

CYP1A1 M2 (A2455G) Polymorphism with Susceptibility to Breast Cancer

Dear Editor,

We read the publication on “Association of CYP1A1 M2 (A2455G) Polymorphism with Susceptibility to Breast Cancer in Mazandaran Province, Northern Iran: A Case-control Study” with a great interest.^[1] Khalili-Tanha *et al.* concluded that “M2 allelic genotypes were significantly associated neither with breast cancer risk nor with clinicopathological characteristics in Mazandaran province.”^[1] Indeed, the result from this study is concordant with a recent report from China.^[2]

Basically, the genetic variant A2455G can result in change at molecular level. The change in molecular weight occurs and can further result in phenotypic expression. However, the important concern is whether there is an actual interrelationship between CYP1A1 and carcinogenesis process. Although the possible interrelation between CYP1A1 and carcinogenesis has been proposed for a long time,^[3] there has never proven clarified pathophysiological process. In case that there is no direct pathophysiological linking between CYP1A1 biological process and carcinogenesis, the molecular alteration and genetic change cannot affect any carcinogenesis process.

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Conflicts of interest

There are no conflicts of interest.

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