

Laser Assisted Wound Healing for 4-Month-Old Foal



CASE SUMMARY

Case Courtesy of:

Jon Seiler, DVM, Orlando FL, USA.

Signalment: 4-month-old, Quarter/Appaloosa cross, gelding, "Magnum"

Diagnostics and Exam Findings: Foal was found with a deep laceration on the medial aspect of the forearm of the right front leg approximately 300 cm² on August 9, 2018.

Laser Treatment: Wound was treated with the large off-contact treatment head with a dosage of 9 J/cm² totaling 2,730 joules administered at 6.5 watts of power. The entire affected area & nearby healthy tissue margins were treated.

Frequency of Treatment: Laser treatment was delivered starting August 10th, then again on the 11th, then started daily on the 14th and continued through September 25th, for a total of 44 treatments.

Other Treatments: 4 grams of Phenylbutazone was given for first 4 days, then 2 grams daily for 3 days; 20cc of penicillin for first 10 days; topical spray "Creollina" solution for first 14 days; wound kept wrapped for first 10 days; after wound was left open the wound was cleaned with betadine solution and treated with "Equine Magic Salve" twice daily for first 30-days then backed down to once a day until wound was almost closed.

Comments: This type of wound would normally take a minimum of 90-days to heal and this wound was completely closed up on October 8th, 60-days from injury. Laser speeds up sloughing of the skin at the beginning of treatment to allow for faster healing. Sloughing was expected to take 7-10 days and occurred 4 days after injury on August 13th.

Supporting Documentation:

Pictures: Presentation Aug. 9th (initial injury), Aug. 13th (2 laser treatments), Aug. 19th (7 laser treatments), Aug. 29th (17 laser treatments), Sept. 7th (26 laser treatments), Oct. 8th (final)



Aug. 9th (initial injury)



Aug. 13th (2 laser treatments)



Aug. 19th (7 laser treatments)



Aug. 29th (17 laser treatments)



Sept. 7th (26 laser treatments)



Oct. 8th (final)



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