



THERMAL TECH

Equine Thermal Imaging

Thermal Imaging Report Dee Dee



*Thermal Imaging completed by
a Certified Thermographer
Authorized with the EquineIR™
Network.*



*Interpretative results
completed by Licensed
Veterinarians in contract with
Integrated Equine Infrared.*



Thermal Tech
9545 Hw 11 W
Sulphur Springs, TX 75482
PH: 903-253-7307
E-Mail: randyphillips12@yahoo.com



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Sulphur Springs, TX 75482
PH: 903-253-7307
E-Mail: randyphillips12@yahoo.com

PATIENT: Dee Dee

THERMOGRAPHY DATE: 8/15/13

IMAGING TIME: 8:30am

August 22, 2013

Bonnie McAree
500 cr 2520
Alba, Texas 75410

Dear Bonnie McAree:

EquineIR was recently requested to perform a full body thermal imaging scan of: **Dee Dee**

The following photo report was completed by your EquineIR™ Certified Thermographer and all interpretative results were channeled through interpretir.com and subsequently formulated and input by a licensed veterinary team member with Integrated Equine Infrared.

The interpretation is intended to aid your state-licensed veterinarian in providing a diagnostic or treatment protocol. All follow-up testing and treatments should be conducted and administered by your primary veterinarian. The interpretation provided is based solely on the conditions at the time of survey and the thermal images included in this report. Thermography is a diagnostic tool that measures heat emitted from the surface of the patient. The thermal imaging camera converts infrared energy into a visible image. Emitted heat is related to circulation; as such, the thermal camera can help detect areas of inflammation as well as decreased circulation. Thermal symmetry is key, so you compare one anatomic area with the same area on the other side. The EquineIR™ report is prepared in this manner. It should be understood that correct patient preparation and environment are vital to a successful survey. Your EquineIR™ technician is also a Certified Infrared Thermographer and has been trained in the proper use and the proven techniques of thermal imaging as it is used with horses. There are however certain situations which may reduce the quality of the survey including the improper preparation of the horse prior to technician's arrival. The interpreting veterinarians who review the imagery base their findings and recommendations on information provided, so it is critical that proper care be taken in the preparation process to ensure success.

Thermal imaging is a physiologic modality and should not be relied upon as the sole diagnostic tool. A complete clinical examination by your state-licensed veterinarian is always recommended for the best diagnosis and follow-up treatment. This Report is not a definitive diagnosis of any illness or disease. It is intended for use only by licensed veterinary professionals to evaluate patient health, diagnose medical conditions, and provide treatment. It is not to be used by individuals for self-diagnosis or self-evaluation, nor for the diagnosis or evaluation of other non-qualified personnel. This report does not replace, nor is intended to replace a complete clinical evaluation by your state-licensed veterinarian. Under no circumstances will EquineIR™, Integrated Equine Infrared or its affiliates be held responsible for illness, injury, or death to the patient as a result of the information contained herein. This report does not replace, nor is intended to replace a complete clinical evaluation.

Your EquineIR™ Technician looks forward to working with you in the future. If you would like to set up an ongoing maintenance imaging program for your horse(s), we can arrange this at discounted rates along with multiple horse discounts. Please call our office with any questions as we would love to assist you in your success.

Sincerely,

Randy Phillips

Randy Phillips, *Certified Infrared Thermographer*
Thermal Tech



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EQUINE CLIENT INFORMATION

CLIENT NAME: Bonnie McAree
MAILING ADDRESS: 500 cr 2520, Alba, Texas 75410
CLIENT EMAIL: tater5@wildblue.net
CLIENT PHONE: 903-850-2544

HORSE AGE: 12
HORSE BREED: QH
HORSE PRIMARY USE: Barrels

SURVEY INFORMATION

THERMOGRAPHER: Randy Phillips
INFRARED CERTIFICATION #: 9210
INFRARED CAMERA MODEL: T420 **CAMERA SERIAL NUMBER:** 62102174
NUMBER OF THERMAL IMAGES SUBMITTED: 30

WEATHER: Light Wind, Sunny, Humid
APPROXIMATE TEMPERATURE: 75 °F
IMAGING LOCATION: Barn aisle

EXERCISED PRIOR: Yes **HOW LONG:** 15 Min **WHEN:** 10 Min prior
TYPE OF EXERCISE: Lunged

BOOTS OR WRAPS ON HORSE? No **HOURS SINCE:** Not Applicable

FLYSpray OR LINIMENTS APPLIED WITHIN 24 HOURS: No

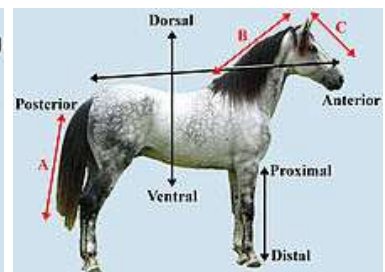
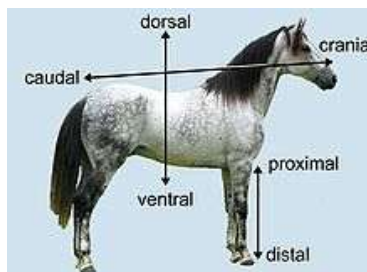
REASON FOR SCAN or HISTORY RECEIVED: Right shoulder deep tissue injury – vet diagnosed Bites fence or trailer when saddling , Right shoulder, neck, withers are all sore, right front limp most of the time. Farrier visit 5 weeks ago & on 6 week cycle. Last vet visit was in Aug. for coggins. Lame 3 years Treatments : massage, chiro, herbs, supplements, pain meds.

