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| Journal Name: | [**International Journal of Research and Reports in Dentistry**](https://journalijrrd.com/index.php/IJRRD) |
| Manuscript Number: | **Ms\_IJRRD\_140421** |
| Title of the Manuscript: | **From Plaque to Pulse—Exploring the Unexpected Impact of Streptococcus mutans on Oral and Heart Health: A Review** |
| Type of the 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** (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.** | **One should be acquainted with many interesting facts. But all facts are not supported with suitable references. Several repetitions make the article lengthy. Some figures have less scientific values. All references are not authentic.** | The relationship between oral health, specifically dental plaque, and systemic cardiovascular outcomes is summarized in this publication in a current and pertinent manner |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **First part of the title, “From plaque to pulse” should be deleted.** | No, I feel the title is Apt for the article and don’t want to make any changes in it. |
| 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. | **Yes. There are multiple irrelevant keywords. Need more specific strong keywords.** | I will change the keywords. |
| Is the manuscript scientifically, correct? Please write here. | **Shortage of references creates confusion. Figure 2 ,3 could be excluded. Too much lengthy article with less scientific basis. Repetition of facts present in many paragraphs with numerous typing errors.** | I Have Crossed checked everything I have provided enough scientific basis required for the manuscript and I don’t want to exclude figures 2,3 I could not find any typing error |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **One reference is not justified for this scientific article. (16)** | DIET: Eating a healthy, balanced diet is crucial for both your general health and dental hygiene. Your diet should contain a lot of fruits, vegetables, dairy products, and whole grains. Peanuts, cheese, yogurt, and milk are a few foods that are particularly beneficial for dental health. By clearing sugars from the tooth surface, these meals may prevent teeth from plaque.[16] **Pg.no 13** |
| Is the language/English quality of the article suitable for scholarly communications? | **Need corrections in few areas. (pg. 2 –commensalic, the whitening of dental hard tissue, pg. 3 last line of 1st paragraph, pg 5. According to indicates, pg. 6. It has been “claimed that caries is an establishment of Dental caries can alternatively be described as a contagious bacterial illness affecting dental teeth”, last line of 1st paragraph not linked with previous part” pg. 13 “for cleaning in between teeth, such as interdental brushes, floss, and flossettes; everyone is free to choose the one that they like most.” HAVE SPECIFIC INDICATIONS** | 1. commensalic: A commensal bacterial community refers to a group of bacteria that live in or on a host organism (like a human or animal) 2. The whitening of dental hard tissue: Replaced with Tooth Bleaching. 3. pg. 3 last line of 1st paragraph: Changed the sentence to this **Consequently, S. mutans is not only the primary bacterium responsible for plaque formation but also for the initiation of dental caries.** 4. pg. 5. According to indicates: Indicates is replaced by **THIS** 5. pg. 6: Done the Necessary corrections |
| 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)* | NO |