

عنوان مقاله:

The RETN gene rs1862513 polymorphism as a novel predisposing marker for familial Acne vulgaris in a Pakistani population

محل انتشار:

مجله علوم پایه پزشکی ایران، دوره 18، شماره 5 (سال: 1394)

تعداد صفحات اصل مقاله: 3

نویسندگان:

Sabir Hussain - Department of Biosciences, COMSATS Institute of Information Technology, Islamabad-۴۶۰۰۰, Pakistan

Ahmad Faraz - Department of surgery, Government Post Graduate Medical Institute, Lady Reading Hospital, Peshawar, Pakistan

Tahir Iqbal - Department of Internal Medicine, Shifa College of Medicine, Shifa International Hospital, H-۸/۴, Islamabad, Pakistan

خلاصه مقاله:

Resistin (RETN), recently found to be relevant to inflammation and inflammatory disorders. We, therefore, aimed to investigate the potential role of RETN gene polymorphism in pathogenesis of acne vulgaris with familial history. We investigated the RETN-۴۲۰C/G polymorphism in ۱۸۰ patients with acne vulgaris and ۱۸۰ healthy individuals in a case-control association analysis. In this study, we also investigated the heritability of the RETN susceptible allele from ۱۴۰ trio families with acne affected offspring. The genotyping was performed by polymerase chain reaction and direct DNA sequencing. The RETN-۴۲۰C/G polymorphism was significantly associated with acne in patients compared with healthy controls ($P=0.014$). The minor allele G at -۴۲۰ was more prevalent in cases vs. controls ($P=0.002$). The RETN-۴۲۰C/G polymorphism was significantly associated with severity of acne vulgaris in patients ($P=0.0097$). The results of a transmission disequilibrium test revealed a significant association between the RETN-۴۲۰C/G polymorphism and acne vulgaris ($P<0.001$). For the first time in the literature, to our knowledge, we demonstrate a significant association of the RETN-۴۲۰C/G functional polymorphism with familial acne vulgaris.

کلمات کلیدی:

Acne, Association, Gene, Polymorphism, Resistin

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1297141>

