Reviewer's report

Title: M-charts as a tool for quantifying metamorphopsia in age-related macular degeneration treated with bevacizumab injections

Version: 1 Date: 14 November 2012

Reviewer: Grant Comer

Reviewer's report:

Overview: Overall, this is a reasonably well written manuscript with a good study design that compares M-charts quantitative metamorphopsia scores with a number of functional and structural tests taken before and after treatment of exudative age-related macular degeneration (AMD) with bevacizumab.

Major Compulsory Revisions

1. The authors need to convince the reader why using M-charts matters. The beauty of an Amsler grid is that a patient can screen themselves at home and contact the doctor with changes to the grid. If an M-chart can be used at home, please state that clearly. In this case, the major conclusion of your paper should be that M-charts is a more effective home-screening test than an Amsler. However, if an M-chart can only be used in the eye-care professionals office, then detecting or quantifying metamorphopsia has minimal significance because it won't change the diagnosis and management. The exudative AMD will be detected on the clinical examination with or without OCT and the response to treatment will be quantified with the OCT, which serves as a reliable structural measure.

2. The article needs professional editing for relatively minor grammar, clarity, and structural issues.

Minor Essential Revisions

1. Figure 1 needs more clarification to enhance understanding.
2. Figure 2 has poor resolution and is nearly unreadable.

Discretionary Revisions

1. In the introduction, the authors call M-chart 'new' however, the citation is over 20 years old. Consider removing the word 'new'.

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

Declaration of competing interests:

I declare that I have no competing interests.