

2023 Hambletonian Continuing Education Wet Labs*

Thursday, August 3, 2023

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 **Diastema Burring Techniques as an Aid in Treating Periodontal Disease in Equids (sponsored by Jorgensen Laboratories & Horse Dental Equipment)**

Jon M. Gieche, DVM, FAVD-EQ, Diplomate AVDC-EQ

Dr. Gieche received his Doctorate in Veterinary Medicine from Michigan State University College of Veterinary Medicine in 1986. In 1991, Dr. Gieche founded Kettle Moraine Equine Hospital and Regional Equine Dental Center in Whitewater, Wisconsin. Dr. Gieche has the honor of being a two-time past president of the Wisconsin Equine Practitioners Association. In October 2013, Dr. Gieche achieved Equine Fellowship status in the Academy of Veterinary Dentistry. He is one of only eight AVD-EQ Fellows in North America. In August 2016, Dr. Gieche also achieved diplomate status in the American Veterinary Dental College – Equine. He is the only clinician in Wisconsin to earn both the AVD-EQ and the AVDC-EQ degrees. He frequently instructs veterinarians and veterinary students via lectures and hands-on wet labs throughout the United States and abroad.

This is a hands-on laboratory designed to teach attendees the current techniques used to treat open, valvular and false pathologic diastema of equidae. Participants will use specialty handpieces, burs, and additional equipment on cadaver specimens to treat the various forms of pathologic diastemata. This is a unique opportunity to develop the technical skills needed to treat these diastemata using the same equipment used in general and specialty practices while under the expert supervision and guidance of a fellowed and boarded equine dentist.

8:00 AM – 12:00 N **Ultrasound of the Proximal Metacarpus/Carpal Canal and the Cervical Region (sponsored by Universal Medical Systems)**

Katherine Chope, VMD, DACVSMR & Ron Genovese, VMD

Dr. Chope earned her VMD in 1996 from the University of Pennsylvania. After two years in private practice, she completed a fellowship in Equine Cardiology and Ultrasound at The University of Pennsylvania's New Bolton Center. In 2002, Dr. Chope joined the faculty at Tufts Cummings School of Veterinary Medicine. There she established a dedicated large animal ultrasound service. She also founded the ambulatory ultrasound consulting service Equine Ultrasound Services. In 2022, Dr. Chope returned to UPenn as an Associate Professor in the department of Cardiology and Ultrasound at New Bolton Center. 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.

Cervical Region/Shoulder (Dr. Chope): This station will go over the anatomy, technique, and normal sonographic appearance of the cervical region. Evaluation over P2 with a curvilinear probe will be demonstrated (time permitting). 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): This station will go over the technique and normal sonographic appearance of the metacarpal region and carpal canal. It is important to understand the palmar carpal origins of the ICL, SL, and proximal SDFT in order to recognize injuries to the distal structures and in cases where proximal diffusion of a "high suspensory" block may occur. The instructor will perform a hands-on demonstration, and each participant will have ample opportunity to perform their own scan(s) with instructor guidance.

8:00 AM – 12:00 N Overview of Inertial Sensor-Based Measurement of Equine Lameness (sponsored by Equinosis)

Deborah Sieber BVetMed, MRCVS & Laurie Tyrrell-Schroeder DVM, CVA, CCRT

Deborah Sieber, BVetMed, MRCVS, is a native of the United Kingdom, having graduated from the Royal Veterinary College (London), after 12 years training racehorses. Dr. Sieber owned her own practice in the UK and has also practiced in Singapore, working with show jumpers, polo ponies and dressage horses. Dr. Sieber opened Barnside Veterinary Services in Armonk, NY in 2014. She is now based in Naples, FL. Since 2017, Dr. Sieber has also worked as an independent contractor for Equinosis.

Laurie Tyrrell-Schroeder, DVM, is a 2004 graduate of Michigan State University's College of Veterinary Medicine. She completed an internship in diagnostic imaging and sports medicine at Virginia Equine Imaging in Middleburg, VA, and remained a senior associate for several years. As the Director of Veterinary Services for Equinosis, she served as a co-principal investigator for three of Equinosis' National Science Foundation STTR grants.

This wet lab will provide an overview of inertial sensor-based measurement of equine lameness. A 50-minute lecture will precede the lab covering the biomechanical model of using vertical motion of the torso to measure lameness and the practical application of lameness measurement in all aspects of the lameness evaluation, including the straight line, lunging, flexion tests, assessing diagnostic analgesia and use under saddle. The wet lab will demonstrate these principles in the lameness evaluation process on live horses. Time and conditions permitting, a demonstration of data collection in Standardbreds on the track will also be conducted.

