

[EP089] A TOPICAL TREATMENT (GEL & CREAM) TO ACHIEVE SMOOTH AND ELASTIC SCARS IN SECOND AND THIRD DEGREE BURNS

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Aim:

Hyaluronic acid enhanced by aminoacids (HA+AA*) has demonstrated its efficacy in vulnology. The aim of this work is to observe if similar results can be achieved in the treatment of burns, especially in terms of scar good quality.

Method:

The study is still ongoing; the target is 20 cases. At the present we have enrolled 8 patients with 2nd and 3rd degree burns (hot water/coffee, chemical agents, frostbite). All burns have been and will be treated daily with hyaluronic acid plus aminoacids gel until complete cleaning of the wound (if needed); then HA+AA cream applied daily treatment. Moist gauze as secondary dressing. Evaluated items: Cleaning time, Healing Time and Scar Quality.

Results / Discussion:

All patients treated healed (7 out of 8 within 4 weeks); 75% of patients achieved the Cleaning Time within 14 days and the mean Cleaning Time was 20.5 days (the quickest 5 days, the longest 21); 87.5% of patients had a post-cleaning treatment that lasted less than 12 days and the mean Healing Time was 27.6 days. In only one case the treatment lasted 60 days (frostbite); the quickest treatment lasted 5 days (1st degree chemical burn). The most impressive data are about scars and pain: no patient developed a retracting scar, especially the ones with chemical burns, and all had pain reduction from the second day of treatment.

Conclusion:

Hyaluronic acid plus aminoacids demonstrated to be very effective not only in quick healing of burns but especially in terms of good quality of epithelialization and pain reduction: a smooth and elastic scar is the most important result of this topical treatment.