



Wound Management Case Study #4 Equine

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Case Study: Treatment
of a Severe Hoof Injury
in a Single-Foot Breed
Mare Using Sil.Vet
Solution



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Species/Breed: Mare – Single-Foot Breed

Environment: Free-range / Pasture

Case Start Date: December 11, 2021

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Injury Description – Initial Condition (11/12/2021)	Pic.1
The mare sustained a traumatic injury when her leg became caught in a fence, resulting in the partial avulsion of the skin and damage to the coronary band (coronet). Initial Treatment Protocol: The wound was thoroughly irrigated with running water. It was then cleansed using Hartmann solution. A secondary rinse was performed. Mechanical debridement was conducted using Sil.Vet solution. The wound was dressed with Sil.Vet , and a tube was installed to enable continuous irrigation and maintain moisture.	 
Follow-Up – Day 2 (13/12/2021)	Pic.2
A clear view of the coronary band injury and partial hoof wall avulsion was observed at the rear section. Minimal discharge was present, with no foul odor. Further cleansing and mechanical debridement were done using Sil.Vet. The wound was redressed, and a tube was reinstalled to enable continuous application of the solution and maintain optimal wound moisture.	
Follow-Up – Day 6 (17/12/2021)	Pic.3
Healthy granulation tissue was clearly visible. Mechanical debridement was carried out using gauze pads soaked in Sil.Vet solution. The wound was redressed post-debridement.	 
Final Outcome – Day 9 to Day 13 (20/12/2021–24/12/2021)	Pic.4
Day 9 to Day 13 (20/12/2021–24/12/2021) Dressing was changed; granulation tissue appeared very healthy. Mare exhibited no signs of pain or lameness. Final debridement was completed and wound re-dressed. By Day 13, the wound showed full closure with no complications.	 Day 13

Conclusions: Complete wound closure within 13 days

- The use of **Sil.Vet** solution in this case resulted in successful wound healing with the following observed benefits:
- Effective for **wound irrigation**, **mechanical** and **autolytic debridement**
- Enables **moist wound healing** with continued dressing and irrigation
- **Safe for veterinary use**, **Antimicrobial efficacy** noted throughout the process
- **Pain reduction** and **promotion of healthy granulation tissue**