

## عنوان مقاله:

?Lophomonas blattarum Infection in Allergic Rhinitis Patients: Does it affect the Treatment of Allergic Rhinitis

## محل انتشار:

مجله ایمنی و بهبود بیمار, دوره 10, شماره 2 (سال: 1401)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

**Introduction:**This study aims to investigate the prevalence of *Lophomonas blattarum* in allergic rhinitis patients and the effect of allergic rhinitis treatment in patients with allergic rhinitis along with *L. blattarum* infection. **Materials and Methods:** This Prospective cohort study was conducted in the tertiary otorhinolaryngology-head and neck centers in Mashhad, Iran. Patients with allergic rhinitis (in the two groups of *L. blattarum*-positive and *L. blattarum*-negative) were treated for allergic rhinitis, and their response to treatment was evaluated after ۲ and ۴ weeks. **Results:** In this study, ۵۶ patients (including ۳۶ females and ۲۰ males) were examined. The *L. blattarum* was identified in ۱۶ patients (۲۸.۶%), ۱۰ of whom were female. There was no significant relationship between *L. blattarum* infection with gender ( $p: ۰.۹۹۰$ ), occupation ( $p: ۰.۹۱۵$ ), type of allergy ( $p: ۰.۹۹۰$ ), and various allergens. After treatment, the severity of allergic rhinitis symptoms, except for eye swelling ( $p: ۰.۲۰۳$ ), were significantly decreased in *L. blattarum*-positive patients. Also, the severity of allergic rhinitis symptoms were remarkably decreased in both *L. blattarum*-positive and *L. blattarum*-negative patients. **Conclusion:**The *L. blattarum* infection was found in ۲۸.۶% of patients with allergic rhinitis, and *L. blattarum* infection did not affect the treatment of allergic rhinitis.

**کلمات کلیدی:**

Allergic Rhinitis, allergy treatment, Lophomonas Blattarum

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