

Response to the reviewers

Manuscript ID number: 65371

Title of manuscript: *Listeria Monocytogenes* bacteremia in a centenarian and pathogen traceability: A case report and review of literature

Dear reviewers,

We sincerely thank you for your valuable comments on our manuscript. Your comments will not only help us make this manuscript more suitable for publication in the prestigious journal WORLD JOURNAL OF CLINICAL CASES, but also inspire our future studies. As per your comments, we have revised the manuscript accordingly. The manuscript has been checked through again and the references have been updated. Responses to your comments are described as below.

Reviewer 1

Evaluations (peer review comments for the author)

1. Elaborate on the history of presenting illness especially on the aspect of hematochezia such as amount of blood, colour of blood, how frequent, any symptoms of anemia due to blood loss and any other associated symptoms.

Response: Thank you for your suggestion. We have highlighted the history of present illness as per your comment. Please refer to the history of present illness section in the revised manuscript, page 6, lines 1-5.

2. Was the patient on any medications for his HTN and CKD? If so, please elaborate.

Response: Thank you for your comments. The patient took amlodipine 5 mg once a day until the hematochezia. No medications for chronic renal disease. We have elaborated the medication history in the revised manuscript. Please refer to the history of past illness section, page 6, lines 9-11.

3. Since the patient presented with LGIB, was an endoscopy performed? What are the findings of endoscopy?

Response: Thank you for your comments. We cannot agree more with the necessity of the endoscopy proposed by you, but regrettably, the endoscopy was not performed for the advanced age of the patient and refusal of the relatives. We have discussed this issue as a limitation of this study. Please refer to the revised manuscript, discussion section, the last paragraph, page 12, lines 22-26.

4. Elaborate further on signs and symptoms during the multiple system organ dysfunction such as jaundice, reduced urine output etc.

Response: Thank you for your suggestion. The patient had mild jaundice, increased creatinine but no reduced urine output. We reviewed the case of the patient and recalculate the sequential organ failure assessment (SOFA) and SOFA of elderly score carefully. The SOFA and SOFA of elderly score was 7 and 10, respectively. We added the PaO₂/FIO₂ ratio in the treatment section, page 8, line 22. N-Terminal pro-Brain Natriuretic Peptide (NTproBNP) and total bilirubin (T-Bil) levels were added in the table 1. A depressed left ventricular ejection fraction (41%) in echocardiography was added in the imaging examinations section, page 7, lines 6-7. We summarized SOFA and SOFA of elderly score as follows (the tables do not appear in the manuscript):

System	Values	SOFA score
Respiration (PaO ₂ /FIO ₂ , mmHg)	276	2
Coagulation (Platelets, ×10 ³ /μL)	156	0
Liver (Bilirubin, μmol/L)	20.43	1
Cardiovascular (Mean arterial pressure, mmHg)	93	0

Central nervous system (Glasgow Coma Scale score)	7	3
Renal (Creatinine, $\mu\text{mol/L}$)	121	1
Total score		7

SOFA of elderly score

System	Values	SOFA score
Respiration (PaO ₂ /FIO ₂ , mmHg)	276	2
Cardiovascular (Mean arterial pressure, mmHg)	93	0
Heart (Left ventricular ejection fraction, %)	41%, NYHA III	3
Liver (Bilirubin, $\mu\text{mol/L}$)	20.43	1
Renal (Creatinine, $\mu\text{mol/L}$)	121	1
Coagulation (Platelets, $\times 10^3/\mu\text{L}$)	156	0
Central nervous system (Glasgow Coma Scale score)	7	3
Total score		10

We replaced “multiple system dysfunction (myocardial damage, acute progression of chronic kidney disease, liver injury)” by “multiple system dysfunction (Respiration, liver, central nervous system, renal, and heart)” in the final diagnosis section, page 8, lines 11-12. Two references concerning SOFA and SOFA in elderly were added in revised manuscript as reference 10 and 11, respectively.

5. Elaborate on the molecular pathogenesis of listeria monocytogenes on the process how the virulence factors attack the cells, then spreading from cells to cells to the Peyer's patches and eventually the lymph nodes and blood.

Response: Thank you for your suggestion. We reviewed the pathogenesis of *L. monocytogenes* infection and revised the manuscript accordingly. Please refer to the revised manuscript, discussion section, page 11, lines 23-29 and page 12, lines 1-8.

Reviewer 2

Evaluations (peer review comments for the author)

1. Thank you for the privilege of reviewing your interesting manuscript describing the successful treatment of *Listeria monocytogenes* bacteremia in a centenary. Please correct a few words.

Response: Thank you for your comments. We have revised the manuscript accordingly.

2. Page 6 line 1: replace: "ago" by "before admission".

Response: Thank you. We have revised the manuscript accordingly.

2. Page 6 line 15-16: delete: "However, ... unconsciousness".

Response: Thank you. We have deleted the sentence: "However, ...unconsciousness".

3. Page 7 line 2: replace: "echography" by "echocardiography".

Response: Thank you. We have revised the manuscript accordingly.

4. Page 7 line 7: replace: “exudation in” by “exudation surrounding”.

Response: Thank you. We have revised the manuscript accordingly.

5. Page 7 line 19: replace: “and was” by “and there was”.

Response: Thank you. We have revised the manuscript accordingly.

6. Page 7 line 20: replace: “test the ... monocytogenes” by “tested”.

Response: Thank you. We have revised the manuscript accordingly.

7. Page 8 line 1: replace: “belonged” by “revealed”.

Response: Thank you. We have revised the manuscript accordingly.

8. Page 8 line 14: replace: “from” by “in”.

Response: Thank you. We have revised the manuscript accordingly.

9. Page 8 line 20: replace: “kidney” by “renal”.

Response: Thank you. We have revised the manuscript accordingly.

10. Legend to Figure1: replace: “in the” by “surrounding the”.

Response: Thank you. We have revised the “Legend to Figure 1” accordingly.

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11. Page 18 Table 1: replace: “D-Dimmer” by “D-dimer”.

Response: Thank you. We have revised the “Table 1” accordingly.