

## 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 cm<sup>2</sup> on August 9, 2018.

**Laser Treatment:** Wound was treated with the large off-contact treatment head with a dosage of 9 J/cm<sup>2</sup> 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 10<sup>th</sup>, then again on the 11<sup>th</sup>, then started daily on the 14<sup>th</sup> and continued through September 25<sup>th</sup>, 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 8<sup>th</sup>, 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 13<sup>th</sup>.

### Supporting Documentation:

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



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Aug. 13<sup>th</sup> (2 laser treatments)



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Oct. 8<sup>th</sup> (final)



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