Reviewer’s report

Title: Angiotensin-converting enzyme gene insertion/deletion polymorphism in migraine patients

Version: 2 Date: 23 November 2007

Reviewer: Innocenzo RAINERO

Reviewer’s report:

The main purpose of this study was to evaluate allelic and genotypic frequencies of the ACE I/D polymorphism in a large data set of migraine patients and controls. In addition, the authors evaluated if this polymorphism influences the clinical response to candesartan or lisinopril used as antimigraine prophylactic agents. No significant difference between cases and control in ACE I/D polymorphisms was found and, in addition, no influence in the response to prophylactic therapy was demonstrated.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

The purpose of the study is interesting and the manuscript is well written. I have only some minor observations

1. in genetic association studies there is now a consensus to set the limit of statistical significance at p<0.01 (see Bird et al. – Neurology 2001;57:1153-1154).
2. the mean age of the controls was significantly higher than patients. The authors may discuss the difference and possible influence on the results

What next?: Accept after discretionary revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable
**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I have no competing interests' below