

# Routine Post-op

**Non-Lasered**



**Lasered**





# Routine Post-op



1 week later



# Plasmacytic Stomatitis

## Problem

Lymphocytic Plasmacytic Stomatitis ; American Shorthair  
Excessive drooling and trouble eating. Very limited response to NSAIDS.

## Procedure

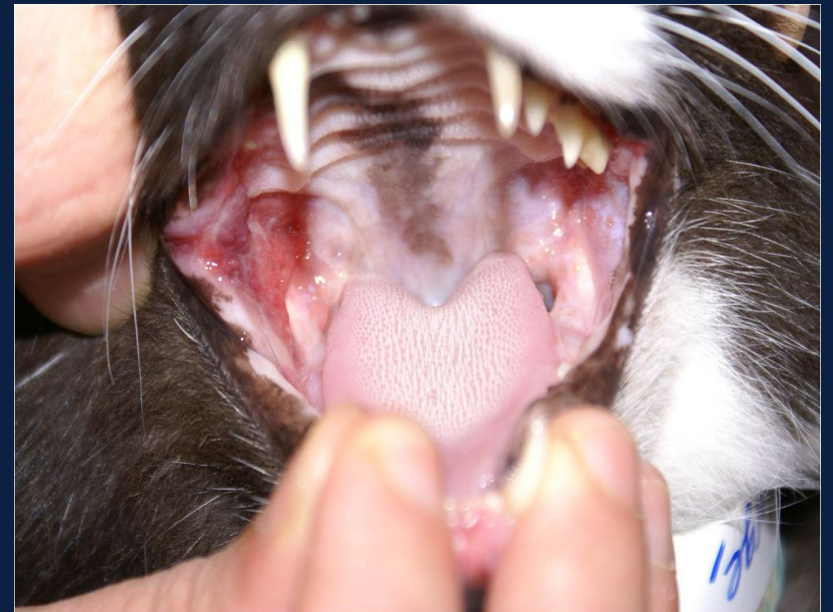
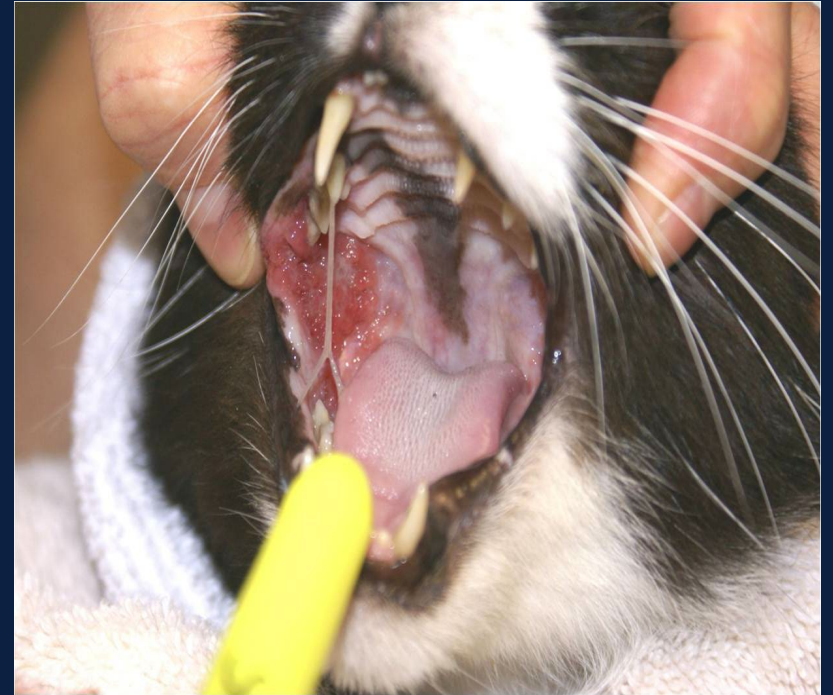
Class IV Laser Therapy 6 treatment protocol implemented on 5/28/08. (Image 1 pre-laser).

## Laser Settings

Edema/Swelling and Contaminated Wound.  
Note: Edema/Swelling setting used on initial therapy treatment due to patient testing positive for FIV.

