

Cutimed® Science Card

Cutimed® Epiona®: Study shows 38% reduction in wound size of stagnating wounds over three weeks.

Sabo M et al. A Post-marketing Surveillance Study of Chronic Wounds Treated With a Native Collagen Calcium Alginate Dressing. *Ostomy Wound Management*. 2018;64(4):38–43.



Hard-to-heal wounds: What experts recommend

Stagnant, hard-to-heal wounds, such as diabetic foot ulcers (DFU) and venous leg ulcers (VLU), are often characterized by an excess of matrix metalloproteinases (MMP) and a damaged extracellular matrix (ECM). The ECM plays an important role in tissue regeneration and is an essential component of wound healing. When the ECM is disrupted, an international expert consensus document recommends the use of biological acellular matrices to help boost the wound healing process. To achieve an optimal outcome the experts define certain properties of an acellular matrix for hard-to-heal wounds.

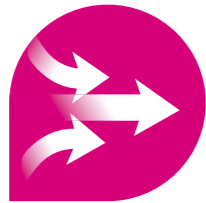
Product requirements for optimal patient outcomes¹:



Reducing wound size/closing the wound



Resembling native ECM closely to retain natural architecture



Promoting optimal cell activity for rapid revascularization with tissue regeneration



Ensuring a low complication rate

References

1. International consensus. Acellular matrices for the treatment of wounds. An expert working group review. London: Wounds International, 2010.

The study

Background: The post-marketing surveillance study² evaluates the effectiveness of a collagen calcium alginate dressing* on chronic wounds in conjunction with standard care practices. The study was conducted across 3 wound care centers in the United States over a period of 3 weeks.

Method: Cutimed® Epiona® was used on 31** patients with chronic wounds, such as DFU or VLU (mean wound age 301 days). Standard care was provided according to wound etiology. Primary endpoint was the reduction in wound size. Each visit monitored wound-related pain, wound size and characteristics, odor and infection.

Results: Mean reduction in wound size after 3 weeks was 38%. Change in wound size compared at week 1 and week 3 was statistically significant. No infections or adverse events were reported.

Mean reduction
38%

A native 3D matrix structure ensures rapid wound healing in hard-to-heal wounds.

Reduction in wound size after 3 weeks

Significant wound size reduction

38%

Complete wound healing

10%

0% 50% 100%

2. Sabo M et al. A Post-marketing Surveillance Study of Chronic Wounds Treated With a Native Collagen Calcium Alginate Dressing. *Ostomy Wound Management*. 2018;64(4):38–43.

* Cutimed® Epiona® (BSN medical, Hamburg, Germany) is a native 3-dimensional (3D) matrix structure that contains 90% native collagen and 10% calcium alginate.

** 30 of 31 participants completed the study

More Information
Read the full version
of the original study on Pub.Med.



Conclusion for clinical practice

Cutimed® Epiona® reduces the wound size of hard-to-heal wounds by an average of 38% within only 3 weeks as shown in this explorative study. Due to the open porous 3D structure and a close similarity to the human ECM, Cutimed® Epiona® not only meets the requirements of the International Consensus of Wound Experts for acellular matrices to reduce wound size but also boosts cell activity for rapid revascularization and tissue regeneration. The requirement for a low complication rate is also met.



Cutimed® Epiona®

