Reviewer's report

Title: Next Generation Sequencing based pathogen analysis in a patient with neurocysticercosis: a case report

Version: 0 Date: 31 Dec 2017

Reviewer: Victoria Birlutiu

Reviewer's report:

Dear authors,

First of all, it was a pleasure for me to read your article.

After reading the manuscript the following issues raised my concern or represent a suggestion to add to the manuscript:

- Case presentation:
  Line 18 - received antiviral treatment - could you be more specific regarding the antiviral treatment?
  Line 20-21: She was treated as ischemic stroke of right thalamus - could you be more specific regarding the treatment that the patient received?

- Page 4:
  Line 1 - obvious headache - maybe it would be more appropriate to use another synonym for headache.
  Line 13 - test for Tubercle bacillus - please change Tubercle bacillus with Mycobacterium tuberculosis like testes for detecting.....
  She received 3 times of lumbar puncture after admission - please rephrase the sentence.
  Line 15 - .... the results of CSF showed high intracranial pressure and increased white cells (Table 1) - when reviewing the table, the number of WBC is decreasing from one assessment to the other, from 100 at the firs LP to the 3rd 50. The last column of the table is for Glucose/Cholide - I think that there is a typing mistake and that Cholide is Chloride? If not
please be more specific regarding this test. The values are in mg/L, but in the table you have two values, for e.g. 1st row 2.2/124 - please be more specific

-Page 5:
Line 15 - She received lumber puncture again - please rewrite this sentence.

-Discution:
-Page 7:
Line 8 - slight inflammatory CSF profile - what do you mean by slight inflammatory CSF profile because the levels of CRP or PCT of the CSF are not mentioned.
Line 10 - we focused our attention on the detection of pathogenic microorganisms - please reassess the term of pathogenic
Line 13- ....demonstrated the causative agent, Taenia - please mention Taenia solium, as there are also others
Line 16 - tapeworm Taeniasoliumis - please correct the typing mistake.

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:

Needs some language corrections before being published

**Declaration of competing interests**

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

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
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?
4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?
5. Do you have any other financial competing interests?
6. Do you have any non-financial competing interests in relation to this paper?

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.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.
I agree to the open peer review policy of the journal