Reviewer’s report

Title: Angiotensin-converting enzyme gene insertion/deletion polymorphism and susceptibility to psoriasis: A systematic review and meta-analysis

Version: 0 Date: 04 Nov 2019

Reviewer: B. Azzouz

Reviewer's report:

Dear Author,

The topic is interesting and the manuscript is well written.

Some points must be corrected:

- Abstract, line 32: According to Figure 2, OR for ID vs II model is 0.81 [95%CI: 0.72, 0.91; p: 0.0003] (instead of 0.78 [95%CI: 0.62, 0.91; p: 0.00003])

- Background, line 47: [10] --&gt; please use a recent reference dealing with "ACE inhibitors" and "psoriasis risk", this one for example : DOI: 10.1007/s40264-019-00865-8

- Results, "study characteristics" paragraph: According to Figure 2 the OR for ID vs II model is 0.81 [95%CI: 0.72, 0.91; p: 0.0003] (instead of 0.78 [95%CI: 0.62, 0.91; p: 0.00003])

- Results, "subgroup analysis" paragraph --&gt; herein, some clarification is needed

Table II "the presence of genotype ID had a slight protective effect against the disease [OR = 0.82; 95%CI: 0.69, 0.97]" --&gt; this refers only to "Causasians"?

Table II "based on three models of DD versus II, ID versus II and ID+DD versus II the pooled OR was 0.69 (95%CI: 0.52, 0.91), 0.66 (95%CI: 0.50, 0.85) and 0.67 (95%CI: 0.52, 0.86)" --&gt; these results concern only the "Psoriatic arthritis subtype"?

Table II, "with regard to Caucasian population", the following ROR value "0.73 (95%CI: 0.58, 0.92) refers to "Iraqi, Pakistani and Turkish patients"?

- Results, "quality assessment": "In detail, ten studies had high quality (score &gt;7)" --&gt; According to Table I, i count eight studies!

Kind regards,
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.
I declare that I have no competing interests.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal.