

Dear Editor:

Thank you very much for your letter and for the reviewers' comments regarding our manuscript ID: 78415 entitled "Morphological and electrophysiological changes of retina after different light damage in three patients: a case report". These comments are all valuable and helpful for revising and improving our paper and future research. We have studied the comments carefully and have made corrections accordingly. We hope that the revised manuscript meets the standards of this distinguished journal. The major corrections to the paper and the responses to the Reviewer's comments are as follows.

Responses to Reviewer 2's Comments

Comment 1: Could the authors highlight that "diode laser-induced hyperreflective lesions appear in the retina of zebrafish via activation of Müller glia (MG) cells"?

Reference: Neuropilin-1 may be responsible for retinal findings in patients with COVID-19. Hum Cell. 2021 Jul;34(4):1280-1281. doi: 10.1007/s13577-021-00532-0.

Response: Thanks for your professional advice. We have added the evidence that müller glia cell activation could participate in a laser-induced retinal degeneration and regeneration in zebrafish at discussion part. The discussion part showed at below:

Moreover, animal study found müller glia cell activation participated in a laser-induced retinal degeneration and regeneration in zebrafish [14]. During COVID-19 pandemic, researchers found retinas damages could be related with Neuropilin-1[15].

Reference:

14. Conedera, F.M., et al., *Muller Glia Cell Activation in a Laser-induced Retinal Degeneration and Regeneration Model in Zebrafish*. J Vis Exp, 2017(128).

15. El-Arabey, A.A. and M. Abdalla, *Neuropilin-1 may be responsible for retinal findings in patients*

with COVID-19. Hum Cell, 2021. **34**(4): p. 1280-1281.

Comment 2: Please add a diagrammatic figure to summarize the findings for the current proposal.

Response: Thanks for your professional advice. We have supplemented a diagrammatic figure to summarize the key findings. The diagrammatic figure was showed as below.

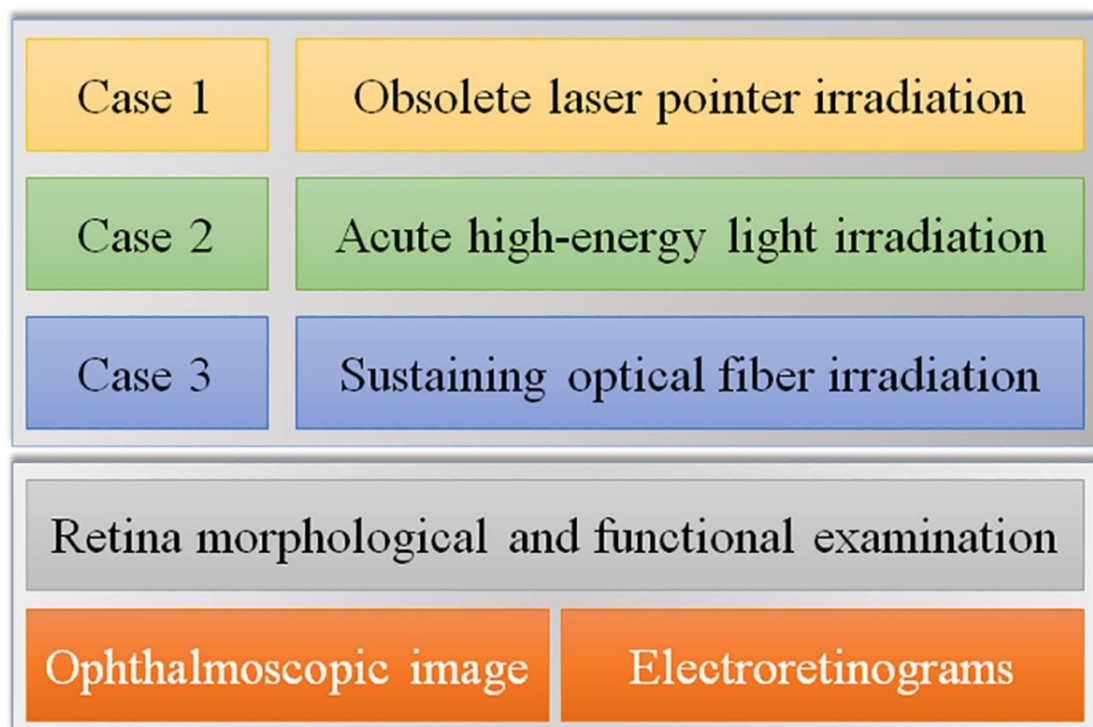


Figure 1 The diagrammatic figure of the key findings

Thank you very much for your comments and suggestions.

Sincerely yours,

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