

PEER-REVIEW REPORT 1

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-18-00560

Title: Research progress of peripheral nerve injury and repair

Reviewer's Name: Jinghui Huang

Reviewer's country: China

Date sent for review: 2018-08-14

Date reviewed: 2018-08-15

Review time: 1 Day

1. Do you consider this paper is hotspots or important areas in the research field related to neural regeneration?

yes

2. Which area do you think this paper falls into? Neurorepair, neuroprotection, neuroregeneration or neuroplasticity.

neurorepair

3. Is the manuscript technically sound, and do the data support the conclusions?

yes

4. Has the statistical analysis been performed appropriately and rigorously?

yes

5. Is the manuscript presented in an intelligible fashion and written in Standard English?

overall, the manuscript presented professionally except for some misspelling

6. Your peer review comments will be published as an open peer review report. Do you agree to have your name included with the published article?

Yes

Manuscript Rating Question(s):	Scale	Rating
The subject addressed in this article is worthy of investigation.	[1-3]	3
The information presented was new.	[1-5]	4
The conclusions were supported by the data.	[1-10]	8

COMMENTS TO AUTHORS

In this review, the author introduced the research progress of peripheral nerve injury and repair. Overall, this review includes the major methods of peripheral nerve repair and the fundamental elements of peripheral nervous tissue engineering, especially some successful nerve conduits are introduced which may give researchers of this field a holistic view about the current research and clinical application progress of peripheral nerve injury and repair. Though the weakness of this review is that the major defects of the current peripheral nerve repair methods and products are not introduced in this review; because only we recognized the drawbacks of our research and products clearly, can we develop useful methods and products exactly. So, the author should add some thought about it.

As we all known, peripheral nerve injury and repair is a big problem to doctors, for its high morbidity and disability rate. In this review, the author introduced the research progress of peripheral nerve injury and repair. Overall, this review includes the major methods of peripheral nerve repair and the fundamental elements of peripheral nervous tissue engineering, especially some successful nerve conduits are introduced.

I have some questions about this review:

first, research about peripheral nerve injury and repair has been deeply investigated and developed many efficient products; so, what are the most important drawbacks of these major nerve repair methods and products? can you introduce some major limits about the current conduit which you mentioned in the review? And what is your thought about it?
second, can you introduce the trend and focus of peripheral nerve injury and repair research in the nearly future in your review?