Reviewer’s report

Title: Coagulation profile of Sudanese children with homozygous sickle cell disease and the effect of treatment with omega-3 fatty acid on the coagulation parameters

Version: 0 Date: 13 Aug 2017

Reviewer: Elena Cassinerio

Reviewer's report:

This is an interesting paper, exploring the effect of omega-3 fatty acids or hydorxiurea in a particular group of patients in developing countries.

The "correction" of chronic hypercoagulable and prothrombotic state in sickle cell anemia can reduce significantly the incidence of vaso-occlusive crisis. The objectives in this paper are well described and the results answer to the questions the authors made.

On my opinion, the paper can be enriched with some other data if the authors had them:

- The authors can describe the clinical characteristics of those group of patients (previous sickle cells crisis, previous transfusion support, stroke, venous thrombosis etc) to define better their clinical course;

- It could be useful also the percentage of HbS in the different group, if available.

The authors has to check and correct in the discussion the use of PTT instead of PT, in some statements.

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.

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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