

Review of: "[Case Study] Low-Level Laser and Its Interface With Sleep Dentistry: Clinical Case Report"

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Potential competing interests: No potential competing interests to declare.

1. Introduction and Definition of Photobiomodulation (PBM):

- The introduction lacks a clear and scientific definition of photobiomodulation (PBM) therapy. It is essential to provide a precise definition of PBM and explain its mechanism of action to better contextualize the discussion.
- The mechanism of action of PBM should be elucidated, highlighting how it affects cellular processes and promotes tissue healing. Additionally, the review should include indications for PBM therapy in a scientific manner, citing evidence from reputable sources, such as its efficacy in treating oral mucositis, temporomandibular joint (TMJ) dysfunction, etc.

2. Use of Abbreviation:

- It is advisable to consistently use the abbreviation "PBM" for photobiomodulation throughout the review, as it is commonly accepted in the literature.
- Avoid "we" when writing a scientific paper.

3. Clarity of Protocol and References:

- The protocol for PBM therapy was inadequately described, with only mention of parameters and lacking details on the actual protocol. It is recommended to provide a clear and comprehensive description of the treatment protocol, referring to established studies such as [insert PubMed links], which offer detailed protocols and methodologies.
- The inclusion of case reports from reputable sources would strengthen the review's credibility and provide real-world examples of PBM therapy's efficacy.

4. Discussion:

- The discussion section appears weak and lacks depth. It should critically analyze the findings, compare them with existing literature, and discuss implications and limitations. Including recent research and theoretical frameworks related to PBM therapy would enhance the discussion's quality and relevance.

5. Ethical Considerations:

- The decision to include the full face of the patient lacks justification and raises ethical concerns. A clear description of obtaining written informed consent from the patient is essential and should be explicitly stated in the review to ensure compliance with ethical guidelines and protect patient confidentiality and rights.

Overall, the review would benefit from improvements in scientific rigor, clarity of presentation, inclusion of relevant references, and adherence to ethical standards. Addressing these points would enhance the quality and credibility of the review on photobiomodulation therapy.