2022 Hambletonian Continuing Education Wet Labs*
Thursday, August 4, 2022
7:15 AM – 5:00 PM

***Approved for CE credit by the NJ Veterinary Medical Association and the NJAEP**

7:15 – 7:45 AM **Registration/Sign-in at Hilton Meadowlands Hotel, E. Rutherford, NJ**

7:45 - 8:00 AM **Shuttle to Meadowlands Racetrack for Morning Sessions**

8:00 AM – 12:00 N **Learn How to Take High-Quality Intra- and Extra-Oral Dental Radiographs in the Horse *(sponsored by Heska)***

Robert Baratt, DVM, DAVDC, DAVDC-E & Alexandra Wright, DVM

Dr. Baratt received his DVM from Colorado State University School of Veterinary Medicine in 1981 and completed his residency at Cornell. Since then, he has worked in private practice. In 1983, he founded Salem Valley Equine Clinic, in Salem, CT. In 1992, the equine practice expanded to include companion animals and was renamed Salem Valley Veterinary Clinic. Since 2001, his practice has been limited to small animal and equine dentistry and oral surgery. Dr. Baratt is the first veterinarian to obtain Fellowship in the Academy of Veterinary Dentistry (FAVD) in both small animal and equine dentistry, and is board certified in dentistry in both the small animal and equine Colleges of Veterinary Dentistry.

Dr. Alexandra Wright is an Equine and Small Animal Dual Track Resident at Cornell University College of Veterinary Medicine in Ithaca, NY. Equine dentistry and sinus surgery has been her passion since veterinary school. She completed her equine internship year at Rhinebeck Equine, LLP in Rhinebeck, NY, and spent another year working for Dr. Robert Baratt at his practice in Connecticut before starting her residency.

This wet lab will provide the practitioner with the skills for correct radiographic positioning to produce high-quality Intra- and Extra-Oral Dental Radiographs and understanding radiographic anatomy and signs of dental and sinus pathology. The skills learned at this wet lab will enable the practitioner to better diagnose dental disease in the horse and provide informative referrals to specialists.

This wet lab will cover:

- The proper positioning for intraoral diagnostic radiographs.
- Radiographic anatomy and signs of dental and sinus pathology.

8:00 AM – 12:00 N **Ultrasound of the Pastern & Ultrasound of the Proximal Metacarpus/ Carpal Canal *(sponsored by Universal Imaging)***

Katherine Chope, VMD, DACVSMR & Ron Genovese, VMD

Dr. Chope earned her VMD in 1996 from the University of Pennsylvania. She completed a fellowship at UPenn's New Bolton Center and was a lecturer on Equine Cardiology and Ultrasound. In 2002, Dr. Chope joined the faculty as Clinical Assistant Professor at Tufts Cummings School of Veterinary Medicine. At Tufts, she established the large animal ultrasound service in the hospital, and performed the majority of the musculoskeletal, abdominal, thoracic and cardiac exams in the large animal hospital prior to the addition of Dr. Tenney. Dr. Chope has lectured

extensively and given equine ultrasound wet labs at numerous regional, national and international meetings.

Dr. Genovese received his VMD from the University of Pennsylvania in 1964. He then served 2 years conducting research in the US Army's Fitzsimmons General Hospital. In 1966, he joined the Randall Veterinary Hospital. He received the AAEP's Distinguished Educator Award in 2002. In 2006, Dr. Genovese became a partner and cofounder of Cleveland Equine Clinic where he served until his retirement from active practice in 2018. Renowned as an equine sports medicine and surgery expert with more than 50 years of dealing with equine lameness, Dr. Genovese's most prolific contribution to equine veterinary medicine is the pioneering and continual advancement of equine limb ultrasonography. He now works as a consultant and continues several areas of research.

Pastern (Dr. Chope): In this station we will go over the anatomy, technique and normal sonographic appearance of the palmar pastern region over P1. Time permitting evaluation over P2 with a curvilinear probe will be demonstrated. A hands-on demonstration will be performed by the instructor and each participant will have ample opportunity to perform their own scan(s) with instructor guidance.

Proximal Metacarpus/Carpal Canal (Dr. Genovese): In this station we will go over the technique and normal sonographic appearance of the metacarpal region and carpal canal. Understanding the palmar carpal origins of the ICL, SL and proximal SDFT is of importance for understanding injuries to the distal structures and in cases where proximal diffusion of a "high suspensory" block may occur. A hands-on demonstration will be performed by the instructor and each participant will have ample opportunity to perform their own scan(s) with instructor guidance.

8:00 AM – 12:00 N **Introduction to Objective Lameness Measurement *(sponsored by Equinosis)***

Kevin Keegan, DVM, MS, DACVS

Dr. Keegan earned his DVM from the University of Missouri in 1983. He then practiced for 2 years primarily on the racing Standardbred. He completed an equine surgery residency and MS at the Univ. of Illinois in 1988, studying biomechanics and bioengineering. In 1990 he returned to the University of Missouri, where he serves as Director of the E. Paige Laurie Endowed Program in Equine Lameness. In 2008 he founded Equinosis, a faculty-startup company. Research in kinematics and lameness led to the development of a body-mounted inertial sensor system, now called Lameness Locator. Currently Dr. Keegan retains a 50% clinical, 50% research appointment at the University of Missouri.

