

〈シンポジウム II〉『環境と皮膚』

体外環境と皮膚 乾燥と皮膚

## 乾燥環境が皮膚に及ぼす影響

平井義和\*, 二川朝世

### The Influence of Dry Environment on Skin

Yoshikazu HIRAI\*, Mikayo FUTAGAWA

#### Abstract

The meteorological environment of Japan is characterized by significant regional differences and seasonal changes. The skin is an organ positioned on the outermost layer of the body, and is thus susceptible to the effects of the external environment. We analyzed relationships between the meteorological environment of Japan and various items related to skin condition based on a large volume of data. The results showed that many items varied due to regional differences and seasonal changes. Uniformity of the amount and distribution of melanin in corneocytes obtained by the tape-stripping method, visible condition of blemishes on the face, and the condition of wrinkles at the outer corners of the eyes were related to hours of sunlight. Thick abrasion and cellular arrangement of corneocytes obtained by the tape-stripping method were more strongly related to water vapor concentration (absolute humidity) than relative humidity.

**Key words:** corneocyte, thick abrasion, cellular arrangement, water vapor concentration.