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| Journal Name: | [**Asian Journal of Advanced Research and Reports**](https://journalajarr.com/index.php/AJARR) |
| Manuscript Number: | **Ms\_AJARR\_137955** |
| Title of the Manuscript: | **A Systematic Review on Prediction Models for Postoperative Delirium in Non-cardiac Surgery Patients** |
| Type of the Article | **Systematic Review** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **This manuscript offers a comprehensive and timely evaluation of risk prediction models (RPMs) for postoperative delirium (POD) in non-cardiac surgery patients. Given the significant impact of POD on patient outcomes—including prolonged hospital stays, increased morbidity, and higher healthcare costs —this review addresses a critical gap in perioperative care.**  **The study's strengths lie in its rigorous methodology, adherence to PRISMA-2020 guidelines, and use of the PROBAST checklist for assessing risk of bias. By synthesizing data from 12 studies, the authors provide a clear overview of the performance metrics of various RPMs, highlighting their accuracy and applicability. The emphasis on internal and external validation underscores the importance of model robustness and generalizability.**  **However, the review could benefit from a more detailed discussion on the limitations of the included studies, such as sample size variability, potential biases in data collection, and the impact of different surgical procedures on POD risk. Additionally, exploring the integration of these RPMs into clinical practice, including potential barriers and facilitators, would enhance the manuscript's practical relevance.**  **In conclusion, this manuscript provides valuable insights into the current landscape of POD prediction models, offering a foundation for future research aimed at refining these tools and improving patient outcomes in non-cardiac surgery settings.** | We are appreciating the reviewer’s valuable insights and feedback concerning this manuscript. We agree with her comments. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes.** | We thank the reviewer for the positive comments. |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes, it is well written.** | We thank the reviewer for the positive comments. |
| Is the manuscript scientifically, correct? Please write here. | **Yes, it is scientifically correct and important.** | We thank the reviewer for the positive comments. |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes, they are sufficient and many of them are recent.** | We thank the reviewer for the positive comments. |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes.** | We thank the reviewer for the positive comments. |
| Optional/General comments | **-** | - |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | No ethical issues founded in this manuscript. |