Reviewer's report

Title: Nontuberculous Mycobacterium Infection Complicated with Haemophagocytic Syndrome: A Case Report and Literature Review

Version: 2 Date: 19 Apr 2019

Reviewer: Jia-Yih Feng

Reviewer's report:

This case report (Nontuberculous Mycobacterium Infection Complicated with Haemophagocytic Syndrome: A Case Report and Literature Review) presented a young lady with disseminated M. intracellulare infection with HPS. The authors also made a literature review about HPS induced by NTM infection. My comments are as below.

1. Page 6, line 25, the HPS was found in bone marrow aspiration. Please provide characteristic pathologic findings of HPS in bone marrow of this patient.

2. Page 6, line 23, the NK cell activity of this patient was reduced. Given that the NK cell activity was not evaluated by commercialized kit that approved by US-FDA or Chine FDA, I think it is inappropriate to include NK cell activity in the case presentation. Or the authors should mention that the NK activity was evaluated by an in-house assay not approved by China-FDA.

3. Page 6, line 39. The pathologic findings of neck lymphnode biopsy should be provided.

4. Did the TB culture of bone marrow aspiration and neck lymph node biopsy been performed and what's the result? The negative results of sputum TB/NTM culture should be mentioned in case presentation. Did you have pleural effusion aspiration and what the results of effusion analysis (protein, LDH, pH level, culture results)?

5. Page 10, line 28. The number of B cell/T cell/NK cell before and after treatment should be included in Table 1.
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.
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