**Reviewer’s report**

**Title:** Circumcision in hemophilia using low quantity of Factor Concentrates: Experience from Dakar, Senegal

**Version:** 1  **Date:** 28 Dec 2016

**Reviewer:** Chatree Chai-Adisaksopha

**Reviewer's report:**

The manuscript has improved after revision. I have some remaining concerns. The authors did not quote the comments from the reviewers. It is difficult to track.

Background

Page 3 line 54. Please remove "like ours"

Page 3, line 60-61. Please consider remove this paragraph since factor replacement therapy is the standard treatment for patients with hemophilia who undergo invasive procedures or surgeries.

Methods

Page 4 line 3. Were all of 26 haemophiliacs underwent circumcision? If yes, please state that you include patients with hemophilia A with or without inhibitor and who underwent circumcision from 20xx to 20xx.

Page 4 line 84. I would suggest "none of haemophiliacs had prophylactic treatment"

Page 4 line 86-87. Please clarify this sentence "there was any other criteria related to age, severity of 87 hemophilia or presence of anti FVIII inhibitor"

Page 5 line 103. Please provide full name of FEIBA and rFVIIa. All of hemophilia patients with inhibitor received FEIBA for the first consecutive three doses. After that, only patients who had post surgical bleeding got rescue therapy with rFVIIa. Is that correct? Please clarify.

Did you measure factor VIII clotting activity following factor infusion?

Do you have a specific management for patients who had breakthrough bleeding after the surgery or the treatment was depended on treating physicians? Please clarify.

Page 6. What does externally mean? After patients were discharged from hospital?
Results

Page 7. Please state number of participants and diagnosis. (e.g. there were 26 patients with hemophilia A who underwent circumcision included in this study).

Please report "mean with standard deviation" or "median with range". I assumed that the distribution of the data was not normal. I would suggest using median with range or interquartile range instead of mean.

For reporting, please state what is in the bracket, e.g. median age was X.X years (range 1-30 years).

Clinical evaluation

The authors stated that "Mean number of days of FVIII concentrates treatment was 6.9 days (5 - 12 days) in children 158 and 10.75 days (7 - 16 days) in adults (p = 0.0049)" However, when I looked at Table 4, most of the patients received only 3-5 doses of factor (approximately 1-2 treatment days). How could the number of treatment days were so high on page 7. Could you provide number of treatment days in Table 4.

Again, please uniformly reported statistic results as I mentioned above.

P=0.0000 can be written as P<0.001.

Table 3. Please add the columns regarding
1. post surgical day that bleeding happened
2. rescue treatments.

Page 8. - "Characteristics of hemophiliacs according to the type of factors concentrate, number of dose and total quantity of factor administered" should be changed to "number of doses and total quantity of factor concentrates administered"

Could you provide the utilization of factor concentrates using unit per kg.

Any differences in terms of quantity of factor concentrates and clinical outcomes between severe and non-severe patients?

Discussion
Page 9, last paragraph. I would suggest to remove the last paragraph since you did not state in a priori for this comparison. However, it is reasonable to discuss the outcomes from patients without hemophilia in the discussion part.

Conclusion

Page 11, Please remove "Circumcision is a surgical procedure that should be performed by an experienced surgeon to prevent complications." None of knowledge from this study supported this statement.

Table 2 please provide percent (%) for each number

Table 4 please change from "minor" to "mild"

Abstract

Page 2 line 30. "This prospective study included……….. " please add, who underwent circumcision between 2xxxx-2xxxx at ……..

Please revise statistical reports as suggested.

Conclusion: I would suggest, instead of it is possible to perform, you may conclude that the study shows treatment protocol using low quantity of factor concentrates is efficient in hemophilia patients who underwent circumcision.

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.

No

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.

I am able to assess the statistics

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable

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