Complacency – Not To Be Confused With Competency

Speakers, Lecture Titles, and Synopsis/Goals

2024 Yearly Conference (Nov 8th – 10th, 2024)
National University of Health Sciences, Lombard, IL

2024 Healing Oasis Conference
Complacency – Not To Be Confused With Competency

Dates: Nov 8th – 10th, 2024
Location: National University of Health Sciences, 200 E. Roosevelt Rd., Lombard, IL

Hotel of choice: Crowne Plaza Lombard-Downers Grove, 1250 Roosevelt Rd., Lombard, IL. (630-629-6000)

List of speakers:

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Matt Durham, DVM, DACVSMR
Senior Technical Services Veterinarian, Platinum Performance

Titles:

1. **Targeted nutrition for nervous system support in horses.**

Synopsis or goals: This presentation will focus on nutrition as it relates to the high metabolic needs of the nervous system, as well as the vulnerabilities specific to nerves, and the tissues that support them. Strategies will be discussed related to fatty acids and their derivatives, macrominerals, the role of oxidative stress and antioxidants, and the role of the gut in neurologic health and disease.

Andrea Henderson, DVM, MS, DACVSMR.
MAJ, US Army - Retired
Chief of Rehabilitation, Department of Defense Military Working Dog Veterinary Services

Titles:

1. **A Picture IS Worth 1,000 Words - From Functional Diagnosis to Confirmed Biceps Tendinopathy in a Military Working Dog**
    - **Synopsis or goals:** This lecture will address the case of a Military Working Dog with a tiny, subtle core lesion in the biceps tendon that was only able to be confirmed by MRI. It will discuss functional rehabilitation without a definitive diagnosis that may or may not be appropriate and review shoulder tendinopathies and appropriate imaging modalities and therapeutics.

2. **More Than Just the Numbers - why early behavioral and physical indicators of heat stress should be considered before rectal temperature in exercising dogs**
    - **Synopsis or goals:** This lecture will discuss recent advances and future directions in identifying facial features and behavioral indicators of heat stress in dogs exercising in hot and humid environments. It will also cover the basics of canine thermoregulation and discuss the pitfalls of relying on rectal or tissue temperature as sole indicators of heat injury risk.

3. **Prevailing Against Progression Plateaus**
    - **Synopsis:** What does human sports science tell us about exercise prescription and progression, and how can we adapt this to challenge our canine patients safely and effectively when they've moved from rehabilitation into reconditioning? The speaker will discuss examples of and methods for avoiding complacency slowing progress in well-established, advanced patients.

Kimberly Henneman, DVM, FAAVA, DABT, DACVSMR.
Animal Health Veterinary Integrative & Performance Specialists, UT

PLATINUM PERFORMANCE
IT STARTS WITHIN™

Titles:

1. **The Care and Feeding of Muscles: An Update on Equine Muscle Physiology**

Synopsis/goals: Muscles are the generators of movement. Those working with horses dedicate a great deal of effort and work on the importance of muscle conditioning for different performance jobs, but not as much in how to properly care for the equine myocyte (including its mitochondria) in terms of energy, nutrients and even how it communicates with other tissues. This presentation will review some of the new research regarding the active equine muscle, both in health and disease, and how its function shouldn't be taken for granted.

2. **The New Biomechanics of Tack: How Saddles, Bridles, and Harnesses Affect Structure & Performance**

Synopsis/goals: It can be easy to become complacent about tack fit, relying on professional saddle fitters and experienced horse owners. Tacks such as bridles, bits, saddles, and harnesses act as bridging interfaces between the horse and the rider or driver. Improper fit can significantly affect a horse's performance, structural health, and emotional willingness to work. Pain and asymmetry can also interfere with positive responses to manual or structural therapies. This lecture will review how various pieces of tack can interfere with structural function and how chiropractic/spinal manipulation therapists can check for proper fit.

3. **Amino Acids, Collagen & Energy: The Importance of Protein in the Active Dog & Cat**

Synopsis/goals: Dietary discussions for active dogs & cats often focus on the energetic needs for fats and carbohydrates. However, not much is said about the importance of protein, not only for tissue maintenance but also for energy. This lecture will discuss the unique protein needs of active companion animals, not only for growth and structure but also for energy. [This lecture can be treated as a complement to the 2023 HOWC lecture on carbohydrates in working dogs.]

