〈原　著〉

乾燥皮膚測定用プローブMT-8Cの角層水分含有量測定における有用性の検討

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Measurement of the Skin Surface Hydration State of the Dry Skin by a New Probe (MT-8C)

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Abstract

When high frequency conductance measurements are performed on lesional skin covered by scales such as atopic xerosis, senile xerosis or psoriasis, the values recorded with a commercially available, ordinary probe tend to be lower, indicating a reduced hydration state than the actual one because the rough and firm surface prevents close contact with the hard and flat surface of the applied probe. We evaluated the usefulness of MT-8C probe (Measurement Technologies, Cincinnati, U.S.A.) developed for measurements on dry skin, whose electrodes touching the skin consist of 8 spots instead of a flat surface. It showed slightly higher sensitivity than the commercially available probes attached to Skicon in measuring the amount of water contained in the dry skin, but the recorded values showed more variations than the latter because of its much smaller contact area making it difficult to touch to the same spots repeatedly.