

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 73168

Title: *Mycobacterium tuberculosis* bacteremia in a human immunodeficiency virus-negative patient with liver cirrhosis: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05908908

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor, Senior Lecturer, Surgeon

Reviewer's Country/Territory: Indonesia

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-24 15:04

Reviewer performed review: 2021-11-26 13:32

Review time: 1 Day and 22 Hours

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| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |
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SPECIFIC COMMENTS TO AUTHORS

An extremely rare case report and you can perfectly detect the cause of bacteremia in these patients. Unfortunately, the patient refused medical treatment so that we cannot know the outcome of the patient. 1. The statement "HIV-negative" in the title has no meaning to this case report. Does the author have a specific reason to put that words in the title? 2. Please provide specific data on the patient's physical examination! The patient had an abnormal liver function for two years without treatment, are there jaundice and signs of ascites? The patient has shortness of breath, how is the physical examination of the thorax area? 3. Can the author determine whether the primary disease of Mycobacterium tuberculosis in this patient is an intrapulmonary or extrapulmonary case? Please give any specific reasons in the discussion section. 4. The statement "the occurrence of M. tuberculosis bacteremia in cirrhotic patients has never been reported." Is that true? On reference no. 10, there is 1 patient with the same condition as the author's patient. Please clarify! 5. Please CARE checklist guideline is filled by writing the page/line on each item.

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Peer-review model: Single blind

Reviewer's code: 05446731

Position: Peer Reviewer

Academic degree: FACC, FACP, FAHA, FESC, MD, PhD

Professional title: Director

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-23 23:10

Reviewer performed review: 2021-11-30 21:12

Review time: 6 Days and 22 Hours

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| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |
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SPECIFIC COMMENTS TO AUTHORS

This was a case report of tuberculosis bacteremia in an HIV-negative patient with liver cirrhosis. Please correct and add the following points. #1 Lung CT shows extensive lung lesions. With such extensive lung lesions, some respiratory symptoms were expected to occur. I assume that sputum culture including aspirated sputum has been done. The authors should show such results. #2 What was the life history including alcohol drinking and smoking history in this case? Considering the fact that he self-discharge from the hospital, etc., it is quite possible that his life has been disrupted, and this may have contributed to his lowered immunity. Please comment on this. #3 Related to #2, what was the cause of the liver cirrhosis in this case? Please show the results of virus and autoimmune markers. #4 Please illustrate and explain the figure more clearly by using arrows.

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Title: *Mycobacterium tuberculosis* bacteremia in a human immunodeficiency virus-negative patient with liver cirrhosis: A case report

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06190776

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Chief Physician, Deputy Director, Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-24 15:07

Reviewer performed review: 2021-12-04 13:18

Review time: 9 Days and 22 Hours

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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| Peer-reviewer statements | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
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SPECIFIC COMMENTS TO AUTHORS

In this case report, the authors tried to illustrate M. tuberculosis was examined by next-generation sequencing of blood samples, which was subsequently grown in conventional BacT/ALERT FA blood culture bottles through isolation from blood samples. However, there are major specific points in this manuscript as shown in following comments: 1.Regarding microbiological examination, it is recommended to add the detection of M. tuberculosis culture and next-generation sequencing for Pleural fluid and ascites of the patient. 2.The M. tuberculosis related factors, such as Tuberculosis spot test and Purified Protein Derivative(PPD) should be studied in this work. 3. In the aspect of diagnosis, Is there a possibility of spontaneous bacterial peritonitis(SBP) in the patient? How to exclude the SBP? 4. In the aspect of treatment, Why didn't the authors give artificial liver treatment for the Liver failure? Please give the explanation for the liver failure. 5. Please provide the figures of the results for the next-generation sequencing of blood samples and growth of M. tuberculosis.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05446731

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Academic degree: FACC, FACP, FAHA, FESC, MD, PhD

Professional title: Director

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2022-02-09 18:57

Reviewer performed review: 2022-02-09 19:06

Review time: 1 Hour

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| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Peer-reviewer | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous |



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I have no further comments regarding the revised manuscript.

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Reviewer's code: 06190776

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Chief Physician, Deputy Director, Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2022-02-10 13:26

Reviewer performed review: 2022-02-10 13:42

Review time: 1 Hour

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| Scientific quality | <input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
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| Peer-reviewer | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous |



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The authors have made major revisions based on the revision suggestions, it is advised to accept the manuscript.