Reviewer's report

Title: RIPK1 Polymorphisms Alter the Susceptibility to Cervical Cancer among the Uyghur population in China

Version: 0 Date: 04 Dec 2019

Reviewer: Khawla Al-Kuraya

Reviewer's report:

In the study titled "RIPK1 polymorphisms alter the susceptibility to cervical cancer among the Uyghur population in China" was aimed to evaluate the relationship between RIPK1 polymorphisms and cervical cancer risk among the Uyghur population. The authors performed a case control study and genotyped five RIPK1 genetic variants. They concluded that RIPK1 polymorphisms are associated with cervical cancer susceptibility among the Uyghur population in China and may be involved in the development of cervical cancer. The study as whole is conducted in a good way and is recommended to be accepted for publishing after making the following major revisions:

Major Compulsory Revisions

1. There are plenty of errors related to structures of sentences and grammar. It is therefore suggested to take help from an English language expert to enhance the manuscript language.

2. Authors have to create haplotype and do the association between different haplotypes and risk. The different SNPs on same haplotype contribute to the development of cancer together.

3. For SNPs which show different association with cervical cancer risk in different subgroups, authors should explain/discuss why those SNPs showed different association.

4. Discussion is too simple. Authors should discuss the functional alteration of each SNP. Especially for those associated with different risk to develop cervical cancer.

5. Authors should survey the literature to compare their results with results from other studies.

Minor Essential Revisions

1. Abstract line 31; "R" in "Rs6907943" should be in small caps.

2. The gene name should be in italics throughout the manuscript.
3. Frequency of alleles and genotypes should be gathered for table 3, 4 and 5.

4. Results para 3, line 44; "rs6907943" should be changed with "rs3736724" refer to Table 5.

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:

Needs some language corrections before being published

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.