INTERPRETATION INFORMATION (Completed by Veterinarian)

INTERPRETATION TYPE: Full Enhanced Survey

DATE OF INTERPRETATION: 8/21/2013

REVIEWING VETERINARIAN: Dr. Debra K Tibbitts





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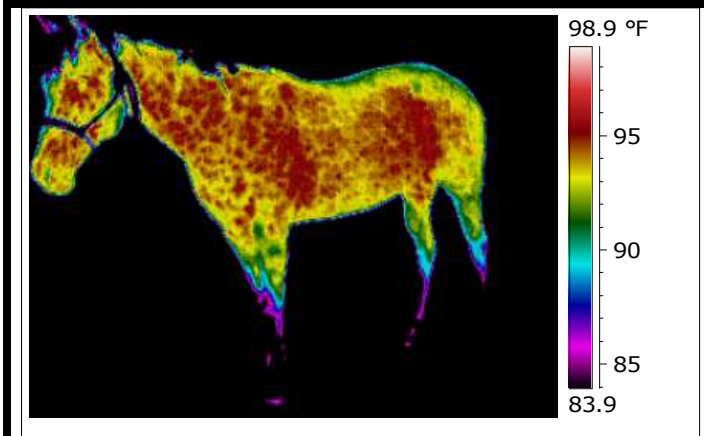


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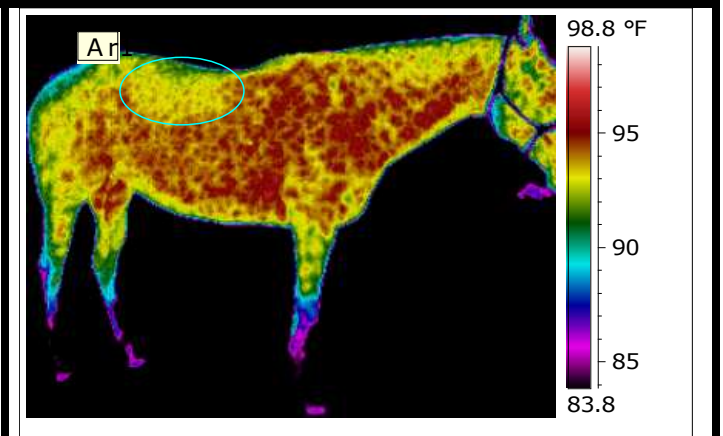


Image.File name 11.jpg Image.Date 8/15/2013 Image.Time 8:22:18 AM
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Lateral views fairly symmetrical. There is slightly less heat along the right flank which may indicate postural muscle imbalance.

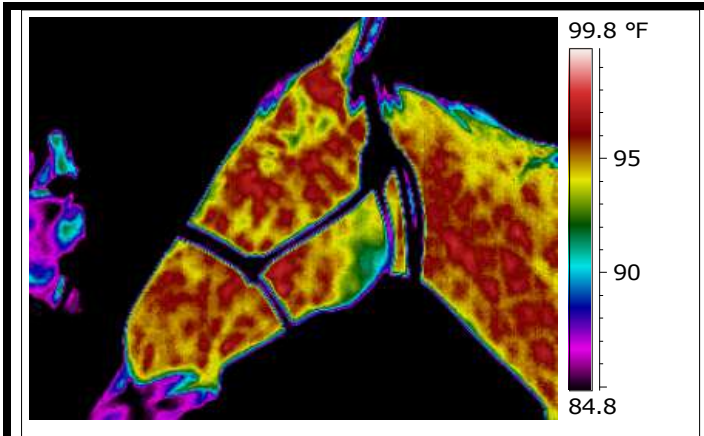


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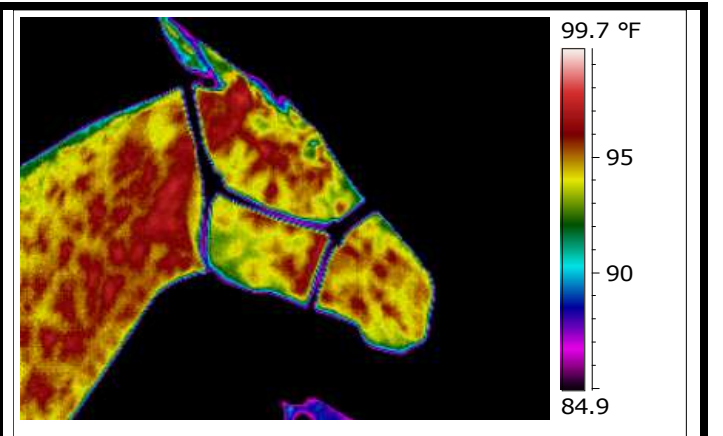


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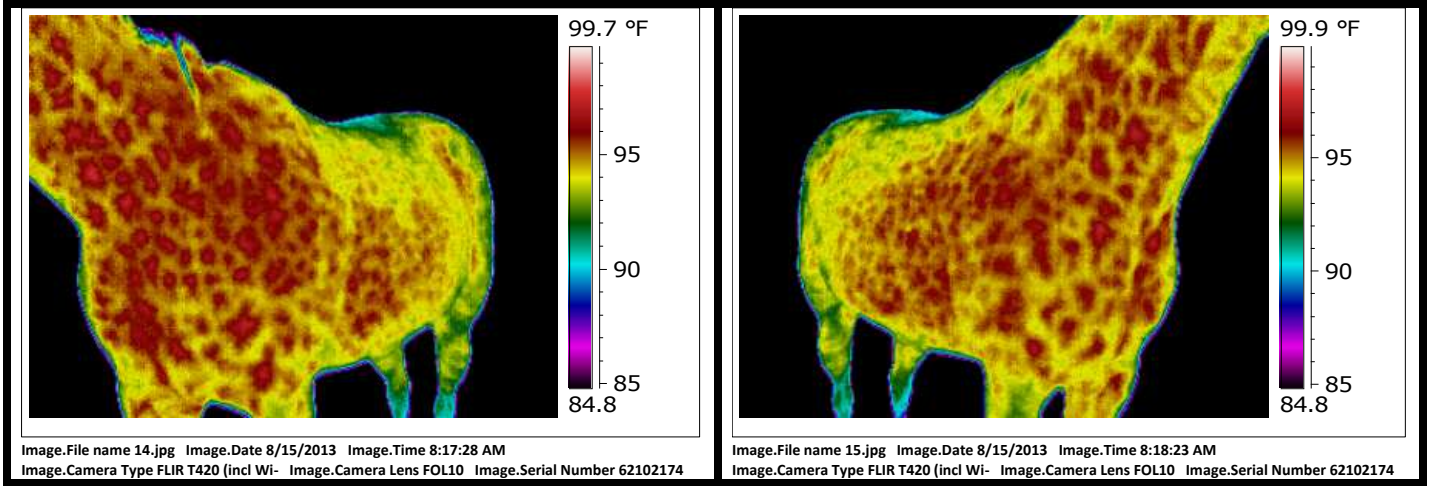
NSF: No Significant Findings



