

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 81380

**Title:** Relationship Between Glycemic Variability and Cognitive Function in Lacunes Patients With Type 2 Diabetes

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05207387

**Position:** Editorial Board

**Academic degree:** DSc, PhD

**Professional title:** Professor

**Reviewer's Country/Territory:** South Korea

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-11-07

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-12-05 01:14

**Reviewer performed review:** 2022-12-05 01:29

**Review time:** 1 Hour

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 Grade E: Do not publish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

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous
	Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No

## SPECIFIC COMMENTS TO AUTHORS

Thanks for recommending me as a reviewer. In this paper, authors to predict the value of patients' cognitive impairment with lacunes complicated with T2DM, a receiver operating characteristic (ROC) curve and a nomogram prediction model were constructed. If the authors complete minor revisions, the quality of the study will be further improved.

1. The introductory section is well written, but too wordy. Authors may split the paragraphs in the introduction section into multiple paragraphs.
2. pg 3: "Using the R 4.2.1 software package, a nomogram prediction model of blood GV indicators for cognitive impairment in patients with lacunes complicated with T2DM was established. The internal correction analysis was used, and the clinical benefit was verified with decision curve analysis (DCA). A receiver operating characteristic (ROC) curve was used curve to evaluate the predictive value of each index on cognitive function in patients with lacunes complicated with T2DM.  $P < 0.05$  was statistically significant." - Authors should describe more specifically about internal correction analysis and decision curve analysis (DCA) to help readers understand.

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**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

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**Reviewer's code:** 05870137

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Additional Professor

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-11-07

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-12-12 13:18

**Reviewer performed review:** 2022-12-17 14:30

**Review time:** 5 Days and 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Peer-reviewer statements	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous
	Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No

#### **SPECIFIC COMMENTS TO AUTHORS**

• Long sentences need to be reframed. • Space between words/ sign & words to be relooked. • Review board/ Ethical approval details not mentioned. • The study design is not mentioned. How the sample size was calculated that also is not clear. The methodology needs a revisit by mentioning ethical clearance, study design, population, sample size, sample recruitment strategy, tools for assessment and investigations, and procedural details including statistical analysis. • Referencing style needs to be rechecked.