

シンポジウム「ヘアー・ダイとパーマ」

(3) ヘアカラーとパーマによる毛幹の変化

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Damage of Hair Shafts by Hair Color Lotion and Permanent Wave Lotion

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Abstract

Kao Consumer Life Science Research Laboratories have started hair clinic activities in 1975, in order to educate consumers in hair care and to collect true information and needs from consumers. The individual data for consumers regarding the hair care activities, the morphological characteristics and the damage extent of hair have been put into a computer and applied to the development of new hair products.

In the present paper, the effect of hair coloring and permanent waving on the hair damage determined with a micro-scope was analyzed based on the above hair clinical data. The results obtained were as follows:

- (1) With increasing of the degree of cuticle damage, the women feel the changes of sensory properties.
- (2) The lifting of cuticle edges were occurred by coloring and permanent waving.
- (3) The cuticle cells were stripped off by coloring and permanent waving followed by friction.