

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 66148

Title: Long-term effects of metformin use in gestational diabetes mellitus on offspring health

Reviewer's code: 00742373

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2021-03-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-11 10:36

Reviewer performed review: 2021-04-17 03:52

Review time: 5 Days and 17 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 Grade E: Do not publish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
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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SPECIFIC COMMENTS TO AUTHORS

The manuscript titled “long-term effects of metformin use in gestational diabetes mellitus on offspring health” discussed the use of metformin treatment during pregnancy with gestational diabetes mellitus (GDM). Specifically, it pointed out that several cohort and meta-analysis studies concluded that metformin treatment during pregnancy results in an increased fetal body weight, increased late weight gain, and increased triglyceride level compared with insulin group. Although metformin is the first-line drug for treatment of type 2 diabetes mellitus and recent evidence suggests certain beneficial effect in the treatment of GDM, since metformin crosses placenta and attends a significant level in fetus and the evidence of adverse anthropometric profile. The author concluded that diligent follow-up of the metformin-exposed offspring are warranted from clinician’s point of view. Gestational diabetes mellitus is common. The treatment during pregnancy is important because it not only related to the controlling of the mother’s diabetes, but also need to recognize the influence to the fetal development, growth, and long-term outcome. This manuscript picked a very important topic of drug choice for gestational diabetes. Reviewer agree the conclusion of the manuscript that more studies, especially basic studies are needed for metformin use in the treatment of GDM.

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 66148

Title: Long-term effects of metformin use in gestational diabetes mellitus on offspring health

Reviewer's code: 02942666

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: India

Manuscript submission date: 2021-03-21

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-09 04:42

Reviewer performed review: 2021-04-22 07:24

Review time: 13 Days and 2 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

1. authors should add few lines about mechanism of action of metformin in introduction section.\ 2. despite of its controversial role in pregnancy its proposed rationale of use in Gestational obesity, gestational diabetes and pregnancy with PCOS. 3. Authors should discuss its long term effects with relevance to gestational obesity, gestational diabetes and pregnancy with PCOS which will improve impact of this editorial. 4. background of this editorial needs further improvement