Reviewer's report

Title: An unusual case of infective pneumocephalus: case report of pneumocephalus exacerbated by continuous positive airway pressure

Version: 0 Date: 16 Oct 2017

Reviewer: Aaron Blandino

Reviewer's report:

1. Please change in several lines, the proper form of writing Streptococcus salivarius. The scientific names of bacteria are governed by international norms stating that they are written with initial capital letters in the first word that form them, although not in the second, and entirely in italics; In addition, the scientific name should be complete the first time it is mentioned, although it is admitted that the first word is then abbreviated, taking the initial letter and retaining the italic.

2. It is necessary to better describe the case and the clinical feature of the main problem that gives relevance.

3. It is necessary to improve the structure of abstract writing.

Regarding the case presentation.

1. Arterial blood gases: Arterial blood gases does not mention PCO2 values, and I think this is important, taking into account the indication of the CPAP.

2. The reason for indication of CPAP during the ICU stay was not mentioned, previous indication, apnea or hypercapnia with respiratory acidosis?.

3. The ventilatory parameters of CPAP have not been described, please include it, this is important, since this may have a direct relevance to the case
ease, include it, this is important.

4. Do not use Capital letter in a middle of a sentence. Line 7, page 7: "There was No intracranial haemorrhage".

5. Consider not including Figure 1 (Case Timeline of Acute Presentation and Management), since it is redundant and does not bring anything new to the case.

6. For everything else, the case seems very interesting because of the scarce literature on it, besides being apparently the first case described in relation to sinus wall osteomyelitis.

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

**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

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Please indicate the quality of language in the manuscript:
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