

Estimation Cytokines IL-2, IL-4, IL-8 in Serum and Nasal Secretions of Patients with Various Forms of Chronic Polypoid Rhinosinusitis

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Abstract : Background: Currently, the researches on the development of chronic polypoid rhinosinusitis cytokines play a major role. The aim of this study was the comparison of indicators IL-2, IL-4, IL-8 in the peripheral blood and nasal secretions of patients with various forms of chronic polypoid rhinosinusitis. Material and methods: We studied 50 patients with chronic polypoid rhinosinusitis receiving hospital treatment in the ENT department of the 3-rd clinic of Tashkent Medical Academy. It was carried out a comprehensive study including morphological examination, immunological study of blood and nasal secretions on the IL-2, IL-4 and IL-8. Results: The results of immunological studies of peripheral blood showed that patients with 'eosinophilic' polyps were increased IL-2 and IL-4 in patients with 'neutrophils' polyps were increased IL-2 and IL-8. Immunological investigation nasal secretions taken from patients with nasal polyposis rhinosinusitis showed that patients with 'eosinophilic' polyps also increased IL- 2 and IL- 4 in patients with 'neutrophils' polyps - increased IL-2 and IL-8. Conclusion: In patients with 'eosinophilic' polyps revealed the presence of immunity to the allergy of the body, patients with 'neutrophilic' polyps identified immunity to the presence of inflammation, it is necessary to take into account the doctor-otolaryngologist when choosing a treatment strategy for the prevention of recurrence of the disease.

Keywords : chronic polypoid rhinosinusitis, immunology, cytokines, nasal secretion

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