PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 64353

Title: Medication Adherence and quality of life among Type-2 diabetes mellitus in India

Reviewer's code: 05126185

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: India

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Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-03-04 00:33

Reviewer performed review: 2021-03-04 01:39

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent　　[ ] Grade B: Very good　　[Y] Grade C: Good [ ] Grade D: Fair　　[ ] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

This study is fine overall with a good topic, a popular approach, significant results and appropriate conclutions. However, this study still has one important limitation and I would like to suggest you to address it in Discussion. The reliability of this study would have improved with machine learning analysis, statistical methods to extract knowledge from large amounts of data. Specifically, the random forest and the artificial neural network (ANN) do not require unrealistic assumptions of linear regression such as ceteris paribus, "all the other variables staying constant". Also, the random forest can address which predictors are more important for the prediction of medication adherence or life quality. Rigorous comparison of regression and machine learning results is expected to make a good contribution for this line of research.