Reviewer's report

Title: Retrospective analyses of optical coherence tomography in recurrent macular edema following intravitreal therapy in patients with retinal vein occlusion

Version: 1 Date: 2 July 2015

Reviewer: Fiona Harris

Reviewer's report:

Minor Essential Revisions

1. This study would be enhanced by the addition of raw data, in addition to the processed data already presented in graphical form. It would be interesting to see the numerical values for the increases in macular thickness, as well as the non-averaged percentage increases, for each of the macular areas under review.

2. The definition of 'resolution of macular oedema' (p.6, line 9-10) may need to be clarified as the subsequent introduction of the concept of 'pseudobaseline' could imply that there is some residual or persistent macular oedema, with the treatment / retreatment cycles possibly constituting a saw-tooth effect of progressively increasing macular thickness.

3. There appears to be a typo on p.8, line 9: perhaps 3Q should actually read 3H?

Discretionary Revisions

1. It would be interesting to see the data divided into three separate groups, based on those treated with anti-VEGF agents, those treated with steroids, and those receiving a combination of intravitreal agents, to ascertain whether there is a significant difference in findings between these groups.

2. There appears to be a typo on page 3, line 22: I believe 'RME' should have read 'recurrent macular edema (RME)'.

3. The reader may find it helpful for interpretation of the results if the range of duration of follow up (p.5, lines 17-18) is stated.

4. It may be helpful to rephrase the sentence on lines 8-9 of page 9 (under 'Discussion') and clarify whether the 'macular' of RME refers to the 1.5mm diameter clinical macula, or the larger anatomical macula.

It may be worth bearing in mind that the findings of this paper may be of limited value to a UK audience, where it is common practice to examine the OCT in display mode when assessing macular oedema in CRVO and BRVO, rather than...
relying solely on CRT values.

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

**Quality of written English:** Acceptable

**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