## Outcome

Patient drooling ceased after initial treatment. Returned to normal appetite. Lesions receded.  
(Image 2 taken on 6/18/08 after six sessions)



# Case of Osteogenesis

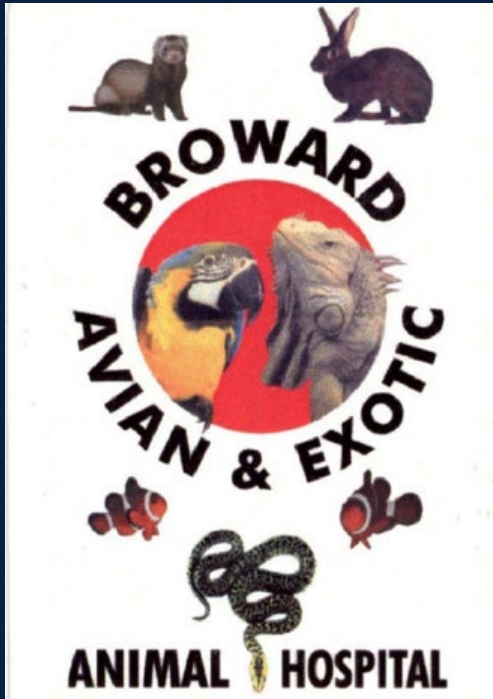




# Case of Osteogenesis



*“...the laser was used over a non-healing fractured metatarsal on an older Rottweiler. At seven weeks we were facing a malunion at which time we used the laser on a bone setting of 4 Hz. Nineteen days later, as our staff and board certified radiologist evaluated the radiograph, there was simply a feeling of disbelief I hesitate to overstate this, but I have seen enough malunions to know what was accomplished here. The fracture site was healed!”*



Santiago Diaz, DVM

- 2 yo, Male, 3.2 kg, Sandhill Crane
- Gunshot wound



# Traumatic Fracture

Treated daily for 5 days then weekly

**Pre-Op**



**4 Weeks Post-op**





# Bruising





# Snake Bite Case



- Lee Cundiff, DVM
- 4 YO 65 pound MN Airedale Terrier
- Snake Bite on 8/15







Initial surgery 6 weeks post envenomation



Almost healed





# Pododermatitis-9/23



# Pododermatitis-10/2





Chloe



# Chloe-After 6 Laser Treatments





# Twelve Hours Post-Laser

**Before**



**After**



# Case Study



- Dr. Jody Hallstrom of Pioneer Equine Hospital, Oakdale, CA
- Regan, a 20 yo QH mare used as child's rodeo horse