Most horses display lameness best during the trot. Horses will be instrumented with body mounted inertial sensors and evaluated for lameness while trotting in a straight line on a lead shank and while lunging in a circle.

12:00 – 1:00 PM **Lunch (Sponsored by Advanced Monitors)**

12:45 – 1:00 PM **Shuttle from Hilton Meadowlands Hotel to Meadowlands Racetrack for Afternoon Sessions**

1:00 – 5:00 PM **Equine Ophthalmology for Road Warriors *(sponsored by Patterson Veterinary)***

Ann Dwyer, DVM

Dr. Dwyer received her DVM from Cornell University in 1983. She has been in general equine practice with the Genesee Valley Equine Clinic near Rochester, NY for over 35 years. During her career she has published numerous papers and book chapters on eye disease and is a frequent speaker at national and international conferences. Dr. Dwyer was granted honorary membership in the American College of Veterinary Ophthalmology in 2011. She also has been active in organized veterinary medicine, serving as president of the AAEP in 2013.

Practitioners must diagnose and treat a multitude of ocular conditions in the field, ranging from corneal ulcers to uveitis to periocular neoplasia. This wet lab will focus on tried-and-true techniques for examination, diagnosis and medical and surgical treatment of equine eye problems in the ambulatory setting. The lab will use live horses and cadaver heads to learn:

- Tips for "stallside examination"
- Sedation and restraint of horses with ocular pain
- Regional anesthesia of the periocular region and cornea
- Tonometry
- Basic ultrasound of the globe
- Corneal culture and cytology sampling methods
- Interpretation of corneal cytology
- Ocular photography using digital cameras and cell phones
- Corneal debridement techniques
- Nasolacrimal duct flush techniques
- Insertion and management of subpalpebral lavage systems
- Field surgery methods for blepharoplasty and third eyelid removal
- Practical approach to standing enucleation

1:00 – 5:00 PM **Evaluation of the Stifle & Evaluation of the Proximal Metatarsal Region *(sponsored by Universal Imaging)***

Katherine Chope, VMD, DACVSMR & Ron Genovese, VMD

(See bios above in 8:00 AM – 12:00 PM)

Evaluation of the Stifle (Dr. Chope): Ruling out soft tissue in the stifle joint can be an important part of a diagnostic and therapeutic plan for lameness referable to the stifle and is strongly recommended in cases of moderate to severe lameness or effusion. In this station we will review the anatomy, technique and normal sonographic appearance of the weightbearing stifle with emphasis on the medial structures; time permitting the non-weighted images will be covered.

Evaluation of the Proximal Metatarsal Region (Dr. Genovese): Correct, thorough imaging of the proximal metatarsus with knowledge of common variation and what to evaluate is an important part of any clinician's repertoire. A hands-on demonstration will be performed by the instructor and each participant will have ample opportunity to perform their own scan(s) with instructor guidance.

1:00 – 5:00 PM **Advanced Lameness Measurement of Standardbreds *(sponsored by Equinosis)***

Kevin Keegan, DVM, MS, DACVS

(See bio above in Introduction to Objective Lameness Measurement, 8:00 AM–12:00 PM)

Harness horses present certain difficulties for detecting lameness compared to other horse breeds because they do not always trot regularly on a lead shank. However, body-mounted inertial sensor data can be collected with horses tacked up and on the

track. Horses will be instrumented with body-mounted inertial sensors and evaluate for lameness while trotting (or pacing) under tack and on the race (or training) track. (Note: lab conducted with sulkies and drivers on the track)

1:00 – 5:00 PM **Basics of Equine Endoscopy Including Static and Dynamic Airway Examination and Gastroscopy *(sponsored by Advanced Monitors)***

Laurent L. Couëtil, DVM, PhD, DACVIM

Dr. Couëtil received his DVM from École Nationale Vétérinaire d'Alfort in France in 1985. In 1995, he began a residency at Tufts University. He received his PhD from the University of Liège in Belgium in 2006. Currently at Purdue University, Dr. Couëtil serves as a professor of Large Animal Internal Medicine and is the Director of both Equine Research Programs and the Equine Sports Medicine Center. An esteemed member of the veterinary community, he serves as President of the American College of Veterinary Internal Medicine for Large Animal Internal Medicine. Dr. Couëtil's primary interests comprise the early detection and treatment of respiratory disease in athletic horses and equine exercise physiology.

This lab will cover the basics of equine endoscopy including static and dynamic upper airway examination and gastroscopy. The objectives include the basics of the upper airway anatomy and evaluation of the guttural pouch. This will then move into dynamic airway endoscopy to see some common airway abnormalities at work. Gastroscopy to evaluate the stomach and pylorus will also be included. To complete these examinations, the equipment required will be discussed.

5:00 PM **Shuttle to Hilton Meadowlands Hotel**

NOTE: **Shuttle will be available all day to bring participants to and from the Wet Labs at the Meadowlands Racetrack and the Hilton Meadowlands Hotel**

6:30 – 7:30 PM **Welcome Reception for All Participants**
Hilton Hotel