Reviewer’s report

Title: Effect of intraocular anti-VEGF on cystoid macular edema associated with Henoch- Schonlein purpura

Version: 0 Date: 15 Nov 2019

Reviewer: Hidetaka Noma

Reviewer's report:

This study aims to report a bilateral cystoid macular edema associated with Henoch-Schonlein purpura. The authors have concluded that intraocular anti-VEGF might be an alternative choice to glucocorticoid in cases of bilateral cystoid macular edema associated with Henoch-Schonlein purpura. The case of this study is rare and interesting. I have following comments.

Comment 1:

Is intravitreal aflibercept injection approved for this disease?

Comment 2:

VEGF induces the inflammatory related cytokines via VEGF receptors (Shibuya M. J Biochem Mol Biol. 2006). Therefore, anti-VEGF agent could reduce the inflammatory related cytokines indirectly, resulting in a decrease of inflammation, although reduction of these cytokines is higher in effect of steroid than that of anti-VEGF therapy. Please address this information in the Discussion section.

Comment 3:

This case seems to show that the left eye had more retinal hemorrhage than the right eye. Muraoka et al. reported that mean size of maximum peripheral dot or blot hemorrhage was larger in eyes classified as ischemic than as nonischemic (Retina. 2017). Therefore, in the left eye, macular edema might have recurred even after 3+PRN treatment of intravitreal aflibercept injection due to high level of VEGF. Please address this concept in the Discussion section. Also, please provide a fundus examination and a fluorescein retinal angiography including peripheral area.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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