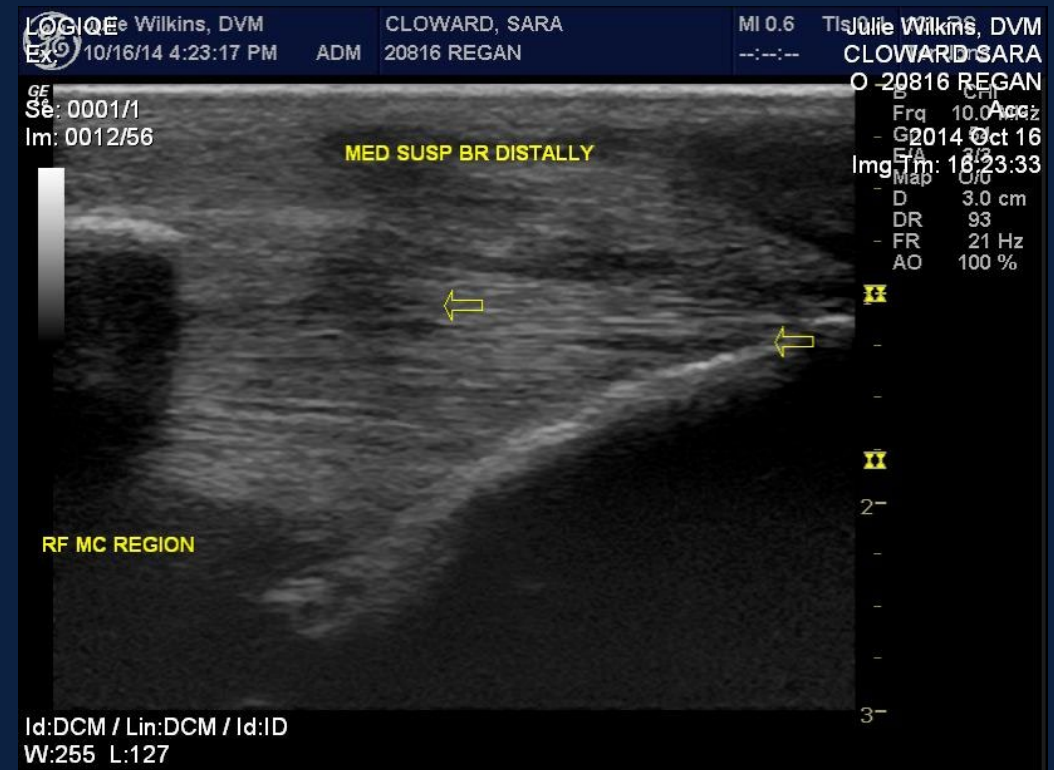
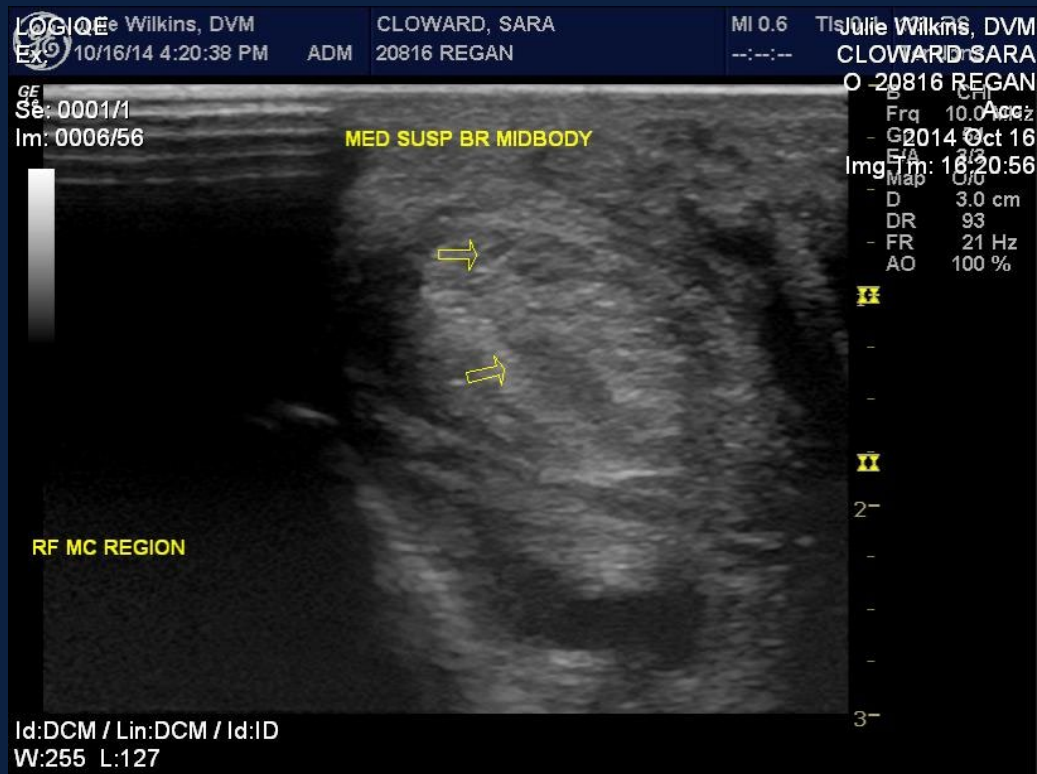
# Case Study

- Signalment: chronic suspensory desmitis
- Oct 2014: Acute exacerbation (Grade 4) after poor shoeing
- Changed Shoes
- Began Laser Therapy Nov 2014
- Hoping to finish season w/o getting worse



