

Dr. Claudia Pidal has been working with Fotona lasers for over a decade. As laser surgeon consultant she has authored numerous guides on laser surgery techniques for a variety of laser sources, as well as several papers on laser treatments in the lower genital tract. She has also been closely involved in the development of novel and innovative aesthetic laser techniques. Dr. Pidal runs her own Universo Laser clinic in Buenos Aires.



Intra and Extraoral Treatment for Rejuvenation of the Nasolabial Fold and Perioral Wrinkles

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Over time the depth and length of the nasolabial folds and the proliferation of rhytides in the lower third of the face create the most obvious signs of aging in the face. The technique presented in this case aims to maximize the tissue tightening effect by using a combined Er:YAG modality approach in both intra- and extraoral lip and perioral regions.

Histological and anatomical features unique to the intraoral mucosa allow us to produce retraction of both the skin and the aponeurosis of perioral muscles. This results in elevation of the labial commissure and flattening of rhytides and nasolabial folds.

This case presents the results obtained with a technique implementing Er:YAG laser in non-ablative SMOOTH mode in which trains of pulses at high repetition generate controlled, deep thermal effects.

The treatment does not require any special patient preparations and only requires topical anesthesia in the extraoral region. The intraoral mucosa does not require any anesthesia. Recovery can be expected to be immediate. Post-operative hydration of the skin in the treated region is recommended. The treatment has no adverse effects or contraindications, except for those normally associated with Er:YAG skin treatments (e.g. undergoing phototherapy treatments such as PUBA-UV, collagen disorders, active herpes)

Laser source:	Er:YAG, 2940 nm	
Handpiece / Spot size:	extra-oral; PS01 @ 10 mm, pixel level 1 intra-oral; PS03 @ 7 mm	
VSP Mode:	SMOOTH	
Fluence	<i>Dualis line*</i> extraoral; 3,0 J/cm ² intraoral; 3,2 J/cm ²	<i>Dynamis and Spectro lines</i> extraoral; 4,5 J/cm ² intraoral; 9,5 J/cm ²
Frequency:	1,5 Hz	
# Passes:	3	
# Sessions:	3 – 5 (according to age; older more sessions) at 15-day intervals	

* When using PS Technology handpieces in combination with Dualis laser system, R04 and spot size 12 mm must be selected on the system's display before setting the fluence as given in the table above.



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Before

After