Hyalomatrix®
Hyaluronic Acid Wound Device
Biologically derived regenerative matrix
By the numbers:

Nearly 15% of Medicare patients have at least one type of wound or wound-related infection.¹

25% of open abdomen cases suffered an infection, abdominal abscess or intestinal fistula, showed one study.²

$5 to $24 billion of total Medicare spending is for reimbursement of inpatient wound care.¹
Hyalomatrix delivers a unique esterified form of hyaluronic acid.
Helps you facilitate each stage of the healing process.\textsuperscript{3,4,5}

It provides the foundation for skin grafting and re-epithelialization.
Acts as a scaffold for cellular infiltration and capillary growth during tissue regeneration—without cross-linking.\textsuperscript{6}

This innovative solution may help reduce the risk of infection.
Rebuilds a well-vascularized neodermis as fast as possible, which may help protect your patients from infection.\textsuperscript{3,7,8}

Hyalomatrix promotes quality healing.
Provides a healthy wound bed for healing by successful grafting or secondary intention, which may help reduce patient discomfort and hospital stay.\textsuperscript{3,8}

Looking for transformative solutions to stimulate tissue regeneration?
It’s all about outcomes. The challenges you face drive us to continually search for transformative solutions in tissue regeneration. Our shared goal to optimize the pace and quality of healing led to the discovery of **Hyalomatrix, a groundbreaking regenerative matrix based on hyaluronic acid (HA)**.
The science and innovation behind tissue regeneration with Hyalomatrix.

Hyalomatrix harnesses the natural tissue regeneration properties of hyaluronic acid to facilitate healing.

**Why hyaluronic acid?**
A major component of the extracellular matrix, HA promotes tissue regeneration in two unique ways:

**Biological effect of HA**
- Promotes a productive inflammatory phase by stimulating cell receptors.\(^\text{11, 12}\)

**Hydrodynamic effect of HA**
- Promotes a productive inflammatory phase by stimulating cell receptors.\(^\text{11, 12}\)
- Increase pro-inflammatory cytokines to help activate and recruit native cells.\(^\text{11, 12}\)
- Binds 1,000 times its weight in water.
- Enables optimal cellular migration.\(^\text{9, 10}\)
- Creates water-rich space within the newly formed tissue for orderly dermal reconstruction.\(^\text{9}\)

*Artist's representation*
What is HYAFF®?
Hyaluronic acid’s unique role in wound healing led to the development of HYAFF, an esterified form of HA that is exceptionally long-lasting.

Scaffolding effect of HYAFF

Without cross-linking, the open scaffold allows cellular infiltration and capillary growth.6

Manufactured into a fibrous 3-dimensional scaffold, giving native cells like fibroblasts and endothelial cells a place to live, thrive and rebuild tissue.6

Hyalomatrix at a glance

- Completely esterified HA engineered to last between 14 – 21 days in the wound bed.
- Manufactured into an open, fibrous scaffold to support cellular ingrowth.
- Semipermeable silicone membrane controls water vapor loss and protects the wound.
- Integrates with and is resorbed by surrounding tissue.
Well-established and well-documented.

The roles of hyaluronic acid, HYAFFF and Hyalomatrix are supported by more than 800 peer-reviewed papers.\textsuperscript{13}

Recent clinical studies

\textbf{Use of Hyaluronic Acid-Based Biological Bilaminar Matrix in Wound Bed Preparation: A Case Series}

In this case series, complex surgical wounds treated with Hyalomatrix were shown to achieve a well-vascularized neo-dermis and complete healing within an average of 40 days.\textsuperscript{8}


\textbf{Limb Trauma: The Use of an Advanced Wound Care Device in the Treatment of Full-thickness Wounds}

This observational study measures the induction capabilities of Hyalomatrix on producing granulation tissue suitable for split-thickness skin grafts in severe extremity injuries.\textsuperscript{14}


\textbf{Indications}

- Surgical wounds (donor sites/grafts, post-Mohs surgery, post-laser surgery, podiatric, wound dehiscence)
- Trauma wounds (abrasions, lacerations, skin tears)
- Partial- and full-thickness wounds
- Second-degree burns
- Draining wounds
- Chronic vascular ulcers
- Tunneled/undermined wounds
- Pressure, venous, diabetic ulcers

\textbf{Contraindications}

Individuals with a hypersensitivity to hyaluronan and/or its derivatives, or silicone.
Real-life skin injuries treated with Hyalomatrix.

**Patient case study**
Trauma injury

**60 days to complete healing***

**Skin injury:** Traumatic lesion with exposed bone and tendon
A. After surgical debridement
B. Application of Hyalomatrix
C. 42 days: Newly formed tissue after removal of Hyalomatrix
D. One month: >90% of the meshed skin graft had taken

Case study and photos courtesy of: Dr. L. Valenti
*Individual results will vary

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**Patient case study**
Surgical wound

**6 months to complete healing***

**Skin injury:** Full-thickness surgical wound
A. After debridement
B. Application of Hyalomatrix and PHMB
C. Progression of healing
D. 6 months after initial debridement and skin graft

Case study and photos courtesy of: Dr. Daniel L. Kapp
*Individual results will vary
Together, we can transform injured skin into healthy skin.

Discover transformative solutions designed to stimulate tissue regeneration. Visit MedlineCorius.com or contact your Medline Corius Representative today.

How to order:

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<th>Item no.</th>
<th>Description</th>
<th>Pkg.</th>
<th>Total cm²</th>
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<td>10/bx*</td>
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*One device per pouch

HCPCS: Q4117, Hyalomatrix per cm²

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