

## Equine Case Study

### Horse with Deep Penetrative Fetlock Wound

Case Report Reference 2020003

#### Case Presentation

The horse was presented to Dr Paul Kelly, Veterinary Surgeon, and Roisin Dixon, Veterinary Nurse, of Kelly Veterinary Hospital, Ratoath, Co. Meath, Ireland. The horse had suffered a “*deep penetrative Fetlock wound*”. (Fig 1).

A horse’s Fetlock is the joint between the horse’s cannon bone and pastern bone and is the ankle of the horse. The fetlock is an extremely dynamic and sensitive joint, a very high-motion, critical component of the intricate mechanism of the lower limb of the horse. Since the lower limb of a horse is a very high motion area and the skin is less vascular than other areas, lower limb wounds may take a long time to heal and require extra treatment.



Fig. 1. Day 1 of case presentation

#### Treatment

The decision was taken to treat the affected area with the topical barrier ointment, Eire Hide®, without any dressing or bandage\*.

Eire Hide®, from Copper Hawk Ltd, is a formulated, soothing barrier ointment that can be applied to all animal affected skin. Eire Hide® incorporates a specific blend of botanical extracts whose properties include anti-inflammatory<sup>5,6</sup> anti-oxidant<sup>1</sup> and antibacterial<sup>4</sup> behaviour to accompany accelerated healing of affected animal skin.<sup>1,2,3,6</sup>

The Hospital reported that “*the wound was gently cleaned and the recommended application regime of Eire Hide® was once daily.*” By day 9 the affected wound had shown a good degree of granulation. (Figs 2 & 3)



Fig. 2 Day 4 of application of Eire Hide®



Fig. 3 Day 9 of application of Eire Hide®

## Outcome

By day 20 of the application of Eire Hide® the healing of the affected area had progressed exceptionally well showing almost full recovery of skin integrity. (Fig. 4)



Fig. 4 Day 20 of application of Eire Hide®

Eire Hide® has been shown to support the acceleration of the healing of this affected area of this horse. The product was found to be easy to apply with excellent adherence and good animal compliance. Eire Hide® is now the Kelly Veterinary Hospital's first choice of ointment for application to animals with affected skin that cannot be sutured.

\*Additional information about Eire Hide® can be found on [www.copperhawk.ie](http://www.copperhawk.ie).

## References

1. Hashim et al. (2012) Triterpene composition and Bioactivities of *Centella Asiatica*. *Molecules*.
2. FangWu et al. (2012) Identification of Major Active Ingredients Responsible for Burn Wound Healing of *Centella Asiatica* Herbs. *Evidence-Based Complementary and Alternative Medicine*.
3. Nassim Moradi Rad et al. (2018) The Wound Healing Effect of *Plantago Major* Leaf Extract in a Rat Model: An Experimental Confirmation of a Traditional Belief in Persian Medicine. *Herbal Medicines Journal*.
4. Jimenez-Gonzalez et al. (2013) Anti-infectious activity in plants of the genus *Tabebuia*. *Journal of the Faculty of Science, Pontificia Universidad Javeriana*
5. Hussan et al. (2015) Anti-Inflammatory Property of *Plantago Major* Leaf Extract Reduces the Inflammatory Reaction in Experimental Acetaminophen-Induced Liver Injury. *Evidence-Based Complementary and Alternative Medicine*.
6. Hamed et al. (2017) The Genus *Scrophularia*: A Source of Iridoids and Terpenoids with a Diverse Biological Activity. *Journal of Pharmaceutical Biology*.