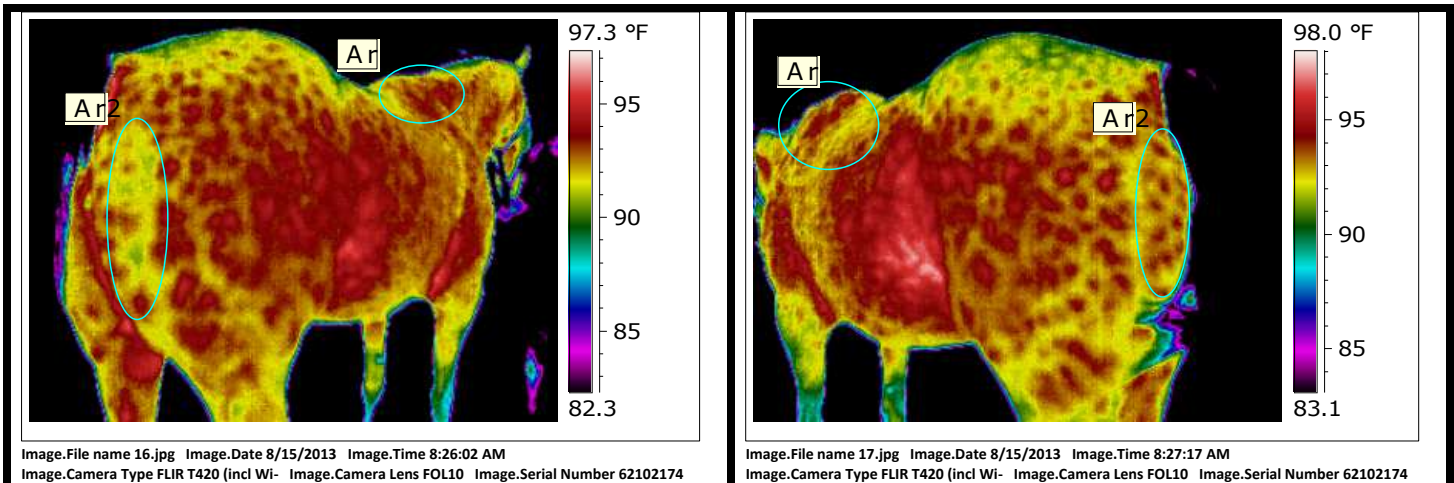
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NSF: No Significant Findings



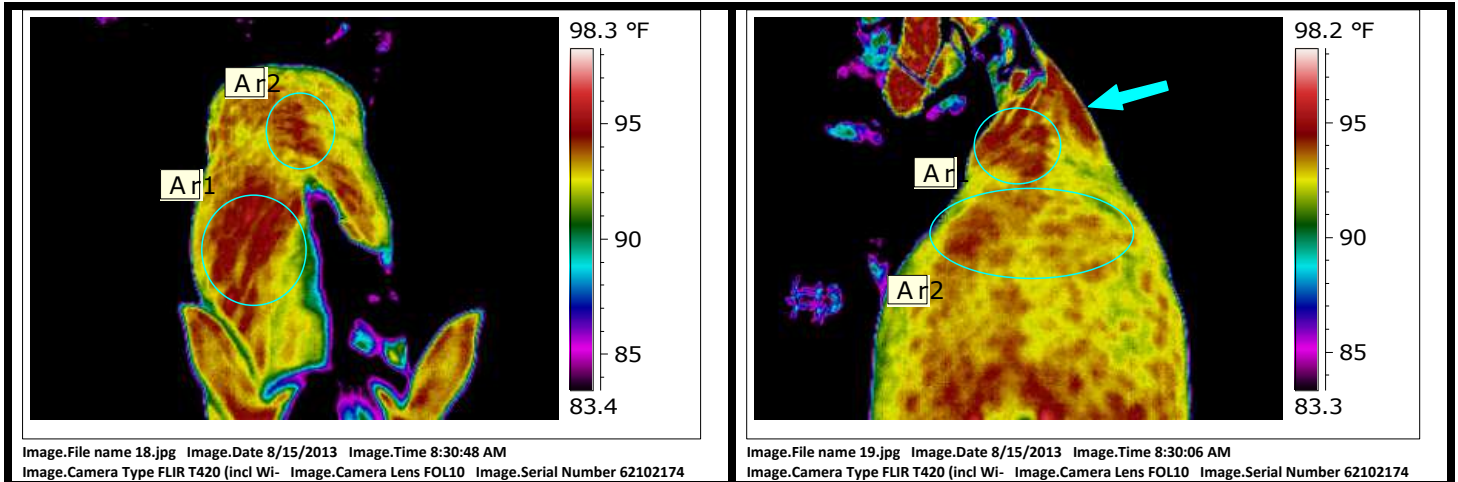
Increased heat withers bilaterally. Motion palpation recommended checking for chiropractic issues. Slight asymmetry in the semitendinosus muscles with heat greater on the left. Environmental artifact, scar tissue or off-loading could be present. Palpation recommended.



