

Mebius Pharmaceutical Co.,Ltd, Liftys. Wrinkle Cream

Evaluation of an Improvement Effect of Wrinkle Cream on Crow's feet in Healthy Adult Women

ABSTRACT

Objective

The purpose of this study was to evaluate the improvement effect of a cosmetic product, 'Liftys. Wrinkle Cream' manufactured by Mebius Pharmaceutical Co.,Ltd, on improvement of crow's feet that is known to be mainly caused by dryness of skin. We verified facial skin conditions of healthy Japanese adult women as the test subjects, in comparison before and after 4 weeks of the test period.

Methods

In this randomized, single-blinded, half-face study, females at their age from 35 to 59 y.o., categorized as wrinkle grade 1-3 (compliant with 'Guidelines for Evaluation of Cosmetic Functions', the Japanese Cosmetic Science Society) were asked to apply the cream only around their right eyes of their face, after regular face-wash and basic skin care every morning and night, during the whole test period in 4 weeks.

The primary outcome measures were improvements in scores of wrinkle grade based upon visual assessment of regional pictures by dermatologists, and stratum corneum water content measured with Corneometer®CM825.

And the secondary outcome measures were daily skin conditions and adverse events regarding the product safety, gathered by subjective evaluation using provided questionnaire and diary.

Result

The study was conducted from June to July, 2019. A total of all 15 subjects (avg. age 52.1 ± 4.9) completed the study. After 4 weeks of the intervention, significant improvements were observed in scores for both wrinkle grade of crow's feet and stratum corneum water content on the intervention side, in contrast to the control side which had no significance in wrinkle grade and even decline in stratum corneum water content.

As for the evaluation of score variation after 4 weeks, significant improvements in wrinkle grade of crow's feet and stratum corneum water content were only observed on the intervention side, but not on the control side of their face.

Conclusion

The finding suggests that the regular use of the product, 'Liftys. Wrinkle Cream' is effective to improve crow's feet with its ability to retain moisture for stratum corneum.