



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

FRACTIONAL RADIOFREQUENCY: A PILOT STUDY OF EIGHT CASES INVOLVING REJUVENATION OF THE UPPER EYELID

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Background: The skin is a marker of age and chronological appearance, being important for self-esteem and quality of life, and palpebral aging is marked by the presence of important skin flaccidity. Fractional ablative radiofrequency is one of the treatments aimed at delaying the effects of aging.

Objective: To describe the effects of fractional radiofrequency on flaccidity of upper eyelids.

Materials and Methods: Eight female patients with aging skin on the upper eyelids were selected for treatment with this method. One of the patients was submitted to upper blepharoplasty, ablative fractional radiofrequency was performed before the surgery on the skin and the fragment was removed from the upper eyelid for anatomopathological examination and measurement of thermal damage. In this patient and in the others, fractional radiofrequency with 20 mJ was applied during 04 minutes on the entire upper eyelid. The evaluation of the clinical results was performed by means of photographic comparison and analysis of satisfaction questionnaires and distance measurements in the skin by electronics pachymeter, in addition to the histological analysis of the undergoing surgery patient.

Results: The photographic comparison showed significant effects of skin retraction on the skin of the lower eyelids, while the analysis of the questionnaires revealed a significant degree of patient satisfaction. The eyelid distance increased significantly after treatment with average of p value < 0.003 and 0.001 of 3 measurements performed in each patient. In the histology analysis was perceived perivascular chronic inflammation, deposition of mature collagen.





Conclusions: Radiofrequency fractionated in its semi-ablative form using 20 mJ on upper palpebral region showed positive effects on upper eyelid flaccidity.

