



**Baishideng
Publishing
Group**

7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
https:// www.wjgnet.com

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 38909

Title: Association of TCF7 Y and Atypical Diabetes in Uruguayan population

Reviewer's code: 01919991

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-03

Date reviewed: 2018-05-07

Review time: 3 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript by Beloso and colleagues investigates the association of TCF7L2 and Atypical Diabetes in Uruguayan population. They take in account two intronic SNPs, namely rs12255372 and rs7903146. The authors stratified a population of 177 Uruguayan diabetic subjects into Classical diabetes and Atypical diabetes and only the former was

associated with a difference in rs12255372 vs controls. This genotypic difference among the diabetic population is suggested as a further evidence about the need to define a precise category – the atypical diabetics – within the vast population of diabetic subjects. To improve the priority of the manuscript the authors are invited to extend the perspective section where they can stress on the potential clinical impact and translational effect of their results in terms of diagnostic, prognostic and/or therapeutic benefit in the clinical arena. The authors are exhorted to justify the choice of a control group which does not match in age with the diabetic group. In addition, the median values of body mass index of the control group is $> 25\text{Kg/m}^2$. Can the authors exclude the presence of any diabetic subject within the control group in the absence of other information but the age and negativity to infections? In M&M section the authors claimed to express data as mean and SD, however in table 1 is reported that data indicate median values. Please clarify this point.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 38909

Title: Association of TCF7 and Atypical Diabetes in Uruguayan population

Reviewer's code: 03564429

Reviewer's country: Saudi Arabia

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-03

Date reviewed: 2018-05-11

Review time: 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

English must be improved . There is need of additional methodological description about laboratory procedure. Unit of biochemical parameters must be check. other comments are in the manuscript

INITIAL REVIEW OF THE MANUSCRIPT

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BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 38909

Title: Association of TCF7 and Atypical Diabetes in Uruguayan population

Reviewer's code: 00506276

Reviewer's country: Poland

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-03

Date reviewed: 2018-05-11

Review time: 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The aim of this study was to examine the relationship between 2 SNPs of the TCFL2 encoding gene and diabetes mellitus. The study group included 177 T2DM patients and 133 control subjects. One of the SNPs was associated with the prevalence of T2DM. The results are discussed in the context of other studies on this topic. The findings are of

interest and the manuscript is overall well-written. Nevertheless, there are some concerns to be addressed. 1) The paper requires some grammar revision. 2) The "atypical" diabetes should be defined more precisely in the Introduction. Authors refer to their previous studies but the more clear definition of atypical DM should be presented. 3) Page 8, the sentence "Many of these genes are active in beta cells..."; it is unclear what genes are mentioned. 4) The section about genotyping: primer sequence should be presented. 5) Page 11: the conclusion about Asian ancestors is very speculative. 6) Table 1: the level of statistical significance should be shown. 7) As BMI significantly differed between DM and control groups, it could be suggested that the respective SNP predisposes to obesity rather than diabetes. It would be of interest to include non-diabetic obese group for comparison.

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BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 38909

Title: Association of TCF7 and Atypical Diabetes in Uruguayan population

Reviewer's code: 02446567

Reviewer's country: Egypt

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-03

Date reviewed: 2018-05-13

Review time: 10 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
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		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This study aimed to investigate if TCF7L2 provides new information for the "atypical diabetes" in Uruguayan population. The result revealed that by genotyping of SNPs_TCF7L2 in a diabetes population there were statistical different between classical and atypical patients. I recommend accepting the manuscript after checking of

grammar and spelling in the attached manuscript.

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BPG Search:

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- ☐ Plagiarism
- ☐ No