

# ▶ MIAMNION® SINGLE WITH WIDELY MESHED SKIN GRAFT

# MIAMNION®

## SECOND- AND THIRD-DEGREE BURNS ON LOWER EXTREMITIES

The patient is a 44-year-old male with 15% total body surface area second- and third-degree burns involving bilateral lower extremities and the anterior trunk.

### ▶ APPLICATION OF VIVEX® BIOLOGICS MIAMNION TISSUE ALLOGRAFT

The patient underwent a tangential excision of the burn and application of allografts. At the time of final reconstruction, split thickness skin grafts were meshed in a 3:1 ratio, with the intention of reducing donor site morbidity, and were used to cover the bilateral lower extremities [Figure 1 and Figure 2].



Area of deep second-degree and third-degree burn wounds in bilateral lower extremities was covered with split thickness skin grafts, meshed 3:1.

The grafts in this area were then covered with VIVEX Biologics MIAMNION single layer amniotic membrane as a skin substitute, and then covered with Bacitracin to maintain moisture [Figure 3 and Figure 4].

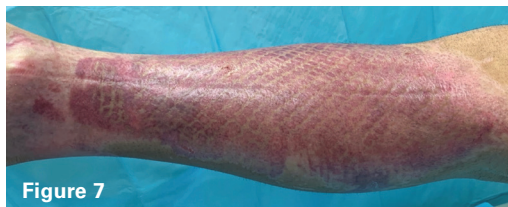


Grafts were covered with MIAMNION single layer amniotic membrane tissue allograft.

Three weeks after the application of the MIAMNION single layer amniotic membrane tissue allograft, the second- and third-degree burns showed significant healing [Figure 5, Figure 6, Figure 7].



Post-operative photos at 3 weeks, showing healing.



### ▶ CONCLUSION

This case study demonstrates the use of VIVEX Biologics MIAMNION single layer amniotic membrane tissue allograft as a barrier membrane to help resolve second- and third-degree burns in the bilateral lower extremities. The MIAMNION tissue allograft is easy to apply, is available in multiple sizes and will conform to wounds.

# ▶ MIAMNION® SINGLE WITH WIDELY MESHED SKIN GRAFT

THIRD-DEGREE HOT OIL BURNS ON THIGH

# MIAMNION®

The patient is a 62-year-old diabetic male with 3% total body surface area third-degree hot oil burns involving the right thigh.

## ▶ APPLICATION OF VIVEX® BIOLOGICS MIAMNION TISSUE ALLOGRAFT

The patient underwent a tangential excision of the burn and application of allografts. At the time of final reconstruction, split thickness skin grafts were meshed in a 3:1 ratio, with the intention of reducing donor site morbidity, and were used to cover the bilateral lower extremities [Figure 1 and Figure 2].



Figure 1



Figure 2

Area of third-degree burn wounds in bilateral lower extremities was covered with split thickness skin grafts, meshed 3:1.

The grafted wounds and the donor site on the contralateral side were covered with VIVEX Biologics MIAMNION single layer amniotic membrane as a skin substitute, and then covered with Bacitracin to maintain moisture [Figure 3, Figure 4, Figure 5].



Figure 3



Figure 4

Grafts were covered with MIAMNION single layer amniotic membrane tissue allograft.



Figure 5

Three weeks after the application of the MIAMNION single layer amniotic membrane tissue allograft, the third-degree hot oil burns showed significant healing [Figure 6 and Figure 7].



Figure 6

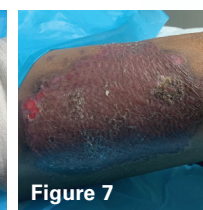


Figure 7

Post-operative photos at 3 weeks, showing healing.

## ▶ CONCLUSION

This case study demonstrates the use of VIVEX Biologics MIAMNION single layer amniotic membrane tissue allograft as a barrier membrane to help resolve third-degree hot oil burns in the lower extremities. The MIAMNION tissue allograft is easy to apply, is available in multiple sizes and will conform to wounds.



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