Reviewer's report

Title: Visual function and Serous Retinal Detachment in Patients With Branch Retinal Vein Occlusion and Macular Edema: a case series

Version: 1 Date: 16 July 2011

Reviewer: Pearse Keane

Reviewer's report:

Major Compulsory Revisions:

In this manuscript, Noma et al. examine the effects of serous retinal detachment on visual acuity, macular sensitivity, and macular thickness, in retinal vein occlusions.

1) In the first and fourth paragraphs of the discussion, the authors are to be commended for their interesting description of CME/SRD pathophysiology. Do they have any hypotheses as to why reductions in macular sensitivity were not correlated with reductions in visual acuity?

2) When was this study performed? Over what time period were the patients enrolled? The authors use Stratus OCT, so I would suspect that this patient cohort was collected a number of years ago. They also obtain the images using the fast macular thickness scanning protocol... for Stratus OCT, the higher resolution radial lines protocol would provide far better images for the evaluation of CME/SRD and may even have allowed evaluation of the outer retinal integrity.

3) The authors have found that macular thickness was greater in the eyes with SRD than those with CME alone. However, the authors use Stratus OCT, so the macular thickness measurements are from between the ILM and the RPE. As a result, the macular thickness measurements include the thickness of the neurosensory retina AND the subretinal fluid thickness. Have the authors compared the actual retinal thickness in both groups?

Minor Essential Revisions:

- Abstract Background: "patients with BRVO", not "BRVO patients"

- Abstract Background: The following sentence: "The influence of... " is a run-on sentence

- Introduction: The sentence beginning: "Assessment of visual acuity and measurement of foveal thickness..." requires a reference.

- "orthopticists" Should this be "orthoptists" or "optometrists"?

Level of interest: An article whose findings are important to those with closely
related research interests

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.