Reviewer's report

Title: Atypical Bronchial Carcinoid with postobstructive mycobacterial infection Case report and review of literature

Version: 1 Date: 05 Oct 2018

Reviewer: Chuan Shao

Reviewer's report:

This is an interesting case, which clarify the comorbid mycobacterium in post-obstructive inflammatory lesion. In clinical practice, pathogenic identification of post-obstructive infection is often neglected or a clear result is seldom reached. This rare case is of important significance. In addition, this manuscript is well-written, with elaboration of diagnosis and treatment procedure and detailed clinical data. However, there are some questions and revision suggestions I want to mention as listed below:

1. How about the immunohistochemical (IHC) results of the resected specimen? It is essential for confirmation of the neuroendocrine origin of the tumor. Therefore, the addition of IHC figures is suggested.

2. The discussion should be more concise and in-depth. For example, the authors can add the discussion of the possible cause of false-negative PCR results. What kinds of mycobacteria were detected under the current PCR system? Whether diagnosis could be improved using next-generation sequencing (NGS)?

3. If available, add the mediastinal window figure of contrast CT to further demonstrate the intraluminal lesion explicitly.

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.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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