# Regan – Suspensory Ligament Branch

October 16, 2014



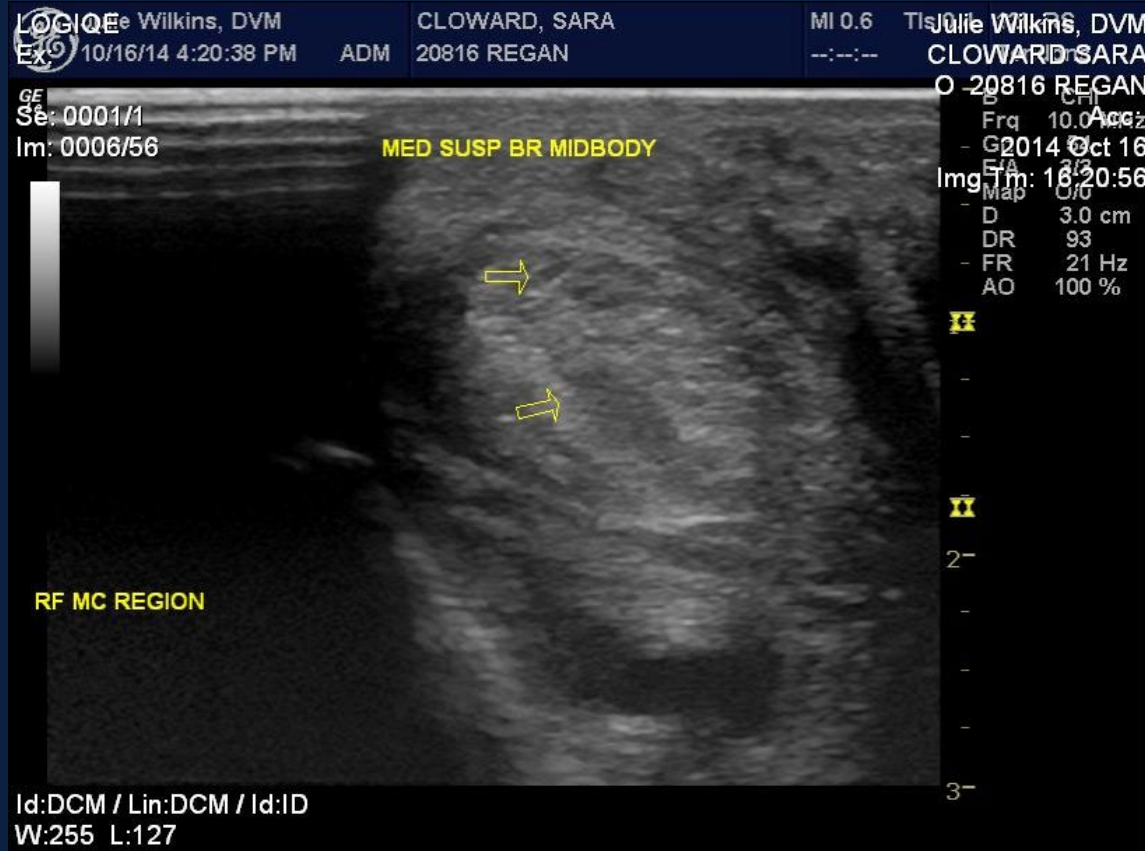


# Case Study

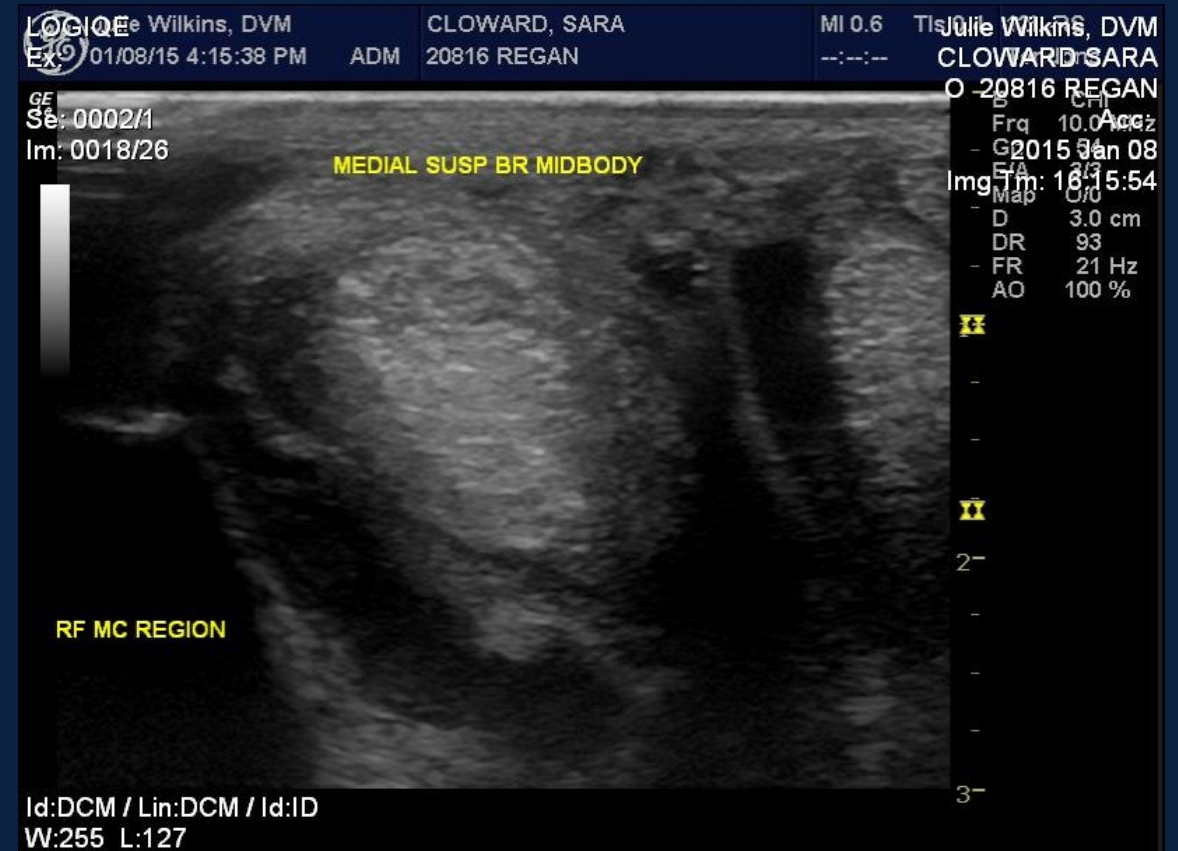
- January scan showed improvement in suspensory ligament fiber pattern in spite of chronic nature of her disease and continued work
- Mare continued to compete every 4-6 weeks with light riding/ponying in between
- No flare up at last shoeing
- Qualified and competed in CA State Finals
- Finished the season comfortably

