Dehydrated Human Amnion/Chorion Membrane* for the Treatment of Full-Thickness Plantar Burn in a Diabetic Patient: A Case Report

Walter Chua, MD, FAPWCA
Spinal Cord Injury/Disorder Healthcare Group, VA Long Beach Healthcare System

Objective
To detail the successful healing of a plantar full-thickness pedal burn in a diabetic after a single application of dHACM allograft.

Materials & Methods
A 61-year-old man with type II diabetes mellitus developed a plantar full-thickness pedal burn from prolonged standing on a hot boat deck with bare feet. After serial debridement over two weeks the burn measured 13.8x4.7cm. The burn was then treated with a single application of dHACM that was maintained over the wound bed for one week, after which the burn was treated with hydrogel.

Wound measurement and photography were performed weekly to assess for healing.

Results
Rapid healing of the wound occurred with epithelialization essentially complete 4 weeks after dHACM application. Sequential wound photos are presented below.

Conclusion
This case report demonstrates that dHACM can be used as an effective treatment for plantar burns in diabetics and deserves further study.

References

Note: Patient signed VA Form 10-2033 authorizing use of above photos for educational purposes.