

## PEER-REVIEW REPORT

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

**Manuscript NO:** 57294

**Title:** Long-term effect of intrathecal baclofen treatment on bone health and body composition after spinal cord injury: A case matched report

**Reviewer's code:** 03372021

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2020-06-02

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-06-03 01:05

**Reviewer performed review:** 2020-06-14 16:07

**Review time:** 11 Days and 15 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

The causes of spinal cord injury (SCI) are different. Falling at high altitude, traffic accidents, mining accidents, and sports accidents can cause SCI. Due to the increasing number of patients with SCI, it has brought a lot of social problems. Spinal cord injury (SCI) interrupts the connection between the brain and peripheral organs, leading to paraplegia or quadriplegia. In addition, SCI is prone to complications, such as pressure ulcers, contractures, muscle atrophy, and psychological depression, which seriously affect the quality of life. Among them, contractures bring more significant inconvenience and pain to patients. In response to this problem, a large number of studies have reported the efficacy of baclofen treatment (IBT) in relieving severe spasticity symptoms and improving the quality of life after SCI. However, in recent years, there have also been reports showing that IBT brings some side effects. In order to further study the impact of long-term intrathecal injection of IBT on human bone and other components, a comparative analysis was conducted. This work has a certain significance for the exploration of the impact of long-term intrathecal injection of IBT on human bone and other components. However, there is still room for improvement in this study. The authors should address some issues. 1. In the Introduction part of the abstract, IBT has a long-term effect on bone mineral content (BMC), bone mineral density (BMD), and body composition. Please specify which body composition. 2. Please supplement the treatment process of participants and matched participants to avoid bone health and body composition affected by other factors. 3. It is recommended to replace Case Match 1 because of age and time since injury. 4. The article should carry out a more in-depth description of each part. 5. The language logic of this paper needs to be further strengthened, and the parts of the article are closely linked. 6. Some references cited in the article are outdated and should refer to some new articles to show the latest research



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results for readers.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

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**Professional title:** Professor

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

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

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**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2020-08-07 22:45

**Reviewer performed review:** 2020-08-07 23:08

**Review time:** 1 Hour

<b>Scientific quality</b>	[ <input checked="" type="radio"/> ] Grade A: Excellent [ <input type="radio"/> ] Grade B: Very good [ <input type="radio"/> ] Grade C: Good [ <input type="radio"/> ] Grade D: Fair [ <input type="radio"/> ] Grade E: Do not publish
<b>Language quality</b>	[ <input checked="" type="radio"/> ] Grade A: Priority publishing [ <input type="radio"/> ] Grade B: Minor language polishing [ <input type="radio"/> ] Grade C: A great deal of language polishing [ <input type="radio"/> ] Grade D: Rejection
<b>Conclusion</b>	[ <input checked="" type="radio"/> ] Accept (High priority) [ <input type="radio"/> ] Accept (General priority) [ <input type="radio"/> ] Minor revision [ <input type="radio"/> ] Major revision [ <input type="radio"/> ] Rejection
<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No

## SPECIFIC COMMENTS TO AUTHORS



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Accept as is.