عنوان مقاله:

Prevalence of GNB۳ C۸۲۵T Gene Polymorphism in Children with Vesicoureteral Reflux in Kerman

محل انتشار:

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خلاصه مقاله:

Background & Aims: Vesicoureteral Reflux (VUR) is a congenital defect of the urinary tract which has been reported in approximately ۱% of children. Several immunological and genetic factors are listed as major causes of this problem. The C۸۲۵T polymorphism of the GNB۳ gene is among the genetic factors that may be involved in the development or progression of the disease. Participatory role of this polymorphism has been reported in several diseases, but its role in the development or progression of this disease is still not set correctly. Methods: This study, based on a Case-Control analysis, was carried out in Kerman province. A total of ۸۰ children with VUR and ۸۰ healthy children were selected and frequency of C۸۲۵T polymorphism of the GNB۳ gene was examined by using PCR-RLFP. Results: The overall prevalence of heterozygous CT genotype of GNB۳ gene in patients with VUR was significantly higher compared to the control group (P = ۰.۰۱۲, OR = ۱.۹۲). Conclusion: These results suggest that the C۸۲۵T polymorphism may be involved in establishing the initial VUR. However, further studies to determine the role of this gene as a marker for predicting the likelihood of VUR is required

کلمات کلیدی:

C۸۲۵T Polymorphism, GNB۳ Gene, Vesicoureteral reflux