



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

## HEAT DERMABRASION OF DIFFERENT TYPES OF SCAR AS NEW INNOVATIVE TECHNIQUE;

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**Introduction:** There are different morphological types of scars as could be linear or rounded with regular linear or irregular surface according to causes scar as could induced by traumatic injury or disease like skin leishmaniasis. The ordinary therapy is to do cosmetic excision and suturing. The aim of present work is to heat dermabrasion in order to induce new tissue to have much better scar with very good cosmetic appearance.

**Materials and methods:** Forty seven patients, 27 females and 20 males, their ages ranged from 5-40 years were included in the present work. The types of scar were linear, rounded, Pigmented or atrophic. Diathermy heat was applied directly to scar to induce destruction of old scar, resurfacing and new tissue formation. Topical antiseptic and oral antibiotics were used for two weeks. Then topical steroid was applied for one month to prevent post inflammatory hyperpigmentation or possible hypertrophic or keloid formation.

**Results :** There was marked improvement both in the color and texture of the scar with very good cosmetic appearance in all types of scar whether linear or rounded, pigmented or atrophic.

**Conclusion:** Heat dermabrasion is innovative good cosmetic cost effective therapy for different types of scar without need for surgical excision and suturing.

