

PEER-REVIEW REPORT

Name of journal: World Journal of Nephrology

Manuscript NO: 42343

Title: Associations of Renal Function with Diabetic Retinopathy and Visual Impairment in Type 2 Diabetes: A Multicenter Nationwide Cross-Sectional Study

Reviewer's code: 02946445

Reviewer's country: Turkey

Science editor: Ying Dou

Date sent for review: 2018-10-11

Date reviewed: 2018-10-16

Review time: 5 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
<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 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

- In introduction section, 3th paragraph: Please relocate "GFR" abbreviation where was mentioned firstly (2nd paragraph). - In materials and methods section, study design and population subsection, first paragraph, first sentence: In here, I think, you have given

incorrect reference as 14. In reference 14, there is a irrelevant correspondence article. Please correct this. - In result section, “baseline characteristics” subsection: You has found that finding “Lower GFR was additionally associated with lower smoking rates, waist circumference and medication use of metformin and sulfonylureas”, I wonder that why were an association with smoking and waist circumference? Have you wondered about it? You haven't discussed this topics in the discussion section. Could you address these issues if they can be supported by the literature. I think, the findings about the metformin and sulfonylureas using may be correlated with discontinuation the medication as age progresses or due to detected renal impairment. - In materials and methods section, data collection subsection: What about the eye examination techniques by the ophthalmologist? Were there any data about techniques? clinical funduscopy? or advanced techniques after funduscopy? I mean that if the ophthalmologists didn't perform or was not able to perform advanced techniques, the study results couldn't be reliable. If such a situation has occurred, most patients may be unnoticed. Are there any detailed data in the case record form? or are there only diagnose information as a result of the examination? Please resolve this confusion. As can be seen in the first paragraph of the discussion section of the study that you have realized this circumstance, however you did not state your eye examination data techniques in “discussion section”. I recommend to add this important issue on the “materials and methods” section and to discuss it in the “discussion” section. If there are no qualifiable and adequate data about it, you may give it as a limitation. In spite of you've given it in the limitation section, please consider all of my those approach and suggestions. If you think that you discussed this argument adequately in the limitation section, please just add eye examination techniques and recording data ways in the “materials and methods” section. - In discussion section, “the association between GFR and DR, severe DR and severe visual impairment” subsection: What did you mean with “Contrarily, prior studies that



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report the converse outcome were conducted in participants of non-Asian ethnicity". What is the meaning of "converse outcome". As you stated end of the paragraph that how are you against the possibility of ethnic differences? How did you get this? Could you explain more understandable. It seems as if there is a ambiguity, isn't there? - In discussion section, "the association between GFR and DR, severe DR and severe visual impairment" subsection, 2nd paragraph: I guess, you've given inaccurate reference by 38. In 38th reference, there is no data among CKD, diabetes and AGEs. Please correct it. - It has been suitable that you've mentioned about lack of the "urine albumine" data in the limitation section. Thank you. It is very important.

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 Nephrology

Manuscript NO: 42343

Title: Associations of Renal Function with Diabetic Retinopathy and Visual Impairment in Type 2 Diabetes: A Multicenter Nationwide Cross-Sectional Study

Reviewer's code: 00503179

Reviewer's country: Denmark

Science editor: Ying Dou

Date sent for review: 2018-10-07

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Review time: 11 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper is well written, and the topic is relevant. The patient group is type-2 diabetes, and the authors analyzed the relationship between renal function on the one hand and diabetic retinopathy and visual disturbances on the other. Many studies are available



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regarding this relationship in type-1 diabetes. The present study document a relationship also in type 2 diabetes. The main message is that decreased GFR in type-2 diabetes is associated with diabetic nephropathy and severe visual disturbances. The group of patient is very large, 13192 patients. The measurements are relatively simple, but the results are important, and the statistical analyzes are adequate. The presentation is satisfactory, and the tables are informative, although, in the tables, it should be indicated that the values I brackets are percentages, thus the reader does not need to guess. The conclusions are correct, and the discussion balanced with relevant emphasis on strengths and weakness' in the study

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

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