

RENASYS[®] WOUND+ Dressing Kit with AIRLOCK[®] Technology successfully utilized to manage a lower leg wound originating from a dog bite

Presentation

A 75-year-old female presented following a dog attack with trauma to the right lower leg. After initial assessment, the wound was surgically debrided and treated with traditional negative wound therapy (tNPWT) for 14 days prior to commencing treatment with RENASYS EDGE tNPWT and RENASYS WOUND+ Dressing.



Treatment

- Initially the wound underwent post-surgical debridement and treatment with tNPWT that incorporated an acrylic based drape
- The treatment goal for this wound was to promote granulation tissue in preparation for eventual skin graft
- Decision was made by the plastic surgeon to switch treatment to RENASYS EDGE tNPWT with RENASYS WOUND+ Dressing
 - Continuous tNPWT at -80mmHg
 - RENASYS black foam was used to fill the wound
 - Dressing changes occurred every 2–3 days
 - The wound bed was debrided during dressing changes
 - Exudate levels remained low throughout therapy
- After 2-week period, a Biodegradable Temporizing Matrix (BTM) skin substitute was used as a graft and placed in the wound bed to help promote granulation of the exposed tendon
 - RENASYS WOUND+ treatment was continued to bolster the BTM

Prior to surgical debridement and initiating treatment with RENASYS WOUND+ Dressing Kit



LWD:
20 x 19 x 0.5cm

Figure 1

Outcomes



HCPs noted:

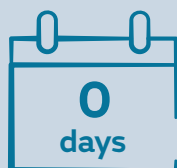
"A reduction in edema in the leg helped reduce the wound size"

"The peri-wound skin looked great"



Treatment with RENASYS WOUND+ Dressing resulted in a progressively smaller and granulating wound bed

Assessment



Post-debridement and initiation of treatment with RENASYS® WOUND+ Dressing



Wound bed is well debrided to reveal vascularized soft tissue. Multiple tendons are exposed in this almost circumferential distal leg wound.

LWD:
20 x 19 x 0.5cm

Figure 2



after initiating treatment with RENASYS WOUND+ Dressing Kit



Formation of granulation tissue was observed, starting within 3 days of initial application. Improvements in peri-wound skin and 15% reduction in wound size.

LWD:
18 x 18 x 0.5cm

Figure 3



after initiating treatment with RENASYS WOUND+ Dressing Kit



Wound bed appears healthy and granulating. Wound progressed ready for converging with BTM skin substitute at this timepoint. Wound size reduced by 15% since day 0.

LWD:
19 x 17 x 0.5cm

Figure 4

Summary

RENASYS WOUND+ Dressing was successfully utilized during the initial stages of healing in this open traumatic wound. The treatment goals of granulation tissue promotion and wound size reduction were achieved, alongside an observable reduction in edema. RENASYS WOUND+ Dressing was also used to bolster the application of a Biodegradable Temporizing Matrix (BTM) skin substitute that was used as a graft.

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