Reviewer’s report

Title: Rotation of a toric intraocular lens with and without capsular tension ring: data from a multicenter non-inferiority randomized clinical trial (RCT)

Version: 0 Date: 25 Jan 2019

Reviewer: ALAN CRANDALL

Reviewer's report:

B0PH-D-18-00606
Rotation of a toric lens with and without capsular tension ring: data from a multicenter non-inferiority clinical trial(RCT)
Hahn et al

Abstract
Describes the prospective study, details adequate enough to understand purpose of the RCT.

Introduction (Background in manuscript)

There are many anecdotal reports suggesting that a CTR might be helpful in reducing rotation of the toric lens. This study was designed to answer that question

Methods
Used AMO Toric in all cases and the same CTR in the cohort that received the CTR-good design
All patients were routine with mild myopia up to mild hyperopia.
Second paragraph second sentence is odd but I think what they mean is the surgeon will decide whether the patient will be distance or near but the corrected distance vision should be reported.? Same sentence delete (condition following) trauma to read trauma or ocular trauma.

Choice of Analysis Population
Suggest change to Study Population
2nd paragraph first sentence delete "extensive exploratory" sentence to read "perform an analysis of the available RCT..."
Paragraph 3 is problematic: first sentence change to During the study a large number of protocol violations were observed, (remainder of sentence fine). In the last sentence drop "actually" and drop "in fact a full analysis"

Worry that the violations lead to data that is "cherry picked"

Exploratory Analysis Methods (? Change to Statistical Methods)

Drop "exploratory" in all sentence in paragraph one
Drop "explorative" in the first sentence of second paragraph

Results
Good analysis

Discussion
First sentence change "explorative analysis" to "the primary aim of the study".
Second sentence should read "only healthy eyes with lens powers ranging from +16 to +26 diopters were included"
Sentence three "In the study one cohort received a CTR with the toric implant while the other cohort received only the toric implant.

Next sentence : "There were no significant clinical  differences between the two cohorts"

Second paragraph
3rd sentence not sure what it means

Rotation instead of Misalignment
First sentence delete "unquestionably"
Sentence 4
Do not understand what they mean by "The consequences differ according to the cause of misalignment"
Would delete the last sentence since it is not relevant to the study.

CTR and rotation of toric lens
Paragraph two sentence one change "elder" to previous

Limitations
4th paragraph first sentence drop "unavoidable" and the remainder of the sentence is odd-needs revision. Sentence 2 not sure what they mean.
Sentence 4 Change to data analysis focused on the three month follow-up of the ..... samples"

Summary
Major revisions
Good information

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.

No

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.

I am able to assess the statistics

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

Needs some language corrections before being published

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