

European Wound Management Association

A technological silver mousse in the treatment of perilesional skin



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AIM

Perilesional skin needs always to be treated if we want to have an effective wound healing, especially in terms of hydration and protection. Our aim is to prove that a new technology silver mousse can be a simple and effective treatment for the healthy and wounded skin.

METHODS

We treated 30 patients with chronic wounds of the lower limb and dry or macerated or wounded perilesional skin using a mousse containing silicon dioxide, ionic silver and chlorexidine. The treatment was to apply the mousse all over the skin of the leg with a light hand massage, using nitrile glover, at every dressing change. The application has been allowed both on the intact and wounded skin. We evaluated the change of the skin in terms of humidity, the healing of microlesions, the improvement of the wound edge and the infection incidence. The observation lasted four weeks.

RESULTS / DISCUSSION

All patients had a good result after only two treatments. No allergy, nor adverse reactions even if we treated four patients with known allergy to metals (silver included). In every patients we had the complete healing of microlesions, the improvement of hydration in those with dry skin and a reduction of maceration damages in those with heavy exuding wounds. All of them showed active epithelialization. No infections of the wounds, no signs of inflammation on the perilesional skin. In only one patient we had poor improvement, maybe due to a lack of hygiene and/or a too low level of care by the familiar caregivers. The effectiveness is particularly evident on the skin that needs to be covered with a bandage for a long time.

CONCLUSION

This kind of treatment showed to be effective in 29 patients of 30, to be easy to use and safe (no adverse reactions, nor allergies). All patients evaluated "very comfortable" the treatment: the skin appears smooth and healthy. The most evaluable feature seems to be the effectiveness on both dry and macerated skin: the property of protection of the mousse is maybe the cause of the efficacy on the macerated skin; the hydration effect is due to the lenitive components of the mousse. This treatment could help to manage better the skin of the patients that use multilayer bandages for a long time.



The result after using for two weeks the mousse containing silicon dioxide, ionic silver and chlorexidine*



Patient affected by Rheumatoid Arthritis with multiple lesions all over the leg and severe prurigo and pain

Complete healing and no more prurigo and pain

* KAdermin Mousse Spray (Pharmaday, Italy)