

Round-1

Reviewer #1:

**Scientific Quality:** Grade C (Good)

**Language Quality:** Grade B (Minor language polishing)

**Conclusion:** Major revision

**Specific Comments to Authors:** The authors presented a pediatric case of primary liver actinomycosis and a literature review. This article is new in that she was the first pediatric patient with primary liver actinomycosis in English literature. The manuscript is somehow redundant. Title: OK Abstract: OK Introduction: OK Case Presentation:

line 3. Dots might be replaced with nodules I recommend the authors add a Figure of representative CT images of the hepatic lesion.

Answer: Line 3 has been replaced with nodules. But chest X-ray was from the local clinic without picture. We added CT images before treatment.

Discussion: The authors say that "Multipathogen infections may be important in the invasion process; for instance, in the liver, which is an oxygen-rich organ, anaerobic actinomycosis may require the presence of aerobic bacteria to initiate the invasion process." I speculate that this sentence implies that aerobic bacteria consume oxygen, and lead the hepatic microenvironment to an anoxic state, and subsequently, anaerobic Actinomycosis can grow? The authors say, "histological diagnosis is more sensitive than pathological diagnosis because 89% (17/19) of cases in this review were histologically diagnosed." Possibly 'cytological diagnosis' might be appropriate rather than 'pathological diagnosis'? Moreover, I don't think that sensitivity of histological diagnosis can be discussed in this sentence because sensitivity is defined as the proportion of positives that are correctly identified. Or replace sensitive with frequent.

Aerobic bacteria consume oxygen changing the anoxic conditions of liver micro-environment, lead to the development of anaerobic actinomycosis.

Answer: We revised the sentences.

"Perhaps" cytological diagnosis "is more appropriate than" pathological diagnosis "?"

Answer: Yes, we agree that, it has been changed.

Furthermore, I do not think that the sensitivity of histological diagnosis can be discussed in this sentence, as sensitivity is defined as the proportion of positives that are correctly recognized. Or substitute frequent for sensitive.

Answer: Yes, we agree to change this sentence.

## Round-2

Thank you very much for your letter and advice on our manuscript. We have resubmitted new version accordance with recommendations of the 2<sup>nd</sup> viewer. We have addressed the comments raised by the reviewers, and the amendments are highlighted in red in the revised manuscript. We hope that the revision is acceptable and look forward to hearing from you soon.

1. The authors says that the manuscript was amended according to the reviewer's comments. However, it was hard to know where and how the changes were made because no underlined-revised files were attached and revised sentences were not described in the response to the reviewer. I could not find even "nodules" in the text.

Response: Thank you for your comment. I am sorry for the files without displayed revision. Exact changes in the manuscript are presented in red font in the document "Manuscript Revision".

2. Disucussion: "This is a common challenge inactinomycosis cases because 13/89 cases were suspected to be malignant, and biopsy or surgery were performed to obtain the final diagnosis, leading to a prolonged admission period and higher costs." I don't think there were as much as 89 cases. 19 in total?

Response: Thank you for your comment. I am sorry for the mistake, 89 should be revised as 19, including our cases.

3. Figure 1. Chest radiograph is not mentioned in the manuscript but chest CT is. Chest CT might be more useful than chest radiograph if there were some specific findings on CT. Figure 1 and 2. The authors need to closely describe the findings of those medical images in Figure legends. For example, location, tumor size, peritumoral edema.

Response: Thank you for your comment. I am sorry for mistaken description. I add the images of chest CT in Figure 1, and supplement the findings of those medical images in Figure legends.

4. Table Add your case in the table.

Response: Thank you for your comment. I revise the table.