

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 68328

**Title:** Early acute fat embolism syndrome caused by femoral fracture: A case report

**Reviewer's code:** 05429607

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Academic Fellow, Doctor

**Reviewer's Country/Territory:** Lithuania

**Author's Country/Territory:** China

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**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-05-20 12:33

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**Review time:** 5 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

Dear Authors, First of all, thank you for submitting your manuscript to the World Journal of Clinical Cases. This is a nicely written case report about a rare and well-known complication after bone fractures. It is, however, an important issue and I can see the potential of how this article could be improved to make it more valuable and publishable. 1 In the discussion part, you should put accents on what was extraordinary and challenging in your case. 2 If your goal is to remind the readers about this syndrome, you should think of a more illustrative way in the discussion part: maybe provide a small algorithm or a table with the most important signs and management options. As you stated that young frontline doctors on duty in emergency and orthopedics departments should suspect FES in such cases, you may help them by providing a flow chart and reminding basic criteria (you can cite Guard's criterion and show which of them your patient had). 3 The conclusion part in the abstract is too long. It must be 20 words and provide the most important message. 4 You stated that there are only a few cases that have occurred within 12 hours after injury – you may provide a table with the highlights from those cases. This would add more scientific value to your case report. 5 Some language polishing needed: several articles and commas are missing, some grammar mistakes. 6 Please provide DOI and PMID in the reference part.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 68328

**Title:** Early acute fat embolism syndrome caused by femoral fracture: A case report

**Reviewer's code:** 06060109

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**Author's Country/Territory:** China

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<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

In this case report, Jia Yang et al. describe a rare case of early onset fat embolism syndrome. Globally, the paper is well written and clear, although needlessly long. Some sections (such as the section "Treatment" on page 6) could be shortened. I only have a few comments to the authors:

1° On page 8, first paragraph: "Fat cells may also enter the arterial circulation via a patent foramen ovale or directly through the pulmonary capillary bed, causing the characteristic neurological and dermatologic findings of FES." Can the authors provide the source/reference about the possibility of a direct passage of fat cells in the arterial circulation through the pulmonary capillary bed?

2° Why was not a brain MRI performed to better investigate the origin of the neurological symptoms (loss of consciousness)

3° There are a few punctuations errors that need to be corrected:

- on page 3, paragraph 1: "Fat embolism syndrome (FES) is a rare disease characterized by respiratory distress, cerebral neurological symptoms and rash, and is a serious threat to human life and health." it could be better to add a comma after "rash".
- on page 3, last paragraph: "No obvious abnormality was found on head and chest physical examination, and the results of the physical examination was consistent with femoral fracture. After admission, laboratory examinations (Tab) were performed, fluids and pain relief were provided, and the patient was prepared for left tibial tubercle bone traction treatment.", there is a comma missing after "were performed".
- on page 6, paragraph 1: "Unfortunately, within 30 mins of the patient being hospitalized, that is, approximately two and a half hours after the injury, the patient's consciousness gradually changed from awake to confused and poor.", please remove the comma after "that is".