

〈シンポジウム〉

(抗老化化粧品の一戦略——シワ対策化粧品の一戦略)

皮膚の弾力性改善によるシワ対策

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Wrinkle Care by Improving Skin Elastic Properties

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Abstract

In general, skin elasticity usually decreases during the early stage of wrinkle generation, so for preventing the generation of wrinkles, we considered it important to prevent the decrease of elasticity of the skin itself. Skin elasticity is greatly influenced by both the horny layer with tenacious hardness and the dermis as the main component of skin thickness. This paper presents our laboratory findings to date concerning these issues. In addition, various methods for evaluating wrinkles are discussed in order to create an evidence-based cosmetic approach. Finally, by using some agents which improve the dispersion of keratin filament in the horny layer of the skin and those which prevent the elastase activity of skin fibroblasts which are a likely cause of destruction of the 3-D structure of elastic fibers in the dermis, the effect of these agents to prevent and improve human facial wrinkles was examined in practice. The objective was to provide evidence that fine wrinkles can be diminished and wrinkles can be prevented by improving the elasticity of the skin.

Key words: wrinkle, elastic property, evidence, efficacy evaluation.