

Review of: "The Global Impact on Health of Dental Infections and Antibiotic Resistance: A mini Reveiw"

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Potential competing interests: No potential competing interests to declare.

General comment: This work aimed to review the impact of antimicrobial resistance on dental infections. This is an interesting issue; however, as a review, it must have much more information and a longer reference list to support the sentences. The majority of sentences are not supported by references, and when they appear, usually only one reference appears to support general sentences.

Also, there is a continuous repetition of ideas in the introduction and in the other sections that is not acceptable.

This mini-review must be more structured with more profound evidence about the topic. This is a very superficial attempt at a review.

Missing references in a lot of sentences. All sentences must have a reference to support them. Please revise the manuscript accordingly.

Specific comments:

In the introduction section, what do you mean by alternative treatments in "Dental healthcare providers should consider the use of alternative treatments, such as antifungals or antivirals, for non-bacterial infections"? These are not alternative treatments; if you have a fungal infection, you should use an antifungal. This is not alternative, neither relates to AMR.

There is a constant repetition of the idea that "the inappropriate use and overuse of these drugs have contributed to the emergence of antibiotic resistance", "a global issue that affects the effectiveness of antibiotics in treating infections," and more.

Please explain what you mean by "bacteria that produce acid that erodes the tooth enamel."

Once again in the epidemiologic section, the ideas are continuously being repeated; for example, first you mention the prevalence of caries in the Indian population, and then you talk again of the prevalence of caries in a global perspective: "dental caries is the most common dental infection, affecting up to 90% of school-aged children and the majority of adults. In developing countries, periodontal disease is more prevalent, affecting up to 90% of adults." This must be reorganized.

Attention to the respiratory behaviour of bacteria: streptococci are facultative anaerobic bacteria, and *Fusobacterium*, *Prevotella*, and *Porphyromonas* species are strict anaerobic bacteria. This must be corrected.



You mention that "Prevotella species have been reported as the most frequent isolates in numerous studies, found in 10-87% of dentoalveolar abscesses," but then you do not cite any study with this sentence!!!! This is not acceptable.

What do you mean by "The potential to pass high-level resistance to S. pneumoniae"? High resistance to what???

The resistance section must be improved and extended.

It is recommended to include a section about the alternatives to antibiotic treatment and measures that are used in dental medicine to reduce the dissemination of resistance.

A conclusion must be included to reinforce the future perspectives of this issue and what is being done to improve this global issue.

In conclusion, I consider that this work is not suitable for publication.

All the points described support my opinion on rejecting this work for publication.