

〈原 著〉

敏感肌の角質細胞の形態学的特徴および スキンケアによる改善効果

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Morphological Investigation of Desquamated Corneocytes from Subjects with Sensitive Skin and Improvement of Their Corneocytes by Using Skin Care Products

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Abstract

Tape-stripped corneocytes taken from female subjects with sensitive skin were morphologically examined. Scanning electron microscopic examination revealed that masses of the corneocytes with villus-like projection (vp) were observed on the corneocytes from sensitive skin more frequently than in the ones from normal skin. This phenomenon was even more prominent in dry-type sensitive skin as compared with the oily-type. In order to understand the relationship between skin condition and vp, corneocytes taken after skin care treatment were examined. Nine subjects out of thirty volunteers with dry-type sensitive skin showed apparent improvement of skin condition after four weeks of daily skin care treatment. In five of nine subjects with improved skin, the mass of the corneocytes with vp decreased or even disappeared. Thus, we conclude that mass of the corneocytes with vp is one of the morphological characteristics in the subjects with dry-type sensitive skin and may be improved by daily use of skin care products.

Key words: sensitive skin, skin care, corneocyte, villus-like projection (vp), tape-stripping technique.