

Dear Editor and reviewers,

We would like to thank the editor for giving us a chance to resubmit the paper, and also thank the reviewers for giving us constructive suggestions which would help us both in English and in depth to improve the quality of the paper. Here we made a lot of revisions to the valuable suggestions and questions. We have tried our best to improve and made some changes in the manuscript. The yellow part that has been revised according to your comments. Revision notes, point-to-point, are given as follows:

NO.	Comments	Response
To reviewer 1		
NO.1	<i>This single case report did not prove the effect of electroacupuncture.</i>	Thank you for your important comment. According to the suggestion, we have supplemented possible mechanisms of electroacupuncture for PS.
NO.2	<i>Other therapy for PS should be discussed.</i>	We totally agree with your professional suggestions. The general treatments of PS, including Parkinson's drug revision and adjustment, pharmacological, non-pharmacological, and surgical strategies[1] have already been pointed out. We supplemented the current clinical role of botulinum toxin injections, deep brain stimulation (DBS) and spinal realignment surgery in detailed. We revised the discussion section carefully in the manuscript as following: Line 180—185, Line 187—192 highlighted by blue words.
NO.3	<i>The reason why author selected the electroacupucutre for these points should be reasonably explained.</i>	Thank you very much for your professional suggestion. We totally agree with your suggestions which are of great help to improve the quality of our manuscript. The reason why we selected the electroacupuncture following: ① Electroacupuncture was confirmed that can activates neuron[1] , Parkinson Disease(PD) is attributed to selective loss of neurons in the substantia nigra[2]. Therefore, we reasonably infer that electroacupuncture may have therapeutic effect on the PD by activating neuron . ② Researchers proved that electroacupuncture have clinically significant treatment effect on disability associated with chronic low back pain[3]. PS refers a kind of disability secondary to PD, electroacupuncture should have clinically effect as well. ③ α -synuclein plays critical roles in PD pathogenesis[4]. Researchers investigated the effect of electroacupuncture on abnormal neurochemical changes and motor symptoms in a mouse neurodegenerative disease model, concluding that

		<p>electroacupuncture can enhance both anti-inflammatory and antioxidant activities, suppresses aberrant glial activation in the diseased sites of brains and possesses the ability to ameliorate mutant α-synuclein-induced motor abnormalities[5].</p> <p>We revised the discussion section carefully in the manuscript as following: Line 209—216, highlighted by blue words.</p>
To reviewer 2		
NO.1	<i>The manuscript needs minor language polishing.</i>	<p>We apologize for the poor language of our manuscript. We worked on the manuscript for a long time and the repeated addition and removal of sentences and sections obviously led to poor readability. We have now worked on both language and readability and have also involved native English speakers for language corrections. We really hope that the flow and language level have been substantially improved.</p>
NO.2	<i>We suggest the authors to include more references and further elaborate on the discussion part.</i>	<p>Thank you for your constructive suggestion. As suggested, we added more references about treatment of PS, possible mechanisms of electro-acupuncture and further elaboration on the discussion part. The revised part is referred to line 209—216, highlighted by blue words.</p>
NO.3	<i>Mistakes that need attention: Line 59 –please correct “in one month3532 ” Line 69-70 - write the active substance, not the commercial name of the drug Line 101 – grammar error.</i>	<p>We apologize for the mistake and grammar error, we have already corrected the mistakes. We revised the discussion section carefully in the manuscript as following:</p> <ul style="list-style-type: none"> ① Line 83 ② Line 94-95 ③ Line 125-127
<p>To editor</p> <p>Thank you for giving us the opportunity to re-submit the manuscript, we have made changes to the format and content of the manuscript as required. We uploaded a total of 3 attachments: a revised manuscript, a reply letter,</p>		

Reference

- [1] P. Barone, G. Santangelo, M. Amboni, M.T. Pellecchia, C. Vitale, Pisa syndrome in Parkinson's disease and parkinsonism: clinical features, pathophysiology, and treatment, *The Lancet Neurology* 15(10) (2016) 1063-1074.
- [2] Samii, Ali , J. G. Nutt , and B. R. Ransom . "Parkinson's disease. " *Lancet* 363.9423(2004):1783-1793.
- [3] J.T. Kong, C. Puetz, L. Tian, I. Haynes, E. Lee, R.S. Stafford, R. Manber, S. Mackey, Effect of Electroacupuncture vs Sham Treatment on Change in Pain Severity Among Adults With Chronic

Low Back Pain: A Randomized Clinical Trial, JAMA Netw Open 3(10) (2020) e2022787.

[4] A. Atik, T. Stewart, J. Zhang, Alpha-Synuclein as a Biomarker for Parkinson's Disease, Brain Pathol. 26(3) (2016) 410-8.

[5] J. Deng, E. Lv, J. Yang, X. Gong, W. Zhang, X. Liang, J. Wang, J. Jia, X. Wang, Electroacupuncture remediates glial dysfunction and ameliorates neurodegeneration in the astrocytic alpha-synuclein mutant mouse model, J. Neuroinflammation 12 (2015) 103.

We have tried our best to improve the manuscript and made some change in the manuscript. We have marked these changes in red in the revised paper.

We appreciate for the warm work of dear editor and reviewer earnestly, and hope that we have fully addressed the questions and comments satisfactorily and the revised version could meet with approval.

With kindest regards,

Yours Sincerely

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