

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_79170
Title of the Manuscript:	Evaluation of anti-inflammatory and antioxidant effect of punicalagin (Pomegranate Extract) on IL-1 beta and superoxide dismutase levels in patients with chronic periodontitis – A Randomized Controlled Trial
Type of the Article	Original Research Article

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:

(<https://www.journaljpri.com/index.php/JPRI/editorial-policy>)

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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 to test the potential therapeutic effects of the punicalagin gel in chronic periodontitis. However, the manuscript needs many improvement to be accepted for publication. Some critiques are listed below:</p> <p>English needs to be improved. For instance: Title: "effects" instead of "effect" Abstract: "properties" instead of "property", "parameters" instead of "paramaters", "Superoxide" instead of "SuperOxiade" Keywords: add "chronic periodontitis" Patient numbers: it was claimed that there were 30 patients in the Abstract; however, in the Material and Methods, there were two group and each group had 30 patients, making the total number of patients to 60, please clarify. IL-1 and SOD levels: how tissue were collected and prepared for these measurements needs to be provided in the Material and Method section. Tables should be cited in the appropriate places of the Results section. Table 2: The results from both groups should be provided and compared. Figures should be described in the Results section.</p>	<p>English has been improved and the correction of words indicated by the reviewer has been aptly replaced.</p> <p>Chronic periodontitis has been added in the key words.</p> <p>Clarification for 30 patients in materials and methods: 30 patients are included in this study. This is a split mouth study. Control site and test site are taken from the same patient which accounts for 30 control sites and 30 test sites respectively. So it is actually 60 sites(not 60 patients) from 30 patients.</p> <p>IL-1 beta and SOD levels were seen in GCF samples and GCF was collected by microcapillary glass. The sentence has been added in the manuscript.</p> <p>Table 2: The results from both groups should be provided and compared: Table 2 represents the indices taken in the patient. Since both the groups (Group I and Group II) are from same patients, Indices are represented commonly. It cannot be prepared for Group I and Group II separately since it is from same patient.</p> <p>Figures should be described in the Results section: Since there are no pictures involving the result section, Figures are added in the Materials and methods and in Statistical section.</p>
Minor REVISION comments		
Optional/General comments		<p>I would like to thank the reviewer for his/her kind review of my manuscript. I am grateful for his/her review as it will improve the standard of my manuscript for publication in this well esteemed journal.</p> <p>This is my dissertation topic and this has been submitted as a repository in TN Dr.M.G.R medical university.</p>

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PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i> There are no ethical issues in this manuscript.	