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REVIEWER'S REPORT

Manuscript No.: IJAR-59080

Title: Fotobiomodulación y terapia fotodinámica antimicrobiana con láser diodo en la osteonecrosis maxilar asociada a medicamentos: revisión de alcance

Recommendation:

Accept as it is .....

✓ Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Name: Dr S. K. Nath

Detailed Reviewer's Report

Strength of the study:

- Relevant and clinically important topic
- Clear objective and research question
- Scoping review methodology is appropriate
- JBI and PRISMA ScR are reported
- Two reviewers independently performed study selection
- Laser parameters and treatment combinations are summarized
- Clinical outcomes and recurrence are presented
- Important limitations of the available evidence are acknowledged

Weakness of the study:

- Only PubMed and Scopus were searched
- No formal risk of bias assessment was performed
- Most primary evidence consists of case reports and small series
- Some study numbers are inconsistent between sections
- The number of primary studies varies between 14 and 15
- Laser protocols are highly heterogeneous
- Several conclusions appear stronger than the evidence supports
- Grammar and scientific writing need substantial editing

Reviewers Comments:

The manuscript addresses a relevant clinical topic and provides a useful overview of photobiomodulation and antimicrobial photodynamic therapy for medication related osteonecrosis of the jaw. The search strategy, independent review process and presentation of laser parameters are positive features. Ethical clearance is not required because this is a literature review and no new participants were involved. However, major revision is required. The evidence base is mainly composed of case reports, case series and retrospective studies, with no formal risk of bias assessment. There are also inconsistencies in the reported number of primary studies and clinical outcome analysis. The manuscript reports a 71% overall success rate, yet later makes much stronger claims of near 100% success in early stages and above 90% in advanced cases, which should be presented more cautiously. The high heterogeneity of laser parameters also limits protocol standardization and reproducibility. Grammar, sentence construction, terminology and formatting require careful editing. Overall, the topic is valuable but the conclusions should be better aligned with the quality of available evidence.

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Previously Published anywhere/Plagiarism check:
An exact title search did not identify the same publication. However, closely related reviews and clinical studies on photobiomodulation, antimicrobial photodynamic therapy and laser treatment for medication related osteonecrosis of the jaw have already been published. A 2023 systematic review specifically evaluated laser devices and platelet concentrates, while a 2020 case series reported long term outcomes of combined photodynamic and photobiomodulation therapy. The present review appears to have a different scope, but a formal similarity check is recommended before publication.