

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 86551

Title: Establishment and evaluation of a risk prediction model for gestational diabetes mellitus

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06058907

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Research Associate

Reviewer's Country/Territory: Egypt

Author's Country/Territory: China

Manuscript submission date: 2023-08-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-03 08:30

Reviewer performed review: 2023-08-15 08:05

Review time: 11 Days and 23 Hours

Scientific quality	☐ Grade A: Excellent ☒ Grade B: Very good ☐ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Novelty of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No novelty
Creativity or innovation of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No scientific significance
Language quality	☐ Grade A: Priority publishing ☒ Grade B: Minor language polishing ☐ Grade C: A great deal of language polishing ☐ Grade D: Rejection
Conclusion	☐ Accept (High priority) ☒ Accept (General priority) ☐ Minor revision ☐ Major revision ☐ Rejection
Re-review	☐ Yes ☒ No
Peer-reviewer statements	Peer-Review: ☒ Anonymous ☐ Onymous
	Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

This is a concise and thorough study, which would provide an essential reference for researchers in this field and the results are interesting and could be useful for other studies. In addition, the manuscript also introduces the limitations of the research and the direction of follow-up research. I really thank for this well-designed study because it presents a detailed description of optimal analysis, discussion, tabulation and graphic display of data. I have no further comments and recommend it to be published in this journal.

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Manuscript NO: 86551

Title: Establishment and evaluation of a risk prediction model for gestational diabetes mellitus

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Peer-review model: Single blind

Reviewer's code: 06520398

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor, Doctor

Reviewer's Country/Territory: Germany

Author's Country/Territory: China

Manuscript submission date: 2023-08-01

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-02 08:44

Reviewer performed review: 2023-08-15 09:33

Review time: 13 Days

Scientific quality	☐ Grade A: Excellent ☐ Grade B: Very good ☒ Grade C: Good ☐ Grade D: Fair ☐ Grade E: Do not publish
Novelty of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No novelty
Creativity or innovation of this manuscript	☐ Grade A: Excellent ☒ Grade B: Good ☐ Grade C: Fair ☐ Grade D: No creativity or innovation

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Peer-reviewer statements	Peer-Review: ☒ Anonymous ☐ Onymous
	Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

This is a nice retrospective study on prediction model for gestational diabetes mellitus. Early prediction of GDM can result in timely interventions in patients and improve pregnancy outcomes. So in this study, authors examined various risk factors associated with GDM and established and compared two prediction models: the nomogram model and the random forest model. They found that the random forest model is superior to the nomogram model in predicting the risk of GDM, and can accurately assess the risk of pregnancy-related diabetes. The topic of this work is interesting. In general, the article is helpful for early diagnosis and appropriate intervention of diabetic pregnancy and the results are interesting and could be useful for other studies. Editing and proofreading are needed to maintain the best sense of reading. Thank you very much for giving me this opportunity to review. I have really appreciated the discussion section.