



**HYALOMATRIX<sup>®</sup>**  
HYALURONIC ACID WOUND DEVICE

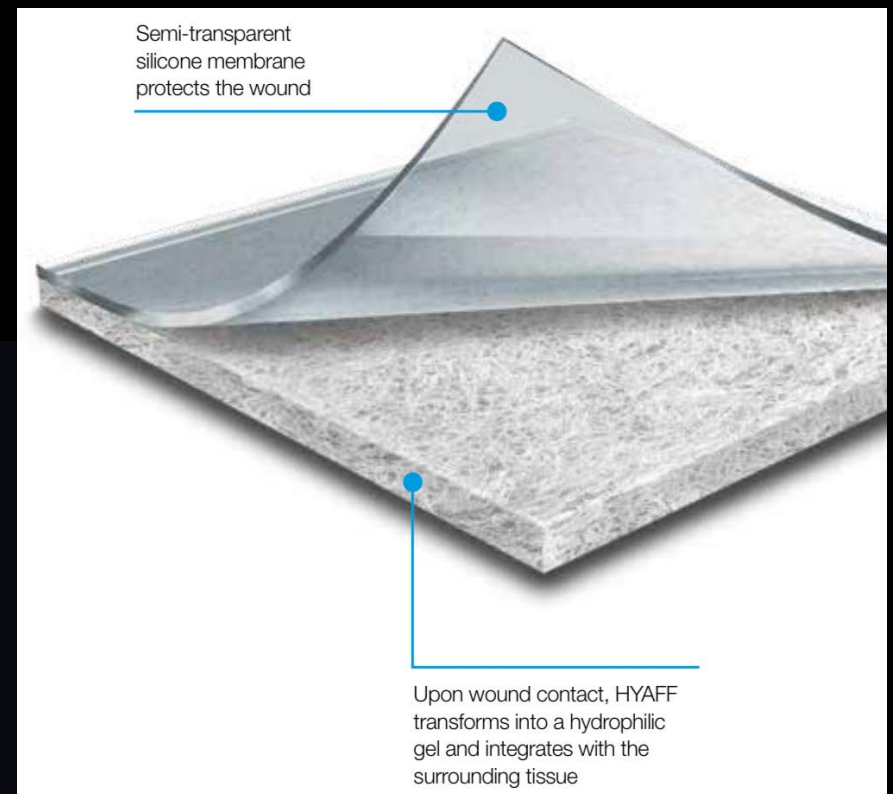


***BIOLOGICALLY DERIVED RECONSTRUCTIVE MATRIX***

# WHAT IS HYALOMATRIX?

## A HYALURONIC ACID WOUND DEVICE

- » Hyalomatrix is a sterile, flexible wound device consisting of two layers: a non-woven pad of esterified Hyaluronic Acid (HYAFF) and a semi-transparent silicone membrane.
- » Hyaluronic Acid is a high-molecular-mass polysaccharide found in the extracellular matrix, especially of soft connective tissues.

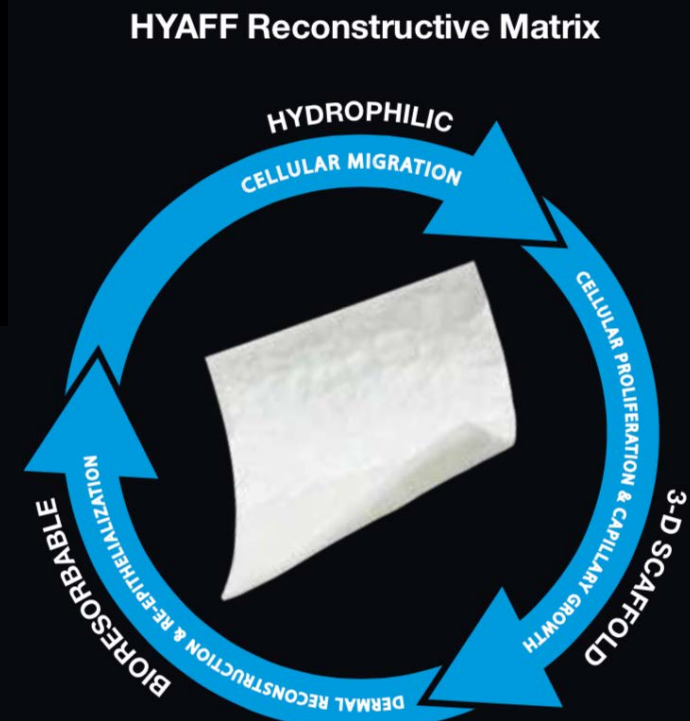


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# HOW DOES IT WORK?

» Upon contact with the wound bed, the HYAFF layer transforms into a hydrophilic gel and integrates with the surrounding tissue. This bio-absorbable matrix acts as a 3-D scaffold for cellular invasion and capillary growth, which facilitates the colonization of fibroblasts and vascular cells.<sup>9</sup>

9 - Longinotti C. The Use of Hyaluronic Acid-Based Dressings to Treat Burns: A Review. *Burn Trauma* Available from: [www.burnstrauma.com/preprintarticle.as-p?id=142398](http://www.burnstrauma.com/preprintarticle.as-p?id=142398) Accessed Oct 16, 2014.

