

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.

This article is easy to read and can be an important divulgation piece about the issue of AMR.

Regarding the structure of the article, the review methodology should be more described, and the bibliography improved.

Exploring this topic is indeed crucial for the AMR issue. However, the authors should provide a more comprehensive exploration of the differential diagnosis of dental infections and consider discussing the potential utility of rapid tests in dental clinics. Of course, to delve further into the non-bacterial infectious causes of dental infections.

Second point: Regarding the statement, "*Antibiotics should only be prescribed when necessary and for the shortest effective duration to minimize antibiotic resistance development*," caution must be exercised. The timing of antibiotic use must be appropriate, as it significantly impacts the development of resistance.

The authors must use caution when considering these extrapolated ideas from another manuscript, as they were specifically contextualized within an immune context and virus infection. Ad example, "*Many patients often demand antibiotics for the treatment of dental infections, even when they are not necessary*". I

They need to delve deeper into the assertion made in point 2 as well.

"*Dental healthcare providers may prescribe antibiotics without considering the type of infection or the severity of the condition, leading to the misuse of antibiotics*". It's evident that the nature of dental professionals' work involves distinct pressures and often requires quick action. Typically, their interventions are instrumental (ad example, urgent teeth extraction, ...) and utilize antibiotics for antimicrobial prophylaxis before dental procedures. The current situation and new perspectives are important points that haven't been adequately addressed.

My final suggestion to the authors is to consolidate the idea of guidelines for appropriate antibiotic use and to enhance awareness of antimicrobial resistance (AMR) among both dentists and patients. This should be synthesized into a conclusive idea aimed at resolving the issue, providing a more comprehensive suggestion for the fight against AMR.