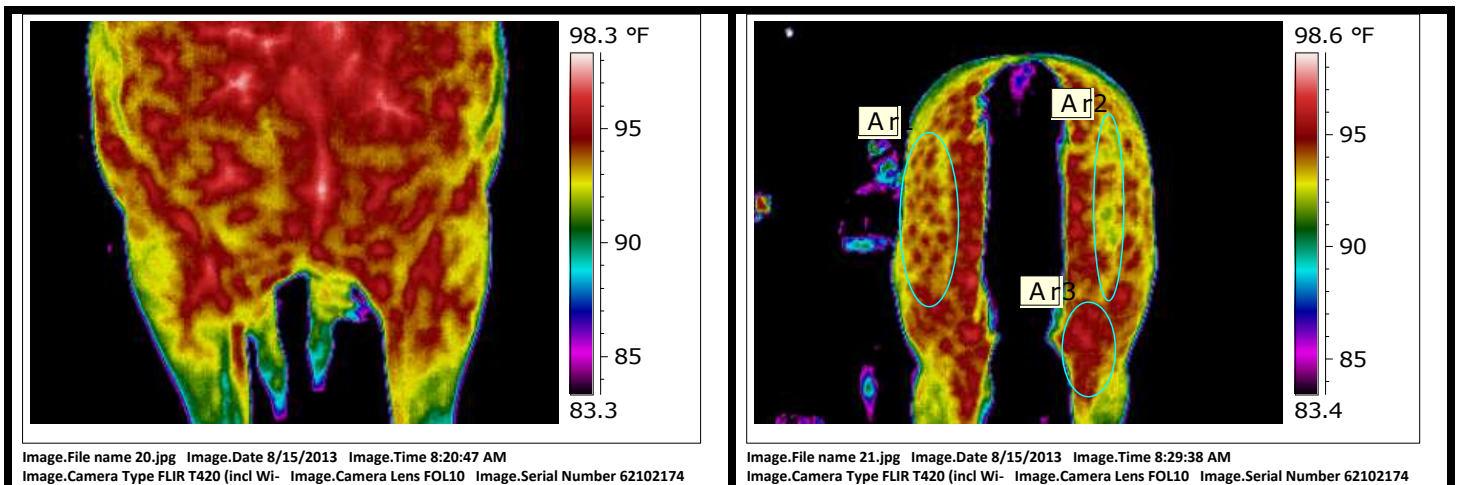
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Increased heat thoracolumbar spine, right shoulders/withers. Palpation of the musculature and motion palpation of the withers/shoulder/spine recommended checking for inflammation and mobility. Slight asymmetry over the gluteal muscles with heat greater on the left. Off-loading may be present.



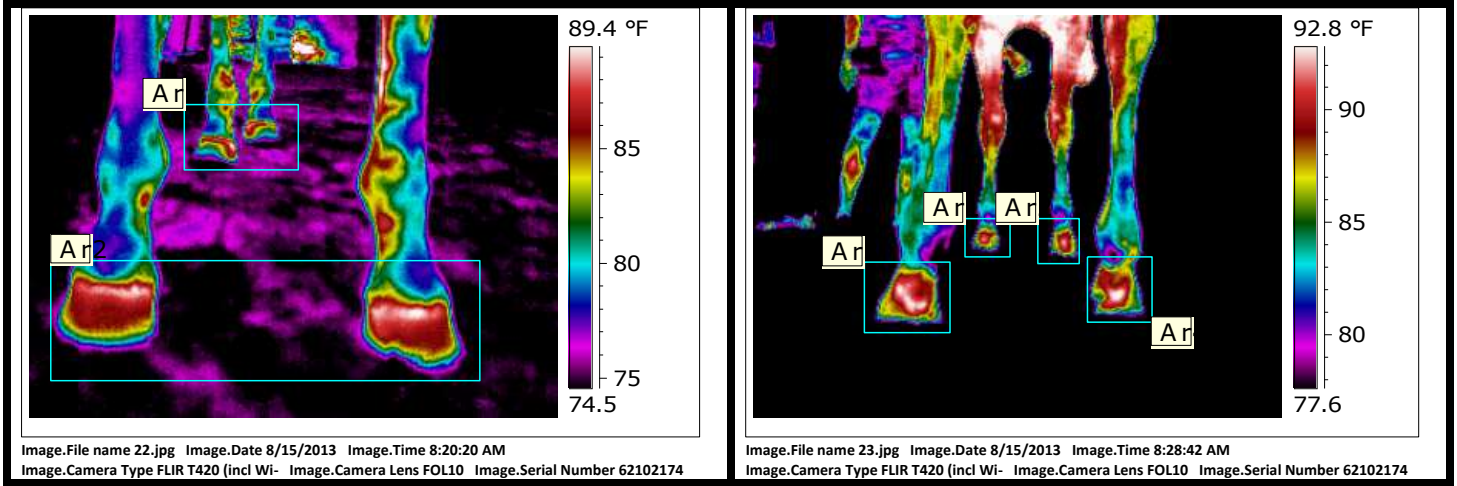
Mild asymmetry semitendinosus/biceps femoris, heat greater on the left but slightly greater heat in the right gastrocnemius. Digitals show uneven musculing with the RH having a larger amount of musculature. Possibly the RH has been compensating for the RF. Gait analysis and palpation recommended.



