

〈教育シリーズ〉

皮膚をみる人たちのための化粧品知識

頭髪用製品とその作用

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Hair Care Products and Their Effects

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Abstract

Hair care products include shampoo, conditioner, treatment, hairstyling product, perm agent, coloring agent, and hair growing agent. The products other than shampoo and hair growing agent are used for scalp hair shaft, which is a dead part. Therefore, unlike skin care products, it is characteristic for hair care products that some of them act with a chemical reaction, like permanent wave lotions and oxidation hair dyes. In this article, I explain hair care products except in-bath products (shampoo, conditioner, and treatment) with a focus on their functions, product types, purposes, ingredients, and usages. Hairstyling can be performed by rearranging hydrogen bonds in hair. In other cases, hairstyles are made by fixing hair fibers with fixative ingredients. Hairstyling products assisting hairstyling or fixing hairstyles include hair sprays, hair water or lotions, hair foams, hair creams or milks, gels, liquids, tonics, oils, waxes, etc. The characteristics of their forms and components are explained. Perm agent is intended to change hair shape permanently by cleavage and recombination of disulfide bonds in the hair. In addition to the perm agent of quasi-drug from the past, there has been extending recently curling agents of the cosmetic category, of which curling mechanism is based on the reduction and oxidation of disulfide bonds, same as quasi-drugs. As for hair coloring agent, there are also quasi-drugs and cosmetic products. In the quasi-drug category, there are oxidation hair dyes and bleaching agents. There are semi-permanent hair color and temporary hair color in cosmetic products. Their coloring mechanisms and including components are described. As for hair growing agents, many effective ingredients have been proposed in accordance with the mechanism of thinning hair. I explain briefly products in the categories of medicine and quasi-drug.

Key words: hairstyling, perm, curling agent, coloring, hair growing agent.