

Manuscript No.: IJAR-53766

Date: 12-09-2025

Title: Use of Combination of Vitamin D Powder with Gentamycin Injection in Management of Non-healing Wounds: A Case Report.

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. Aamina

Reviewer's Comment for Publication.

Overall Evaluation

This manuscript presents two detailed case reports demonstrating the topical use of a vitamin D powder–gentamycin mixture for non-healing wounds. The topic is clinically interesting, cost-conscious, and of potential relevance for low-resource settings. The paper is well structured (Introduction 4–26, Case Reports 29–73, Discussion 75–137, Conclusion 138–147, Limitations 149–151, References 153–169). With minor revisions to strengthen scientific rigor and clarity, the manuscript is suitable for publication.

Major Comments

1. Methodological Transparency

Lines 29–73:

- Provide details on the informed consent process for each patient.
- Clarify whether any ethical approval or institutional review board (IRB) waiver was obtained.

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2. Evidence Context & Limitations

Lines 94–96 & 149–151:

- The claim that this is “first of its kind” (lines 23–26, 94–96) should be softened or supported with a structured literature search.
- Expand the “Limitation” section to include potential risks of topical gentamycin (e.g., local resistance, ototoxicity if systemically absorbed) and vitamin D sensitivity.

3. Data Presentation

- Figures 1–6 are referenced but not included. Ensure high-quality images with appropriate legends and de-identification.

4. Discussion Depth

Lines 77–137:

- Strengthen comparison with existing wound-care strategies (e.g., topical antibiotic beads, vitamin D supplementation studies).
- Briefly discuss mechanism of synergy with supporting references.

Minor Line-Specific Suggestions

- **Lines 5–10:** Merge and simplify long sentences for clarity: e.g., “Non-healing wounds fail to show signs of progress beyond a particular healing stage and often remain arrested in inflammation.”
- **Line 17:** Correct “co16 morbid” → “co-morbid.”
- **Line 133:** Remove repeated word “immune” (“Vitamin D’simmune immune-enhancing properties...”).
- **Lines 120–121:** Adjust phrasing for readability (“...fibroblastic activity enhancement which helps in extracellular matrix and collagen production”).
- **References (153–169):** Ensure consistent style (journal abbreviations, page ranges) and verify that all in-text citations correspond accurately.

Strengths

- **Clinical Relevance:** Addresses management of chronic wounds in resource-limited settings using readily available agents.

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- **Clear Case Detail:** Provides step-wise dressing procedures and follow-up outcomes with line-numbered clarity.
- **Mechanistic Insight:** Discusses both antimicrobial (gentamycin) and immunomodulatory (vitamin D) effects.