Reviewer’s report

Title: Sawtooth fetal heart rate pattern associated with a favorable neurological outcome in an infant: a case report

Version: 0 Date: 25 Jan 2019

Reviewer: Niyan Marchon

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.

Comments: No Ethical concerns. Documents show clear declarations by authors.

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) - Included in Manuscript
- Main symptoms of the patient - Included in Manuscript
- Medical, family and psychosocial history - Included in Manuscript
- Relevant past interventions and their outcomes partly missing

b. The relevant physical examination findings - partly missing
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. - Included in Manuscript

d. Diagnostic assessments, including:
- Diagnostic methods - Included in Manuscript
- Challenges (e.g., financial, language/cultural) - Included in Manuscript
- Reasoning and prognostic characteristics (e.g., staging), where applicable - Included in Manuscript

e. Types and mechanism of intervention - Included in Manuscript

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

Comments:
- Authors need to clearly recap the data from reference [8] to compare and validate
- Another such record (having saw tooth FHR) may strengthen the theory
- Can we call saw tooth pattern 30-40 variations as variations rather than 30-40 bpm?

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

Comments: A little incomplete. Authors need to elaborate more.

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. Another similar saw tooth FHR pattern would strength the case further.

9. Additional comments for the author(s)?

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

An article of importance in its field

**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:

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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?
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5. Do you have any other financial competing interests?
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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.

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No