Reviewer’s report
Title: Risk factors of metabolic syndrome among adult Sudanese sickle cell anemia patients

Version: 0 Date: 24 Mar 2018

Reviewer: Alauldeen Zubair

Reviewer's report:

Dear author,

1. Number of controls should be at least equal or more than number of cases. Why is the number of controls only 26 in your study? It is very easy to recruit healthy young people to this study and the study parameters are simple and easily available in every hospital laboratory. Please increase the number of controls.

2. Define steady state for SCD.

3. There are many language errors which should be corrected.

4. Compare only cases to controls in figures 1-4. There is no point of comparing males to females among cases.

5. Add conclusions section after discussion.

6. Add estimation of the total risk of metabolic syndrome not just individual factors.

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:
Needs some language corrections before being published

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