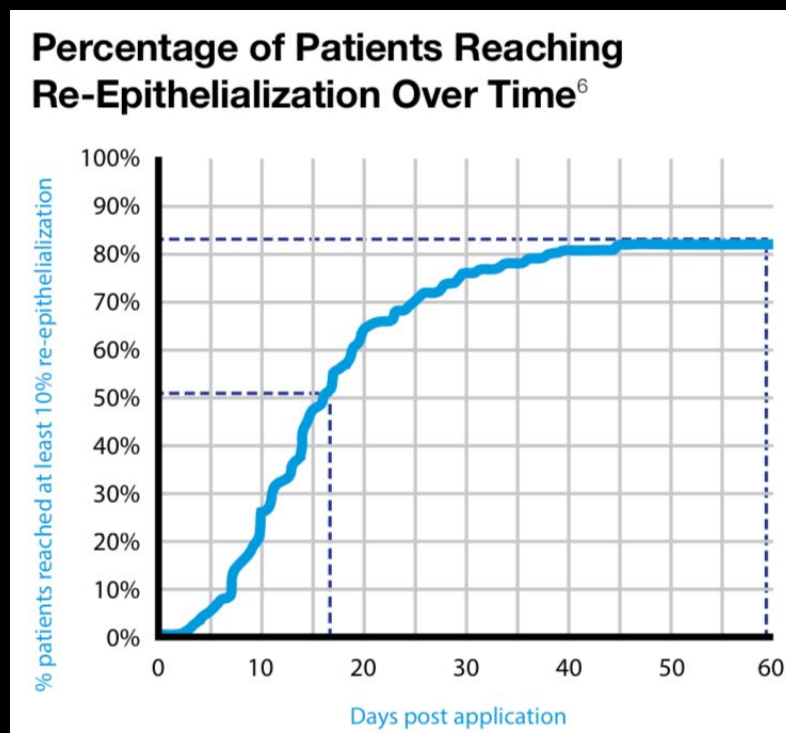


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# EXTENDED RELEASE = RE-EPITHELIALIZATION

» The HYAFF fibers provide HA to the wound bed in a prolonged manner, encouraging epidermal cell migration. This allows spontaneous re-epithelialization, which leads to new dermal tissue reconstruction.<sup>9</sup>

9 - Longinotti C. The Use of Hyaluronic Acid-Based Dressings to Treat Burns: A Review. *Burn Trauma* Available from: [www.burnstrauma.com/preprintarticle.as-p?id=142398](http://www.burnstrauma.com/preprintarticle.as-p?id=142398) Accessed Oct 16, 2014.



6 - Caravaggi C, Grigoletto F, Scuderi N. Wound Bed Preparation With a Dermal Substitute (Hyalomatrix® PA) Facilitates Re-epithelialization and Healing: Results of a Multicenter, Prospective, Observational Study on Complex Chronic Ulcers (The FAST Study). *WOUNDS* 2011;23(8):228– 235. Available at: [www.medscape.com/viewarticle/749515\\_1](http://www.medscape.com/viewarticle/749515_1) Accessed on Oct 13, 2014.

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# ***COST EFFECTIVE AND EASY TO USE***

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- » Becomes a hydrophilic gel upon contact and provides HA in a prolonged manner; no activation required
- » Cuts to size and is conformable and flexible, fitting all types of wound shapes



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# GENTLE PATIENT CARE

- » Encourages monitoring without disrupting new wound bed via semi-transparent silicone membrane
- » Helps reduce dressing change frequency
- » Removes easily without pain or wound bed damage due to silicone layer
- » Maintains a moist microenvironment conducive to granulation and healing; HA binds up to 1,000 times its weight in water
- » Significantly reduces local pain <sup>6,11</sup>



6 - Caravaggi C, Grigoletto F, Scuderi N. Wound Bed Preparation With a Dermal Substitute (Hyalomatrix® PA) Facilitates Re-epithelialization and Healing: Results of a Multicenter, Prospective, Observational Study on Complex Chronic Ulcers (The FAST Study). *WOUNDS* 2011;23(8):228– 235. Available at: [www.medscape.com/viewarticle/749515\\_1](http://www.medscape.com/viewarticle/749515_1) Accessed on Oct 13, 2014.

11 - Motolese A, Vignati F, Brambilla R, Cerati M, Passi A. Interaction between a Regenerative Matrix and Wound Bed in Nonhealing Ulcers: Results with 16 Cases. *BioMed Research International*, vol. 2013, Article ID 849321, 5 pages.

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# INDICATIONS

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» Hyalomatrix is a versatile device indicated for the management of wounds, including:

- Chronic vascular ulcers
- Diabetic ulcers
- Draining wounds
- Partial- and full-thickness wounds
- Pressure ulcers
- Surgical wounds
- 2nd degree burns
- Trauma wounds
- Tunneled/undetermined wounds
- Venous ulcers



# 2014 ACCOLADES

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**Issue Number:** [Volume 27 - Issue 7 - July 2014](#)

**Author(s):** Brian McCurdy, Senior Editor

*Podiatric physicians continue to gain new tools and technologies to improve lower extremity care. This author gets the input of experts on recent and emerging innovations in areas including surgical advances, wound care and antifungals.*

 Emerging advances in technology in 2014 include two new antifungals, a device to help detect neuropathy, improved wound dressings, painless harvesting of epidermal skin grafts, a **clinical substitute**, a total ankle implant and a device to augment bone marrow stimulation.

**Hyalomatrix® (Anika Therapeutics).** An innovative wound dressing utilizes hyaluronic acid to provide a three-dimensional scaffold to promote cellular invasion and capillary growth.

Dr. Adam Landsman, DPM, PhD, notes the Hyalomatrix contains a fibrous form of hyaluronic acid bound to a semi-permeable layer of silicone. He says the hyaluronic acid component acts as a biodegradable scaffold for proliferating cells and capillary growth, while the silicone membrane preserves moisture and

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