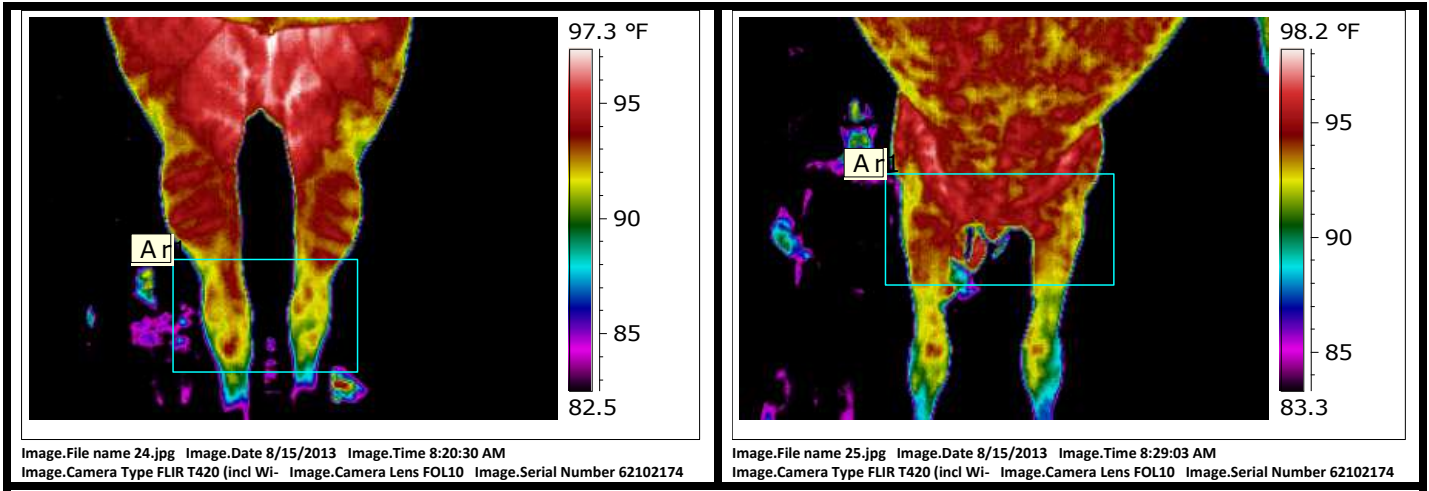
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Uneven pressure at the coronary band all four feet, greater on the medial aspect. Uneven heel pressure front feet and hind feet. Feet appear out of balance.



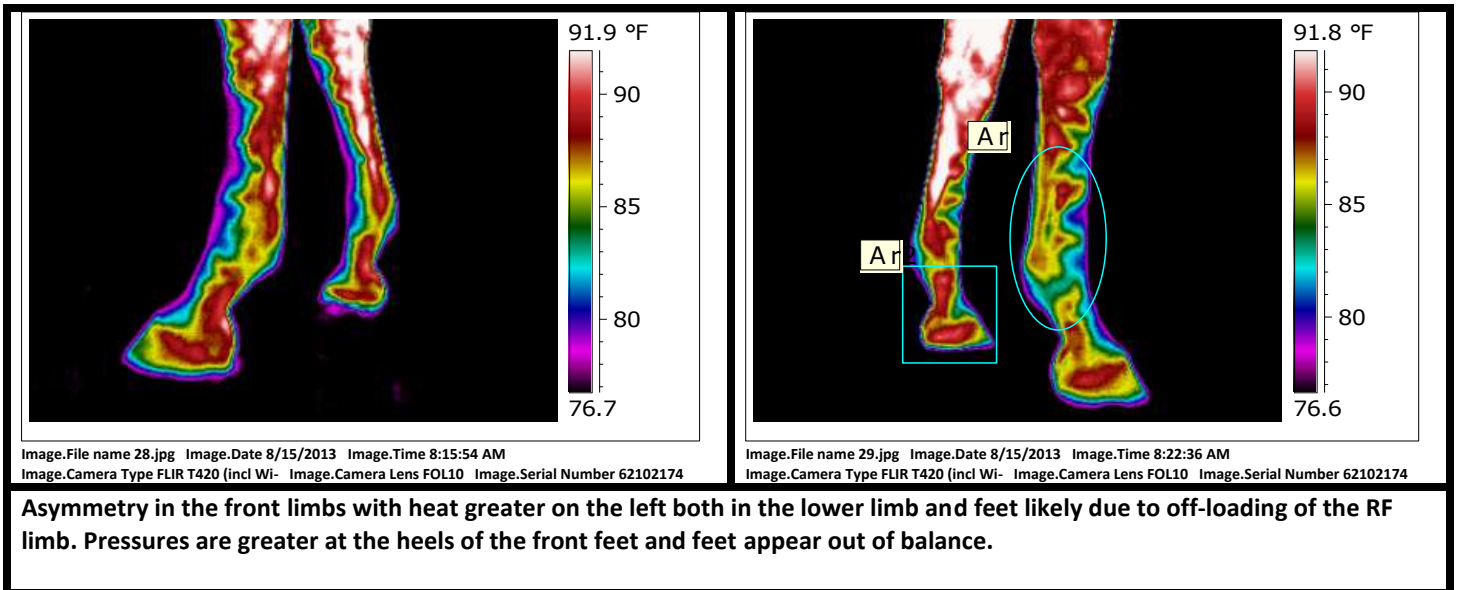
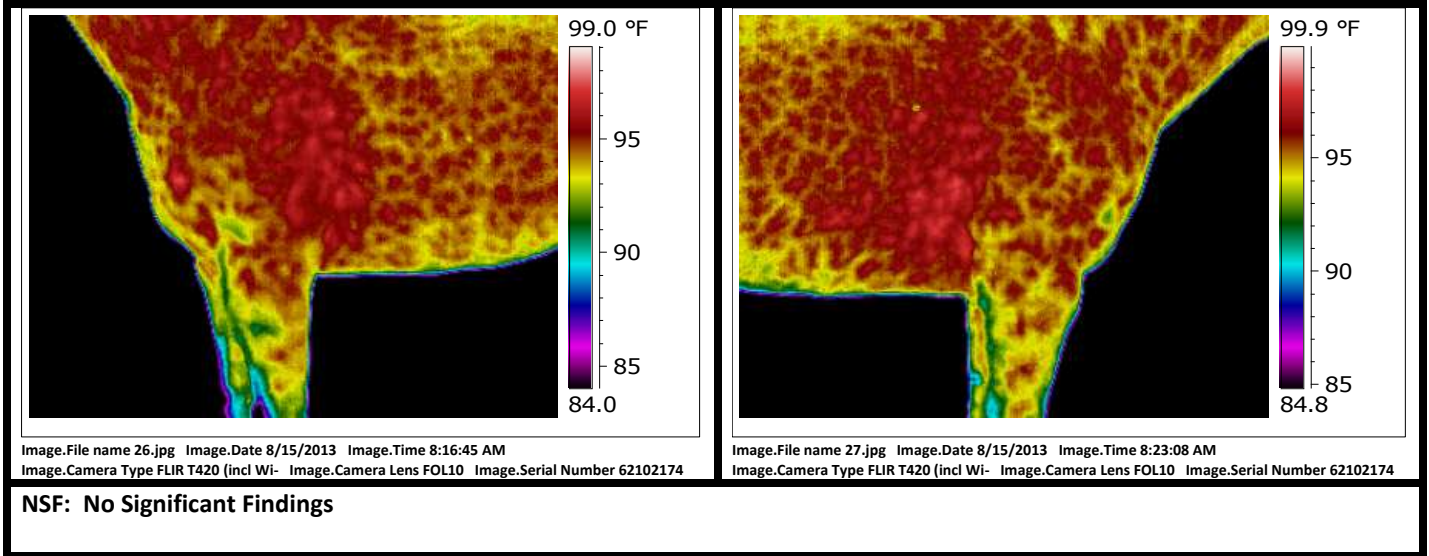
Very mild asymmetry in the hocks and forearms may represent uneven limb loading.



