

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Orthopedics*

**Manuscript NO:** 82306

**Title:** Spinal fusion is an aerosol generating procedure

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03117998

**Position:** Editorial Board

**Academic degree:** MBBS, MD

**Professional title:** Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2023-01-23

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-01-23 06:16

**Reviewer performed review:** 2023-01-24 17:33

**Review time:** 1 Day and 11 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 Grade E: Do not publish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

<b>Scientific significance of the conclusion in this manuscript</b>	<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 scientific significance
<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 type="checkbox"/> Yes <input checked="" 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

The authors did a study of aerosol generation and particle size during posterior spinal instrumentations. Though the concept of aerosol generation and study seems logical, and article is written well, few concerns about the practicability of the study implications. most of the orthopedic surgeons use facemask with large shield covering eyes as well during this type of procedures. The universal precautions of safety from SARS-Co-V like wearing a N95 procedures during all aerosol generating procedures can be applied here.

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**Professional title:** Doctor

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

**Author's Country/Territory:** United States

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**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2023-01-25 05:32

**Reviewer performed review:** 2023-01-25 05:45

**Review time:** 1 Hour

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none