

〈原 著〉

フケ計測機の開発とその応用

吉江 和夫, 新宅 栄治, 戸張 真臣, 永山 升三*

The Development of Instrument Measuring Dandruff and its Application

Kazuo YOSHIE, Eiji SHINTAKU
Maomi TOBARI, Masuzo NAGAYAMA*

Abstract

The instrument which can measure easily the number and size of dandruff flakes on the human scalp was developed.

By the instrumental measurement, the seasonal variations of dandruff and the antidandruff effect of shampoo and rinse containing Piroctone Olamine, of which the antidandruff effect had been recognized clinically by the sensory evaluation, were investigated.

Results were as follows.

1. It was observed that the number of dandruff flakes was more in November than in May.
2. The difference of the size of dandruff flakes between May and November was not observed.
3. Shampoo and rinse containing Piroctone Olamine showed significantly superior antidandruff effect to non-medicated shampoo and rinse, and this result is the same as that of sensory evaluation.

Key words

1. Instrument measuring dandruff
2. Dandruff flake
3. Seasonal variation
4. Piroctone Olamine
5. Antidandruff effect