



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

DUAL-PLANE HYALURONIC ACID TREATMENT FOR ATROPHIC ACNE SCARS: A CASE SERIES

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Introduction: Acne scarring affects many acne patients. To improve cosmesis, different treatment modalities can be employed.

Objective: To evaluate the improvement of acne scars following the injection of a novel patented (WO/2012/032151) NAHYCO™ technology-based filler.

Methods: we report the treatment of 12 patients with atrophic acne scars with a novel patented (WO/2012/032151) NAHYCO™ technology-based filler, using a dual-plane technique. All patients received 2 treatment sessions at a 4-week interval and were followed up at 1, 3 and 6 months after the last treatment. Two blinded dermatologists and patients rated the degree of improvement (Grade 1-4, 1- 0%-25%, minimal to no improvement/unsatisfied, 4 - >75%, near total improvement/very satisfied) by comparing side-by-side photographs taken at baseline and at 6 months after treatment. The patients rated their satisfaction, numbered the days of downtime post treatment and reported side-effects.

Results: Twelve patients with moderate to severe acne scars were treated. 8/12 patients reported moderate improvement (Grade 2) at six months post treatment. 2 patients indicated marked improvement (Grade 4) whereas 2 patients rated minimal improvement (Grade 1). This corresponds to the dermatologists' mean global evaluation score at 6 months, which was 2.5 ± 0.43 (the experts' overall score at 1 month, after the second treatment was 3 ± 0.5 ; at 3 months was 2.5 ± 0.49 and at 6 months was 2.5 ± 0.43). Two patients had minor visible HA deposits following the injection that disappeared with manual pressure and waiting by the time of the last follow-up visit. No other complications were noted.

Conclusion: This technique with the NAHYCO™ technology-based filler can result in rapid amelioration of atrophic acne scars in only two sessions..