# Regan – Suspensory Ligament Branch

October 16, 2014



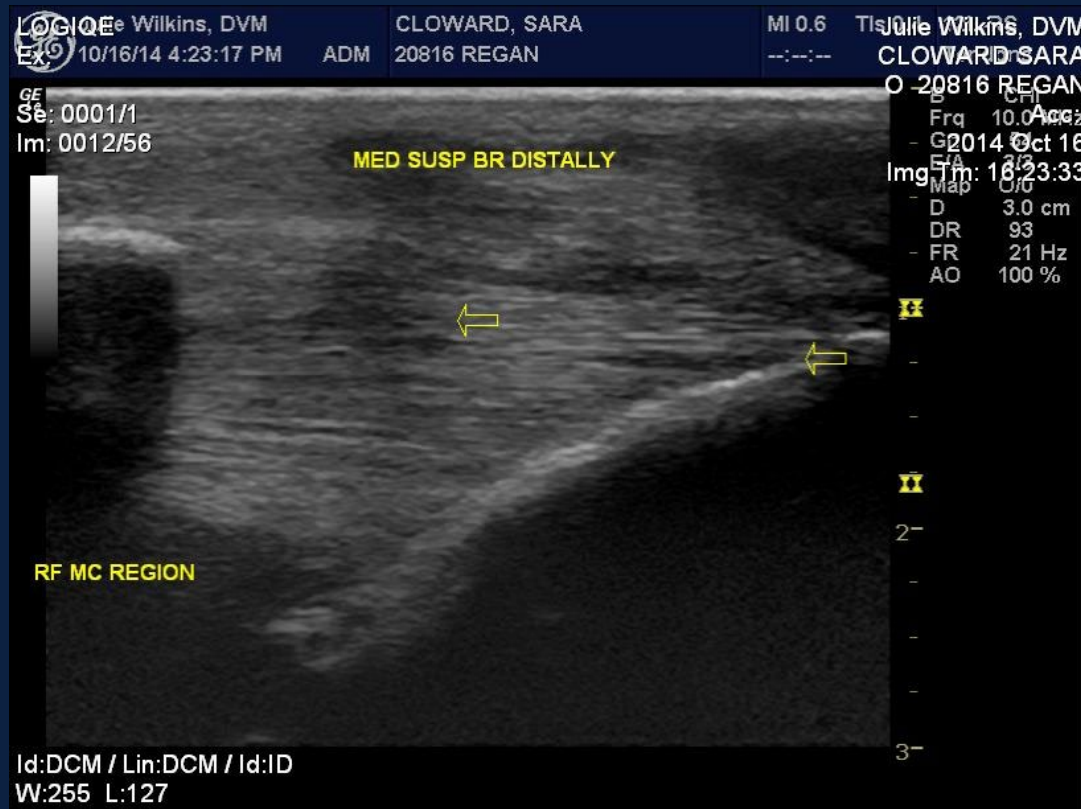
January 8, 2015



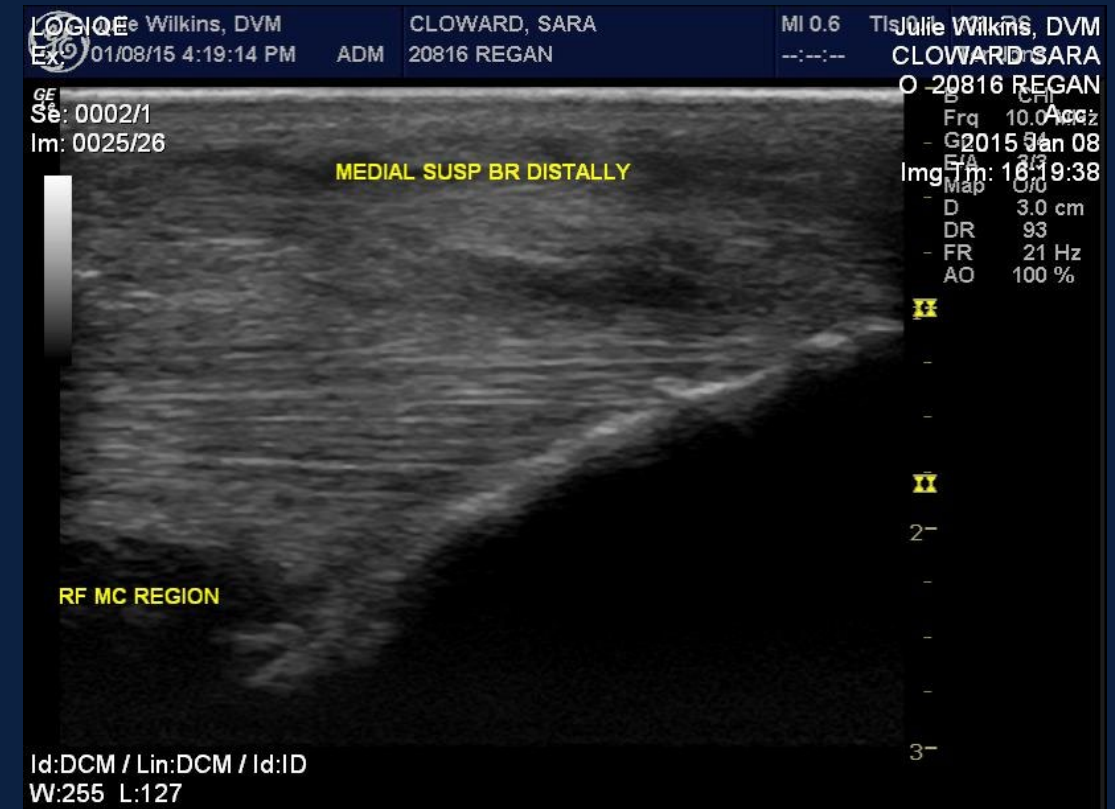


# Regan – Suspensory Ligament Branch

October 16, 2014



January 8, 2015







# Case Study



- Dr. Jody Hallstrom of Pioneer Equine Hospital, Oakdale, CA
- 25 yo mare wound

# Case Study - Sierra

- 20 year old Morgan mare
- History of a degloving injury to the RH cannon region 10 years prior
