

〈教育セミナー〉

エイジングケア 2007—シミ・シワの皮膚科学から化粧品開発まで—

抗シワ製品評価ガイドラインに沿ったシワ計測法について

大栗基樹

Wrinkle Measuring Methods Based on Guidelines for Evaluation of Anti-wrinkle Products

Motoki OGURI

Abstract

Consumers want cosmetics that are effective in preventing and improving wrinkles. The EU has a category of cosmetics called Anti-wrinkle Products, and while the US may not have such a category, it is possible to state temporary improvement of wrinkles as an efficacy claim in the labeling. In Japan, however, it is not acceptable to use expressions related to wrinkles in labeling, other than as an effect of make-up. Against this background, the Task Force Committee for Evaluation of Anti-aging Function has promoted the standardization of anti-wrinkle effect evaluation methods and have prepared guidelines for evaluation of anti-wrinkle products targeting crow's feet wrinkles to facilitate the Ministry of Health, Labour and Welfare's acceptance of anti-wrinkle efficacy for cosmetics and quasi-drugs. In this guideline, efficacy is judged based on both the results of visual evaluation and a photographic evaluation and wrinkle measurements conducted using instruments. This paper describes three wrinkle measuring methods using instruments selected in the guideline; 2-dimensional analysis of skin surface replicas using oblique illumination, 3-dimensional analysis of skin surface replicas and *in vivo* 3-dimensional analysis (direct analysis without replicas).

Key words: wrinkle, measuring methods using instruments, evaluation, guideline.