（シンポジウム：香粧品とは）

サンスクリーン

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Sunscreen

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Abstract

Sunburn and suntan are influenced by a series of physical factors originating from sunlight radiation, and also by many biological features of the irradiated organisms.

The most important physical factors which affect sunburn and suntan are as follows: altitude, latitude, season, time of day, ozone layer, weather, and other environmental conditions.

For the most important biological factors, there are age, sex, menses, pregnancy, temperature, humidity, wind, skin complexions, site, and swimming activity.

Among the biological factors are some which affect the whole organisms and others which affect the skin, but a clear-cut division is not always possible.

Efficacy of sunscreen products which prevents sunburn is therefore influenced by the above two factors, and it depends on their absorption and scattering ability of ultraviolet exposure.

In this paper we would like to emphasize the importance of selection of the efficacy test method to determine the SPF values of sunscreen products, because, even tested by using the same products, a marked difference in the SPF value was found with different light sources employed.

Finally the related factors to the practical use of sunscreen products are also discussed.