



A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

LASERS

ACNE SCAR REDUCTION WITH NON-INSULATED MICRO NEEDLE RADIO FREQUENCY – STUDY OF 13 CASES

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Introduction: Micro needling radiofrequency is a technology that uses microneedles to heat the depths of dermis thereby promoting dermal collagen remodelling. This study focusses on non -insulated microneedles and their efficacy in reducing acne scars, improving skin texture and minimising pore size

Materials / methods: 13 cases, 6 males and 7 females were enrolled in the study. Each patient received 2-5 sessions at a month's interval. Pain was assessed by patients during and after treatment using a standard pain scale of 0-10. Objective analysis was carried out using Global Aesthetic Improvement Scale (GAIS) to assess scar reduction, texture improvement and pore size. Patients reported subjective improvement using the same GAIS scale

Results: All patients completed series of sessions. No adverse events such as burns, scarring, hypopigmentation, hyperpigmentation was reported. Subjective pain assessment was reported by patients as an average point of 0.9. The subjective and objective analysis revealed high satisfaction. 7 out of 13 patients (53.8%) reported good improvement using the GAIS scale. 38.46% reported moderate improvement in acne scar reduction. Noticeable improvement was reported in skin texture in all the patients.

Conclusion: Non-insulated micro needling radiofrequency offers highly effective, minimally invasive treatment for acne scars, skin texture improvement, minimises pore size with minimal to nil downtime



24TH WORLD CONGRESS OF DERMATOLOGY MILAN 2019



International League of Dermatological Societies Skin Health for the World

