

〈教育シリーズ〉

皮膚をみる人たちのための化粧品知識

シワ形成メカニズムと抗シワ製品

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**The Mechanisms of Skin Wrinkle Formation and Development of
Anti-Wrinkle Products**

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Abstract

Skin wrinkles are worldwide, major concern for beauty. Many studies report the mechanisms of wrinkle formation, including intrinsic and extrinsic aging-relating changes of skin structure/function. Since fine wrinkles, which are observed at epidermis, are known to be formed by dryness of skin, moisturizing is one of the best options for prevention/improvement of fine wrinkles. On the other hand, deeper wrinkles show structural alteration of dermis. The changes of quality and/or quantity of dermal extracellular matrix, such as collagen, elastic fiber and hyaluronic acid, are reported in aged skin. In this paper, we summarize how fine- and deep wrinkles are formed based on various studies, and introduce established treatments for anti-wrinkles.

Key words: wrinkles, photo-aging, anti-wrinkle treatment.