Reviewer's report

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

Version: 2 Date: 15 November 2007

Reviewer: Lyn Griffiths

Reviewer's report:

General
None

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)
None

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

This is a well written study that investigated the possibility that ACE genotype plays a role in migraine susceptibility and also that migraine response to ACE related treatments may relate to ACE genotype. Although there have been a number of studies investigating the role of ACE in migraine risk, results have been contradictory and there have been few studies investigating the effects of ACE related treatments in migraine and none that consider genotype in relation to response. Thus although the results were negative, the study adds relevant migraine related information to the literature.

The manuscript is well written with results clearly analysed and outlined. There are minor grammatical errors including below but it is overall well written.

pg4. "the ACE genotype as a possible risk factor for migraine..."

pg8. 'Our material was the largest' - define material, - our population, DNA samples etc

pg8. "..by Patena et al. Neither did we..." - the last sentence should be rephrased to "Our study also did not find a relationship..."

I have a few concerns with the grouping of the response to both drugs in Table 1. It is clear that there is no difference in response to Lisinopril but even though the numbers are really very small there appears to be a difference in the response to Candesartan. I believe these results should be looked at separately and the results discussed.
Discretionary Revisions (which the author can choose to ignore)
None

What next?: Accept after minor essential 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 declare that I have no competing interests.