

**Patient**

28-year-old, healthy male with right palmar burn caused by hot steam escaping from automobile radiator

**Presentation**

- Deep partial-thickness loss with minor area of full-thickness loss
- Length: 10.1 cm; width: 11.7 cm; depth: 0.3 cm

**Treatment history**

- Patient evaluated in emergency room on date of injury
- Returned next day with a bulla covering the entire palm
- Treated via surgical incision, drainage, debridement
- Hand splinted in extension
- Follow-up wound management and care referred to Wound Care and Hyperbaric Center

**Treatment**

Day 0

- Topical 4% lidocaine applied
- Wound cleansed with normal saline and wiped with gauze
- OASIS<sup>®</sup> Burn Matrix applied and hydrated with normal saline and hydrogel

- Mepitel<sup>®</sup>, a non-adherent dressing, applied to stabilize OASIS placement
- Hydrogel reapplied, followed by Aquacel<sup>®</sup> Hydrofiber<sup>®</sup> Wound Dressing
- Wrapped with Kerlix<sup>™</sup> Gauze
- OCL<sup>®</sup> extension splint placed, secured by Ace bandage
- Patient instructed to elevate hand and return for follow-up

Day 4

- Wound greatly improved
- OASIS intact over palm
- OASIS left in place, hydrated with hydrogel, redressed as before
- Patient received home dressing change and wound hydration instructions
- Stretching and extension exercises ordered to decrease contractures

Day 7

- Significant improvements, with 60% of OASIS intact
- OASIS removed, wound cleansed with normal saline
- Some wound areas indicated reapplication of OASIS, and redressing as before

Day 12

- OASIS fully intact
- Wound redressed

**Results**

Palmar burn significantly improved after 4 days of treatment. Patient reported decreased pain within 24 hours of initial OASIS application: from 10/10 on pain scale to 4/10. Palm fully closed—light pink, soft, supple skin—following 21 days of treatment. Full range of motion restored without contractures.



Day 0  
Before OASIS treatment



Day 0  
Initial OASIS application



Day 4  
Intact OASIS



Day 7  
OASIS reapplied



3 weeks  
Palmar burn fully closed

Individual results will vary.  
OASIS Burn Matrix is the product name in the U.S.  
OASIS Extracellular Matrix is the product name outside the U.S.

Mepitel is a registered trademark of Mölnlycke Health Care AB.  
Aquacel and Hydrofiber are registered trademarks of Bristol Myers Squibb.  
Kerlix is a trademark of Covidien.

OCL is a registered trademark of BSN Medical Inc.  
Ace is a registered trademark of Becton, Dickinson and Company.