

[ISSUES AND ARTICLES](#)
[ABOUT THIS JOURNAL](#)
[FOR AUTHORS](#)
[SUBSCRIBE](#)

THERAPEUTICAL NOTES

Giornale Italiano di Dermatologia e Venereologia 2000 October;135(5):635-41

Copyright © 2000 EDIZIONI MINERVA MEDICA

language: Italian

Efficacy of two lenitive and restorative topical products: assessment of biophysical skin parameters

Bertoni L., Giusti F., Francomano M., Seidenari S.

Università degli Studi - Modena Istituto di Clinica Dermatologica

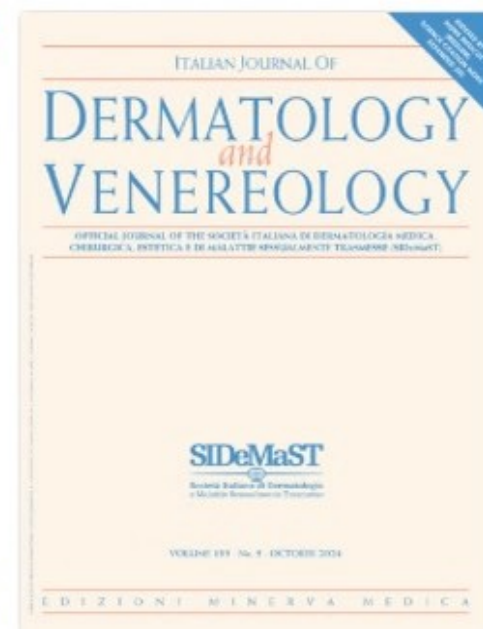
PDF

Background. The aim of this study was to evaluate visually and by means of non invasive measuring techniques the efficacy of two topical products, a spray and a gel, considered as lenitive and restorative after plastic surgery.

Methods. Twelve healthy subjects entered the study. For each subject 3 test sites on the left volar forearm (areas 1, 2, 3) were treated for 30' with 40 ml of 70% glycolic acid solution, whereas 3 test sites on the right (areas 4, 5, 6) were treated with 5% of SLS solution for 30'. Immediately after removal and after each assessment, 20 mg of gel and 40 ml of spray were applied on sites 2 and 5 and on sites 3 and 6, respectively. Clinical and instrumental evaluation (TEWL, capacitance, colorimetry and echography) were performed prior to the first application and at different times.

Results. Visual scoring and colorimetry didn't show significant variations respect to baseline. TEWL assessment showed a rapid and persistent increase which was less evident on the areas treated with glycolic acid and gel. This product could also significantly contrast the capacitance decrease caused by SLS. Ultrasonographic evaluation showed superficial hypoechogenicity and edema. Gel and spray applications induced slighter variations with respect to baseline in the extension of hyperreflecting dermal areas.

Conclusions. In conclusion, these products showed a fairly good protective and barrier restoring action together with a slight anti-edematous effect.


[JOURNAL TOOLS](#)
[Publishing options](#)
[eTOC](#)
[To subscribe](#)
[Submit an article](#)
[Recommend to your librarian](#)
[ARTICLE TOOLS](#)
[Reprints](#)
[Permissions](#)
[OPEN ACCESS](#)
[MY ACCOUNT](#)
[Complete your registration](#)
[Define your areas of interest](#)
[Recovery your password](#)
[MY ORDERS](#)
[Orders to be completed](#)
[Completed orders](#)
[EMPTY BASKET](#)
[Total amount: € 0,00](#)
[View details and checkout](#)
[WHAT TO ORDER](#)
[Journals](#)
[BOOKS & SUBSCRIPTIONS](#)
[Contact](#)
[Complete subscription management](#)
[NEW ARTICLES](#)
[NEW EBOOKS](#)