

Frontier, Inc., Moispoint

## **A Study on the Effect of Eye Care Cream for Improvement of Skin Aging Troubles Among Healthy Japanese Women**

### ABSTRACT

#### Objective

The purpose of this study was to evaluate the effect of an eye care cream, 'Moispoint' manufactured by Frontier, Inc. (Tokyo Japan), for improvement of wrinkles and sagging skin around eye area that are known to be common sources of distress for Japanese women after the age of 30 . We conducted a 4-week study to verify facial skin conditions of healthy Japanese women in comparison between before and after the use of the product during the entire test period.

#### Methods

In this randomized, single-blinded, half-face study, females in the age range from 35 to 59 y.o. who declared concerns about their aging skin and dehydration problems (mainly around their eye areas), and were categorized as wrinkle grade 1-3 (compliant with 'Guidelines for Evaluation of Cosmetic Functions', the Japanese Cosmetic Science Society) were instructed to apply the cream twice a day only on the left side of their face, including areas around their cheek and mouth for the test period of 4 weeks.

The primary outcomes were improvements in scores of wrinkle grade, based upon visual assessment of pictures taken with VISI A-Evolution2, and stratum corneum water content measured with Corneometer® CM825, operated by trained experts.

And the secondary outcomes were improvements in scores of daily skin conditions and adverse events regarding the product safety, gathered by subjective evaluation using questionnaires provided before and after the

test period.

## Result

All 15 subjects (avg. age  $46.0 \pm 6.1$ ) completed the study. After 4 weeks of the intervention, significant improvements were observed in scores of all 6 evaluation items in objective index for the intervention side; 'crow's feet', 'wrinkles under the eyes', 'stratum corneum water content', 'skin elasticity', 'cubic volume of cheek' and 'length of nasolabial fold', in contrast to the non-intervention side which experienced no significance in improvement of the same criteria.

As for the result of subjective evaluation after the 4-week intervention, significant improvements in the score of 'crow's feet' were commonly reported by all the subjects, as well as other criteria such as 'wrinkles under the eyes', 'stratum corneum water content' and 'skin elasticity' which were also proven in regards to the statistical superiorities in evaluation of the improvement effects of the product.

## Conclusion

The finding suggests that the regular use of the cosmetic product, 'Moispoint' is particularly effective to improve wrinkles around the eye area with its ability to retain moisture in stratum corneum for maintaining resilience of skin. And no adverse effects were reported during and after the entire test period.