

## Canine Case Study

### Dog with two deep forearm dorsal wounds

#### Case Presentation

The dog was a 2 year old male Lurcher which was presented to Dr Paul Kelly of Kelly Veterinary Hospital, Ratoath, Co. Meath, Ireland. The dog had suffered two tissue wounds to the dorsal aspect of the forearm of the left forelimb. The wounds were deep with bone exposed. (Fig 1).



Fig. 1. Day one of wound presentation.

#### Treatment

The decision was taken to treat the wounds with the topical wound ointment, Eire Hide<sup>®</sup>, in conjunction with gauze and a light bandage\*.

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

The wounds were gently cleaned and the recommended application regime of Eire Hide<sup>®</sup> was once daily with each wound filled with Eire Hide<sup>®</sup> and then covered by a gauze and light bandaging.

#### Outcome

By Day 13 of the application of Eire Hide<sup>®</sup> the wound healing had progressed exceptionally well showing significant level of tissue regeneration and the filling of the tissue deficits. (Fig. 2.)



Fig. 2. Day 13 of Eire Hide® application.

By Day 20 the two wounds had almost completely healed and the hair had already begun to regrow with scarring being minimised. (Fig 3).



Fig. 3. Day 20 of Eire Hide® application.

Eire Hide® has been shown to support the acceleration of the healing of these two deep wounds and facilitated an exceptional level of tissue regeneration, supported hair regrowth and aided in minimising scarring. The product was found to be easy to apply with excellent adherence and good animal compliance. Eire Hide® is now Dr Kelly's first choice of product for treating veterinary wounds 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. Hamedt et al. (2017) The Genus *Scrophularia*: A Source of Iridoids and Terpenoids with a Diverse Biological Activity. *Journal of Pharmaceutical Biology*.