Peer Review File

Density and morphology of corneal endothelial cell after phacoemulsification using ringer lactate versus balanced salt solution as irrigating solutions

Reviewer: 1

1. How was the sample size determined?

Response: Thank you for your question. We have added the method of sample size calculation.

Line 64:
The sample size was calculated using two independent means comparison formula and revealed 26 subjects for each group

2. The major drawback of this study is a short follow-up. The eye drops are typically continued for four weeks after cataract surgery. The measurements should be obtained at least three months after surgery for any meaningful conclusions.

Response: Thank you for your suggestion. We finished the follow-up at 1 month post-surgery based on several literature that revealed no additional cell loss after 1 month.

Line 84:
This length of follow-up was similar with previous study that showed no additional endothelial cell loss did not occur after 1 month(9).

Reviewer 2

Please thoroughly check the manuscript for formatting errors, punctuation errors, in-text citations and grammatical mistakes. Please add a solid conclusion or take-home message of your work in the discussion.

Response: Many thanks for your suggestion, we have revised accordingly.

Line 200:
It was revealed from this study that BSS and RL were similar in their capability of maintaining endothelial cell loss and endothelial cell morphologic change after phacoemulsification in senile cataract. The limitation of this study was objective examination of inflammation, which is flare and cells on the anterior chamber used a bio microscope slit lamp. Further multicenter study is needed to strengthen the result of this study.