InnovaMatrix™ AC

Case Study

Post-Operative Incisional Wound Dehiscence, Tarsal Excision

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Triad Life Sciences® is a biotech company dedicated to increasing patient access to innovative, reliable and affordable technologies that address acute, traumatic, and chronic wounds, surgical applications, soft tissue injuries, and other regenerative applications.

Products Used:
InnovaMatrix™ AC
Wound Type:
Surgical Wound Dehiscence
Applications: One
Time to Close: Seven days

Patient and Diagnosis:
A 77-year-old female patient presented with a post-operative surgical incisional dehiscence approximately two weeks after the surgical procedure.

Comorbidities:
Diabetes Mellitus, Diabetic Neuropathy, Charcot Arthropathy

Prior Treatment History:
The index surgical procedure was for excision of a tarsal bone. Patient presented with a post-operative surgical wound dehiscence with a length of 1cm and a width of 0.2cm (*Image 1*). Initial treatment of the wound dehiscence involved disinfection and sharp debridement to clean margins. Four weeks of successive treatments did not resolve the wound.

Wound Treatment and Outcome:
Following four weeks of standard of care treatments, the wound underwent sharp debridement and cleaning leaving a wound 1cm in length and 0.2cm in width (*Image 2*). InnovaMatrix AC was placed on the wound followed by a non-adherent secondary dressing and gauze. The patient was placed in a walking boot and allowed to weight bear. At the one-week follow-up appointment, the wound was closed (*Image 3*) and the patient transitioned to a diabetic shoe with custom orthotics. At the six-week follow-up appointment, the wound remained closed and healed (*Image 4*).

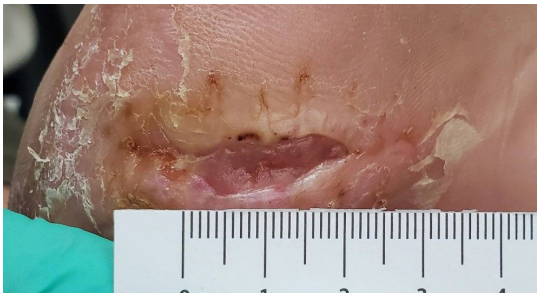

Image 1: *Measurements at presentation were 1cm x 0.2cm*

Image 2: *Post-debridement measurements were 1cm x 0.2cm*

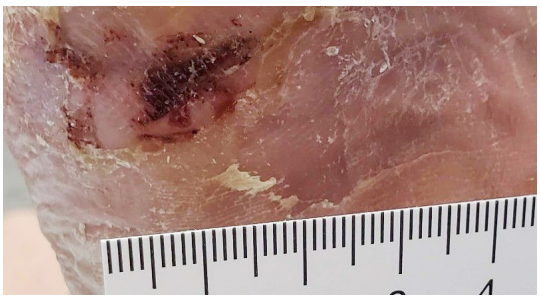

Image 3: *Wound closed one week after InnovaMatrix AC placement*

Image 4: *Wound remained closed six weeks after InnovaMatrix AC placement*

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