# AUTHORS RESPONSES TO THE EDITOR-IN-CHIEF AND REVIEWERS

| **Editor' comments** | **Response** |
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| First of all, thank you for submitting your manuscript to the World Journal of Stomatology. Secondly, please be sure to follow all the steps below to modify the proposed manuscript. | Done |
| **Reviewer # 1 comments** | **Response** |
| This is a difficult paper to review. There are no page #s. | Line and page numbers have now been added in the revised version of the manuscript. |
| Both figures would be strengthened by a legend outlining what is described in the figures. | Legend has been added for both figures. |
| There are considerable language issues. For example: “Through a complex cell signaling processes, SCs and regenerating axon reunited in a symbiosis and nerve regeneration takes place”. | The sentence had been re-edited to be clearer and in addition, our colleague and co-author based in England (DR. Ben Scheven) revised the manuscript for typos and grammatical errors. |
| DPSCs were successfully differentiated, under appropriate condition, into SCs and acquire both neuronal morphology and function. Are the authors suggesting DPSCs differentiate into both neurons and SC? | It was already established that DPSCs were induced to differentiate into Schwann cells, which is characterized by Schwann cell marker expression and neurotrophic factor secretion. Moreover, they are able to secrete a range of neurotrophic factors such as VEGF, CNTF, BDNF, GDNF and NGF. These properties together with their availability make DPSCs a promising tool in CBT for PNI. |
| Mechanisms of Peripheral Nerve Repair contain a section on physiologic nerve repair and treatment methods thus the title of this section should be adjusted to reflect this. | The title was modified in the revised version of the manuscript. |
| Stem cells are a group of undifferentiated cells possess the capacity to self-renew and differentiate into several cell lineages. These cells have been isolated from different tissues, including neural tissue, bone, retina, skin and teeth. What kind of stem cells are these? Do the authors mean bo.ne marrow? | Adult stem cells in general can be isolated from different tissues such as neural tissue, bone, retina, skin and teeth. |
| The latter portion of the paper deals with secretomes. The paper would be strengthened with a table or figure outlining what they consist of. | An Organization chart (Fig. 3) and a horizontal bullet list (Fig. 4) were added in the revised version. |
| The tables are well organized and presented | Done |
| **Reviewer # 2 comments** | **Response** |
| The title, abstract and keywords reflect the content of the manuscript. The presented review reflects various aspects of peripheral nerve regeneration. In the literature review, different variants of cell therapy for nerve | Done. |

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| damage are considered. The positive and negative aspects of the application of various cellular products are reflected, as well as the application of cell-free cell therapy based on the injection of stem cell secretion products. It is indicated that dental pulp stem cells are a promising cellular product for stimulating nerve regeneration, since they share a similar origin with Schwann cells and express a number of neural markers. In the literature review, the results of the PubMed database analysis on the use of DPSCs for regeneration stimulation are given. | |
| **Reviewer # 3 comments** | **Response** |
| 1. There are some spelling / grammar / formatting errors in the current version of the manuscript. Please correct them carefully. | The authors appreciate the great efforts for the anonymous reviewer in correcting the spelling / grammar / formatting errors. In addition, our colleague and co-author based in England (DR. Ben Scheven) revised the manuscript for typos and grammatical errors. |
| 2. Abstract: Please provide a clear hypothesis to be noted in this review in this section of the manuscript. | The hypothesis was added at the end of the abstract section. |
| 3. In this article: A literature search was performed at September 2018 in the PUBMED database. The following keywords were used; dental pulp stem cells [Title/Abstract] AND nerve repair [Title/Abstract] that retrieved 6 results and searching with the following keywords dental pulp stem cells [Title/Abstract] AND nerve regeneration [Title/Abstract] retrieved 12 results. (Is this a survey of the articles in which your article's title or an article to review the new in the Dental pulp stem cells and nerve repair? If it is a survey of previous articles, it is best to change the title of your article). | This is a survey about the new published articles investing the *in-vivo* and *in-vitro* effects of DPSCs (cell based therapy) and their conditioned media (cell free therapy) on nerve repair/ regeneration. |
| 4. What are the disadvantages or side effects of this novel therapy? | A paragraph about The possible side effects was added at the end of the revised manuscript. |
| 5. The similarities (plagiarism) of this article with others reach to 26% and this percentage considered as high and not acceptable. | Turnitin program for plagiarism was used and the ratio was reduced extensively. |