

CONTACT DERMATITIS AND OCCUPATIONAL DERMATOSES

## 60 SERIES PATCH TESTS RESULTS OF 303 CASES WITH ALLERGIC DISEASES IN BEIJING CHANGPING AREA

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**Objective:** In order to analyze the contact allergens of patients with allergic skin disease in Beijing Changping Area.

**Methods:** Patch test of New 60 European standard series allergens was performed on 303 patients with allergic diseases.

**Results:** The total positive rate of 217 patients, in facial dermatitis patch test with European standard was 83.87%. The top-six common antigens were nickel sulfate(29.95%), Cobalt chloride hexahydrate (23.04%), Hydroperoxides of Linalool (19.35%), Methylisothiazolinone (17.97%), Phenyl peroxide (9.67%), Hydroperoxides of Limonene (8.75%). There was no significant difference in the positive rate of patch test in different sex ( $P=0.14$ ). There was a significant difference in the total positive rate of patch test among different types of diseases in facial dermatitis ( $p<0.05$ ). The most common primary disease of facial dermatitis is Atopic dermatitis (52.07%) diagnosed by Zhang's criterion in China, followed by contact dermatitis (16.59), hormone-dependent dermatitis (16.13%), dermatitis of unknown disease (9.68%) and perioral dermatitis (5.53%). In 85 patients, in hand eczema, the total positive rate was 71.76%, the top-three common antigens were nickel sulfate(27.06%), Cobalt chloride hexahydrate (23.52%), Phenyl peroxide (11.76%) and Hydroperoxides of Linalool (11.76%). There was no significant difference in the positive rate of patch test in different sex ( $P=0.31$ ).

**Conclusion:** Patch test is useful in finding out the contact allergens in patients with hand eczema and facial dermatitis.