

# Tissue Engineering in Diabetic Foot Ulcer Management

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regenerative rather than reparative approaches. The goal is not just to close the wound but to restore functional tissue with improved strength and resilience. By addressing the underlying causes of impaired wound healing in diabetes, tissue engineering seeks to provide long-term solutions, reducing the likelihood of recurrent ulcers [10,11].

## Conclusion

While the potential of tissue engineering in DFU management is promising, challenges such as standardization, scalability, and long-term safety considerations persist. Ongoing research, clinical trials, and collaborative efforts are essential to refine these approaches and ensure their widespread applicability. Tissue engineering stands as a beacon of hope, offering a transformative approach that may significantly improve outcomes for individuals grappling with the complexities of diabetic foot ulcers.

## References

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