

## PEER-REVIEW REPORT

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

**Manuscript NO:** 65848

**Title:** Quantitative analysis of early diabetic retinopathy based on optical coherence tomography angiography biological image

**Reviewer's code:** 06058771

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-04-08

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-04-12 00:45

**Reviewer performed review:** 2021-04-25 07:32

**Review time:** 13 Days and 6 Hours

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 Grade E: Do not publish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



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

Fluorescein angiography is an invasive technique that only produces images of whole blood vessels and obscures the details of the individual layers of the blood vessels. The noninvasive blood flow imaging technology has been developed known as optical coherence tomography angiography. Macular ischemia is an important feature of diabetic retinopathy and is thought to be caused by occlusion, loss, or degeneration of the capillary network in the macular area. This study used the optical coherence tomography angiography to evaluate the macular area, and the authors demonstrate that it can be used as an early fundus screening method for diabetes mellitus patients. This study is overall very interesting. The manuscript is well written. After a minor revision, it can be accepted for publication. 1. The authors should take attention of some minor language polishings. 2. Please change the  $\bar{x} \pm s$  to mean  $\pm$  SD, which is a standard word. 3. Some Chinese words should be revised, in the notes of the table 1.