The Use of Ovine Collagen Extracellular Matrix Dressings in the Effective Treatment of Wounds for Fast Closure and Treatment of Nerve Pain

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BACKGROUND

The purpose is to demonstrate the use of ovine collagen extracellular matrix (OECM) in the treatment of wounds with delayed healing in patients that presented with nerve pain. Wound closure can be a challenging process, but the presence of nerve pain within the wound can limit the provider's options for many advanced therapies, including debridement and certain types of dressings. The wound care team was aware that OECM promotes granulation tissue and proviides a temporary scaffold to help cells migrate, leading to well-vascularized, healthier healing, so effect on nerve pain in these patients has improved our standard of care of the wound bed.

METHODOLOGY

Three cases involve patients with nerv healing wounds with nerve pain. With the introduction of OECM, the patients had a decrease in pain within the first week and no pain shortly thereafter. The wounds were surgically debrided and advanced wound care modalities such as hyperbaric oxygen therapy (HBOT) and negative pressure were used in conjunction with OECM.

CONCLUSION

In the presented, OECM showed favorable results in decreasing nerve pain and thus aided in our efforts to provide the treatments necessary to heal the wound at an accelerated rate.

Limitations can be higher risk of infection or moisture accumulation.

REFERENCES

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CASE STUDY 1

CASE STUDY 2

CASE STUDY 3

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