



SDI Review Form 1.6

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_45082
Title of the Manuscript:	Experimental Periodontitis Does Not Influence The Peripheral Nerve Regeneration In Wistar Rats After Axonotmesis
Type of the Article	Original Research Papers

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>This is an interesting study, but the model chosen for extrapolating the results is questionable and perhaps not ideal.</p> <p>The literature shows that the apex of the local inflammatory process in periodontal disease induced by ligature and, without the inoculation of periodontopathogens in rats, is around the 14th day. On the 30th day, regression of the inflammatory process is observed, perhaps due to the distance of the ligature and the periodontal tissues caused by the bone loss in the previous days, with bone loss stagnation around the 42nd day.</p> <p>In addition, it has been well evidenced in previous studies of induction of periodontal disease in rats by ligature alone, that this model is acceptable to elucidate only early phenomena related to the inflammatory process, for extrapolation to the human model. In acutely induced and localized disease in rats, there is no time for the formation of a lymphoplasmacytic infiltrates capable of promoting immunopathological effects locally and therefore/probably systemically.</p> <p>In addition, it is observed in humans that the pro-inflammatory biomarkers usually related to various disorders or systemic diseases come from severe and generalized periodontitis.</p> <p>The current study promoted the induction of "periodontitis" in rats in a localized manner and did not analyze the histopathological characteristics of the tissues affected by the inflammation. Nor it has dosed cytokines or any other systemic biomarkers and therefore cannot reach the conclusions it has reached. It was compared only the degree of insertion loss in the period of 30 days after the ligature with nerve damage. However, the evaluation of insertion loss alone is not the best way to evaluate the inflammatory components that may contribute to the neural damage. It is only an indicator of previous history of alveolar bone loss.</p>	<p>Thank you for your comments.</p> <p>The protocol of induction of periodontitis experimental was based in many others manuscripts and the protocol showed the efficacy of the method.</p> <p>- MATTIA T M. LEITE MA. NASSAR PO. SCHNEIDER SCS. MALLER ACPA. PANDINI JH. CARDOSO N. MARCHIORI V. BRANCALHÃO RMC. NASSAR CA. The influence of obesity induced by monosodium glutamate in periodontal tissues of female Wistar rats with experimental periodontitis. Am Int J Contemp Res 2017; 7;28-40.</p> <p>- NASCIMENTO CM. CASSOL T. SILVA FS. BONFLEUR ML. NASSAR CA. NASSAR PO. Radiographic evaluation of the effect of obesity on alveolar bone in rats with ligadure-induced periodontal disease. Diab Met Syndr Obes Targets and Therapy 2013; 6;365-370</p> <p>- NASSAR PO. NASSAR CA. GUIMARÃES MR. AQUINO SG. ANDIA DC. MUSCARA MN. SPOLIDORIO DM. ROSSA CJR. SPOLIDORIO LC. Simvastatin therapy in cyclosporine A-induced alveolar bone loss in rats. J Periodontal Res 2009; 44; 479-488</p> <p>- PEDROTTI S. NASSAR PO. SCHNEIDER SCS. COSTA K. BEU CCL. NASSAR CA . Evaluation of the Influence of Experimental Periodontitis on the Sexual Behaviour of Male Wistar Rats. Brit J Med Med Res 2016; 15; 1-8.</p> <p>- LEITE MA, MATTIA TM, KAKIHATA CMM, BORTOLINI BM, RODRIGUES PHC, BERTOLINI G RF, BRANCALHÃO RMC, RIBEIRO LFC, NASSAR CA, NASSAR PO. O. Experimental periodontitis in the potentialization of the effects of immobilism in the skeletal striated muscle. Inflam. 2017; 40; 2000-2011.</p> <p>The term "Periodontal Disease" was substituted for "Periodontitis". The text was altered.</p> <p>In the tables the means between the groups, with or without periodontitis and with or without nerve injury, are demonstrated, so a comparison can be made</p>



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		<p>between the results based on these control and experimental groups.</p> <p>The text was altered to specify the number protocol given by the Ethics committee.</p>
Minor REVISION comments	<p>English language revision. There are lots of grammar mistakes along the text as missing articles or verbs forms that do not agree with the subject. We strongly recommend professional English's revision;</p> <p>The authors should review the references because some of them are out of order according to the citations;</p> <p>Further detail the section "material and methods", such as the ligation procedure. Would ligature alone, in addition to plaque accumulation, lead to tissue trauma and consequent bone loss depending on the way that it was positioned?</p> <p>When citing the term "periodontal disease (PD)" it is important to remember that there is a classification of periodontal diseases with several categories. Not all of them lead to the destruction of the supporting tissues of the teeth. I would suggest specifying the disease as Periodontitis;</p> <p>It is important to show in the tables the initial average (before induction of insertion loss) of the distance between the alveolar bone crest and the enamel cement junction of the teeth evaluated in the groups with induced periodontal disease;</p> <p>I suggest specify the number protocol given by the Ethics committee.</p>	
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> <p>I suggest specify the number protocol given by the Ethics committee.</p>	<p>The text was altered to specify the number protocol given by the Ethics committee.</p>



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As per the guideline of editorial office we have followed VANCOUVER reference style for our paper.

Kindly see the following link:

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