

〈教育シリーズ〉

化粧品を扱う人々が知っておきたい皮膚障害と化粧の有用性～臨床現場から～

ジェルネイルによるアレルギー性接触皮膚炎事例について

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**Allergic Contact Dermatitis Due to Acrylates in Acrylic Gel Nails**

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**Abstract**

With the spread of nail art, the number of people who enjoy dressing up their nails daily with nail cosmetics such as gel nail polish is increasing. However, the popularity of nail art has led to an increase in the number of patients with allergic contact dermatitis due to the acrylic resin in nail cosmetics. Acrylic resins are known to cause occupational allergies in nail artists, dental technicians, printers and fiberglass workers. Allergic contact dermatitis also occurs when unpolymerized acrylic resin adheres to the skin during gel nail or nail tip application. A typical clinical symptom of allergic contact dermatitis caused by nail cosmetics, such as gel nails, is dermatitis around the nail and finger pads, presenting as intense itching and burning in the finger. Acrylic resin might also cause airborne contact dermatitis on the patient's face and neck. There have also been reports of cases in which gingivitis was induced by dental treatment involving the use of acrylic resin.

We performed patch tests to identify the causative agent for allergic contact dermatitis induced by acrylic resin. The most frequent allergen was found to be 2-hydroxyethyl methacrylate. Although acrylic resins are strong sensitizers, allergies can be avoided by their proper and safe use.

**Key words:** gel nail, allergic contact dermatitis, acrylic resin, 2-hydroxyethyl methacrylate.