

Canine Case Report

Terrier with Deep Wound Following Removal of Large Mass from Caudal Elbow

Case Report Reference 2020005

Case Presentation

A 14-year old neutered female terrier was presented to Megan McNally, Veterinary Nurse, of Beaufield Veterinary Centre, Celbridge, Co. Kildare, Ireland. The terrier had a large mass removed from the caudal elbow and an advancement flap from the lateral thorax was subsequently applied to close the defect; a drain was placed and the limb bandaged.

Wound Treatment

Three days later the drain was removed. There was mild oedema of the antebrachium and the distal aspect of the flap was quite bruised. An E-collar was kept on. Seven days later necrosis was noted at the distal end of the flap. The scabbing present was removed and granulation tissue observed underneath.

Tie over swabs and Beaufield Veterinary Centre's standard wound ointment were applied at this point. The Centre recorded that *"the dressing changed every day for seven days, with no improvement."*

The decision was taken to stop using the standard wound ointment and instead apply the topical ointment, Eire Hide®, to the affected area.*

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^{5,6} anti-oxidant¹ and antibacterial⁴ behaviour to accompany accelerated healing of affected skin.^{1,2,3,6}

Eire Hide® was applied with tie over swabs in place. This was subsequently changed and Eire Hide® reapplied every second day for four weeks. The Beaufield Veterinary Centre reported that *"the granulation bed became cleaner and began to reduce in size"*.



Fig. 1. Week 1 of application of Eire Hide® ointment



Fig. 2 Week 2 of application of Eire Hide® ointment



Fig. 3 Week 3 of application of Eire Hide® ointment



Fig. 4 Week 4 of application of Eire Hide® ointment

Outcome

Following the decision to apply Eire Hide® ointment instead of the Centre's standard wound ointment the healing of the affected area demonstrated significant improvement during the subsequent 4-week period. (Fig.s 1 - 4). Eire Hide® was shown to be effective at accelerating the healing of the affected area in this case.

*Additional information about Eire Hide® can be found on 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*.