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Metal hypersensitive alopecia areata, a new entity: Additional report

Alopecia areata (AA) has been known to be an allergic disease ever since the discovery that improvement can be obtained through the systemic usage of corticosteroid, and that hair follicles are destroyed by the invasion of CD4 positive lymphocytes added with smaller number of CD8 positive lymphocytes. The allergens that produce AA had not been known till 2005, when metal series patch test allergens showed a causation of AA. These patch tests revealed that 70% of patients with severe symptoms showed hypersensitivity towards metals. Such metals come from dental metals and kettles, and ingested metal ions reach hair follicles through blood streams to form a complete antigen. This conjugate of keratin + hapten provokes allergic reactions that result in the destruction of hair follicles in the form of AA. The eliminations of causative metal allergens from oral cavities and kettles could cure approximately 70% of patients with severe AA, who are allergic to metals, and most importantly, this could result in the complete shutdown of commonly occurring relapses of severe AA. Recent cases have shown that on the average, relapse has not occurred during the span of 4 years and 4 months of follow up. Cases of metal hypersensitive alopecia will be demonstrated, as well as exceptional other causations such as house dust mite components of atopic alopecia will also be discussed.

Biography

Hideo Nakayama was the Chief Dermatologist in Tokyo Saiseikai Central Hospital from 1970 to 1995. He was the Visiting Lecturer of Keio University, School of Medicine, from 1973 to 1995, Chief Dermatologist and Allergologist at Nakayama Dermatology Clinic from 1995 to 2015. He has graduated from Keio University, School of Medicine in 1961. Currently, he is the Advisor Doctor in Meguro Chen Dermatology Clinic (Tokyo). He has discovered new allergens, such as palladium, benzyl salicylate, R-219 (D&C R-31), ylang-ylang oil, α -acaridial, etc., and developed new treatment systems by allergen control with pigmented cosmetic dermatitis, textile dermatitis, dental metal allergy and atopic dermatitis.

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