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小ジワや毛穴の目立ちと肌荒れ

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Skin Roughness and Conspicuousness of Fine Wrinkles and Skin Pores

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Abstract

Conspicuous fine wrinkles and pores are one of the most concerned skin problems for women regardless of their nationality. In this seminar, we introduce how skin roughness relates to the appearance of fine wrinkles and skin larger pores. From our investigation, wrinkles around eyes became conspicuous significantly when skin roughness was experimentally induced by repeating face-washing for five times a day, which led to lower a skin barrier function and the water content of stratum corneum. We also found that parakeratosis was observed at the circumference of the follicular of a conspicuous pore, which became a sort of rough skin, and that the primary factor was an unsaturated fatty acid contained in sebum. In other words, it became clear that skin roughness was closely related to the conspicuousness of wrinkles and pores. Furthermore, as a result of our investigation to examine by what kind of mechanism an epidermal cell responds to desiccation and unsaturated fatty acids, it was found that ion channels of an epidermal cell played an important role in the mechanism.

Key words: wrinkle, pore, skin roughness, ion channel.