AUBURN UNIVERSITY STUDY:

(Photos may be found at the bottom of this case study)

December 2, 1996

Dear HYMED Group Corporation,

The following report is of an interesting equine clinic case that had a severe leg laceration in which hyCure's TM collagen powder was responsible for a successful outcome.

"Ryan", a 14-year-old, 1500# Thoroughbred gelding (Figure 1) was presented to Auburn University's Large Animal Clinic after receiving a severe laceration of right hind leg (Figure 2a, 2b, and 2c). On initial examination, a 10 x 30 cm wound was present along the dorsum of the hock and metatarsus that extended to the bone and completely severed the long digital extensor tendon. The wound was cleansed, debrided, and an attempt was made to suture healthy tissue (Figure 3). During the following one year, the horse underwent multiple debridement surgeries, sequestrum removal procedures, and pinch and punch grafting sessions. The wound continued to be extremely large (15 x 7.5 cm) even after a one year period of time (Figure 4).

The hyCure'sTM collagen powder was subsequently tried by applying a small amount topically to the wound site at each bandage change (approximately every 1-3 days). At times, a steroid ointment was applied in addition to the hyCureTM collagen powder in order to prevent excessive granulation tissue from developing. In a one month period, noticeable epithelialization had occurred from the wound edges and the wound diameter had decreased in size (12.5 x 5 cm) (Figure 5). At two months, the wound was noticeably smaller (9 x 4.5 cm) (Figure 6). And at three months, further epithelialization had occurred and the wound diameter had decreased (8 x 4 cm) (Figure 7).

Six months later, and unfortunately after a second moderate traumatic event and laceration of the same region one month earlier (Figure 8), the wound continues to epithelialize (Figure 9).

Sincerely,

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Figure 1
"Ryan," a 14-year-old
Thoroughbred gelding
received a large,
deep wound to the right
hind leg.

Figure 2 (a, b & c) A severe laceration of the right hind leg of a 14-yearold Thoroughbred gelding.



Figure 2a





Figure 2b

Figure 2c



Figure 3 Attempt at suturing a large, deep wound to the right hind leg of a 14-year-old Thoroughbred.



Figure 4 A wound to the right hind leg of a 15 year-old Thoroughbred that remained extremely large (15 x 7.5cm) after a one year period of time.



Figure 5
Noticeable
epithelialization
of right hind leg
wound after 1
month of topical
treatment with
hyCure TM
collagen powder.



Figure 6 Continued noticeable epithelialization of right hind leg wound after 2 months of topical treatment with hyCureTM collagen powder.



Figure 7 Further noticeable epithelialization of a right hind leg wound of a 25-year-old Thoroughbred after 3 months of topical treatment with hyCureTM collagen powder.



Figure 8 Noticeable epithelialization, despite second traumatic event to the right hind leg of a **15**-year-old Thoroughbred.



Figure 9
Continued epithelialization of right hind leg of 15 year-old Thoroughbred after 6 months of topical treatment with hyCureTM collagen powder.