

## Review Form 1.6

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| Journal Name:            | <a href="#">Journal of Pharmaceutical Research International</a>   |
| Manuscript Number:       | Ms_JPRI_81846  |
| Title of the Manuscript: | PREVALENCE OF CLINICALLY MISSING PERMANENT TEETH AMONG PATIENTS BETWEEN 8-17 AGE GROUP VISITING A PRIVATE DENTAL HOSPITAL - AN INSTITUTIONAL STUDY |
| Type of the 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**

|                                     | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
|-------------------------------------|--|--|
| <b>Compulsory</b> REVISION comments | <p>Title is little misleading as missing teeth usually points to congenitally missing teeth and since you are also considering other factors like caries and trauma so it should be clarified in the title itself. It could be rewritten as ;</p> <p><b>PREVALENCE OF CLINICALLY MISSING PERMANENT TEETH DUE TO AGENESIS AND SECONDARY FACTORS AMONG PATIENTS BETWEEN 8-17 AGE GROUP VISITING A PRIVATE DENTAL HOSPITAL - AN INSTITUTIONAL STUDY</b></p> <p><b>Introduction</b> needs thorough revision it in terms of Scientific, Technical and English language editing.</p> <p>For eg. Mention about missing teeth and their effects in general, followed by various causes of missing teeth like congenitally missing teeth, and secondary factors like caries and trauma.</p> <p>The following lines should be delved upon in detail and with suitable references. The given references(10 -21) do not discuss the relation between oral cancer and missing teeth.</p> <p><i>“There have been studies which show a strong association between cancer and missing teeth. There could be periodontal damage occurring due to cancer (10–21). Certain studies have shed light in the area where periodontal disease or significant quantum of missing teeth as an indication for prevalence of cancer”</i></p> <p>Moreover its not clear whether the authors are stressing tooth loss as an early sign of cancer because it's a well know fact that aggressive oral cancers may necessitate sectioning of either jaw or extraction of teeth.</p> <p>The references used to support the following statement are totally irrelevant (23 ,24,25) except ref. 22.The authors should replace the references with relevant references</p> <p><i>“Also empirical studies have shown the presence of missing teeth as a new find in case of Type 2 diabetes. Nowadays diabetic patients are seen to have tooth loss which is twice that of other normal individuals. Sometimes hereditary inheritance of diabetes in children could also lead to early loss of teeth (22)(23–25).”</i></p> <p>The last line in the “Introduction” has no relevance and should be omitted unless the references have any connection with the subject under discussion.</p> <p><i>Our team has extensive knowledge and research experience that has translate into high quality publications((26),(27),(28),(11),(10),(29),(30),(31),(32),(33),(34),(35),(36),(37),(38),(39),(40),(41),(42),(43).</i></p> <p>In my view, authors need to revise the entire introduction with regards to citing of the references.</p> <p>In addition in the end of introduction authors should describe in few lines the need to carry out this study though you have mentioned the association of cancer and diabetes with missing teeth but further justification is required. i.e “why the prevalence of missing teeth needs to be studied upon”. Further you can quote similar studies with the prevalence rate reported earlier and deficiencies of</p> |  |

