



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 86020

Title: Treatment of a patient with severe lactic acidosis and multiple organ failure due to mitochondrial myopathy: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00502802

Position: Peer Reviewer

Academic degree: DNB, FCCP, MBBS

Professional title: Director, Doctor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2023-05-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-06-03 09:25

Reviewer performed review: 2023-06-10 10:14

Review time: 7 Days

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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
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

SPECIFIC COMMENTS TO AUTHORS

I read with great interest the manuscript entitled “Treatment of a patient with severe lactic acidosis and multiple organ failure due to mitochondrial myopathy”. The manuscript is well presented but I have a few suggestions 1. Please revise the following statements: “The third-party and the family history led towards the diagnosis of the underlying disease.” Avoid using words like “third party”. “But in a plateau, support, prevention and treatment are the main.” “Now completely normal.” “Therefore, the brain and muscles, most sensitive to energy supply, are particularly vulnerable.” “Exercise intolerance, paroxysmal muscle weakness, and muscle soreness are other denominations when mitochondrial myopathy is suspected as the underlying cause.” “Generally, the disease presents with a chronic course, with a few subjects suffer from severe mitochondrial myopathy, characterized by acute muscle pain, palpitation, dyspnea, limb weakness, and lactic acidosis.” “The sepsis patient, increased ROS generation, hormonal changes and altered mitochondrial gene transcription significantly affected mitochondrial function.” “The third-party and the family history with recurrent fatigue and weakness after exercise in the patient and established or



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suspected (mitochondrial) myopathy in other family members confirmed the clinical suspicion." "Its diagnosis includes..." ".....and can also modulate immune" 2. Chinese medicine (invigorating the spleen, supplementing qi, removing dampness, promoting blood circulation and removing blood stasis) is also effective. Please give reference. 3. "in critical condition due to sepsis, with hyperlaccidaemia.." Please replace it with hyperlactatemia. 4. Full forms for many acronyms are missing eg MELAS. Full forms should be mentioned first with acronyms in the brackets. 5. Figure legends for figure 2 are very long. The detailed description of the figure should be given in the text, not in the legend 6. Table 3 does not add anything new to the case report and hence may be omitted.



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Reviewer's code: 03818459

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Portugal

Author's Country/Territory: China

Manuscript submission date: 2023-05-27

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-06-08 11:23

Reviewer performed review: 2023-06-11 11:52

Review time: 3 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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 statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors present a well-done work on a rare and complex clinical case. However, after the complete recovery of the patient (after such 6 months) what is the therapeutic proposal and the socio-professional lifestyle that the authors propose for this patient