- Initial injury took one year and skin grafts to finally heal
- December 21, 2017 mare caught her leg in something again and tore off the old scar

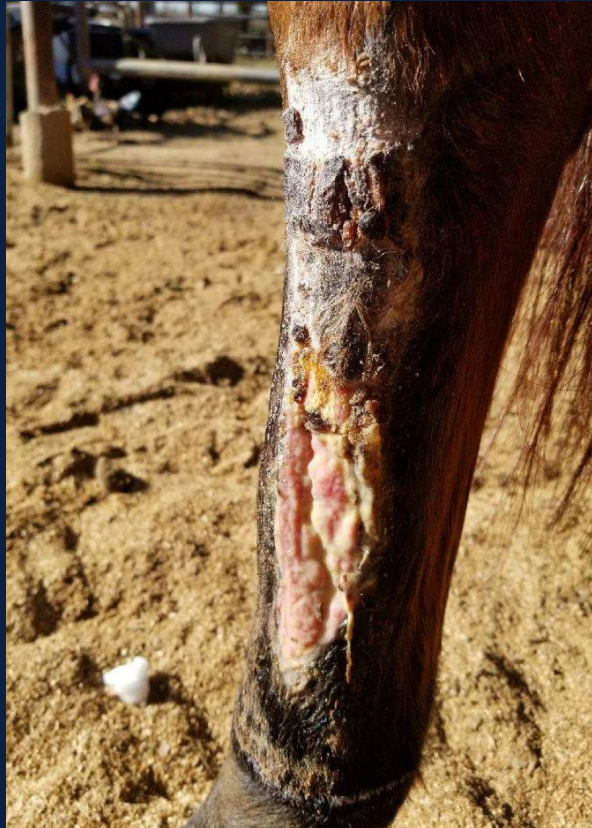




# Case Study

- Previous degloving of cannon bone 10 years prior
- One year of treatment with skin grafts to heal
- Recent injury in same area
- Bandage, White Lotion, and Laser therapy
- Healed in 8 weeks!

