



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 33755

**Title:** Interleukin-18 polymorphism as an inflammatory index in metabolic syndrome: A preliminary study

**Reviewer's code:** 03460306

**Reviewer's country:** Japan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-03-02

**Date reviewed:** 2017-03-04

| CLASSIFICATION                                    | LANGUAGE EVALUATION  | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|---|--|--|--|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing                | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input type="checkbox"/> Grade B: Very good       | <input type="checkbox"/> Grade B: Minor language polishing           | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good            | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade D: Rejected                           | <input type="checkbox"/> Plagiarism            | <input checked="" type="checkbox"/> Minor revision     |
| <input checked="" type="checkbox"/> Grade E: Poor |  | [Y] No   | <input type="checkbox"/> Major revision                |
|   |  | BPG Search:                                    |  |
|   |  | <input type="checkbox"/> The same title        |  |
|   |  | <input type="checkbox"/> Duplicate publication |  |
|   |  | <input type="checkbox"/> Plagiarism            |  |
|   |  | [Y] No   |  |

**COMMENTS TO AUTHORS**

This study examined the association between IL-18 polymorphisms, serum IL-18 levels and metabolic syndrome. There are several critiques to be addressed. 1. Estimates of sample size is not clear. This should be clearly described. 2. The word "polymorphisms" should be included in the title as well as the short title. 3. If this is a preliminary study, the word "a preliminary study" should be added to the title. 4. In terms of metabolic syndrome, the waist circumference is more important than BMI. The waist circumference or waist to hip ratio should be assessed in the study. The word "WHR" in the manuscript means waist to hip ratio? 5. I could not find Discussion section. Discussion is needed as the style of article. 6. Having the strong correlation between IL-18 levels and BMI, the association between IL-18 polymorphisms and IL-18 levels should be assessed after adjustment for BMI. 7. References regarding IL-18 -607 C/A polymorphisms should be cited in Introduction. 8. Type-II diabetes should be corrected to type 2 diabetes.



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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 33755

**Title:** Interleukin-18 polymorphism as an inflammatory index in metabolic syndrome: A preliminary study

**Reviewer's code:** 00233953

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-03-02

**Date reviewed:** 2017-03-05

| CLASSIFICATION   | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|--|---|--|--|
| <input type="checkbox"/> Grade A: Excellent            | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input checked="" type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good                 | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade D: Rejected                            | <input checked="" type="checkbox"/> No         | <input checked="" type="checkbox"/> Minor revision     |
| <input type="checkbox"/> Grade E: Poor                 |   | BPG Search:                                    | <input type="checkbox"/> Major revision                |
|  |   | <input type="checkbox"/> The same title        |  |
|  |   | <input type="checkbox"/> Duplicate publication |  |
|  |   | <input type="checkbox"/> Plagiarism            |  |
|  |   | <input checked="" type="checkbox"/> No         |  |

### COMMENTS TO AUTHORS

there are no specific comments

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 33755

**Title:** Interleukin-18 polymorphism as an inflammatory index in metabolic syndrome: A preliminary study

**Reviewer's code:** 02946445

**Reviewer's country:** Turkey

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-03-02

**Date reviewed:** 2017-03-05

| CLASSIFICATION   | LANGUAGE EVALUATION  | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|--|--|--|--|
| <input type="checkbox"/> Grade A: Excellent            | <input checked="" type="checkbox"/> Grade A: Priority publishing     | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input checked="" type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing           | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good                 | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade D: Rejected                           | <input checked="" type="checkbox"/> No         | <input checked="" type="checkbox"/> Minor revision     |
| <input type="checkbox"/> Grade E: Poor                 |  | BPG Search:                                    | <input type="checkbox"/> Major revision                |
|  |  | <input type="checkbox"/> The same title        |  |
|  |  | <input type="checkbox"/> Duplicate publication |  |
|  |  | <input type="checkbox"/> Plagiarism            |  |
|  |  | <input checked="" type="checkbox"/> No         |  |

### COMMENTS TO AUTHORS

Such cytokines (particularly IL-1 $\beta$  and IL-18) are the caspase-1 dependent cytokines possibly play a causal role in inflammation-induced obesity and insulin resistance. This inflammation-based pathway is established on the inflammasome. In here, I mean that there are lots of molecular evidence in the relation between IL-18 and obesity (and other cardiometabolic conditions). The findings of the present study except polymorphism are already known, as I mentioned above there are many stronger evidence about the pathogenesis. I think polymorphism is the promising novelty and it needs to focus on. There is a need for more data for polymorphism. In this regard, polymorphism is what makes this work worthy for publication. But there is no polymorphism at title of the article. This is the big failure. After all, I strongly recommend to highlight the polymorphism both in the introduction and discussion section and to redesign the main title. The present literature data about the polymorphism must be informed in more detail in the introduction section, and study findings must be discussed more in the



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discussion section.



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 33755

**Title:** Interleukin-18 polymorphism as an inflammatory index in metabolic syndrome: A preliminary study

**Reviewer's code:** 01805500

**Reviewer's country:** Italy

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-03-02

**Date reviewed:** 2017-03-07

| CLASSIFICATION                                    | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|---|---|--|--|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input type="checkbox"/> Grade B: Very good       | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade D: Rejected                            | <input checked="" type="checkbox"/> No         | <input checked="" type="checkbox"/> Minor revision     |
| <input type="checkbox"/> Grade E: Poor            |   | BPG Search:                                    | <input type="checkbox"/> Major revision                |
|   |   | <input type="checkbox"/> The same title        |  |
|   |   | <input type="checkbox"/> Duplicate publication |  |
|   |   | <input type="checkbox"/> Plagiarism            |  |
|   |   | <input checked="" type="checkbox"/> No         |  |

**COMMENTS TO AUTHORS**

Authors should emphasise that also IL-17 has been studied as link between obesity and CV risk, evaluated as IMT. A limitation is not having studied NAFLD also with a simple and largely available method, i.e., US. References 7 and 21 are the same.



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## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 33755

**Title:** Interleukin-18 polymorphism as an inflammatory index in metabolic syndrome: A preliminary study

**Reviewer's code:** 02573214

**Reviewer's country:** Italy

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-03-02

**Date reviewed:** 2017-03-15

| CLASSIFICATION                                   | LANGUAGE EVALUATION  | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|--|--|--|--|
| <input type="checkbox"/> Grade A: Excellent      | <input type="checkbox"/> Grade A: Priority publishing                | Google Search:                                 | <input type="checkbox"/> [ Y] Accept                       |
| <input type="checkbox"/> [ Y] Grade B: Very good | <input type="checkbox"/> [ Y] Grade B: Minor language polishing      | <input type="checkbox"/> The same title        | <input type="checkbox"/> [ ] High priority for publication |
| <input type="checkbox"/> Grade C: Good           | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> [ ] Rejection                     |
| <input type="checkbox"/> Grade D: Fair           | <input type="checkbox"/> Grade D: Rejected                           | <input type="checkbox"/> Plagiarism            | <input type="checkbox"/> [ ] Minor revision                |
| <input type="checkbox"/> Grade E: Poor           |  | [Y] No   | <input type="checkbox"/> [ ] Major revision                |
|  |  | BPG Search:                                    |  |
|  |  | <input type="checkbox"/> The same title        |  |
|  |  | <input type="checkbox"/> Duplicate publication |  |
|  |  | <input type="checkbox"/> Plagiarism            |  |
|  |  | [Y] No   |  |

### COMMENTS TO AUTHORS

Preliminary Results of this work are very interesting.