

Active approach for chronic skin lesions with stable ozonides



R.Cassino, C.Galuzzi, G.S.Barrionuevo M, L.Bettaglio, I.Cela, F.Maggi



"Sacra Famiglia" Nursing Home (Pieve del Cairo, Pavia - Italy)

INTRODUCTION - In the last 15 years the contribution of technology in wound care was very high, especially in terms of active medications that can interact with the tissue repair processes to reactivate "hard-to-heal wounds". Stable ozonides (Ozoile®) are, among the active treatments, the newest and significantly effective for chronic ulcers. Aim of this work is to demonstrate Ozoile® efficacy in the treatment of any etiological type of chronic wound, "non responder lesions" too, especially in terms of antimicrobial activity, tissue repair reactivation, healing time quickness, safeness and versatility.

MATERIALS AND METHODS - In the last 18 months we evaluated more than 70 patients with chronic skin lesions of different aetiology, infectious or not, with or without necrotic tissues, many of them not responding to the common treatments (both traditional and advanced dressings) for more than 6 weeks. We treated all the wounds with different medications (spray, cream, gauzes, alginate and hydrogel) containing Ozoile®, a pool of stable ozonides derived from olive oil*. We evaluated Infection Signs Disappearance (ISD) if present (according with Cutting & Harding Criteria), Debridement Time (DT) in case of necrotic wounds, Healing Rate (HR) and Healing Time (HT).

RESULTS - All wounds achieved the complete healing within 100 days: 50% within 60 days. The mean ISD was 10.4 days; the mean DT was 15.6 days; the mean HR was 0.118 cm/week; the mean HT was 63.7 days. No wounds needed surgical procedures. No allergies, no adverse reactions, no induced pain.

*Rigenoma Line - Erbagil s.r.l. (Santa Lucia BN, Italy)



Heel pressure Injury - HT: 20 days



Infectious post-traumatic wound - ISD: 10 days - HT: 36 days



Necrotic diabetic foot lesion

Debridement Time: 10 days
Healing Time: 35 days

GLOBAL RESULTS (73 patients)

MEAN INFECTION SIGNS DISAPPEARANCE	10.4 days
MEAN DEBRIDEMENT TIME	15.6 days
MEAN HEALING RATE	0.118 cm/w
MEAN HEALING TIME	63.7 days

CONCLUSIONS - Ozoile® showed to be significantly effective in the treatment of chronic ulcers, regardless of the etiology of the lesions. The antiseptic activity is strongly effective against any kind of bacteria and fungi. The medication doesn't induce pain and promotes granulating tissue and epithelialization also in hard-to-heal wounds from the first days of treatment. The use of Ozoile® can allow an interesting cost-saving due to the reduced times of infection removing, debridement and healing.

References:
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 3. Travagli V, Zanardi I, Valachi G, Bocchi V. Ozone and ozonated oils in skin diseases: a review. Mediators of inflammation, Volume 2010 (2010), Article ID 610418