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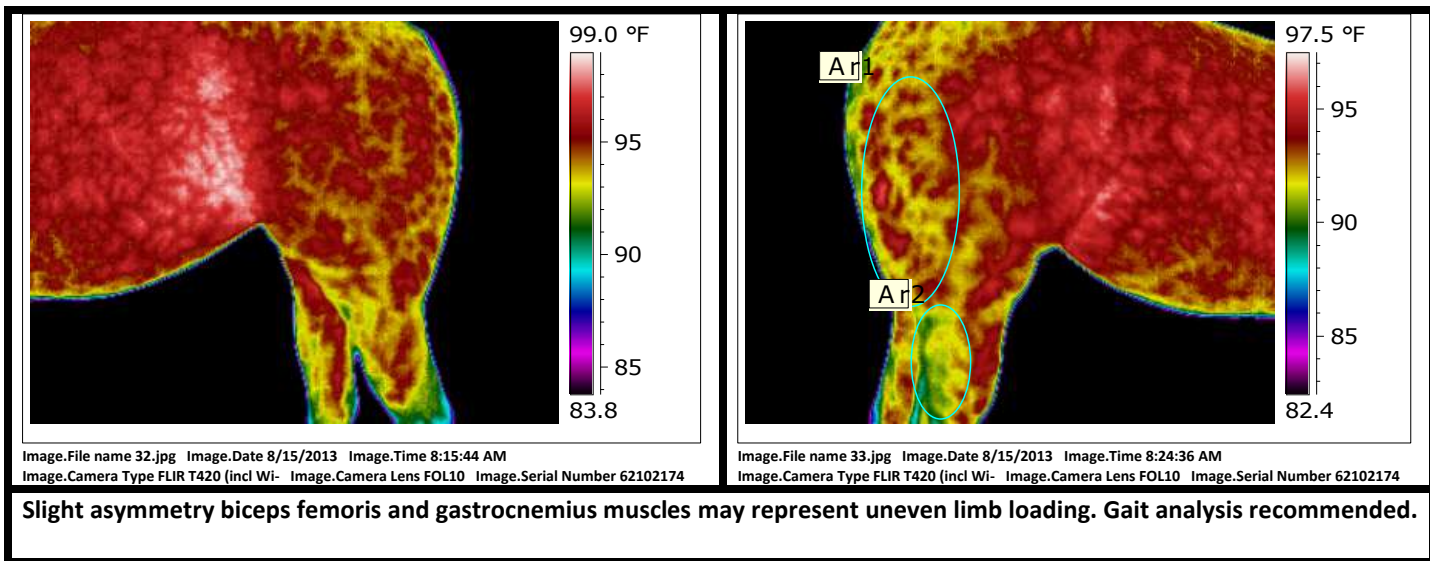
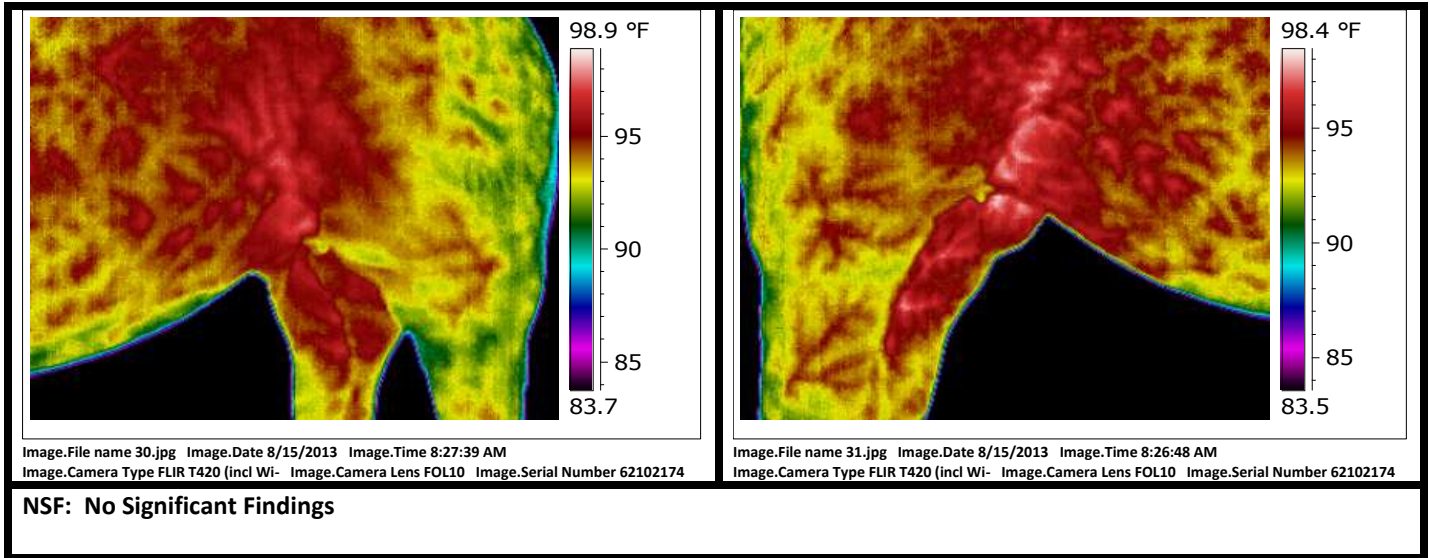




