Methylenetetrahydrofolate Reductase Polymorphisms (C677T and A1298C) and Migraine Susceptibility: Correspondence

Rujittika Mungmunpantipantip¹ · Viroj Wiwanitkit²

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Dear Editor, we would like to comment on the publication “Relation Between Methylenetetrahydrofolate Reductase Polymorphisms (C677T and A1298C) and Migraine Susceptibility [1]”. Rai and Kumar concluded that “*Results of present meta-analysis indicate overall association between MTHFR C677T polymorphism with migrainenot show any association with Caucasian population and MO cases [1]*”. This meta-analysis is interesting and can give a clue of clinical association of the studied polymorphisms. However, for a meta-analysis, it is usually hard to control confounding factors. It cannot control the confounding factor in each recruited study. An important concern is effect of other confounding genetic polymorphisms that might affect migraine susceptibility. Examples of those polymorphisms are PRDM16, LRP1 and TRPM8 and TNFalpha gene polymorphism [2, 3]. The pattern of those polymorphisms might be different in different setting of recruited reports in the meta-analysis. This might be an explanation on the observation on heterogenous association in the present report.

Declarations

Conflict of interest The authors declare that they have no conflict of interest.

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✉ Rujittika Mungmunpantipantip
rujittika@gmail.com

¹ Private Academic Consultant, Bangkok 101102, Thailand

² Dr DY Patil University, Pune, India