# Case Study



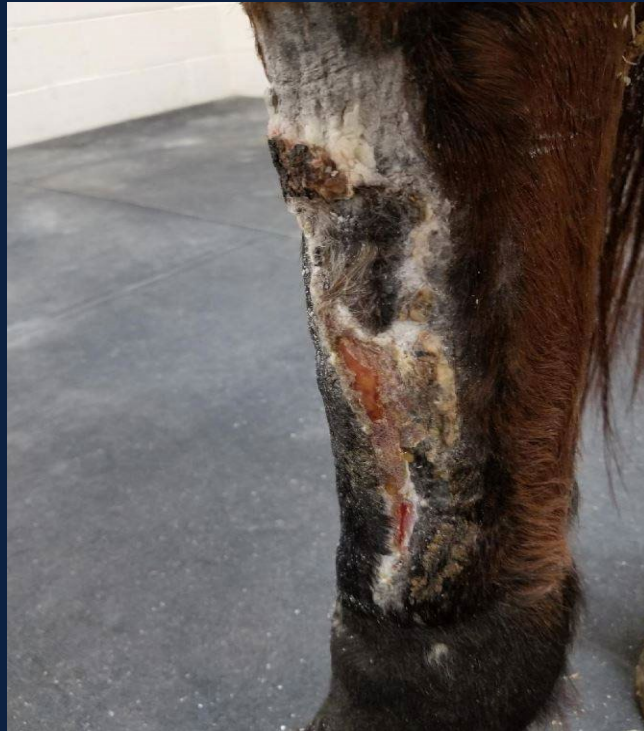
December 21<sup>st</sup> - Initial re-injury



Jan 8<sup>th</sup> - After two treatments



# Case Study



February 2<sup>nd</sup> - Before final (8th)  
laser treatment



Feb 16th - all closed

# Case Study

## Paddock Farm Enterprises - Geri Rowe

### Laminitic Pony

- 17 years old
- Has been treated with heart-bar shoes and box rest for some months
- Caught her tail in the box and had to have it amputated.
- Now on last chance working with a podiatrist trimming hooves.
- Fore feet are the worst





# Case Study

## 22/7/2017-Pretreatment



# Case Study

## 22/7/2017-Post-treatment



# Case Study

23/7/2017-After 2<sup>nd</sup> treatment

Owner reports standing better, less weight shifting, and less lying down





Wonder before first  
treatment with Laser  
and again two days  
later

Mount Vernon Animal Hospital



# Case Study



- Dr. Jody Hallstrom of Pioneer Equine Hospital, Oakdale, CA
- Mare - Corneal Ulcer

# Case Study

- Began Treatment with SPL system on October 12th
- One month later there had been little progression and the SPL system was starting to fail
- Severe erythema and blepharospasm
- Began Laser Therapy Nov 12th





# Case Study

Recheck on Nov 13<sup>th</sup> patient was comfortable with eye wide open for first time in over a month

Nov 16<sup>th</sup>



Nov 23rd



# Case Study

Laser therapy was performed again on Nov 13<sup>th</sup> then on the 16<sup>th</sup>, the 23<sup>rd</sup>, and Dec 4<sup>th</sup>.

A wound setting was used with 0.5 Watts and 60 Joules total were delivered directing the beam parallel to the corneal surface on Dec 12<sup>th</sup>.





