

Review of: "Teeth Whitening: Optimization with Violet LEDs"

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Potential competing interests: No potential competing interests to declare.

Dear Editor,

I appreciate the opportunity to review the article titled "Teeth Whitening: Optimization with Violet LEDs," submitted to Qeios. After a thorough review, I would like to share my observations and recommendations.

Summary of Contributions: The article addresses a relevant topic; however, the methodology is poor and not appropriate for the objective, the literature review text is too long, and the discussion is poor and inadequate. It does not bring in other studies, justification for the findings, limitations, aspects of clinical relevance, or future applications. In addition, the conclusions are not supported by the findings. There are limitations in the writing, and I do not recommend the publication of the article.

Dear Editor and Authors,

I hope this message finds you well. I appreciate the opportunity to review the manuscript titled "Teeth Whitening: Optimization with Violet LEDs," submitted to Qeios. After a thorough review, I present below my observations and suggestions for improving the manuscript.

You cannot state in the conclusion that the protocol applied in this clinical case included a reduction in pain sensitivity without describing whether sensitivity was assessed. If it was assessed, it should be described in the methodology section. Adjust the text and abstract.

Including long-term follow-up could help assess the durability of the bleaching effects and the safety of violet light treatment. Why was this not done? Such arguments should be presented in the discussion section.

Describe a comparison between violet light and other bleaching techniques; this could provide a more robust view of the relative efficacy and side effects of each method.

Quantitative measurements of tooth sensitivity before and after treatment should be included, which could provide more objective data on the effects of the proposed protocol. Was this done? If not, why not? This should be detailed in the discussion section.

The discussion needs a lot of changes; it should bring in other studies and justify the choices made in the clinical case and the findings.

