

عنوان مقاله:

Investigation of IL-17RA and IL-23R gene expression in patients with bullous pemphigoid

محل انتشار:

سومین کنگره بین المللی و پانزدهمین کنگره ملی ژنتیک ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Maryam Akbari - *Biology Department, Islamic Azad University-East Tehran Branch, Tehran, Iran*

Pardis Sadat Tabatabaei Panah - *Biology Department, Islamic Azad University-East Tehran Branch, Tehran, Iran*

Mehdi Montazer Haghighi - *Biology Department, Islamic Azad University-East Tehran Branch, Tehran, Iran*

خلاصه مقاله:

Bullous pemphigoid (BP) is the most frequently occurring entity among autoimmune bullous skin diseases. Although the genetic determinants of BP have not been precisely elucidated, some studies have shown an association between the IL-17RA and IL-23R expression and BP disease susceptibility. Yet, these findings had so far not been independently replicated, and no data on a possible association of expression and BP in Iranian population were available. **Methods** This study contains 20 BP patients and 20 healthy controls. cDNA was synthesized after RNA isolation. IL-17RA and IL-23R expression levels were measured by Real-time PCR. Several relevant information such as demographic data (age, gender ...) or clinical characteristics were analyzed for a possible effect of these factors on susceptibility to BP in patients. **Results** IL-17RA gene expression levels were significantly upper in patients with BP (10.35 ± 2.76) in comparison with control individuals (1.02 ± 0.23) ($P=0.002$) and IL-23R gene expression levels were significantly lower in patients with BP (0.41 ± 0.14) in comparison with control individuals (1.44 ± 0.11) ($P=0.001$). **Conclusion** Evaluation of IL-17RA gene shows that the expression of this gene is significantly upper in patients than that of controls and Evaluation of IL-23R gene shows that the expression of this gene is significantly lower in patients than that of controls.

کلمات کلیدی:

Bullous pemphigoid, Autoimmune disease, IL-17RA, IL-23R

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