Thermal Imaging Conference

August 11-14, 2011

The Ohio State University
Veterinary Medical Center
601 Vernon L. Tharp Street
Columbus, Ohio 43210
http://vetmedce.osu.edu

25 CE Hours

Course Description

Athletic injuries are the leading cause of lost training time and the most costly to horse owners. In addition, if not detected early some of these injuries may become catastrophic. Owners, competitors and the public have recently brought pressure on the veterinary profession to prevent, or diagnose earlier, injuries before they become life-threatening. The ability to detect injuries early makes thermography an excellent tool.

Thermal imaging systems have the capability to detect changes in temperature related to local inflammation and/or blood flow to the tissue. These changes have been shown to occur 2-6 weeks prior to the onset of clinical signs of lameness.

Through the use of thermal imaging, the possibility exists that abnormalities can be identified when the tissues are in a state of stress, rather than anatomical disruption. Intervention at this early point provides less costly and more time efficient options with which to manage the injury to a successful outcome.

Assessments of the musculoskeletal system for inflammation, including Saddle Fit analysis, are the most common uses for thermal imaging. Thermal imaging is also used to detect neurological, dental, and infectious disease as well. Sessions will also be presented on the use of thermal imaging in Marine Mammals, Wildlife, and Companion Animals.

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Thursday August 11, 2011
8:00 AM  Registration & Continental Breakfast
8:25 Welcome
8:30 Thermal Imaging in Veterinary Medicine Today: Reliability & Repeatability
10:45 Break
11:00 Utilizing Thermal Imaging in Equine Practice
12:00 PM Lunch
1:15 Utilizing Thermal Imaging in Small Animal Practice
2:15 Utilizing Thermal Imaging in Exotic Animal Practice
3:00 Break
3:15 Utilizing Thermal Imaging as part of an Athletic Wellness Program in Thoroughbred Racehorses
4:15 Utilizing Thermal Imaging as part of an Athletic Wellness Program in Performance & Working Dogs
5:00 Adjourn

Friday August 12, 2011
8:00 AM  Continental Breakfast
8:30 History of Thermal Imaging in Veterinary Medicine: Not Making the Mistakes of the Past
10:00 Break
10:15 Normal Equine Thermographic Examination
11:00 Dealing with Thermographic Artifacts in a Clinical Setting
12:00 PM Lunch
1:30 Clinical Cases: Performance Dogs
3:30 Break
3:45 Clinical Cases: Equine Foot
5:00 Adjourn

Saturday August 13, 2011
8:00 AM  Continental Breakfast
8:30 Clinical Cases: Tendons & Ligaments
10:15 Break
10:30 Clinical Cases: Joint Disease
12:00 PM Lunch

Saturday continued
1:30 PM  Clinical Cases: Back & Muscle
3:30 Break
3:45 Saddle Fit
5:00 Adjourn

Sunday August 14, 2011
8:30 AM  Continental Breakfast
9:00 Informal Wet Lab
This is a session for individuals to get one-on-one assistance in thermal imaging technique, camera function, software issues, and report generation. The session will begin with a demonstration of how to perform the basic equine thermal examination and a brief review of artifacts. The Equine Center staff, as well as representatives from Flir and Vetel will be available to work with participants individually with specific issues to further their educational experience.

2:00 PM Adjourn

Featured Speakers:
Tracy A. Turner, DVM, MS, DACVS, DABT
Anoka Equine Veterinary Services, Elk River, MN

Kim Henneman, DVM, FAAV A, DABT, CVA, CVC
Animal Health Options, Park City, UT

Ken Marcella, DVM
Chattahooche Equine, Canton, GA

Michael Walsh, DVM
Aquatic Animal Program, Univ of FL, Gainesville, FL

Mike Corcoran
Master Saddle Fitter, Justin, TX

Registration Form
Thermal Imaging Conference
Course Fee: $850

Register online at: vetmedce.osu.edu
or mail or fax payment to:
Veterinary Continuing Education
601 Vernon L. Tharp Street
Columbus, Ohio 43210
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