



LASERS

# FRACTIONAL RADIOFREQUENCY SKIN RESURFACING TREATMENT FOR PERIORBITAL WRINKLES

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**Introduction:** Periorbital wrinkles is a major cosmetic concern. Recently, fractional radiofrequency skin resurfacing was introduced as a new device for facial rejuvenation. This treatment provides a coagulative (nonablative) effect to the mid-dermis in addition to an ablative injury to less than five percent of the epidermis.

**Objective:** The purpose of this study was to examine the clinical efficacy and safety of this treatment for periorbital wrinkles.

**Materials and Methods :** It is a Prospective, single-center study done on twenty five patients , age 30 years to 60 years, Fitzpatrick skin Type III-V with varying degrees of periorbital wrinkles. The patients were treated four times at 4-week intervals with the device. Changes in periorbital wrinkling were evaluated with digital images of the subjects faces using a 5-point Wrinkle Assessment Scale and Visual analogue scale ( each patient was asked to grade between 0 to 10 as per his/her satisfaction):

0-3: Poor

4-6: Good

7-10: Excellent

**Results:** Significant improvement in periorbital wrinkles was seen after third session. Three patients reported slight hyperpigmentation.

**Conclusion:** Fractional radiofrequency skin resurfacing can be considered as an effective and safe treatment modality for periorbital wrinkles.

