WHITE PAPER

Stratamed® Effectiveness in Postoperative Wound Care

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Benedetto, AV, et al. (2021). 'Comparing the use of a novel antibiotic-free film-forming topical wound dressing versus a topical triple antibiotic in dermatologic surgical procedures including Mohs micrographic surgery', *J Eur Acad Dermatol Venereol.*, 35(1), pp. 247-255.

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Summary

It is common practice to use Topical antibiotics (TA) postoperatively, even though their efficacy is not well established and may lead to adverse effects and antimicrobial resistance.

This study investigates the effectiveness of Stratamed®, a film-forming silicone gel wound dressing, in comparison to triple antibiotic ointment (Bacitracin Zinc, Neomycin Sulfate, and Polymyxin B Sulfate, Neosporin® Original) for postoperative wound care in cutaneous surgery, including a separate group with Mohs surgery patients only.
The research assesses various parameters, including contact dermatitis rates, infection rates, wound healing time, quality, and patient satisfaction in 231 patients.

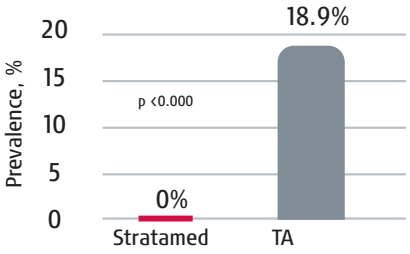

Figure 1: Contact dermatitis rate.

Figure 2: This 66-year-old patient treated with Stratamed® is shown immediately following Mohs surgery and repair (a), one week postoperatively following suture removal (b), and seven months postoperatively at final assessment (c).

Figure 3: This 61-year-old patient treated with TA ointment is shown immediately following Mohs surgery and repair (a), one week postoperatively following suture removal (b), and seven months postoperatively at his final assessment (c).

Results:

- No difference in infection rates were observed between the Stratamed® group and the TA group.
- Stratamed® demonstrated a signigicant efficacy in preventing contact dermatitis, with a 0% occurrence rate, while the TA group experienced an 18.9% rate. *(Fig. 1.)*
- Stratamed® significantly outperformed TA in terms of wound healing parameters, including reduced healing time, improved wound quality, and reduced erythema. *(Fig. 2,3)*
- Patient satisfaction and ease of application did not significantly differ between the two groups, suggesting that Stratamed® is a viable and patient-friendly alternative.

Stratamed®: Reasons for Effectiveness

The effectiveness of Stratamed® can be attributed to its film-forming properties, antimicrobial characteristics, and its ability to create an optimal wound environment.
This silicone gel provides a promising solution for postoperative wound care in cutaneous surgery, offering advantages such as contact dermatitis prevention and faster wound healing, while maintaining patient comfort and satisfaction.

"The authors believe that the antibiotic-free silicone gel wound dressing (Stratamed®) is a viable alternative to topical antibiotics or any other petrolatum-based product, with or without antibiotics, for postoperative wound care without enhancing the risk of infection or jeopardizing normal wound healing. Silicone gels (Stratamed®) utilized as a postsurgical primary wound dressings may reduce not only the cosmetic and psychological burden of scar formation, but also the problem of postsurgical infections, chemical irritation or contact dermatitis and antimicrobial resistance."

For more information, please contact us at:
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