



# A Comparative Study of Co2 Fractional Laser and Platelet Rich Plasma with Dermaroller in Post Acne Scars: A Split Face Study

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## I. AIMS:

This study was conducted to compare the effect the CO2 fractional laser and autologous platelet rich plasma with dermaroller in acnescars.

was higher on the CO2 laser treatedside. Adverseeffects (erythema, post inflammatory hyperpigmentation) on the PRP with dermaroller side were more and of longer duration.

The results were evaluated and statisticallyanalyzed.

## II. MATERIALS AND METHODS:

70 patients of both genders with post acne atrophic facial scars who underwent split face therapy attending our OPD during the period from December 2014 to May 2016 were offered 4 to 5 sittings of micro needling with PRP on right side and CO2 fractional laser on left side of the face at an interval of 4to5 weeks

## III. RESULTS:

Overall clinical improvement of acnescars



#### **IV. CONCLUSIONS:**

Overall results were better with CO<sub>2</sub> fractional laser than PRP with dermaroller with respect to firmness and smoothness of skin, as well as post inflammatory hyperpigmentation. CO<sub>2</sub> laser has higher efficacy in treating boxcar and rolling scars but limited efficacy with ice pick scars.