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| Journal Name: | [**Journal of Advances in Medicine and Medical Research**](https://journaljammr.com/index.php/JAMMR) |
| Manuscript Number: | **Ms\_JAMMR\_132845** |
| Title of the Manuscript: | **Influence of dentoalveolar trauma and orthodontic forces on dentin pulp complex – experimental study in rats** |
| Type of the Article | **Original Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The study is essential considering the relative absence of literature in the field to corelate dentoalveolar trauma with orthodontic forces. The study provides an in-depth understanding of histologic changes that occur in the pulp-dentin complex when different types of orthodontic forces and applied on traumatic teeth. The study has significant clinical relevance. Gives a good co-relation between endodontic outcomes due to orthodontic forces.** | Thank you for your comments about the manuscript. Our aim with this kind of research was to explain the biological process about orthodontic treatment in order to influence the patient care during the treatment. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **yes** | Thank you. We have tried to make the tittle as clear as possible. |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Methodology can be made more concise. Mention the statistical tests used in methodology section of abstract** | Thank you for your comment. The statistical tests were added in the abstract section to make it more concise. |
| Is the manuscript scientifically, correct? Please write here. | **Yes. The p value of some findings (eg, internal resorption, p = 0.058) was very close to 0.05, I would advise the authors to include a sentence of how the results need to be interpreted with caution due to this. Also, forces were applied only 15 days after trauma induction. The results could vary if the trauma was more chronic.** | Thank you for your comment. It was corrected at the end of item 4.4 (Histological alterations). |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes** | Thank you for your comment. As you mentioned above, this study is essential considering the relative absence of literature in this field to correlate dentoalveolar trauma with orthodontic forces and even the dentin pulp complex. It was a challenging research. Thus, our aim was to contribute the literature in order to enrich and stimulate new researches about this important topic. |
| Is the language/English quality of the article suitable for scholarly communications? | **Some grammar errors can be seen- for example, introduction of section 2.2 of methodology – “Thus, 48 male Wistar rats (*Rattus norvegicus albinus…”* looks incorrect.**  **Several areas in discussion section of the article can be made concise.**  **Overall, a grammar check is required prior to final submission.** | Thank you for your correction. The text was checked, and some parts were modified. All the modifications have been highlighted in this manuscript. |
| Optional/General comments |  |  |

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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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |