



Split-Face, KTP-532 nm (MaQX vs Verde Pulse) Treatment of Freckles with Fotona's StarWalker MaQX System

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Introduction:

Freckles range from clear-brownish to dark macules that affect photo-exposed skin areas.

In this bulletin we aim to compare two different methods for treating freckles with the Fotona StarWalker MaQX system. We have used both protocols for a long period of time, so we decided to find out which one is the most effective and with the fewest side effects. We performed both protocols on the same patient, dividing the face in half, with protocol A on the right side of the face and protocol B on the left side of the face.

Laser	StarWalker MaQX	
	Right Side	Left Side
Wavelength	KTP-532 nm	KTP-532 nm
Handpiece	R28d	R58d
Fluence	1.1 J/cm ²	4 J/cm ²
Mode	Q-Switch MaQX-1	Verde 15 ms
Frequency	1 Hz	1 Hz
Passes	1 shot per lesion	1 shot per lesion
Spot size	1 mm	2 mm
Cooling	yes	yes
Anesthesia	Topical	Topical
Sessions	3 sessions, 1 every 3 weeks	



Drs. Julio and Sebastian Velez are Colombian dermatologists who graduated from Universidad del Bosque and University Foundation for Health Sciences respectively. They are committed to research and education, performing as adjunct professors at the Del Rosario University and the Universitaria Sanitas Foundation.

They currently work with the SP Dynamis Pro and StarWalker Q Switch systems in their private practice, Medical Art. They also provide pro bono services at the University Hospital Federico Lleras Acosta Dermatological Center.

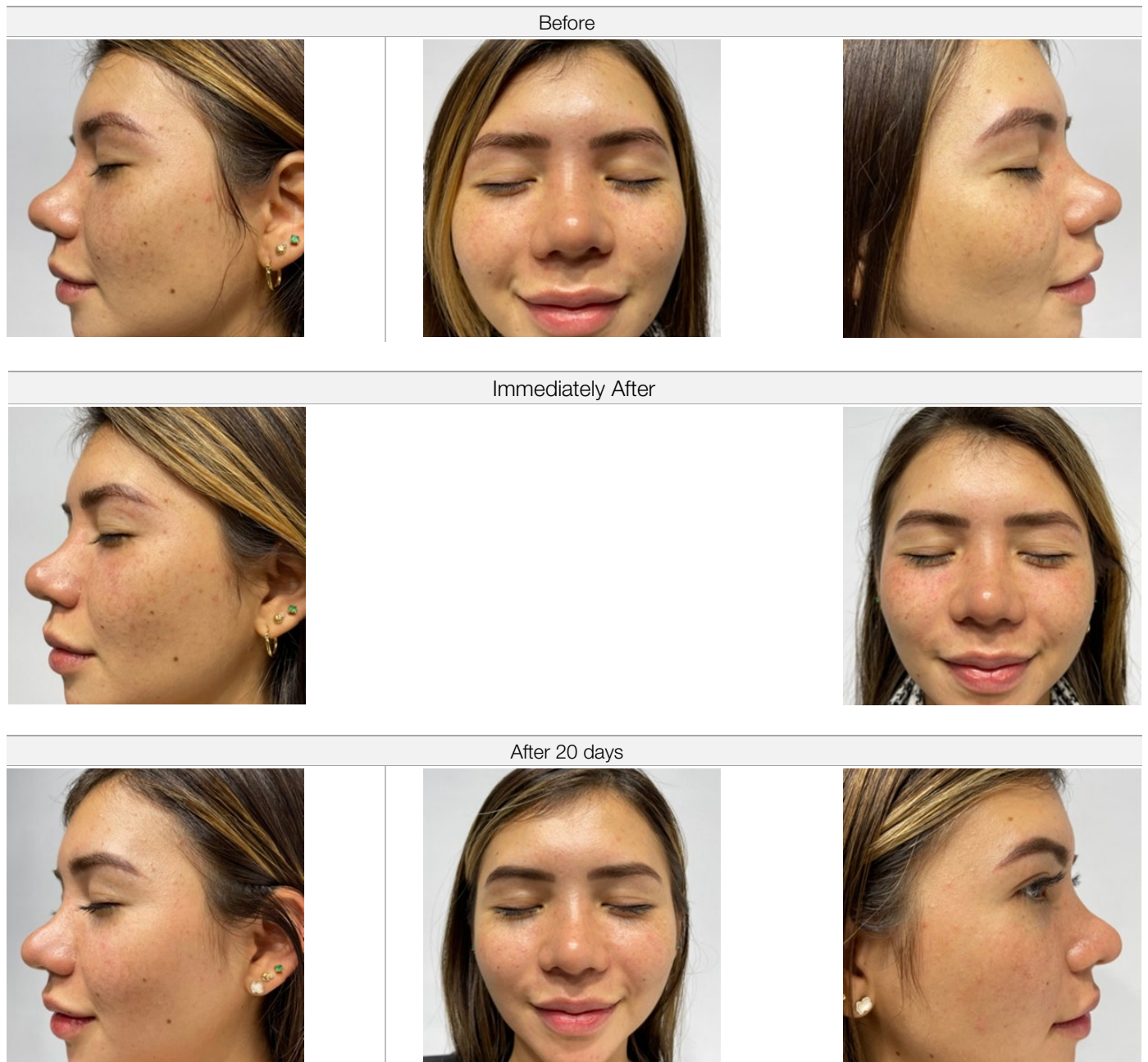
CLINICAL CASE:

Both protocols use KTP-532 nm, but protocol A includes a short-pulse approach using Q-Switch MaQX-1 and protocol B uses a long-pulse approach called Verde. Before and after the treatment, the patients must protect their skin with adequate photo-protection. The following case was treated in 1 session, and the after pictures were taken 20 days after the session.

Conclusions:

1. We discovered that with Verde, immediate inflammation is less than with the Q-Switch MaQX 1 treatment.
2. The patient manifests less pain with the Verde treatment.
3. The results are exactly the same with both protocols.

We have been using the Verde KTP-532 nm long-pulse treatment for more than three years for pigmented lesions such as freckles, solar lentigines, seborrheic keratosis, actinic pigmented keratosis and even melasma, with excellent results. At the moment we are developing a clinical trial to confirm the data reported in this bulletin.



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