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Bronchial challenge testing in mild to moderate asthmatics

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Background: Bronchial challenge is almost confirmatory test for airway reactivity, a significant test for confirming asthma.

Methodology: Already established methodology for the test was used by the direct method using graded concentrations of histamine and using FEV1 as parameter. **Results:** Fifty mild to moderate asthmatic patients were assessed for airway hyper-responsiveness. The youngest was 18 years, the oldest 51 years, the mean age was 34 years. Forty-four percent were males and 56% were females. Bronchial challenge tests were positive in 90% of mild to moderate asthmatic patients.

Conclusion: There was a significant linear correlation of PC20 levels with forced expiratory volume in the first second. There was no significant correlation of PC20 levels with serum IgE levels.

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