Er:YAG Treatment for Eyebrow Tail Elevation and Eyelid Rejuvenation using the Fotona VectorLift Technique with SMOOTH Mode Hyperstacking

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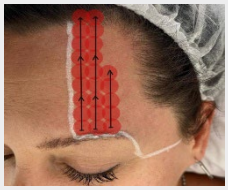
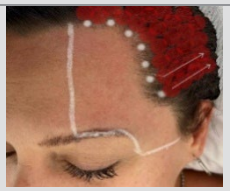
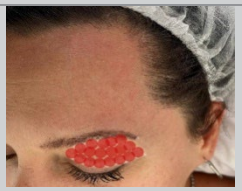
Introduction:

Due to the natural skin aging process, many body areas require tightening protocols that assist in reversing the effects of aging such as progressive tissue laxity. An ideal tightening treatment should be minimally invasive and induce immediate and symmetric improvement with long-lasting effects.

Laser	Fotona Er:YAG system			
	Step 1a: Forehead	**Step 1b: Forehead**	**Step 2: Scalp**	**Step 3: Upper eyelid**
				
Wavelength	2940 nm	2940 nm	2940 nm	2940 nm
Pulse mode	SMOOTH	SMOOTH	SMOOTH	SMOOTH
Handpiece	PS03X	PS03X	PS03X	PS03X
Fluence	2.0–2.5 J/cm^2	6.25 J/cm^2	2.5–3.0 J/cm^2	1.75 J/cm^2
Frequency	1.6 Hz	3.3 Hz	1.6 Hz	1.6 Hz
Technique	Stamping	Fast-brushing	Stamping	Stamping
Stacking	10	-	10	6-10
Spot size	7 mm	7 mm	7 mm	7 mm
Passes	1-3	1	3	3
Cooling	None			
Anesthesia	Topical (not in scalp)			
Sessions	4 sessions, 1 every 3 weeks			

Dr. Adrian Gaspar specialized in gynecology and obstetrics and later obtained a postgraduate degree in aesthetic and anti-aging medicine. His practice is based in Mendoza, Argentina and in Miami, Florida, U.S.A. He has been a devoted educator, renowned international speaker, and avid researcher in the fields of laser applications in gynecology and aesthetics for the past 15 years. His pioneering contributions in innovative laser treatments have shaped the landscape of current laser applications, having received innumerable awards for these accomplishments.

CLINICAL CASE:

A 39-year-old woman came to our clinic for Fotona VectorLift treatment. No special skin preparation was used. The procedure was performed under topical anesthesia (lidocaine 15% + benzocaine 15% + procaine 15%), which was applied to the face, in the different regions explained below, 20 minutes prior to treatment and covered with a thin film for enhanced penetration.

Step 1 was performed to generate tension vectors on the forehead and parietal area with SMOOTH mode pulses, creating a strong tightening response and providing only shallow development of new collagen. This can be achieved by stacking pulses and by using a fast-brushing technique (PS03X, 7 mm, Fotona SMOOTH 6.25 J/cm^2, 3.3Hz, 500-700 pulses per area.)

Step 2 was performed on the edge of the scalp with an aim to increase the total surface area subject to the traction vectors. The treated area in the scalp extends 4 cm (1.5 inches) from the hairline into the scalp. The hair was parted into sections of 5 mm. High-fluence hyperstacking of SMOOTH mode pulses was applied to each section. This allows a stronger hold on the elevated tissue by pulling from the superficial muscular aponeurotic system (SMAS).

Step 3 included stacking of lower fluence pulses across the upper eyelid.

Four sessions in three-week intervals were performed to achieve long-lasting effects. The protocol has shown to be non-aggressive, which allowed the patients to return immediately to her normal routines. We advised the patient to stay hydrated and use sun protection after treatments. No complications have been observed with this protocol.

Before	Immediately after 4th session
	

Before treatment / after treatment