Reviewer’s report

Title: PREDICTIVE MODELS OF LONG-TERM ANATOMIC OUTCOME IN AGE-RELATED MACULAR DEGENERATION TREATED WITH AS-NEEDED RANIBIZUMAB

Version: 0 Date: 18 Apr 2017

Reviewer: Anniken Bures

Reviewer’s report:

Many published papers have described different outcome predictors in AMD. However, this manuscript reflects the results of a specific Spanish cohort in a regular clinical setting, offering insight into different treatment outcomes and individual disease traits according to the studied region.

There are some minor clarifications/revisions I think could improve the quality of the manuscript:

1) Please state more clearly whether the patients received a monthly loading dose the first 3 months. It is mentioned in the Discussion that the desired treatment regimen was 3 loading injections followed by as needed treatment, though according to the data mentioned in table 2, the number of injections at month 3 is 194 (which would represent a mean value of 1 injection per patient at month 3 instead of the expected 3 injections per patient). It is a retrospective study and it may be difficult to unify treatment regimens, but I think this is an important aspect to mention and clarify in the Methods section as well, since visual acuity at week 12 after 3 loading injections is the hallmark predictor of long term visual acuity in neovascular AMD.

2. Diagnosis in 2009 is mentioned as a predictive factor: the fact that number of visits and injections during that year was low is a very specific and local circumstance. I would rather mention that a low number of visits is associated with worse outcomes, since this is a value that's easier to extrapolate to other clinical settings.

3. Lastly, you mention lens status as a predictive factor both in the abstract and in the Results section. However, you dismiss this as a predictive factor due to its low prevalence. If you consider this factor non-relevant, I would not mention it in the abstract.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes
Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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