

论著

# 华东地区汉族人群IL12B基因多态性与Graves病相关性研究

孙玲玲; 褚迅; 黄薇

皖南医学院

收稿日期 2006-9-7 修回日期 2007-1-8 网络版发布日期: 2007-6-1

**摘要** 目的 研究华东地区汉族人群IL12B基因3' UTR多态性与Graves病的相关性。方法 用直接测序法对华东地区93例Graves病患者及94例正常对照者的IL12B基因的3' UTR的多态位点进行检测, 分析华东地区汉族人群IL12B基因与Graves病的相关性。结果 在IL12B的3' UTR区检测到2个SNPs: 1188A/C和1358-/G, 基因型分布在GD患者和正常对照中无统计学差异; 单倍型分析显示A-频率在GD患者中显著低于正常对照: P=0.046。结论 IL12B可能与GD的易感性有关。

**关键词** [Graves病](#) [单核苷酸多态性](#) [IL12B基因](#)

分类号

## Association Study of IL12B gene polymorphisms with Graves' disease in Chinese Hans Residing in East and South-east China

**Abstract** Objective To investigate the association between 3' UTR polymorphisms of IL12B gene and Graves' disease in Chinese Hans Residing in East and South-east China. Methods 93 patients with Graves disease and 94 healthy control subjects were recruited in Chinese Hans Residing in East and South-east China, Genomic DNA was extracted and PCR products spanning the 3' UTR of IL12B gene was sequenced in both directions. Results Two SNPs were detected in the 3' UTR of IL12B gene: 1188A/C和1358-/G. These IL12B gene polymorphisms show strong linkage disequilibrium, and their genotype and allele frequencies in the patients did not differ from those in the control subjects. But the frequency of haplotype A- was significantly lower in GD group compared with the control group (0.34 vs 0.44, P=0.046). Conclusion These results imply that the IL12B gene may be association with Graves' disease in Chinese Hans.

**Key words** [Graves' disease](#) [single nucleotide polymorphisms](#) [IL12B gene](#)

DOI

通讯作者 孙玲玲 [sunll@chgc.sh.cn](mailto:sunll@chgc.sh.cn)

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