

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 58342

Title: Endothelin receptor antagonists for the treatment of diabetic nephropathy: A meta-analysis and systematic review

Reviewer's code: 00503195

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Associate Professor, Professor

Reviewer's Country/Territory: Greece

Author's Country/Territory: China

Manuscript submission date: 2020-07-18

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-07-22 16:52

Reviewer performed review: 2020-07-23 10:58

Review time: 18 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgooffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

The submitted metanalysis deals with the interesting topic of new therapeutic interventions against diabetic nephropathy. The authors followed a right methodology and described their findings in a well-written and compact manuscript. The study provides several interesting results with some of them, such as the effect of ETA-R blockers dose of eGFR, being new, and suggest the need for further RCTs. For all these reasons, I suggest accepting the manuscript as is.

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 58342

Title: Endothelin receptor antagonists for the treatment of diabetic nephropathy: A meta-analysis and systematic review

Reviewer's code: 00597793

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-07-18

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-07-24 01:20

Reviewer performed review: 2020-07-25 16:49

Review time: 1 Day and 15 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

This appears to be a well done meta analysis. **ABSTRACT** - Conclusion - The ER reduce albuminuria but not eGFR. Do not say that they reduced renal function decline. You can remove the first 2 sentences of the **INTRO**. Start with "Studies show.." In the 2nd paragraph of **INTRO** remove "sufficient" **METHODS** - "...with $P < 0.1$ and $I^2 > 50\%$ indicated existing statistically significance[13]" Not clear as written **RESULTS** - Study Quality - substitute "good" for "great" **DISCUSSION** - 1st paragraph- "Thus, ER antagonists largely prevent the development of proteinuria, renal vasoconstriction, renal hypertrophy, and structural injury[18-21]." You show no evidence for preventing vasoconstriction, renal hypertrophy and injury. All you demonstrate is lower albuminuria. **DISCUSSION** - "Nevertheless, ER antagonists will be confronted by formidable competitors, for instance, inhibitors of glucagon-like peptide-1 receptor antagonists and sodium-glucose co-transporter 2 (SGLT2), " jut because SGLT protect the kidneys does not preclude use of ET blockers. Rewrite. **CONCLUSION** - ET blockers prevent proteinuria not eGFR decline

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 58342

Title: Endothelin receptor antagonists for the treatment of diabetic nephropathy: A meta-analysis and systematic review

Reviewer's code: 03490863

Position: Peer Reviewer

Academic degree: DSc, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2020-07-18

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2020-07-22 04:45

Reviewer performed review: 2020-07-26 08:17

Review time: 4 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This systematic review and meta-analysis concentrates on the efficacy and safety of endothelin receptor blockers in diabetic kidney disease. This is an interesting and current topic. The meta-analysis was performed at high methodological level; the research methodology is described in details. From my point of view, the manuscript can be published after some major revisions. 1. The title: I recommend replacing "antagonist" with "antagonists", as this is not a single drug. 2. Materials and methods: When describing studies included in the meta-analysis, it is useful to highlight the differences in their design, primary and secondary endpoints. 3. Results. It would be great to present the dynamics of clinically significant parameters, such as albuminuria, eGFR, and blood pressure, not only in the form of statistical differences between the group, but also in absolute numbers (if it's possible). 4. Discussion. It should be emphasized that the SONAR study was the largest one in terms of the number of participants and duration of follow-up. Specific details of the SONAR study design, such as assessment of antialbuminuric response before randomization, should be indicated. A premature termination of the Mann `s study with avosentan due to excess of cardiovascular events also need to mention. It is advisable to briefly discuss the possible mechanisms of the side effects, such as fluid retention, anemia and hypoglycemia. 5. The conclusion, in my opinion, could have been more cautious. It should be specified that the renal protective effect of the endothelin receptor antagonists was demonstrated in patients with a combination of elevated albuminuria and decreased eGFR only. It is advisable to identify tasks for future research, based on the results of the study. The ongoing trials in this area are also worth mentioning.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Diabetes

Manuscript NO: 58342

Title: Endothelin receptor antagonists for the treatment of diabetic nephropathy: A meta-analysis and systematic review

Reviewer's code: 03490863

Position: Peer Reviewer

Academic degree: DSc, MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2020-07-18

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2020-08-24 05:12

Reviewer performed review: 2020-09-21 03:58

Review time: 27 Days and 22 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors finalized the article in accordance with the recommendations of the reviewers. I believe that the article can be published in its current form.