

REVIEWER'S REPORT

Manuscript No.: IJAR-59161

Title: Tooth Morphology as a Local Modifier of Periodontal Disease and Treatment Response: A Critical Narrative 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: Dr S. K. Nath

Detailed Reviewer's Report

Strength of the study:

- Relevant periodontal topic
- Clear clinical focus
- Good coverage of developmental tooth anomalies
- Furcation and root morphology are well discussed
- Clinical implications are clearly explained
- Evidence limitations are appropriately acknowledged
- Diagnostic and treatment considerations are practical
- Proposed clinical pathway is useful
- Research gaps are clearly identified

Weakness of the study:

- Literature selection was purposive rather than systematic
- No formal risk of bias assessment was performed
- Only targeted web searches were conducted
- Evidence quality was not formally graded
- Some recommendations are based mainly on expert interpretation
- Proposed framework has not been validated
- Historical evidence may not reflect current instrumentation
- More recent clinical studies could be included
- Minor language and formatting corrections are needed

Reviewers Comments:

The manuscript provides a thoughtful and clinically relevant narrative review of how tooth morphology can influence local periodontal disease and treatment response. The discussion appropriately distinguishes anatomical association from proven causation and avoids treating morphology as an automatic predictor of tooth loss. The proposed clinical pathway and documentation framework are useful, although they remain unvalidated. Ethical clearance is not applicable because the review involves no participants or individual patient data, and this is clearly stated in the manuscript. The main limitation is the purposive search strategy without formal risk of bias assessment or evidence grading, which limits the strength of the conclusions. Some recommendations should therefore remain clearly identified as clinical interpretation rather than established evidence. Grammar and overall writing quality are generally good, with only minor editing needed. Overall, this is a well structured and useful review that requires methodological clarification rather than major restructuring.

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Previously Published anywhere/Plagiarism check:

An exact title search did not identify the same publication. However, the subject overlaps with established literature on furcation morphology, root anatomy, enamel projections, palatogingival grooves and periodontal treatment. The manuscript appropriately cites several landmark and review publications in these areas. No obvious same-title publication was identified in the search, but a formal similarity check is recommended before publication.