Baishideng Publishing Group

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
**Telephone:** +1-925-399-1568
**E-mail:** bpgoffice@wjgnet.com
**https**://www.wjgnet.com

# PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 56989

**Title:** Use of glycated albumin for the identification of diabetes in subjects from northeast China

**Reviewer's code:** 05261052
**Position:** Peer Reviewer
**Academic degree:** FACC, MD, PhD
**Professional title:** Associate Professor, Research Associate, Research Scientist
**Reviewer's Country/Territory:** Austria
**Author's Country/Territory:** China
**Manuscript submission date:** 2020-11-19
**Reviewer chosen by:** AI Technique
**Reviewer accepted review:** 2020-11-24 02:06
**Reviewer performed review:** 2020-11-24 02:35
**Review time:** 1 Hour

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[ ] Grade D: Fair [ ] Grade E: Do not publish |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

Baishideng Publishing Group

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
**Telephone:** +1-925-399-1568
**E-mail:** bpgoffice@wjgnet.com
**https**://www.wjgnet.com

**SPECIFIC COMMENTS TO AUTHORS**

Metabolic memory is important in the diagnosis and treatment of diabetes in the early stage and in maintaining blood glucose concentrations within the normal range. The clinical diagnosis of diabetes mellitus is currently made using fasting plasma glucose, 2h-PG during a 75 g oral glucose tolerance test and HbA1c level. However, the FPG test requires fasting, which is a barrier to screening, and reproducibility of the 2h-PG level is poor. HbA1c is affected by a shortened red blood cell lifespan. In patients with anemia and hemoglobinopathies, the measured HbA1c levels may be inaccurate. Compared with HbA1c, glycated albumin is characterized by more rapid and greater changes, and can be used to diagnose new-onset diabetes especially if urgent early treatment is required, for example in gestational diabetes. In this study, the authors provided cutoff values for glycated albumin and to evaluate its utility as a screening and diagnostic tool for diabetes in a large high-risk group study. Overall, this study is very well designed and the results are interesting. I have some minor comments: 1. Some minor language polishing should be proofed, and revised. 2. The results are well discussed. However, the references should be updated. 3. Tables require an editing.

Baishideng Publishing Group

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
**Telephone:** +1-925-399-1568
**E-mail:** bpgoffice@wjgnet.com
**https**://www.wjgnet.com

# PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 56989

**Title:** Use of glycated albumin for the identification of diabetes in subjects from northeast China

**Reviewer's code:** 05261057
**Position:** Peer Reviewer
**Academic degree:** FRCPE, MD, PhD

**Professional title:** Associate Professor, Research Associate, Research Scientist

**Reviewer's Country/Territory:** United States

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

**Manuscript submission date:** 2020-11-19

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-11-24 02:07

**Reviewer performed review:** 2020-11-24 02:41

**Review time:** 1 Hour

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

Baishideng Publishing Group

7041 Koll Center Parkway, Suite 160, Pleasanton, CA 94566, USA
**Telephone:** +1-925-399-1568
**E-mail:** bpgoffice@wjgnet.com
**https**://www.wjgnet.com

**SPECIFIC COMMENTS TO AUTHORS**

The use of HbA1c for the diagnosis of diabetes is a complement to other measures. However, HbA1c is affected by a shortened red blood cell lifespan. In patients with anemia and hemoglobinopathies, the measured HbA1c levels may be inaccurate. Compared with HbA1c, glycated albumin is more rapid to diagnose new-onset diabetes. In this study, the authors evaluated the utility of glycated albumin in identifying subjects with diabetes. The design of the study is good, with clear aims. Methods are described in detail, and the results are very interesting. The sample size is big, and enough. Comments: 1. Manuacript requires an editing, both the language and the format. Please revise the manuscript according to the journal's guidelines. 2. The references are well cited, and discussed with the results. However, please check and update the reference list.