Amber Ihrke, DVM, DACVSMR, CVSMT
Veterinary Sports Medicine and Rehabilitation of Homer Glenn, IL

Titles:

1. **Exploring the Dynamics of Pain: Understanding Normal Physiological Processes.**

- **Synopsis/goals:** This lecture will focus on a comprehensive overview of the pain response in normal patients. Learning about the function, physiology, and neurobiology of pain gives the practitioner a stronger foundation in understanding this complex process. This can lead to better outcomes when faced with maladaptive pain patients.

2. **Understanding pathophysiology of pain: The first step to competency in managing your cases.**

- **Synopsis/goals:** This lecture will focus on a comprehensive overview of the pathophysiology of maladaptive pain. Understanding the physiologic and biochemical processes that encompass nociceptive and neuropathic maladaptive pain is essential to effectively diagnosing, treating, and alleviating pain in our patients.

Rosemary LoGiudice, DVM, DACVSMR, CVA, CVSMT, FCoAC
Animal Rehabilitation Therapy & Sports Medicine, Yorkville, IL

Titles:

1. **And 2. As Good As It Gets? - No! Improve Your Patients' Form and Function with VSMT and Other Therapies!"**

- **Synopsis/goals:** Through cases and presentations, we will see how we can optimize a patient's form and function through VSMT, therapeutic massage, therapeutic exercises, and acupuncture. We will discuss how to optimize vertebral mobility, neuromuscular function, and fascial mobility and function to improve joint conformation and overall active range of motion. Don't be a complacent practitioner! Utilize your skills to optimize your patients' abilities and performance.

Brittany Ludwig, DVM, CVSMT, CVMRT – ACVSMR Resident
Veterinary Sports Medicine and Rehabilitation of Homer Glenn, IL

Titles:

1. **Pain Management with Pharmacologic's and Nutraceuticals: Back to Square One**
   - **Synopsis/goals:** We will discuss a multi-modal approach to pain and disease management utilizing pharmaceuticals and nutraceuticals directed at different levels of the pain pathway. This includes oral and injectable options to address the root cause of pathology and the consequences of compensatory changes.

2. **Non-Pharmacological Pain Management: Thinking Outside the Box**
   - **Synopsis/goals:** Purposeful movement and tactful selection from the many modalities available are key to regaining pain-free, functional movement. In this hour we will discuss rehabilitation therapies, ones performed with hands alone or with the help of electricity.

Meghan Ramos, VMD
Medical Director – Penn Vet Working Dog Center
ACVSMR Board Eligible

Titles:

1. **Stand, Sit, Down, Stay: Identifying Key Changes in Fundamental Movement for Early Disease Detection and Posture Awareness in Dogs**
   - **Synopsis/goals:** This lecture emphasizes the significance of detecting subtle changes in fundamental movement as early signs of disease and explores methods for teaching dogs to prioritize posture. Attendees will gain insights into early disease detection strategies and posture-focused training techniques.
2. **"Remaining Stable is Not a Static Activity": Therapeutic Exercises and the Role of Unstable Surfaces in Canine Rehabilitation and Mobility**
   - **Synopsis/goals:** Delve into the dynamic nature of stability maintenance and the therapeutic benefits of incorporating unstable surfaces into canine rehabilitation programs. This lecture highlights various exercises aimed at enhancing stability and mobility, providing attendees with practical insights into effective rehabilitation strategies.
3. **Core Focus: Understanding the Importance of Abdominal and Epaxial Muscles in Canine Health and Performance**
   - **Synopsis/goals**: Explore the crucial role of abdominal and epaxial muscles in canine health and performance, emphasizing the significance of core strength and stability. Attendees will gain a deeper understanding of core muscle function and learn practical approaches to building and maintaining core strength in dogs

Molly Rice, DVM, DAVDC - Equine
Midwest Veterinary Dental Services, Elkhorn, WI

Titles:

1. **Why is Dental Health Crucial To Equine Performance?**
   - **Synopsis/goals**: A brief history of equine dentistry will be discussed, followed by an in-depth look at the scope of modern equine dentistry. The foundation of a comprehensive oral exam is rooted in a five-component exam. These will be explored in a case-based format.

