

## عنوان مقاله:

Association of Methylenetetrahydrofolate Reductase (MTHFR) Gene C677T and A1298C Polymorphisms with Myocardial Infarction From North of Fars Province

## محل انتشار:

مجله تحقیق در پزشکی مولکولی، دوره 2، شماره 3 (سال: 1393)

تعداد صفحات اصل مقاله: 5

## نویسندگان:

Mahboobeh Nasiri - Department of Natural Sciences, Arsanjan Branch, Islamic Azad University, Arsanjan, Iran

Ali Roostaei - Department of Microbiology, Science and Research Branch, Islamic Azad University, Fars, Iran

Zeinab Ehsanian - Department of Natural Sciences, Arsanjan Branch, Islamic Azad University, Arsanjan, Iran

## خلاصه مقاله:

Background: The association between Methylene tetrahydrofolate reductase polymorphism and Coronary Artery diseases risk has been both confirmed and refuted in a number of published studies. The aim of this study was to investigate whether genetic polymorphisms of MTHFR (C677T, A1298C) contributed to the development of myocardial infarction (MI). Materials and Methods: The present case-control study consisted of 54 patients with a history of MI and 54 gender-matched normal controls. The SNPs genotypes were determined using polymerase chain reaction followed by restriction fragment length polymorphism method. Results: No significant association of the MTHFR A1298C with the risk of MI was observed. However, the allele frequencies of C677T SNP differed significantly among patients and controls (0.83 vs. 0.30). A strong positive relationship between the TT genotype and the risk of MI supported with a significant p-value < 0.001 (OR= 11.87, 95% CI: 4.7- 29.9, p < 0.001). Conclusions: The results of the present study show the importance of C677T SNP as a potential biomarker for screening susceptible cases to MI

## کلمات کلیدی:

Methylenetetrahydrofolate Reductase, Myocardial infarction, polymorphism

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1882080>

