

〈原 著〉

口唇荒れ — 重症度とパラメーター —

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Lip Chapping – Clinical findings and parameters

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Abstract

We studied the relationship between clinical symptoms of lip chapping and physiological evaluations of the lips.

The 44 subjects were aged 20-29 years old and somatic symptom-free women, received questionnaires, diagnosis via clinical findings, and various parametrical measurements. Clinical evaluations were made on the basis of 12 clinical findings and overall findings classified into 4 stages. Measurements were performed in terms of 6 items, i.e. viscoelasticity, surface temperature, transepidermal water loss, hydration state, hygroscopicity and water holding capacity (HWHC), and parakeratotic cells.

The examination of the clinical findings suggests that, in the process of lip chapping, 1) corneum level symptoms such as dryness and scaling of lips and increase of wrinkles first appear, and then, 2) at a severe stage, erythema and fissures appear, and pain is felt, which are thought to be the symptoms from lesions involved in the dermis. The clinical findings and the results of the measurements indicate parakeratotic cells, elasticity and hydration state to be valid as objective parameters for lip chapping.