

Comparative Study of Herbal and Synthetic Wound Healing Agents

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Abstract: *This review highlights the therapeutic value of medicinal plants and their extracts in promoting wound healing, as evidenced by numerous studies involving both herbal and synthetic wound care formulations. Various combinations of plant-based extracts have shown favorable properties such as good texture, easy application, and effective healing potential. Natural ingredients play a significant role in the formulation of effective wound treatment creams. Innovations in dermal delivery systems have further improved the utility of these natural agents. Collectively, these findings support the potential of herbal creams as safe and efficient alternatives for managing diverse wound types.*

This comprehensive review provides detailed insights into wound classification, types of creams, their benefits and limitations, and the overall process for cream formulation. Additionally, it offers comparative analysis between herbal and synthetic creams available in the market, including methods for their evaluation. The study serves as a useful reference for researchers aiming to develop or optimize topical wound healing therapies

Wound healing is a complex biological process involving inflammation, proliferation, and tissue remodeling. Both herbal and synthetic agents are employed to accelerate wound repair. Herbal agents are derived from natural sources and have gained popularity due to fewer side effects and additional therapeutic benefits. On the other hand, synthetic drugs offer targeted and controlled action. This review compares herbal and synthetic wound healing agents based on mechanisms, efficacy, safety, and regulatory aspects.

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