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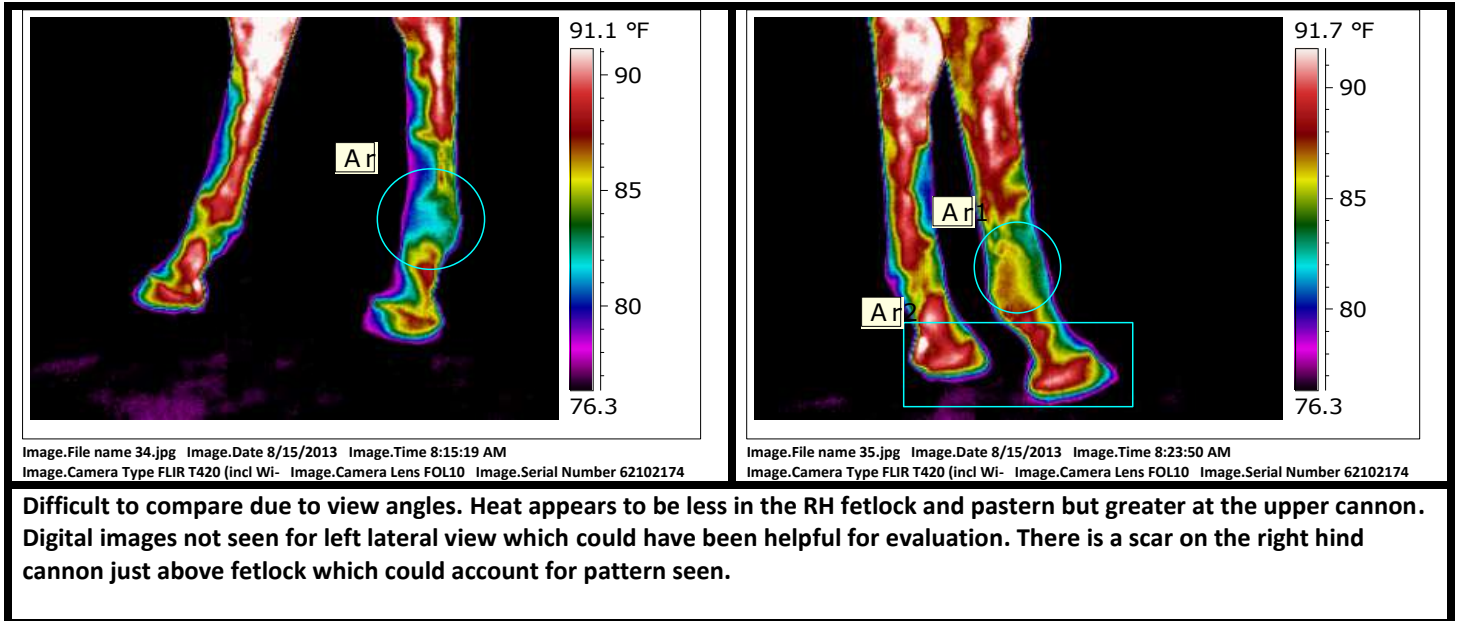




