

Abstract

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Sensitivity and tolerance to tartrazine in aspirin-sensitive asthmatics.

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Abstract

The occurrence of sensitivity to **tartrazine** was examined in 51 patients with asthma and aspirin sensitivity. All patients underwent oral challenge tests with aspirin and **tartrazine**. Sensitivity to **tartrazine** was found in 16 i.e. 31.4% of tested asthmatics. The symptoms of sensitivity to **tartrazine** were similar to those of aspirin. Tolerance to **tartrazine** was induced in 5 aspirin and **tartrazine** sensitive asthmatics. Sensitivity to both substances was manifested in these 5 persons as dyspnea but 2 of them had additional extrabronchial symptoms. A good tolerance of 40 mg **tartrazine** was achieved in all the challenged patients who did not refer any dyspnea and extrabronchial symptoms. It was also proven that, being in the aspirin tolerance state the patients could be given **tartrazine** with no sensitivity symptoms. The authors think that the possibility of inducing **tartrazine** and aspirin tolerance, as well as the course of sensitivity reaction to both substances, both point to a similar pathogenetic background.

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