

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 83819

Title: Isolated lateral leg compartment syndrome: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04393524

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor, Doctor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: Saudi Arabia

Manuscript submission date: 2023-02-10

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-08 03:48

Reviewer performed review: 2023-03-15 03:37

Review time: 6 Days and 23 Hours

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 Grade E: Do not publish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 type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Good <input checked="" 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 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
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

This case report was somewhat logically organized. But it should be suitable for publication once the following questions are addressed. 1. Cast presentation: On physical examination, please describe additionally whether multiple bullae were not seen in the lateral compartment skin. For readers understand, please add clinical photos during surgery. 2. Discussion A confirm diagnosis of compartment syndrome is known by compartment pressure measurement. The authors described that they did not measure the compartment pressure because they diagnosed compartment syndrome with MRI images and clinical picture, but this part is judged to cause confusion to the reader. Please describe the limitations by adding the above to the limitations of this paper. In acute compartment syndrome, it is known that irreversible changes occur in muscles after 6 hours and irreversible changes occur in nerves after 8-12 hours. In this case, the diagnosis of compartment syndrome was made after one day and surgical treatment was performed, but it was described that the patient was recovered completely without any deficiencies in the muscles and nerves. Please explain the reason for this additionally in the discussion.

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Title: Isolated lateral leg compartment syndrome: A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05680882

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: Saudi Arabia

Manuscript submission date: 2023-02-10

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-03-20 13:23

Reviewer performed review: 2023-03-28 14:51

Review time: 8 Days and 1 Hour

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
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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 content of the article is good. It flows well and is written in a manner that describes the issue very well. In the Literature Review & Discussion section there are some statements most specifically in the fifth paragraph that states that none of the cases included show any history of trauma or direct injury that I feel could probably use some notation to the articles that are being referenced there.