

REVIEWER'S REPORT

Manuscript No.: JNHM-173

Title: *Recent Advances in Bioactive Dental Materials for Pulp Preservation and Hard-Tissue Regeneration: A 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 Name: Mr Sahil Srivastava

Detailed Reviewer's Report

Detailed Reviewer's Report:

The manuscript covers an important and relevant topic and provides a broad overview of bioactive dental materials, vital pulp therapy, biomimetic materials and emerging regenerative approaches.

However, major revision is required before publication. The following points should be addressed:

1. A clear review methodology/search strategy should be added, including databases, keywords and selection criteria.
2. The manuscript requires substantial language, grammar and scientific terminology correction.
3. Clinical evidence should be clearly distinguished from preclinical and experimental evidence.
4. The authors should add a comparative table of major bioactive materials, their applications, advantages and limitations.
5. Some statements regarding the superiority and clinical effectiveness of MTA/Biodentine should be more cautiously presented.
6. References and in-text citations should be carefully checked for consistency, duplication and formatting.
7. The manuscript contains some repetitive and poorly connected sections that should be reorganized.
8. A concise section discussing limitations and barriers to clinical translation should be strengthened.

Overall, the manuscript has good potential, but substantial revision is necessary to improve its scientific clarity, methodological transparency and presentation.

Recommendation: Accept after Major Revision.