



**ESPS PEER-REVIEW REPORT**

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

**ESPS manuscript NO:** 14938

**Title:** Impact of gene-gene, gene-environment and gene-nutrient interactions on determining the role of single nucleotide polymorphism of inflammatory cytokines in pathogenesis of type 2 diabetes mellitus

**Reviewer's code:** 00038192

**Reviewer's country:** Germany

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-11-01 09:47

**Date reviewed:** 2014-12-01 16:58

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

**COMMENTS TO AUTHORS**

Please shortly explain why the review article focuses on IL-6, TNF- $\alpha$ , resistin and adiponectin Please replace the term hepatoglobulin by a more common term. Please indicate that it is type 2 DM ("diabetes mellitus (DM)") and use T2DM instead of DM. "This single nucleotide polymorphism (SNP)" should be "these single nucleotide polymorphisms" "to influence the cytokines at translational level" should be "to alter transcription / translation of cytokines". "IL-6 -174 G/C SNP is in promoter region (-173 to -145) that contain" contains "S. resistin" please explain S. ?specially" please correct A table listing the cited studies including number of patients enrolled in the respective studies should be added.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 14938

**Title:** Impact of gene-gene, gene-environment and gene-nutrient interactions on determining the role of single nucleotide polymorphism of inflammatory cytokines in pathogenesis of type 2 diabetes mellitus

**Reviewer's code:** 00631884

**Reviewer's country:** Brazil

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-11-01 09:47

**Date reviewed:** 2014-11-06 19:29

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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"/> Duplicate publication	
<input checked="" type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input checked="" 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

The article deals with an important issue for understanding the manifestation of type 2 diabetes mellitus, however it presents some weaknesses. There is no title or legend in Table 1. The text presents a lack of references even when citing results, as in the following passage: "Variable results regarding association of cytokines SNPs with T2DM in different ethnic groups have been reported in international studies. Even different studies in the same ethnic group have also reported varying results. This variation is also found in association of cytokines SNPs with serum levels of respective cytokines, insulin resistance, serum insulin, lipid profile and BMI. Gene-gene interaction is an established fact and a few studies have reported this factor as a contributing one in inter-ethnic variations in various parameters." The article should be revised.



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

**ESPS manuscript NO:** 14938

**Title:** Impact of gene-gene, gene-environment and gene-nutrient interactions on determining the role of single nucleotide polymorphism of inflammatory cytokines in pathogenesis of type 2 diabetes mellitus

**Reviewer’s code:** 00646289

**Reviewer’s country:** Turkey

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-11-01 09:47

**Date reviewed:** 2014-12-13 11:41

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

**COMMENTS TO AUTHORS**

This article focuses on the effects of gene-gene, gene-environment, and gene-nutrient interactions on single nucleotide polymorphisms in proinflammatory cytokine-coding genes in T2DM development. Investigation of single nucleotide polymorphisms and the factors that influence their effects is significant in terms of understanding disease development better, and identification, as well as awareness of risk haplotypes for susceptibility. Thus the paper points out to an important issue, and generally reviews the related studies well, yet there are some points that need to be improved: - The language of the manuscript needs revising. I have highlighted some corrections on the text, yet it has to be overviewed overall. - Some statements that should have been referenced are left without references. - Some abbreviations are confusing, like “S.”. I believe it refers to “serum”, but it should not be used as such. - It may be defined as a “mini-review”.