

OCULAR AND PERI-OCULAR TOLERANCE AND EFFICIENCY OF AN EYE CONTOUR DERMOCOSMETIC FOR PATIENTS SUBJECT TO INFLAMMATION OF THE EYE CONTOUR

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INTRODUCTION

The eye contour is a very sensitive area of the skin because it is very fine and it has very dense nerve endings. This area is easily impacted by irritation and/or allergic reactions. Inappropriate used cosmetics can also be a factor for intolerance around the eyes. The objective of the study was to demonstrate the tolerance and efficacy of an eye contour dermocosmetic containing Neurosensine, Niacinamide and La Roche-Posay thermal water, actives known for their soothing action, in patients prone to inflammation and diseases of the eye area.

PATIENTS AND METHODS

105 subjects participated in the study, all having a particularly sensitive skin on the eye contour: 25% with a palpebral eczema ground, 25% with an atopic dermatitis ground, 25% with a seborrheic dermatitis ground and 25% with a contact eczema ground in this anatomical area. The product was applied to the face including the eye contour, 2 times a day for four weeks. The ocular and peri-ocular symptoms, whether functional (tingling, burning, discomfort...) or physical (redness, eczema, dryness...) were evaluated by an ophthalmologist who also conducted the review of the cornea and conjunctiva. The effectiveness in reducing the irritation of the eye contour and the anti-swelling efficiency (bag volume) were assessed by the investigator and the subjects on scales of 0 to 5 (0 nothing, 1 very light, 2 light, 3 moderate, 4-high, 5-very high).



CONCLUSION

This study showed the very good tolerance of a specific eye contour dermocosmetic for sensitive and irritated skin as well as its effectiveness in reducing the skin irritation and puffiness. The product brought a soothing feeling while reducing redness, discomfort, burning and itching of the eye contour.

RESULTS

The analysis of functional signs of eye and eyelid regions by the ophthalmologist has shown that the product was well tolerated with a low rate of eye irritation (0,05%) and with a high ocular comfort (99,85%). The analysis of physical findings showed a very low eye irritancy which is normal for this type of product and subjects.

At the clinical level, the product significantly reduced the irritation around the eyes (-89%) and peri-ocular swelling/puffiness (-43%). An improvement was observed for 97,3% and 74% of patients initially presenting respectively with ocular irritation and peri-ocular swelling.

At the initial and final visits, the subjects evaluated the effectiveness of the product on the irritated aspect of the eye contour, the feeling of swelling and healing of the eye contour. The results show a significant effect of the product on the three parameters.

This improvement was observed for 94,6% and 82,2% of patients initially presenting respectively with peri-ocular irritation and swelling.

Before and after using the product, the subjects rated the presence or absence of signs of sensitivity for their eye contour. The product has reduced skin discomfort, heating sensations, burning and itching of the eye contour in most patients with redness.

In addition, the subjects judged the texture of the product as light and fresh and easy to apply. The product easily penetrated without massage and gave a feeling of freshness and comfort.

