, we present an innovative 4-step approach for toning, whitening and rejuvenation, using two laser wavelengths in 4 different laser modalities, combining a full-spot and fractional treatment approach.

Laser	StarWalker MaQX			
	Step 1	Step 2	Step 3	Step 4
	Fractional long-pulse KTP for skin whitening	Full spot Q-switched KTP for toning and rejuvenation	Fractional FRAC3 mode for full face rejuvenation and improvement of skin texture	Fractional Nd:YAG VERSA mode focused on skin imperfections
Wavelength	532 nm	532 nm	1064 nm	1064 nm
Handpiece	FS50d	R29d	FS20Bd	FS20Bd
Fluence/Energy	3.4 mJ/px	0.4 J/cm ²	210 mJ/px	297 mJ/px
Mode	VERDE, 15 ms	MAQX-10	FRAC3	VERSA, 15 ms
Frequency	1 Hz	1.5 Hz	1.5 Hz	1 Hz
Passes	2 complete passes	2 complete passes	2-6 complete passes (depending on patient's tolerability)	1 pass focused on skin imperfections – acne, wrinkles, atrophic scars
Spot size	9x9 mm, 25 px	20 mm	5x5 mm, 25 px	5x5 mm, 25 px
Sessions	2 sessions, 1 month apart			



WK Book graduated from University of Hong Kong, B.Sc. Electronic Engineering He worked as IC design Engineer in Hitachi electronic Asia Ltd. In 1997, he Started a career in medical laser in Coherent Inc. from 1997 to 2005. In Coherent, he learned medical applications with lasers ranged from ophthalmology (argon, krypton, Nd:Yag, diode DPSS lasers), refractive ophthalmology (excimer lasers), urology (Holmium laser), dermatology (CO2 Laser, Q-switch, Alexandrite Lasers) dental (diode laser, CO2 laser), ENT(CO2 laser), and surgery(CO2 laser). In 2005, he became Fotona representative. They organize hands on training and basic laser class for laser therapists and doctors. Most important, they explore new treatment protocols to solve skin problems with Fotona Laser Systems.

Method

In the first two steps, the KTP wavelength of 532 nm is used. In the first step, VERDE mode is delivered using a fractional handpiece in order to whiten the skin and remove the yellowish pigment. Two passes are performed over the complete face. In the second step, full-spot KTP in Q-switched mode is delivered using the R29 handpiece for full facial toning. To make the skin less sensitive to the green (KTP) toning, chamomile serum was applied before treatment. As in the previous step, two passes are performed. In the third step, fractional Nd:YAG is delivered over the whole face using 0.6 ms FRAC3 mode in order to even-out the skin texture. In the fourth step, VERSA mode is used in a fractional mode with the FS20B handpiece. The treatment in the last step is focused on areas with skin imperfections, such as acne, wrinkles or atrophic scars. After the treatment, a sweet honey face mask was used to calm down the skin reaction.

CLINICAL CASE:

A female patient of East Asian origin (skin type III) was treated using the novel 4-step protocol, as described in the Method section. Two treatment sessions were performed, with a one month interval between sessions. A photograph was taken before, immediately after the first session and immediately after the second session.

The treatment is minimally invasive, producing just mild transient erythema. No anesthesia was necessary. The treatment resulted in lightened skin tone and more even skin texture. The patient reported very high satisfaction with the result.

Fractional delivery of long-pulsed Nd:YAG and KTP is an innovative approach that is gentle and effective, and combined with Q-switched KTP toning produces excellent results and patient satisfaction.



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