Reviewer's report

Title: Retinal and choroidal thickness measurements using spectral domain optical coherence tomography in anterior and intermediate uveitis

Version: 2 Date: 5 April 2014

Reviewer: Kakarla V Chalam

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Major Compulsory Revisions

• The statement in the introduction that “in AU and IMU the posterior part of the retina and choroid are not affected by default” is inaccurate. Posterior retina and choroid are not the primary sites of inflammation, but they are affected by these disease processes.

• The Inclusion criteria should be clearer. You have mentioned that standard diagnostic workup was performed, but you have not specified the workup. For example, were any of the uveitis cases associated with multiple sclerosis, sarcoidosis, HLA B27, etc?

• If the authors want to offer a relationship between choroidal/retinal thickness with uveitis, they have to give more detailed information about the type and severity of uveitis cases.

• The EDI mode of the Spectralis machine offers some level of choroidal visualization, but in our experience it does not reliably penetrate through the entire choroidal thickness. Therefore, I am not quite sure how reliable your statements about choroidal thickness are. Swept Source OCT would be a much more reliable way of measuring choroidal thickness.

• The manuscript has to go through editing for grammatical correction.

• The discussion section to a large degree merely reiterates the results section. The discussion should offer some in-depth analysis of the findings with relevant literature review.

Level of interest: An article of limited interest

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