

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 90107

Title: Application of non-mydratic fundus photography-assisted telemedicine in diabetic retinopathy screening

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 07540117

Position: Peer Reviewer

Academic degree: N/A

Professional title: N/A

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2023-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-11-26 10:47

Reviewer performed review: 2023-12-06 09:44

Review time: 9 Days and 22 Hours

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

General comment: The topic approached by the authors of this paper is interesting and overall, I believe the study has relevant information hereby suitable for publication after revision. The authors clearly explained their work throughout the manuscript. I just have some remarks/suggestions to point out. The study suggests that non-mydratic fundus photography-assisted telemedicine is a reliable and efficient method for screening and diagnosing diabetic retinopathy, with a value of 0.689. Specific comments: Introduction: - The last 5 lines of the introduction, which refer to the sample size, should be removed from this section. It is better to state the need for this study. In other words, what was the problem in diagnosing diabetic retinopathy with the previous methods that the new method should replace them. Methods: -The sample size of the experiment was relatively small, which may limit the generalizability of the results. - The authors did not describe the exact methodology used for the single-blind assessment of the concordance between non-mydratic fundus photography-assisted telemedicine and fundus fluorescein angiography. In results: -Tables 1 & 2: It is better to report exact P-values. - The study did not compare the results with other existing DR screening



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methods. - The study did not evaluate the cost-effectiveness of using non-mydratic fundus photography-assisted telemedicine. - The study did not assess the potential risks associated with using non-mydratic fundus photography-assisted telemedicine. In discussion & conclusion: -Limitations and strengths of the study are not mentioned.