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REVIEWER'S REPORT

Manuscript No.: IJAR- 59705

Manuscript Title: Wound Healing and Tissue Regeneration: An Narrative review Review of Molecular Mechanisms, Therapeutic Advances, and Evidence-Based Ayurvedic Approaches

Recommendation:
Accept after minor revision

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

Reviewer's ID: Bilqees Hamza

Detailed Reviewer's Repot

General Overview

The reviewed manuscript, titled "Wound Healing and Tissue Regeneration: A Narrative Review of Molecular Mechanisms, Therapeutic Advances, and Evidence-Based Ayurvedic Approaches," offers an exhaustive, scientifically rigorous, and balanced exploration of cutaneous tissue repair. The paper systematically bridges cellular and molecular biology—covering haemostasis, inflammation, proliferation, extracellular matrix remodelling, and growth-factor signalling—with clinical management principles for acute and chronic wounds, including diabetic foot ulcers. Furthermore, it provides a critical, evidence-informed appraisal of traditional Ayurvedic wound-care concepts (such as *Vrana Shodhana* and *Vrana Ropana*) and formulations like *Jatyadi Taila* and *Jatyadi Ghrita*, evaluating them alongside contemporary guidelines such as the 2023 International Working Group on the Diabetic Foot (IWGDF) updates. The author successfully maintains an objective scholarly tone, transparently acknowledging the preliminary nature of traditional evidence while establishing a structured integrative framework for safe, evidence-based research and clinical practice.

Suggestions for the Improvement

While the manuscript maintains a exceptionally high standard of scientific and biomedical writing, several minor enhancements would further polish its academic delivery. First, although the narrative

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review approach is clearly explained and distinguished from a registered systematic review, the authors should ensure that all bibliographic records and publication dates are fully finalized prior to publication, particularly for rapidly evolving fields like regenerative technologies and recent clinical guidelines. Second, while the inclusion of schematic figures and comparative tables (such as those detailing cellular roles and integrative clinical frameworks) is highly commendable, ensuring that the text cross-references each visual asset tightly with the corresponding narrative sections will maximize readability. Finally, expanding slightly on the exact standardization and quality-control benchmarks required for herbal extracts to meet modern pharmacological standards would strengthen the translational roadmap outlined in the discussion.

Recommendation for the Editor

In light of its thorough molecular grounding, comprehensive clinical synthesis, and innovative, cautious evaluation of traditional medicine within an evidence-based paradigm, I recommend that the manuscript be accepted for publication following **minor changes**. The paper makes a valuable and balanced contribution to the literature on wound healing, tissue engineering, and integrative medicine. Addressing the minor cross-referencing and standardization clarifications will ensure the manuscript is ready for dissemination.

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