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|  | <p>earlier studies, which could be sorted out in the present study. Authors can also mention the population type on the ethnic /racial basis and can mention advantages of the age group selected in this study for the introductory background.</p> <p><b>Materials and Methods-</b><br/>In the methodology details about the case sheet should be given, its contents along with its picture. They need to mention what were the various records used to analyse i.e Orthopantomogram, study casts etc.</p> <p>Division of sample on the basis of gender should be mentioned .</p> <p>Advantages and Limitations of the study should be given in the discussion, instead of Materials and Methods.</p> <p>Criteria of missing teeth should be mentioned in the beginning just before the inclusion and exclusion Criteria.</p> <p>In the following lines, I am not able to understand what do the authors mean by “clinically absent teeth and excluded the impacted teeth.”</p> <p><i>“They were categorized as missing teeth taking in to consideration only the teeth which were found to be missing beyond the eruption period and <b>included the clinically absent teeth and excluded the impacted tooth</b>”</i></p> <p>To my knowledge “clinically absent” itself means not erupted but might be impacted. So its better to write “ clinically as well as radiographically absent teeth”. So it should be mentioned clearly that impacted teeth were not considered as missing.<br/>Also mention how the diagnosis of impacted teeth was made and also if erupting tooth was confirmed radiographically or not.</p> <p>Inclusion Criteria should be written point wise and clarify whether patients with any physical /mental retardation/ syndromes / anomalies(Cleft lip and palate) were included or not.</p> <p>Exclusion criteria should not be repetitive of the age selection.</p> <p><i>“The exclusion criteria for the study was patients below the age of 8 and above the age of 17 and also did not consider the tooth which were in the <b>eruption sequence change</b>”</i></p> <p>eruption sequence change- Kindly elaborate this in one line. and clarify whether <b>subjects</b> with those teeth were included in the study or not and if included whether those teeth were considered as present or missing.</p> <p><b>Inclusion and exclusion criterion needs scientific editing</b></p> <p><b>Discussion</b><br/><b>First paragraph- it needs to be structured and complied in a better way ( english language)</b><br/><i>“Missing teeth is commonly seen. It can lead to bone loss and bone resorption. They can lead to structural imbalance and unaesthetic appearance which affects an individuals personality. It can lead to difficulty in the process of mastication ultimately ending the patients with nutritional deficiencies((44)). Nowadays the prevalence of missing teeth is also increasing.</i></p> <p><b>2 nd paragraph Line 4</b><br/><i>“Contrasting result was observed in our study where the most common permanent missing teeth in age group of 8 to 10 year old was found to be permanent maxillary lateral incisor (Fig 3). The eruption timing for lateral incisor is 8-9 years but even in 10 year old children of our study it’s been found missing. <b>The reason can be delay or the lateral incisor was just then erupting or congenital absence.</b> According to our study the most common reason is congenital absence of them at 16.46%.”</i></p> |  |
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|   | <p>The reason given for permanent maxillary lateral incisor is confusing. Clarify if “erupting lateral incisor” was confirmed radiographically or not and if present whether erupting lateral incisor was considered as present or missing or it was included in the study.( see incluion/exclusion criteria)</p> <p><b>2 nd paragraph Line 9</b></p> <p><i>The most commonly found reason for this has been found to be the susceptibility of the dental agenesis in maxillary lateral incisors has been associated with their anatomical position in the maxillary arch and also that they are the last teeth to develop in their respective classes (47).</i></p> <p><b>Reference 47 – Please check ???</b></p> <p><b>3<sup>rd</sup> paragraph</b></p> <p><i>Apart from congenital absence, children are mostly subjected to trauma which is also one of the reasons for permanent missing teeth , and according to a previous study by Shalan et al, around 13.6% of the children in the age group of 11 to 14 are affected with missing permanent teeth(49).</i></p> <p><b>Reference 49 quoted here says</b> - The present study showed that the prevalence of TDI (Traumatic Dental Injuries) in this population was approximately 13.6%. and not missing teeth. Correct missing teeth with traumatic dental injuries and rate of avulsion 2.2%.</p> <p><i>In our study in the 11-13 age group of children it was observed that the most common missing permanent teeth was mandibular lateral incisor (Fig 4).<br/>Check the figure no.????</i></p> <p><b>Authors are requested to rewrite discussion in a systematic manner. They should follow the figures. First the most common cause of missing teeth in general. Then group wise, first discuss the most common cause of missing teeth in 8-10 years, then the most common missing tooth in that particular group. This should be followed in a similar sequence in other age groups also along with supporting articles in favour and contrary to their findings with proper justification.</b></p> |  |
| <p><b>Minor</b> REVISION comments</p>   | <p>Entire article needs grammatical revisions and English language editing</p>  |  |
| <p><b>Optional/General</b> comments</p> |   |  |

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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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|----------------------------------|--|
| Name:                            | <b>Sapna Singla</b>                              |
| Department, University & Country | <b>Govt. Medical College and Hospital, India</b> |