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JOURNAL EDITORIAL BOARD'S REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 111309

Title: Advances in gestational diabetes mellitus screening: Emerging trends and future directions

Journal Editor-in-Chief/Associate Editor/Editorial Board Member: Michael Horowitz

Country/Territory: Australia

Editorial Director: Jia-Ping Yan

Date accepted review: 2025-08-18 05:50

Date reviewed: 2025-08-18 05:51

Review time: 1 Hour

Scientific quality	B
Language quality	B
Conclusion	Sent back to Editorial Office for Further Review

JOURNAL EDITORIAL BOARD COMMENTS TO AUTHORS

The manuscript should be reassessed by the two reviewers

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Name of journal: World Journal of Diabetes

Manuscript NO: 111309

Title: Advances in gestational diabetes mellitus screening: Emerging trends and future directions

Journal Editor-in-Chief/Associate Editor/Editorial Board Member: Wen-Qian Huo

Country/Territory: China

Editorial Director: Jia-Ping Yan

Date accepted review: 2025-08-19 07:10

Date reviewed: 2025-08-19 10:08

Review time: 2 Hours

Content to be reviewed	Is/Are the Peer-Review Report/s adequate and effective? **Yes** Does the manuscript's content fall within the scope of the journal? **Yes** Is there any Key Word that is not included in the manuscript title? **Yes** Do authors' affiliations correspond to the content of the manuscript? **Yes** Are the Key Words complete? **Yes** Does the Abstract contain the contents of each part of the manuscript (IMRaD)? **Yes** Is the content of the Introduction adequate? **Yes** Is the content of the Materials and Methods complete? **Not Applicable** Is the description of the experiments clear and

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	complete? **Not Applicable** Are the experimental data presented in the manuscript's biostatistics content reliable? **Not Applicable** Are the experimental data of the Results true and reliable? **Not Applicable** Are the quality and resolution of the images up to standard? **Yes** Do the selection and design of the figures and tables follow the principles of necessity and clarity? **Yes** Is there any duplication between various parts of the manuscript and between the main text and the content presented in the figures and tables? **No** Are the figures and tables numbered consecutively in the order in which they appear in the manuscript? **Yes** Is the content of the Discussion reasonable? **Yes** Is the Conclusion reasonable? **Yes** Are all references necessary and reasonable? **Yes** Do authors omit important references? **No** Are all references related to the topic of the manuscript? **Yes** Do authors only cite their own earlier publications? **No** Did the peer reviewers recommend authors to cite references extensively? **No** Does the research scope comply with ethics? **Yes** Is the manuscript's text correct, concise, and clear? **Yes** Is the content of the manuscript novel and important? **Yes** Will the content of the manuscript attract the attention of readers? **Yes**

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Scientific quality	A
Language quality	A
Conclusion	Sent back to Editorial Office for Further Review

JOURNAL EDITORIAL BOARD COMMENTS TO AUTHORS

The comments provided by the two reviewers are thoughtful and perceptive. The revised manuscript has adequately addressed the majority of the reviewers' concerns. This manuscript holds broad relevance to the medical field and presents general significance. The topic, which focuses on advancements in gestational diabetes mellitus (GDM) screening—incorporating machine learning (ML) approaches and biomarkers for GDM prediction—demonstrates high scientific quality and novelty. One point requires further reconsideration. A reviewer advised the authors to discuss the performance of biomarkers and ML models across heterogeneous populations (e.g., Asian, Caucasian, and African cohorts). Nevertheless, the authors' revision remains insufficient. Although they incorporated a single study investigating the prediction of postpartum diabetes in South Asian women with GDM utilizing ML methodologies, they did not furnish a comparative analysis of ML model performance across distinct populations. This needs further revision. So, I think a minor revision should be accomplished to purify this manuscript.