Reviewer’s report

Title: A case report of Dengue Haemorrhagic fever complicated with psoas haematoma requiring blood transfusion

Version: 1 Date: 26 Oct 2018

Reviewer: Fernanda Andrade Orsi

Reviewer’s report:

The manuscript consists of a case-report of a psoas hematoma associated with Dengue fever. Although the case reported is interesting, I have some questions with regard to the clinical details of the case, as some information is missing.

1) In background.

I think it is important to give more a more detailed overview of the bleeding complications associated with Dengue, such as the physiopathology of bleedings, most common sites of bleeding, changes in laboratory test, management of the bleeding complications.

2) Case presentation.

a) Demographic characteristics: Please provide information on patient’s age, the place where he came from, where was his consultation (city, country etc)

b) Clinical symptoms at presentation: How many days elapso since the first symptoms and the hospitalization? When the patient was hospitalized, what was the presumed diagnosis? How long after hospitalization was Dengue Hemorrhagic Fever diagnosed? It would be helpful if the authors provided a figure containing the timeline of the symptoms, signs and laboratory tests, from the first symptoms until the hospital discharge.

c) Characteristics of the bleeding episode. Dengue fever mainly leads to muco-cutaneous bleeding, which are bleeding associated with impaired primary hemostasis. Muscular and intraarticular bleedings, which are due to impairments in secondary hemostasis, are unfrequent. Please provide the results of aTTP, PT and fibrinogen pre and after the bleeding episode.

d) Why did the patient received a packed of red blood cells? Was him anemic? Please explain the criteria for transfusion in this setting.

e) In general, psoas hematoma takes a long time to recover. Please provide information on the progression of the hematoma. When the patient was discharged, was the hematoma resolved?
f) What was the virus serotype? Please provide information on the characteristics of Dengue outbreak at the time when this case happened.

3) Discussion

Please discuss the possible reasons for the observed bleeding complication in this patient

Minors:

Please write out the following initials: PCV, HDU, CRP

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

No

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.

No

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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