Reviewer’s report

Title: PREVENTION PRACTICES INFLUENCING FREQUENCY OF OCCURRENCE OF VASO-OCCCLUSIVE CRISIS AMONG SICKLE CELL PATIENTS IN ABEOKUTA SOUTH LOCAL GOVERNMENT AREA OF OGUN STATE, NIGERIA.

Version: 1 Date: 07 May 2016

Reviewer: SA Adegoke

Reviewer's report:

Reviewer's comments on HOME MANAGEMENT OF SICKLE CELL CRISIS AMONG PATIENTS IN ABEOKUTA SOUTH LOCAL GOVERNMENT AREA, OGUN STATE.

The focus of this study is relevant, considering the high prevalence of sickle cell disease and the associated morbidities and mortality in our Nigeria.

1. Abstracts: Rather too long, especially the results section. Should be shortened.

2. Introduction:

   (a) Also too long. Some sections are not necessary e.g. write up on Transcranial doppler ultrasonography. Some other sections need to be summarised e.g. the clinical picture in SCD.

   (b) I observed that some phrases/ sentences look like direct copy and paste from other articles. e.g. "Within the family micro-environment, children with SCD need optimal family support, understanding and care, particularly in terms of providing adequate nutrition and health care delivery so as to achieve an optimum and steady state of health, reducing the frequency of Crisis and proper management of their children when they have crisis. Such favourable family environment has been shown to be a good prognostic index"

   The authors must carefully examine these sentences and rewrite them.

3. Method:
a. Setting: Why were these 2 hospitals selected for the study (out of all the hospitals in the Local Government Area). Any idea of the number of hospitals in the Area.

b. What does total sampling mean?

c. How were the following variables defined? - Sickle cell crisis; plenty fluids; soothing herbs; nutritious diet; strenous exercise???

d. What efforts were made to reduce recall bias when getting the data?

4. Results:

a. Factors associated with frequency of crisis - Was there statistical significant association between sex and frequency of crisis? P was given as 0.006.

b. Correlation analysis may also be important in determining the association between age and frequency of crisis

c. Rewrite chi-square sign appropriately

5. Discussion/ conclusion:

The conclusion that "drug prophylaxis rather than lifestyle factors may be more important in home management and reduction of frequency of sickle cell crisis" is not CLINICALLY significant. This should be discussed.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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 recommend additional statistical review

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

Needs some language corrections before being published

**Declaration of competing interests**
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?
4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?
5. Do you have any other financial competing interests?
6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license ([http://creativecommons.org/licenses/by/4.0/](http://creativecommons.org/licenses/by/4.0/)). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal