ABSTRACT BOOK ABSTRACTS



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DERMATOLOGICAL SURGERY

TREATMENT OF FACIAL ACNE SCARS IN CHINESE PATIENTS: COMBINATION OF DERMABRASION AND RECELL TECHNIQUE

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Objective: To evaluate the efficacy of ReCell autologous cell regeneration technique combined with dermabrasion treatment in treating acne scars in Chinese patients.

Methods: Using ReCell technique, a small amount of 0.2 mm thickness blade was cut at the periphery of the lesion, which was enzymatically digested to form an epidermal cell suspension. Then the wounds were sprayed with the prepared epidermal cell suspension.We reviewed the medical records of 78 patients, 30 patients treated with simple dermabrasion treatment (Group1), the other 48 patients treated with dermabrasion and ReCell technique (Group2). The efficacy was evaluated by the self-evaluation of the patient, third-party evaluation and photos taken before and after the treatment. Wound healing time and post-operative complication rate were also recorded.

Results: It showed a significant difference between the two groups (P<0.001) in healing time, patient's evaluation and third party's evaluation.

Conclusion: The ReCell technique is simple, minimally invasive, biocompatible and effective in the treatment of chronic ulcers. It can shorten the time of wound surface and reduce the occurrence of complications, thereby provide a safety and effective treatment approach for patients with facial acne scars.

Keywords: Acne Scar; Dermabrasion; ReCell





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