



Comparison between microneedling and CO₂ fractionated laser in atrophic acne scars treatment

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Acne scarring treatment is one of the most challenging treatments in dermatology. Nearly 95% of patients with acne vulgaris develop acne scars. Resurfacing procedures are the most commonly aesthetic interventions used to treat acne scars. Dermabrasion, chemical peelings and lasers (ablative and non-ablative, fractional and non-fractional) are different kinds of these resurfacing procedures that are frequently used in the treatment of atrophic acne scars with different success rates. One of the most commonly used procedures nowadays is CO₂ fractional laser. CO₂ laser resurfacing has been shown by clinical and histopathological studies to be efficacious in treating acne scarring with a 50-80% improvement typically seen. However, many adverse effects have been seen after CO₂ fractional laser resurfacing although much less than that seen after traditional CO₂ laser resurfacing. On the other hand, many other non-resurfacing procedures have been used in the treatment of acne scars. Skin micro needling, a new emerging procedure, have been shown recently to be effective in treating atrophic acne scarring. In this research, an evidence-based approach has been done to study the effects of micro needling in the treatment of atrophic acne scars, its success rate and side effects with a systematic review to access the effects of micro needling compared to the well-known fractional CO₂ laser

Biography: Amani Yassine SAAD is a Member of the American Academy for Aesthetic Medicine. She is in her second year of MSc in Aesthetic Medicine at Queen Mary's University of London. She is the Owner of Lebanese Esthetic Medical Center in Beirut, Lebanon where she worked and still in aesthetic medicine for fourteen years.

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