Reviewer’s report

Title: Choreoathetosis-an unusual adverse effect of dihydroartemisinin-piperaquine: a case report

Version: 0 Date: 06 Oct 2017

Reviewer: John Hixson

Reviewer’s report:

1. Do you believe the case report is authentic?

Yes

2. Do you have any ethical concerns? Please consider if local Institutional Review Board approval or ethical approval was obtained (if appropriate) and if the patient (or their parent or guardian in the case of children under 18) gave written, informed consent to publish this case and any accompanying images. A statement to this effect should appear in the manuscript.

No ethical concerns.

3. Does the Introduction explain the relevance of the case to the medical literature?

Yes

4. Does the article report the following information? Where information is missing, please specify.

a. The relevant patient information, including:

- De-identified demographic information (age, gender, ethnicity) Yes
- Main symptoms of the patient Yes
- Medical, family and psychosocial history yes
- Relevant past interventions and their outcomes Yes

b. The relevant physical examination findings Yes
c. Important dates and times in this case (if appropriate, organized as a timeline via a figure or table); if specific dates could lead to patient identification, consider including time relevant to initial presentation, i.e. initial presentation at T = 0, follow up at T = 1 month. Yes

d. Diagnostic assessments, including:

- Diagnostic methods Yes

- Challenges (e.g., financial, language/cultural)

- Reasoning and prognostic characteristics (e.g., staging), where applicable Yes

e. Types and mechanism of intervention Yes

f. A summary of the clinical course of all follow-up visits Yes

Comments:

5. Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?

Comments: Overall, this is a very interesting patient case and observation. While the interpretation is anecdotally supported, I would suggest lessening the definitiveness of the language, since this is just a single observation at this point.

6. Is the anonymity of the patient protected? Please consider any identifying information in images such as facial features or nametags, whether the patient is named etc. If not, please detail below.

Yes

7. Is the Abstract representative of the case presented?

Comments: Yes

8. Does the case represent a useful contribution to the medical literature?

Comments: Yes

9. Additional comments for the author(s)?
Overall, a very interesting case report. I am suggesting some grammatical changes (see below). Additionally, I would recommend expanding further details on the known side effects of this particular medication combination, specifically the known cardiac effects and possible QT prolongation. This would help frame the known side effects. I would also recommend further detail in the description of the patient's neurological examination, including muscle strength, tone, and reflexes.

Page 2, line 14: suggest removing 'Nonetheless'

Page 2, line 14: suggest removing 'that is'

Page 3, line 13: define 'flowing', or perhaps choose a different descriptor, or remove

Page 3, line 47: consider adding 'likely' or 'possible' as a qualification to the association

Page 6, line 49: relieve--->relief

**Level of interest**
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

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

Needs some language corrections before being published

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

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