



Laser Treatment of Seborrheic Keratosis with the StarWalker MaQX Long-Pulse KTP laser (VERDE)

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Introduction:

This bulletin presents the case of a 65-year-old female with seborrheic keratosis located on the right cheek. This is the most common type of skin tumor. The incidence of this purely benign epithelial proliferation increases with age and exposure to ultraviolet light. It has a remarkable variability in its clinical presentation, raising some potential issues with diagnosis. We created a single-step protocol treatment shown in the table below. No skin preparation is required.

Laser	StarWalker MaQX
	Step 1
Wavelength	KTP-532 nm
Pulse duration	15 ms
Pulse mode	VERDE
Fluence	10-15 J/cm ²
Frequency	1 Hz
Handpiece	R58d
Spot size	3-4 mm
Passes	Multiple
Tx interval	Single session for total elimination
Cooling	Yes



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-Switched system in their private practice, Medical Art. They also provide pro bono services at the University Hospital Federico Lleras Acosta Dermatological Center.

CLINICAL CASE:

The procedure is performed under topical anesthesia (lidocaine 20% + prilocaine 10% + tetracaine 5%), which is applied to the lesions 30 minutes prior to treatment.

This single-step protocol only uses the long-pulsed 532-nm KTP laser with a R58d handpiece and a 3-4 mm spot size, depending on the size of the lesion. Multiple passes are applied to vaporize the lesion until the pigmented tissue disappears and a pink tone appears before pinpoint bleeding, letting us know we have reached the dermo-epidermal junction, reducing the risk of hypo/hyper-pigmentation. The applied fluence is 10 to 15 J/cm², and the frequency depends on operator skills.

The procedure requires cooling. Afterwards, scabs followed by a pink flesh tone should be expected for at least 15 days. Epithelialization cream should be started immediately after the treatment, three times per day for 7 days, and photoprotection should be restarted after epithelialization. A single session is sufficient for a total elimination of the lesion.



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