2. **Managing Malocclusions of the Equine Oral Cavity**
   - **Synopsis/goals**: The four types of malocclusions will be explained with case examples. The finer points of managing routine to challenging malocclusion cases will be discussed. Ergonomics for both the patient and practitioner will be discussed with tips for maintaining longevity with this physical aspect of the job.

Ronald J. Riegel, DVM
Veterinary Medical Director for Multi-Radiance Medical

Titles:

1. **Veterinary Infrared Thermal Imaging: A Paradigm in Veterinary Practice**
   - **Synopsis/goals:**
     - **Objective #1 =** An understanding of what infrared thermal imaging brings to veterinary medicine.
     - **Objective #2 =** A review of the basic scientific fundamentals of infrared thermography.
     - **Objective #3 =** Intuitive interpretation. Thermal asymmetry, either increased or decreased in intensity and area, is the basis for image interpretation.
2. **Clinical Hands-On Practicum -** The IRTI laboratory portion of this lecture series has six main objectives. These objectives will be accomplished through the presentation of information and then through hands-on experience utilizing IRTI equipment.
   - **Synopsis/goals:**
     - **OBJECTIVE:** Understand how to prepare the patient for imaging
     - **OBJECTIVE:** Know the importance of framing and focusing on different anatomical areas.
     - **OBJECTIVE:** Preparation of the image for interpretation.
     - **OBJECTIVE:** A complete understanding of the software
     - **OBJECTIVE:** Understand the difference between wellness screening, a comprehensive examination, and how to monitor a patient's progress.
     - **OBJECTIVE:** Understand basic interpretation by recognizing expected thermal symmetry and unexpected thermal asymmetry.

******Note: There will be TWO one-hour hands-on practicums using live animals to learn and become comfortable with several thermography units. You must register, a maximum of 15 per block.**

Stephanie Thomovsky, DVM, MS, DACVIM (Neuro)
Clinical Professor, Neurology & Neurosurgery Dpt., Purdue Univ. College of Vet Med., IN

Titles:

1. **Stoked about strokes?**

- **Synopsis/goals**: In this hour, we will discuss what we know about the typical presentation, examination findings, diagnostic results, and treatment of canine cerebrovascular accidents.

2. **Revved about rehab?**

- **Synopsis/goals:** In this hour we will explore common practices and techniques utilized in human cerebrovascular accident rehabilitation and explore how we can use these techniques to treat our canine stroke victims.

Rachel Yoquelet, BS, RVT, VTS (ECC), CVMRT
Purdue University – College of Veterinary MedicineVeterinary cott, MD
Physical Rehabilitation Department

Titles:

1. **A simple congenital vertebral anomaly - is there such a thing?**

- **Synopsis/goals:** In this hour, we will discuss the diagnosis, surgical treatment, and, ultimately, rehabilitation therapy for a German Shepherd puppy suffering from a thoracic congenital vertebral anomaly. We will explore surgical decision-making, post-operative neurologic worsening, and how rehab is being used to save the day!

******NOTE: This lecture will be team-taught by Ms. Rachel Yoquelet and Dr. Stephanie Thomovsky. GO PURDUE!**

Pedro Luis Rivera, DVM, FACFN, DACVSMR, FCoAC

Titles:

1. **Neuroanatomy and biomechanics of the Neck**

- **Synopsis/Goals:** This lecture will describe the neuroanatomy and biomechanics of the cervical and cervicothoracic regions. Emphasis will be on how this knowledge is crucial to both canine and equine athletes. The presentation will utilize not only clinically relevant examples but also discuss in depth the clinical relevance of identifying the longitudinal level of the lesion.
- **Hands-On Practicum**: Maximum of 10 attendees per lab block. Attendees will list and demonstrate how soft tissue restrictions can affect athletic performance. Several manual therapy techniques will be discussed (GuaSha, TuiNa, among others), and students will apply them to canine patients. Functional neuroanatomy and biomechanics of the cervical region will be emphasized throughout the lab.

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