

REVIEWER'S REPORT

Manuscript No.: IJAR-59080

Title: Photobiomodulation and Antimicrobial Photodynamic Therapy with Diode Laser in Medication-Related Osteonecrosis of the Jaw: A Scoping Review .

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 ID: JP085

Reviewer's Comment for Publication.

This scoping review evaluates the use of diode laser photobiomodulation (PBM) and antimicrobial photodynamic therapy (aPDT) for medication-related osteonecrosis of the jaw (MRONJ). The review included 20 publications, with 15 primary studies and 5 reviews. Most primary studies were case reports or case series, and the authors reported generally favorable clinical outcomes.

Strength:

1. The topic is clinically relevant and interesting.
2. The objective and research question are clearly stated.
3. The review follows JBI and PRISMA-ScR methods.
4. Laser parameters, treatment combinations, clinical outcomes, and follow-up were presented in tables.
5. The article clearly shows the large variation in laser parameters, which is useful for future research.

Weakness:

1. Most included studies were case reports and small studies.
2. The quality of evidence is low.
3. Laser treatment parameters were different between studies.
4. Important laser details were not reported in many studies.
5. It is difficult to know the exact effect of laser therapy because it was often combined with other treatments.

Overall assessment:

The article discusses an important and useful topic and provides a good summary of diode laser therapy in MRONJ. However, the available evidence is limited and the treatment methods vary between studies.

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The conclusions should be more cautious and the manuscript needs some improvement before publication.

Recommendation: Manuscript accepted for publication after minor revision.