Reviewer's report

Title: Epigenetic mechanisms in migraine: a promising avenue?

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Reviewer: Rod A Lea

Reviewer's report:

This is a short review article which aims to justify the importance for future studies of epigenetic mechanisms in migraine. This topic is timely given the recent advances in the technologies available for epigenetic screen and the findings emerging in terms of complex diseases. Overall, the manuscript is interesting, well written and covers most of the relevant points in terms migraine

Major Compulsory Revision

In terms of the section "Epigenetics in Co-morbidity of Migraine". This section is limited to depression, which is certainly not the only recognised co-morbid condition for migraine. This section needs to be expanded to include pertinent information on other co-morbidities especially "ischaemic stroke".

Minor Essential Comments

There should be at least some mention of the state of the art in molecular technologies currently available for surveying the epigenome and perhaps mention that many researchers currently have large DNA-banks of migraineurs which would be amenable to epigenomic screening.

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.