ABSTRACT BOOK ABSTRACTS



CONTACT DERMATITIS AND OCCUPATIONAL DERMATOSES

## ALLERGIC CONTACT CHEILITIS AND PERIORAL DERMATITIS: RETROSPECTIVE ANALYSIS OF PATCH TEST DATA IN CHINA

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Background: There is currently no epidemiological study to compare the contact allergic reactions between cheilitis and perioral dermatitis.

Objectives: To report patch-test results of patients with cheilitis or perioral dermatitis from 2014 to 2017 at Department of Dermatology, Huashan Hospital, Fudan University. Patient characteristics, allergen frequencies in aforementioned disorders were compared.

Methods: A total of 56 patients with cheilitis and 33 patients with perioral dermatitis were patch tested with the Chinese broad screening series.

Results: Relevant patch testing reaction rate in patients with perioral dermatitis were significantly higher than patients with cheilitis (69.7% vs 42.9%, P=0.017). The top three allergens of both disorders are fragrance mix I, nickel sulfate and bronopol. Sensitization to bronopol (p=0.006) were significantly more frequent in perioral dermatitis than in cheilitis. Approximately 1/3 subjects had two or more positive allergens. Female perioral dermatitis patients more frequently had a relevant positive reaction than their cheilitis counterparts (P=0.043). There was no significant difference in the relevant positive reaction rates of patients with cheilitis or perioral dermatitis among the different age.

Conclusions: Cheilitis and perioral dermatitis had multiple differences in contact hypersensitivity. The prevalence of contact allergy in perioral dermatitis was higher than cheilitis. Gender and age both had an impact on sensitization to allergens in aforementioned disorders.



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