Reviewer’s report

Title: Primary care challenges of an obscure case of "Alice in Wonderland" syndrome in a patient with severe malaria in a resource-constrained setting: a case report

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Reviewer: Kavitha Saravu

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Primary care challenges of an obscure case of "Alice in Wonderland" syndrome in a Patient with severe malaria in a resource-constrained setting: a case report

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Authors have described a rare case of AIWS in a case of malaria

Reviewer's comments:

1. Did the patient have past h/o malaria in particular?

2. To confirm the diagnosis of malaria, a thick blood film analysis was done which was remarkable for hyperparasitaemia at 277,000 trophozoites/microliter - which species of malaria on thin smear? Authors have provided an explanation for this (even though they could have preserved a thin peripheral smear which could be read at a later date for species identification); however, treatment of severe malaria is the same for Plasmodium falciparum and plasmodium vivax malaria.

3. Felix-Widal test- What is this? Is it a combination of Weil Felix & Widal test? Weil Felix is a non-specific test for diagnosis of rickettsial disease and Widal test is also insensitive and nonspecific for typhoid, which the authors have acknowledged.

4. The boy might have had seizure because of hypoglycemia. Though the authors mention blood sugar of 50mg/dL prior to quinine administration (which is very well hypoglycemia), they do not mention the plasma glucose value when the boy developed convulsions…It could be quinine induced hypoglycemia as well.

5. Hypoglycemia itself is known to produce various neurological manifestations including visual hallucinations. On presentation, the boy had hypoglycemia. Could this AIWS symptomatology be attributable to hypoglycemia induced by malaria?
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.

Unable to assess

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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