

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Dental Sciences</b>
Manuscript Number:	<b>Ms_AJDS_110967</b>
Title of the Manuscript:	<b>Evaluation of Dental Dimensions and Malocclusion Phenotypes – A Study in a Brazilian Population</b>
Type of the Article	<b>Original Research Article</b>

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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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The study seems to be contributing for Brazilian orthodontist community as variation in dental morphology among various skeletal malrelations may affect the formulation of orthodontic treatment planning. However, it is to be noted that the results of this study are applicable only for Brazilian population and can not be generalized to other ethnic races.</p> <p>Please consider this title “ Correlating dental dimensions and malocclusion phenotypes in Brazilian population : A retrospective study”</p> <p>Yes. However, it can be further refined</p> <p>Yes</p> <p>Yes. However, the figure/picture of measurements done on study model can be added.</p> <p>Yes. However, grammar is grossly wrong. The first letter of author’s name should be in capital letter. Eg : lombardo g (wrong); Lombardo G (correct)</p> <ol style="list-style-type: none"> <li>Why records only from 2016-2018 were taken into consideration ? Why not upto 2023?</li> <li>Sample characteristics not mentioned – age range for entire sample , gender distribution and age range for respective gender ?</li> <li>Lateral cephalogram were traced by two operators and evaluation was done by single examiner ? Please elaborate on methodology section.</li> <li>Sample size calculation needs to be done?</li> <li>In Table 1-3, only mean, SD and p value required. Other parameters such as 25, 75 percentile and median not required. May be omitted</li> <li>In the result section, no correlation between dental proportions and skeletal sagittal malocclusion mentioned. Only correlation with maxilla and mandible highlighted .</li> <li>Orthodontic implications needs to be highlighted?</li> <li>The role of Boltons discrepancy needs to be highlighted?</li> <li>Butler’s field theory not highlighted at all ?</li> <li>Null hypothesis not mentioned ?</li> <li>Discussion section needs to be elaborated. It is too short ?</li> <li>If possible add graphical representation of data as well for better understanding of readers?</li> <li>Conclusion needs to be elaborated. Provide conclusion in different points as association or non association of dental measurements with specific skeletal malocclusion?</li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Suitable but needs to be improved. Grammatical mistakes needs to be corrected.</p>	

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<b>Optional/General</b> comments	Please correct the grammar in manuscript. Use scientific sentences. Few articles published in standard orthodontic journal may be referred to.	
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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