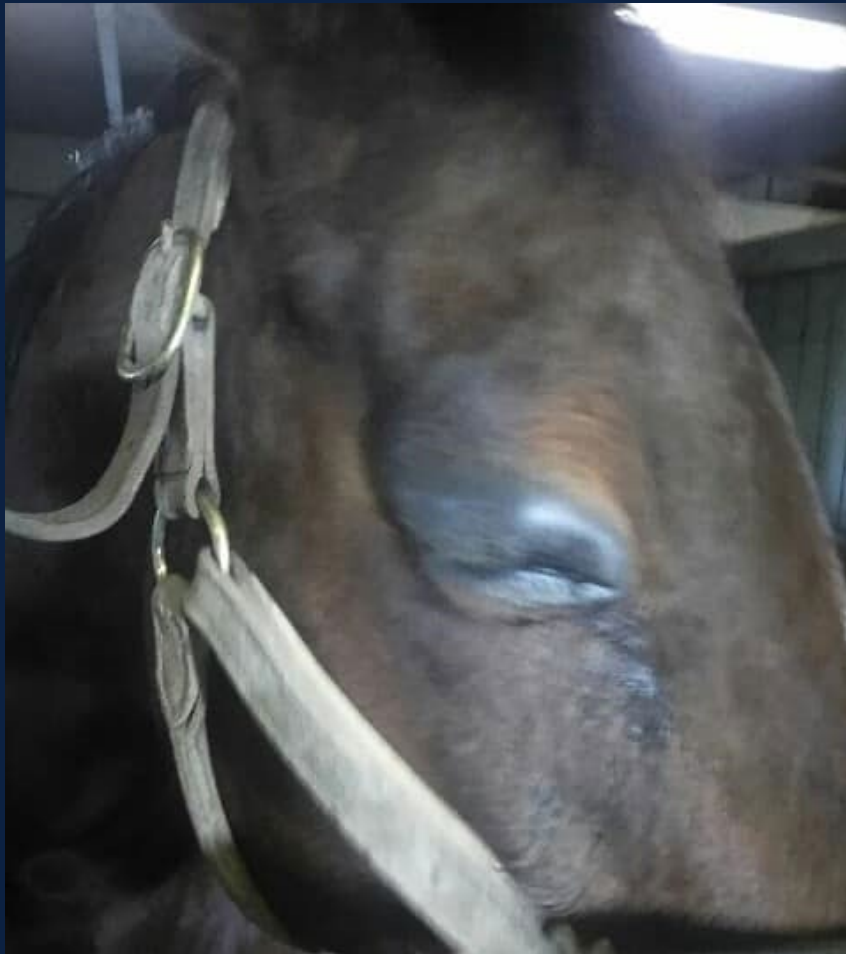
## Case Study - 4/2017





# Case Study

Ann Banks: David P. Banks Racing Stables, Wild Aire Farm, Division of David P. Banks Racing Stables  
Lexington, KY



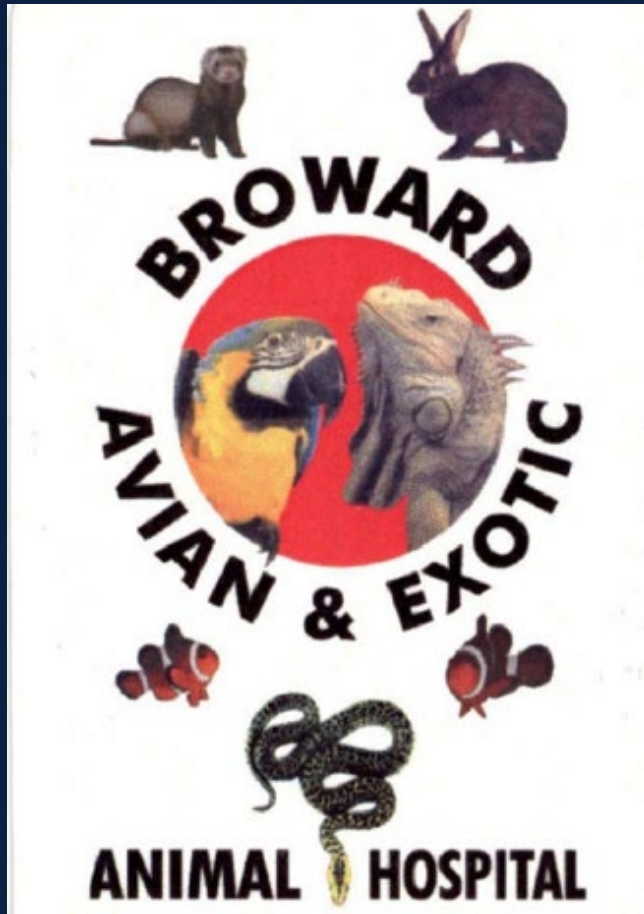
**24 hrs later & 1 laser treatment**

**Doctor:** Gardner, Antonia  
**Practice:** South Florida Wildlife Center, Fort Lauderdale FL  
**Patient:** Eastern Screech Owl Case # 14050926  
**Condition:** Puncture wounds on chest and ventral shoulder; Severely decreased range of motion and inability to fly

**Laser treatment was started as a last-ditch attempt** to salvage the shoulder. In the past, when shoulders have no range of motion after soft-tissue injury or fractures we have not had success in rehabilitating patients. We were very happily surprised when his **range of motion and function improved within a week of laser therapy** and physical therapy. I was thrilled when he was released with normal flight a little over a month later.

7/03/14: Flight normal, deemed ready for release.





Dr. Santiago Diaz, DVM

- 40 yo, male, 400 gram, Yellow- Nape Amazon
- Bumble Foot lesions present for 6 months





# Clinical Case

**Carole Baskin**  
**Big Cats Rescue**  
**Tampa, FL**

Jade, 17 YO leopard with a chronic Hot Spot/Lick Granuloma.

Has been treated with multiple therapies and enrichment modifications but continued to traumatize.





Before therapy



After 4 laser sessions

