

**عنوان مقاله:**

Renin-Angiotensin A1166C Polymorphism and the Risk of Stroke

**محل انتشار:**

مجله سلول و تحقیقات مولکولی، دوره 7، شماره 1 (سال: 1394)

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**خلاصه مقاله:**

Stroke is the leading cause of death and disability in the world after the cancer and cardiovascular diseases. Genetic factors are the main players to get stroke. Renin-angiotensin system contains candidate genes and polymorphisms for causing stroke. There are reported associations between stroke and angiotensin II type-1 receptor g. 1166A > C polymorphism (rs5186). Therefore in this study this association was investigated for the east Iranian population. This study is based on 201 stroke patients and 220 controls. To predict the genetic risk of stroke allele and genotype frequencies of angiotensin II type-1 receptor rs5186 were analyzed in this population according to stroke subtypes, gender, age, hypertension, diabetes mellitus, high and low density lipoprotein and triglycerides. According to statistical analysis no significant difference was found between case and control groups. But there were a significant relevance between total cholesterol and stroke ( $p = 0.037$ ). In this population angiotensin II type-1 receptor g. 1166A > C polymorphism did not increase the risk of stroke. The main reason for this study is complex nature of gene-environment interactions in the pathophysiology of this disease

**کلمات کلیدی:**

Stroke, Polymerase Chain Reaction-Restriction Fragment Length Polymorphism (PCR-RFLP), Angiotensin II type-1 Receptor g. 1166A > C Polymorphism

**لینک ثابت مقاله در پایگاه سیویلیکا:**

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