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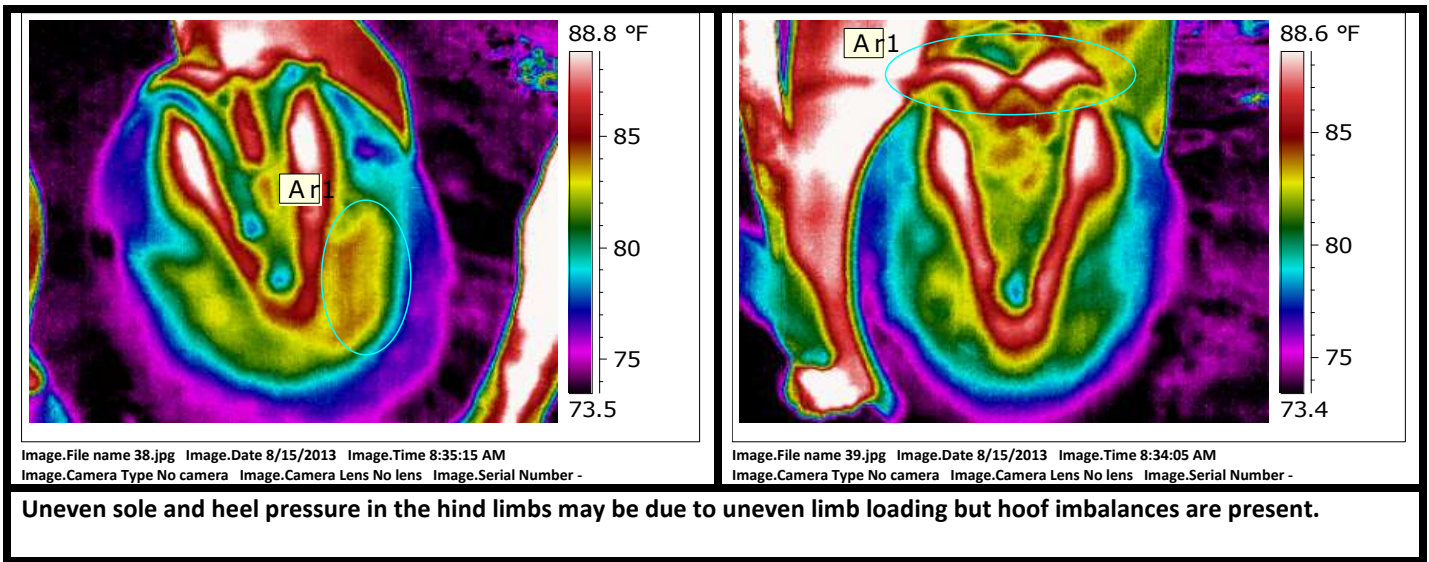
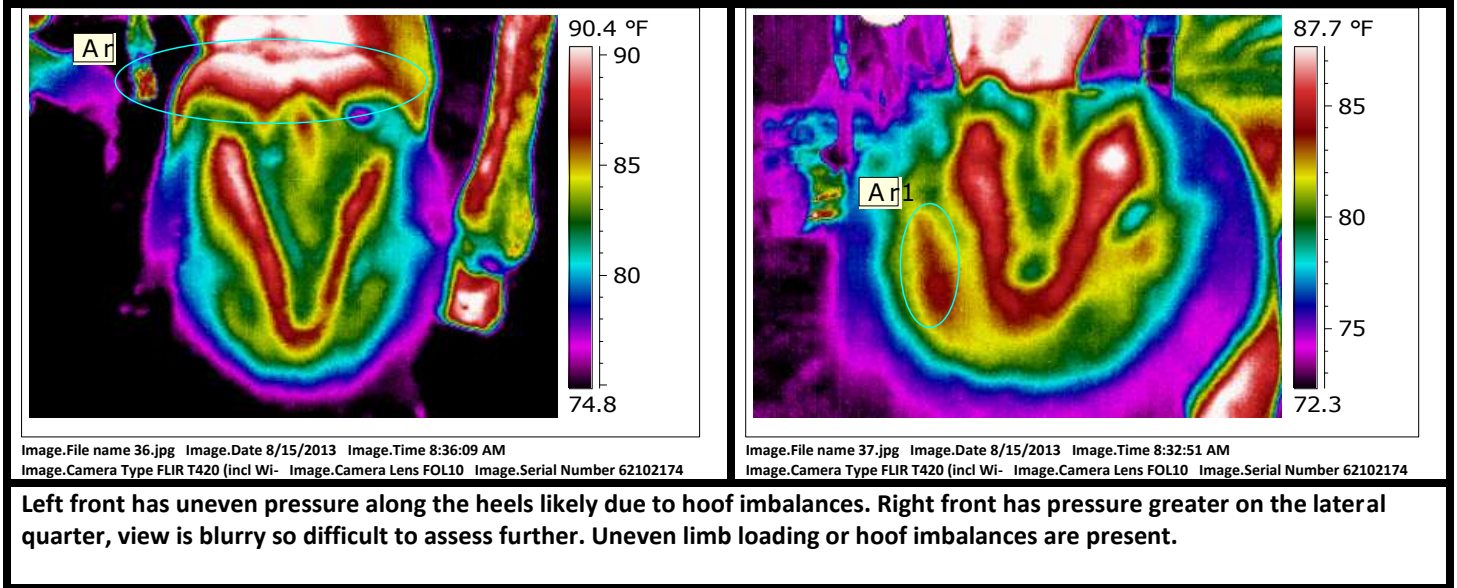




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SUMMARY AND RECOMMENDATIONS: DeeDee looks like a sweet horse and hopefully there will be some insights from the thermal images presented to help her.

There is increased heat both sides of the withers which may be due to chiropractic fixations. Motion palpation of the withers and shoulders recommended. Heat appears to be greater on the right. It also can indicate saddle fit issues. There are also areas of increased heat along the thoracolumbar spine which may represent chiropractic fixations/rotations and can also indicate saddle fit issues. Palpation of the musculature and motion palpation of the spine recommended. There is some asymmetry in the gluteal muscles with heat slightly greater on the left. Uneven limb loading or chiropractic issues in the pelvis/sacroiliac area are possible. Gait analysis and motion palpation of the pelvis recommended.

There is asymmetry in the semitendinosus muscles with the right side having a cooler area which may represent environmental artifact or some off-loading of the right hind or circulatory disturbance from scar tissue. There is also increased heat in the right gastrocnemius muscles and it appears that the right hind hamstrings is over-developed versus the left. This could represent uneven limb loading and compensation for the right front. Gait analysis and palpation recommended.

There is some asymmetry in the lower front limbs with heat greater on the left side which may be due to uneven limb loading. There is also some asymmetry in the lower hind limbs with decreased heat in the right hind distal cannon and fetlock but an area of increased heat in the proximal lateral cannon. There is a scar just above the right hind fetlock which may account for the circulation change. Palpation and gait analysis recommended.

There is uneven loading of the coronary bands and heels all four feet with imbalances seen in the feet which may be primary or secondary to uneven limb loading. Balancing of the feet along with a thorough chiropractic evaluation including gait analysis recommended.

Thank You!

Reviewing Veterinarian: Debra K Tibbitts, DVM , CVCP, EDO, CVA, CIT