8:00 AM – 12:00 N Regenerative Medicine: Practical Application Techniques Using Birth Tissue-Based Technologies (sponsored by Anicell Biotech)

Peter Blauner VMD & Rob Holland DVM, PhD

Dr. Peter Blauner grew up in rural Long Island where the roots of his love for horses and veterinary medicine began. Today, Dr. Blauner makes his home in Chester County, PA with his wife, Mary, 3 Labs and 4 horses. Dr. Blauner graduated from the University of Connecticut, summa cum laude, in pre-veterinary medicine. He graduated from the University of Pennsylvania in 1981 before starting his own practice the next year. His veterinary interests include lameness and sports medicine in the performance horse. He is one of a handful of veterinarians who is also American Farrier Association Certified.

Dr. Holland earned his DVM from Mississippi State University in 1994 and his Ph.D. in Virology at the University of Kentucky Gluck Equine Research Center in 2000. He served as a Kentucky State Racing Commission veterinarian, where he was active in research in the areas of biomechanics, drug testing and airflow. Dr. Holland was the Senior Director of Outcomes Research and Head of International Division Dublin Ireland, Zoetis, Inc. from 2015-2017. Presently, he is a practicing private practitioner in Lexington, Kentucky. His focus is equine respiratory care and function of the equine athlete and infectious disease management control and procedures for farms, institutions and world leaders.

The lab will discuss and demonstrate the latest technologies in regenerative medicine. It will cover practical application techniques for using birth tissue-based technologies in animal health for a variety of indications. In this lab, the use of concomitant treatments and contraindications, case selection, product placement, application protocol, rehabilitation protocols and ongoing care will thoroughly demonstrate the application of this technology to the following tissue-related indications: tendons, ligaments, joints, superficial wounds, eye wounds, and bone.

12:00 – 1:00 PM **Lunch**

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

1:00 – 5:00 PM Partial Coronectomy and Tooth Sectioning as an Aid in Intra-Oral Extraction of Equine Premolars and Molars (sponsored by Jorgensen Laboratories & Horse Dental Equipment)

Jon M. Gieche, DVM, FAVD EQ, Diplomate AVDC EQ

(See bio above in 8:00 AM – 12:00 PM)

Standard intra-oral extraction techniques are not always successful. They will often need to be supplemented by advanced techniques. This lab introduces attendees to two advanced techniques (partial coronectomy and tooth sectioning) that will increase their success rates for intra-oral extraction of premolars and molars in equidae. Attendees will become familiar with the ergonomics, specialty handpieces, burs, etc., employed during these techniques while performing the procedures on cadaver specimens under the expert supervision of a fellowed equine dentist.

1:00 – 5:00 PM

Ultrasound Evaluation of the Proximal Metatarsal Region and the Hock (sponsored by Universal Imaging)

Katherine Chope, VMD, DACVSMR & Ron Genovese, VMD

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

Evaluation of the Hock (Dr. Chope): Ultrasound of the Hock can be intimidating. A focused, practical regional approach breaking down the most clinically relevant anatomy can help the practitioner feel more comfortable undertaking ultrasound of this region as an aid in diagnosis in cases of Hock swelling, trauma or lameness. In this station we will review the anatomy, technique and normal sonographic appearance of the major structures of the Hock. A hands-on demonstration will be performed by the instructor and each participant will have the opportunity to scan with instructor guidance.

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

Overview of Inertial Sensor-Based Measurement of Equine Lameness (sponsored by Equinosis)

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

1:00 – 5:00 PM

How to Set Up and Perform a Venogram for Diagnostics and Damage Control of Foot-Related Problems (sponsored by Vet-Ray by Sedecal)

Jaret M. Pullen, DVM, APF-1

Dr. Pullen started his farrier business in 2003, and soon developed an interest in specialized therapeutic farrier work. Jaret completed his veterinary training at Cornell University. He is on the board of directors for the NAEP and is a routine lecturer at Colorado State University's College of Veterinary Medicine's new podiatry initiative, in addition to other veterinary schools and events as well. Currently he travels between the Northeast and Texas servicing all different breeds and disciplines of horses and their hoof-related pathologies.

During this lab, Dr. Pullen will overview the materials, the setup and the procedure for an Equine Digital Venogram. Proper execution of the procedure will be highlighted, and attendees will have the opportunity to perform one. Dr. Pullen will facilitate X-rays and teach attendees the proper skills to use them with confidence.

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
Hilton Hotel

Welcome Reception for All Participants