Reviewer's report

Title: Electro-acupuncture on functional peripheral nerve regeneration in mice: a behavioural study

Version: 1 Date: 5 April 2012

Reviewer: Peng Li

Reviewer's report:

This is an interesting article to show that low current and low frequency electroacupuncture at GB 30 and GB34 for 15 min for four times can improve recovery of motor function and alleviate pain-related behavior after sciatic nerve crush. This article has clinical significance. However, several issues should be modified before accept for publication,

1. Fig.1. The Y-axis is threshold. How to understand after EA the threshold is higher than the control group? The threshold higher means less sensitive?

2. Fig.2 The Y-axis is latency. How to understand after EA the latency is longer than the control group? Is this group becomes less sensitive?

3. Why no control acupoints? If you choose two acupoints distal too crush side or two acupoints rostral to crush side, what is the results?

4. The discussion is too long. Several sentences are repeated. This article did not test any neurotransmitters. You have no need to discuss so much for neurotransmitters. The fi. is by imagination. No need to present in this article.

5. P. 5 last 2nd prag. According to (20), This should write out the first authors.'s name and use (20). In some other place you also have this problem.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

'I declare that I have no competing interests.