

## Use of SCX patented technology in horse wound healing :

### case report OBJECTIVE AND METHODS

Horse is frequently subject to traumatic events that could turn into different kinds of wounds. Because of the impossibility of intervening surgically on some kinds of wounds and because of the wound body location, and also because of the contaminated environment horses use to live, some kinds of wounds worst, become chronic, never heal, and in some cases can even preventing/stopping the use of the wounded horse, or its agonistic carrier.

**SCX-Powder complex** (Silica Dioxide functionalized with Silver Ions and Chlorexidine) is made from silicon dioxide functionalized with Silver Ions and Chlorhexidine; it is incorporated into a barrier-film created by the kaolin and hyaluronic acid.

In human medicine, silver in ionic form is certainly in the first place among the antiseptics available, either in the case of a full-blown infection or critical colonization, or in the case of non-infected lesions but with high-level risk of infection<sup>2,3</sup>. Treatment with SCX technomolecular silver complex powder of 187 ulcers and 150 cases of IAD (Incontinence Associated Dermatitis) in humans<sup>3</sup> demonstrated an absolute efficacy in terms of antiseptic action, with signs of infection reduction by 98.9% within 2 weeks, 61.7% reduction in the mean area (Wound Area Reduction - WAR) and has been shown to increase the Healing Rate significantly. The **aim of this study**, which is still ongoing, is to evaluate the effectiveness of the patented SCX innovative technology in horse traumatic wounds healing. The protocol involves the application of SCX spray powder once a day after cleansing the wound with water, without any antibiotic treatment and without any bandage.

### CONCLUSIONS

The patented SCX technology is a powder spray formulation that forms a barrier-film creating thus a protected environment from microbial aggressions and fostering the restoration of the normal physiological conditions useful to speed up healing. Silver ion performs a broad spectrum antimicrobial action and chlorhexidine an antiseptic action. Kaolin absorbs the excessive wound exudate and Hyaluronic Acid works as a film-forming polymer promoting hydration and tissue repair.

Based on clinical cases evaluation, signs of infection disappeared with SCX powder spray ' daily application and complete wound healing was achieved within 5 days, without any antibiotic coverage.

The results of this study confirm that SCX powder spray is an effective device in veterinary medicine as well, useful for promoting healing of horse traumatic wounds and for preventing microbial contamination even in the absence of antibiotic coverage.

### BIBLIOGRAPHY

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**RESULTS: CASE REPORT**

**Case 1**

Pure Spanish race 6 year old horse



**Day 1.** Traumatic injury after grazing accident



**Day 1.** Application of SCX powder spray



**Day 2.** Result after SCX first application

**Case 2**

Pure Spanish race 10 year old horse



**Day 1.** Traumatic injury



**Day 3.** Result after two applications of SCX powder . Complete wound healing within day 5.

