CYGNUS® MATRIX AMNIOTIC MEMBRANE TISSUE ALLOGRAFT

CYGNUS® MATRIX

CHRONIC RIGHT HEEL ULCER CASE STUDY

The patient is a 79-year-old male with a full-thickness diabetic foot ulcer in the medial/posterior heel, which had been existent for 18 months prior to the first application of CYGNUS® Matrix amniotic membrane tissue allograft. The wound was granulated, necrotic, macerated, and staged as a Wagner grade 3.

APPLICATION OF VIVEX® BIOLOGICS CYGNUS® MATRIX AMNION TISSUE ALLOGRAFT AND OUTCOME

CYGNUS Matrix amniotic membrane tissue allografts were applied to the full-thickness diabetic foot ulcer as a wound covering, providing protection while retaining endogenous growth factors.[1,2] ADAPTIC™ Non-Adhesive Silicone Dressing, Steri Strips, and gauze were applied as a dressing.

PRE-APPLICATION OF CYGNUS MATRIX

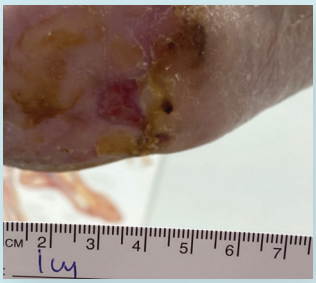
Wound Dimensions:
3cm L x 1cm W x 0.2cm D

AFTER 1ST APPLICATION OF CYGNUS MATRIX

Wound Dimensions:
2.5cm L x 2cm W x 0.2cm D

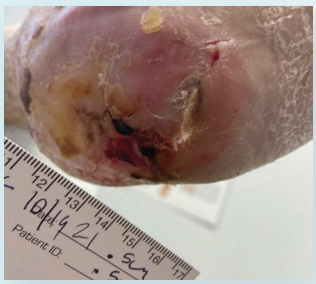
AFTER 2ND APPLICATION OF CYGNUS MATRIX

Wound Dimensions:
1cm L x 1cm W x 0.2cm D



AFTER 3RD APPLICATION OF CYGNUS MATRIX

Wound Dimensions:
1cm L x 1cm W x 0.2cm D

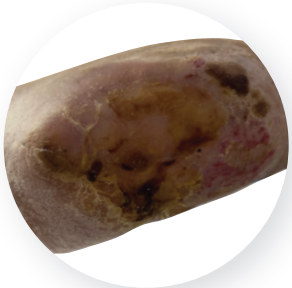


AFTER 4TH APPLICATION OF CYGNUS MATRIX

Wound Dimensions:
0.5cm L x 0.5cm W x 0.2cm D

AFTER 5TH APPLICATION OF CYGNUS MATRIX

Wound Dimensions:
0.5cm L x 0.5cm W x 0.1cm D



After 5 CYGNUS Matrix applications over the course of 7 weeks, the wound experienced complete closure.

The patient had previously been treated with traditional wound care and other products, such as collagen powder and a competitive cryopreserved placental membrane. These methods did not work. Utilizing CYGNUS Matrix **closed a long-standing ulcer.**

CONCLUSION

This case study demonstrates the use of VIVEX CYGNUS Matrix amniotic membrane tissue allograft as a wound covering to help close a chronic full-thickness diabetic foot ulcer. The CYGNUS tissue allograft is easy to apply, is available in multiple sizes, and will conform to wounds.

CYGNUS MATRIX

CYGNUS Matrix is a multi-layer membrane allograft maintaining the amnion layer, its intermediate/spongy layer, and the chorion layer of the amniotic sac. VIVEX's Integrity Processing™ preserves the inherent properties of amniotic tissues, maintaining key extracellular matrix molecules, proteins, carbohydrates, collagen, growth factors, and cytokines.[1]

SAFE AND TRUSTED PARTNER

VIVEX Biologics is a regenerative solutions company focused on patient care through the innovation of tissue-based therapies in Wound Care, Ortho-Fusion, and Interventional Pain. With more than 50 years of highly safe and effective operations, VIVEX aims to provide advanced regenerative solutions.

- Amniotic tissue is recovered from healthy mothers at live births.
- Amniotic tissue is handled and processed in accordance with both FDA regulations and AATB standards.
- VIVEX maintains the trend of safely delivering over 2 million allografts with no disease transmission.

1. *Delcroix Gaetan J. R., et. al. "Preserving the Natural Regenerative Potential of Amniotic Membrane." VIVEX Biologics, 2017.*
2. *Niknejad, Hassan, et. al. "Properties of the Amniotic Membrane for Potential Use in Tissue Engineering." European Cells and Materials, 2008, vol. 15, pp. 88-89.*

VIVEX BIOLOGICS

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