Reviewer's report

Title: Bryophyllum pinnatum enhances the inhibitory effect of atosiban and nifedipine on human myometrial contractility: an in vitro study

Version: 0 Date: 19 Jul 2019

Reviewer: Carsten Gründemann

Reviewer's report:

In the context of obstetrics, the authors investigated the influence of Bryophyllum pinnatum extracts alone or in combination with common clinical-used synthetic drugs on contractility by using primary myometrium biopsies.

The topic of the manuscript is clinical relevant, the experimental setting is straight forward designed and the article is well and concisely written but needs further revision before its acceptance.

The authors have to revise as follow:

1.) Please include the votum identification number and approval date from the local ethics committee into the design section.

2.) Please combine the two paragraphs "Combination of BPJ and atosiban/nifedipine" in the methods section.

3.) Please demonstrate with experiments in an additional readout system that the contraction capacities of the myometrium biopsies are not mediated through reduction in viability.

4.) To strengthen the main conclusion of the manuscript it is necessary to demonstrate that BPJ alone and in combination with atosiban and/or nifedipine has dose-dependent activity on your actual experimental read out. Please provide these additional data in combined figures.

Thank you very much!

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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