

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 72463

Title: Evolution of evidence in spinal surgery – past, present and future scientometric analysis of randomized controlled trials in spinal surgery

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05827506

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2021-10-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-21 03:00

Reviewer performed review: 2021-10-21 03:53

Review time: 1 Hour

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 Grade E: Do not publish
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
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SPECIFIC COMMENTS TO AUTHORS

This is an investigation on the development of spinal clinical researches in the past 3 decades. The manuscript is relatively well-written and referable results were achieved. There are some issues for the authors to address. 1. In Figure 1, “timespan” was 1990-2021, which is contradictory to the description of “1990-2019” in other sections. Please explain. 2. The rationals of database selection in the method and limitation were not convincing, because it is common sense that the combination of databases would result in maximum results of interest. I am afraid the WoS search alone is not enough and this step should be improved in case of missing out potential studies. 3. In many parts of the manuscript, South Korean was categorized a developing country. In fact, South Korean is a developed country. 4. Research Topics & Emerging Trends, the pearl of your study, in the discussion is not adequately discussed. I believe the take home message of your article for readers is what specific changes the spine RCTs have experienced in last 30y. It would be better if this is expanded in a PICO (patient, intervention, comparison, outcome) fashion.

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Peer-review model: Single blind

Reviewer's code: 03442364

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2021-10-17

Reviewer chosen by: Xin Liu

Reviewer accepted review: 2022-01-02 12:41

Reviewer performed review: 2022-01-02 12:45

Review time: 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
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="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

This is an interesting and meaningful study, and I recommend accept.

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Peer-review model: Single blind

Reviewer's code: 05198253

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Chief Doctor, Doctor, Research Scientist

Reviewer's Country/Territory: China

Author's Country/Territory: India

Manuscript submission date: 2021-10-17

Reviewer chosen by: Xin Liu

Reviewer accepted review: 2022-01-03 02:59

Reviewer performed review: 2022-01-05 16:00

Review time: 2 Days and 13 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
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
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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

Thanks for inviting me to review this study. Generally, it was acceptable after minor revision. 1. The methodology is written too simply, and it is recommended that the methodological description of the article be improved by referring to the literature (Structure and trends of international sport nutrition research between 2000 and 2018: bibliometric mapping of sport nutrition science.). 2. The Figures should be higher resolution, many words are not clear. 3. The authors should highlight the main results while appropriately reducing the overall presentation of the content in figures. 4. Figure legends were too abbreviated, more explanations and details are needed to make it easier for readers. 5. It would be better to add a perspective section including reasonable expectations and predictions for spine RCT studies in conjunction with current cutting-edge research.

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Peer-review model: Single blind

Reviewer's code: 03517850

Position: Peer Reviewer

Academic degree: FRCS (Ed), MD

Professional title: Surgeon

Reviewer's Country/Territory: United States

Author's Country/Territory: India

Manuscript submission date: 2021-10-17

Reviewer chosen by: Xin Liu

Reviewer accepted review: 2022-01-03 00:47

Reviewer performed review: 2022-01-07 15:19

Review time: 4 Days and 14 Hours

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
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
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SPECIFIC COMMENTS TO AUTHORS

Interesting, well written paper