Reviewer’s report

Title: Correlation between Interleukin-17 Gene Polymorphism and Osteoarthritis Susceptibility in Han Chinese Population

Version: 0 Date: 30 Sep 2018

Reviewer: Florin Burada

Reviewer's report:

The manuscript „Correlation between Interleukin-17 Gene Polymorphism and Osteoarthritis Susceptibility in Han Chinese Population” examines the association of two IL-17 gene SNPs in a Chinese population.

Abstract. Purpose. The second phrase should be rewritten and the investigated SNPs should be included. Also, the same corrections should be done in the last sentence of Introduction.

Materials and Methods. Please include dominant and recessive models Please specify which test was used for linkage disequilibrium. The results should be presented.

Results. The phrases that include the frequency of genotypes should be removed (page 6 - rows 2-5, 22-30). The data is already shown in the Table 2. The relationship between IL-17 genotypes and serum levels should be presented.

Discussion. A subsection about other studies that investigated IL-17 SNPs should be included. The entire manuscript should benefit from a careful evaluation for spelling and grammar checkers (e.g. a single format for investigated gene should be used - IL-17 or IL17).

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

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