



One-Session Facial Rejuvenation and Toning with the StarWalker MaQX Laser

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Introduction:

Toning, whitening and rejuvenation are the most sought-after procedures from patients coming for laser treatments in the Eastern Mediterranean countries. In this Clinical note, we present an innovative 4-step approach for toning, whitening and rejuvenation, using a single laser wavelength in 3 different laser modalities, combining a full-spot and fractional treatment approach.

Laser	StarWalker MaQX Nd:YAG			
	Step 1	Step 2	Step 3 (A)	Step 3 (B)
Wavelength	1064 nm	1064 nm	1064 nm	1064 nm
Handpiece	R28	R28	FSS20Ad	FSS20Ad
Spot size/ Fiber tip	7 mm	4.5 mm	9x9 mm	9x9 mm
Energy/Fluence	2.7 J/cm ²	18J/cm ²	8.5 mJ/pixel	50 mJ/pixel
Mode/Pulse	Q-switched MaQX-1	FRAC 0.6	Fractional QS MaQX-1	Fractional QS MaQX-10
Frequency	4 Hz	3 Hz	3 Hz	1 Hz
Passes/Repeats	4-6	9-10	1	1-2
Sessions	One session			
Anesthesia	Topical anesthetic (prilocaine 5% and lidocaine 15%)			
Cooling	Yes			



Dr. Ibrahim Omari, MD

Pediatrician, graduated in 2014 from Hadassah Hebrew University and later obtained a postgraduate degree in aesthetic and anti-aging medicine. Currently works with StarWalker MaQX system in his private clinic, Beauty Spot Clinic, for 2 years and has performed more than 200 treatments in this short period.

CLINICAL CASE:

I present a case of a 50 year old female patient that presented with photoaging skin associated with dyschromia, freckles, dry skin and moderate wrinkles. Patient preparation included skin hydration for 15 days prior to the procedure and topical anesthetic (prilocaine 5% and lidocaine 15%) applied for 30 minutes prior to the laser treatment.

The first step applies Q-s Nd:YAG with MaQX1, which aims at toning the skin, destruction of melanosomes and fragmentation of dermal melanin. The applied fluence depends on the degree of pigmentation and the patient's phototype; the higher the pigmentation, the lower the fluence. The treatment was performed on the full face, working in 3x3 cm treatment zones. The passes were applied in a crisscross fashion, with minimum spot overlap and having a light erythema as an endpoint.

The second step uses high-fluence, short FRAC3 pulses to produce a self-induced three-dimensional fractional pattern in the epidermis and dermis, with damage islands that are predominantly located at the sites of targeted skin imperfections. A heating mode technique is performed with constant movement of the handpiece, rapidly applying heating to create an overall tightening effect and lifted skin working in 5x5 cm treatment zones.

The third step requires the use of a fractional Q-s handpiece in FRAC3 mode in order to even-out the skin texture with the purpose to stimulate the exchange of keratinocytes and provide non-thermal rejuvenation of the tissue. One pass is applied on the full face using MaQX1 and 1 extra passes on areas with deep wrinkles and scars using MaQX10. The endpoint is pinpoint petechia.

No complications have been observed. The photos were taken before and one month after the procedure.

Post-op requires cooling and epithelizing cream immediately after the treatment. Erythema should be expected to last between 2 and 5 days. Small scabs can last between 2 and 7 days. Bariderm or Cicalfate cream should be applied 3 times per day for 7 days. Avoid any sun exposure and use sunscreen protection starting the day after treatment.

It is important to note that the patient didn't lose any weight, so the effect that we see is the tightening effect of this new protocol.

Before



After one session (1 month)



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