

论著

MTHFR基因多态性与银屑病的遗传易感性

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摘要 【摘要】 目的 探讨亚甲基四氢叶酸还原酶(methylenetetrahydrofolate reductase, MTHFR)基因单核苷酸多态与中国北方地区银屑病的关系。方法 针对123例寻常型银屑病患者和129名正常对照个体, 分别用PCR-RFLP和AS-PCR的方法, 分析C677T、G1793A和A1298C 3个多态位点基因型, 并进行统计分析。结果 在病例组中, MTHFR 677 C、T等位基因频率分别为45.13%、54.87%, 1298A、C等位基因频率为88.37%、11.63%, 1793G、A等位基因频率为95.12%、4.88%。在正常对照组中, 677 C、T等位基因频率分别为44.96%、54.87%, 1298A、C等位基因频率为86.44%、13.56%, 1793G、A等位基因频率为96.12%、3.88%。经统计学分析, MTHFR C677T、A1298C、G1793A 各多态位点基因型、等位基因频率在病例组和对照组中的分布差异无显著性意义, C677T与A1298C基因型联合分析也未发现有统计学意义。结论 MTHFR基因的3个多态位点(C677T、A1298C、G1793A)与寻常型银屑病无明显的相关关系, 可能与寻常型银屑病的易感性无关。

关键词 [寻常型银屑病](#) [亚甲基四氢叶酸还原酶](#) [基因多态性](#) [疾病易感性](#)

分类号

Association between Single nucleotide polymorphisms in methylenetetrahydrofolate reductase gene and susceptibility of psoriasis

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Abstract 【Abstract】 Objective To investigate the relationship of methylenetetrahydrofolate reductase polymorphisms and psoriasis vulgaris in north of china .Methods DNA genotyping was performed on peripheral blood leukocytes in 123 patients of psoriasis vulgaris and 129 controls. Three common polymorphisms(C677T and A1298C and G1793A)of MTHFR gene were analyzed by PCR-RFLP and AS-PCR.Results In cases,The allele frequencies of the C677T were as follows:C,45.13%;T,54.87% .The allele frequencies of the 1298 C and 1793 G were 11.63% and 4.88% .In controls ,the allele frequencies of 677T and 1298C and 1793G were 55.04% and 13.56% and 3.88%.By statistics analysis,there was not significantly different in genotype frequencies and allele frequencies of three polymorphic sites between the two groups. The combinative analysis of C677T and A1298C genotypes didn't show significantly different. Conclusions MTHFR gene polymorphisms are not associated with psoriasis vulgaris susceptibility probably.

Key words [psoriasis vulgaris](#) [Methylenetetrahydrofolate reductase](#) [Gene polymorphism](#) [disease susceptibility](#)

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