Reviewer's report

Title: High-dose antioxidants for central serous chorioretinopathy; The randomized, placebo-controlled study.

Version: 2 Date: 20 June 2011

Reviewer: Catherine Meyerle

Reviewer's report:

The authors investigate whether high dose anti-oxidants is beneficial in cases of acute central serous chorioretinopathy. Following are some comments.

MAJOR COMPULSORY REVISIONS

1) Methods- p5 The authors define "acute" with the temporal definition of 6 weeks, but allow for enrollment of new and recurrent cases. Given that recurrent cases were analyzed, what was the status of their retinal pigment epithelium? Were any on a diffuse retinal pigment epitheliopathy spectrum? Was the status of the retinal pigment epithelium graded via fundoscopy, fluorescein images and/or fundus autofluorescence photos? (Antioxidant treatment may have different effects dependent on the health of the retinal pigment epithelium so it is worthwhile to comment on the retinal pigment epithelial status).

2) Methods - The authors used stratus time domain for their OCT evaluation. Future trial using spectral domain OCT would be beneficial as it would allow quantification of the subretinal fluid via editing segmentation. The authors could mention this in their discussion of the study limitations.

3) Discussion, p11 - The authors correctly note that central macular thickness is a combined measure of intraretinal and subretinal. How many had intraretinal fluid? Typically, intraretinal fluid is seen in more chronic cases with diffuse retinal pigment epithelial changes leading to a cystoid macular degeneration.

4) Discussion, p12- Please expand limitations, i.e. no quantitative analysis of subretinal fluid pockets

5) Discussion, p13 - Instead of saying antioxidant treatment definitely provides a benefit (I think we need a more definitive trial to make this conclusion), conclude by saying that a randomized control study with longer follow-up and quantitative analysis of the subretinal fluid is warranted to investigate anti-oxidants as a possible treatment modality.

MINOR ESSENTIAL REVISIONS

There are some minor grammatical and typographical errors, so please proof read one more time.

Level of interest: An article of importance in its field
Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests.