

# Hambletonian Continuing Education Wet Labs\*

Thursday, July 31, 2014

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, East Rutherford, NJ**

7:45–8:00 AM

**Shuttle to Meadowlands Racetrack for Morning Sessions  
(sponsored by Sound-Eklin)**

8:00 AM–5:00 PM

**AAEVT Session: Veterinary Technician Primer: A Practical Overview of Core Equine Health Topics (sponsored by Zoetis)**

**NOTE:**

**THIS 8-HOUR LAB IS FOR VETERINARY TECHNICIANS AND ASSISTANTS ONLY**

## **John “Jay” M. Donecker VMD, MS**

*Dr. Donecker received his VMD from the University of Pennsylvania in 1980. He completed a 3-year equine surgery/medicine residency at Ohio State University, where he was awarded an MS following work completed in the area of veterinary pharmacokinetics. During 14 years of practice in North Carolina he helped to grow a 3 person mixed practice to a 2 hospital 9 veterinarian practice as the treasurer for the partnership. In 1991 he was the first private equine practitioner in North Carolina to become a diplomate of the ABVP and was conferred a Fellow by the American Academy of Veterinary Pharmacology and Therapeutics. In January 2003 he became a member of the Veterinary Operations team of Pfizer Animal Health Equine, and in January 2010 he joined the Outcomes Research Team for Zoetis.*

## **Megan Belcher, BS, LVT, RVT**

*Megan Belcher earned her BS degree in Veterinary Technology, with academic focus on Equine Business Management, from the Purdue University College of Veterinary Medicine. Meg is currently working as a Territory Business Manager to promote equine health and wellness products to veterinary practices in Maryland, Virginia and West Virginia on behalf of Zoetis. Meg has more than seven years of clinical experience working in both mixed animal and equine specific hospitals where her primary veterinary interests included camelid medicine and high-risk equine anesthetic cases. Meg is a regional contact for the AAEVT.*

## **Victoria R. Maxwell, DVM, MBA (courtesy of Luitpold Animal Health)**

*Dr. Maxwell's equine background is diverse. She learned to ride and train show jumping horses under Olympic medal winners Joe Fargis, Conrad Holmfeld, and Melanie Smith, and held a 10-year position at Quiet Winter Farm. She is a 1999 graduate of Tuskegee University School of Veterinary Medicine where she served as an AAEP officer all 4 years. She followed with an internship at Mid-Atlantic Equine Medical Center, where she focused on lameness and diagnostic imaging. She earned an MBA from Emory University in 2011. Dr. Maxwell currently serves as Senior Manager Veterinary Professional Services for Luitpold Pharmaceuticals, where her area of focus is pursuing new pharmaceutical therapies for the equine patient.*

In this full-day, information-packed session, Veterinary Technicians and Assistants will participate in morning lectures on the following health topics: the latest AAEP parasite control guidelines, core vs. risk vaccinations and sedation/pre-anesthesia cocktails. For the afternoon wet lab portion, the participants will rotate through four 50-minute stations, beginning with the first station: Dormosedan® sedation (oral vs.

injectable IV vs. injectable IM) (*all attendees together*). The technicians will then be split into three groups to learn more about the following key areas: **Bandaging** (including preparing a bandaging kit), **Fecals** (parasites and individualized deworming), and **Sterile Joint Injection** site prep (no injections will be performed).

**8:00 AM–12:00 N**     **Endoscopy of the Upper Airway & Guttural Pouches (sponsored by Zoetis)**

**Mark V. Crisman, DVM, MS, DACVIM**

*Dr. Crisman received his DVM from the University of Warsaw Poland in 1984. He earned an MS in Veterinary Medicine in 1987 from Washington State University. From 1987–2010 Dr. Crisman served on the faculty of the VA-MD RCVM where he was a Professor in the Dept. of Large Animal Clinical Sciences and Section more than 80 refereed publications and book chapters. His primary research interests include immunology, pharmacology, and inflammation associated with equine metabolic syndrome. He is also certified in acupuncture by IVAS. In 2010, Dr. Crisman joined Veterinary Operations with Zoetis.*

This lab will focus on:

- Endoscopy techniques (specifically guttural pouches)
- Maintenance and sterilization of the endoscope
- Transtracheal aspiration techniques
- Sampling protocols and techniques (nasal swabs, viral isolation)
- Bronchoalveolar lavage techniques

**8:00 AM–12:00 N**     **Ultrasound: Focus on Front End - Metacarpus, Fetlock, Pastern & DIP Collaterals (sponsored by Scil Animal Care)**

**Katherine Chope, 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 the topics of 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 has performed the majority of the musculoskeletal, abdominal, thoracic and cardiac exams in the large animal hospital. Dr. Chope has lectured extensively and given equine ultrasound wet labs at numerous regional, national and international meetings (AAEP, NAVC, Western States, NEAEP, etc.).*

This lab will begin with tips to maximize your ultrasound image, and then cover the anatomy, normal sonographic appearance, and commonly encountered variations of normal in the metacarpus and pastern regions (Over P1, proximal P2 and DIP joint). Participants will be able to perform hands-on ultrasound of each region. Time allowing, the cervical region may also be evaluated.

**8:00 AM–12:00 N**     **Hands-on Equine Acupuncture Instruction (sponsored by the International Veterinary Acupuncture Society - IVAS)**

**Kevin May, DVM**

*Dr. May received his DVM from Texas A&M in 1980. Since 1986, he has been a Partner in El Cajon Valley Veterinary Hospital in El Cajon, CA, an equine ambulatory practice with a special emphasis on sports medicine, acupuncture, chiropractic and dentistry. Dr. May was certified in Veterinary Acupuncture by IVAS in 1988, and has lectured extensively on Equine Acupuncture. Dr. May has also received advanced certification in Veterinary Chiropractic. He was the founding*

*member and President of the American Association of Veterinary Acupuncture (AAVA) from 1992–2000, and served as President of IVAS from 2006–2008. In 2009, the AAVA awarded Dr. May a Lifetime Achievement Award for his dedicated and outstanding Service in the Field of Veterinary Acupuncture.*

Goals/Objectives:

- 1) Learn how to perform an acupuncture examination
- 2) Learn how to treat an acupuncture point with both hypodermic and acupuncture needles. Participants will be given acupuncture needles to use in the wet lab as well as to take home to continue practicing the acupuncture treatments learned in the lab.
- 3) Learn empirical points and point formulas for certain equine conditions. There will be a group of conditions addressed, then the lab will be opened up to address conditions the participants are concerned about.

For those attending this lab there will be follow-up support (phone, text, email) provided by Dr. May for any problems or questions they may have when they try to implement this modality on their own.

**8:00 AM–12:00 N**     **The Handling, Preparation & Use of Autologous PRP & Stem Cells for the Treatment of Equine Sports Injuries (sponsored by Harvest Technologies)**

**Mark T. Reilly, DVM, DABVP**

*Dr. Reilly received his DVM from Tufts University in 1991. After working the East Coast horse racing circuit, he established a large animal ambulatory practice in Cape Cod, which he later combined with a small animal practice, to form Mid-Cape Animal Hospital. In 2006 he opened his current practice, the South Shore Equine Clinic & Diagnostic Center, in Plympton, MA. Dr. Reilly has spent the past 20 years working on competitive horses of all disciplines. His professional interests include pre-purchase evaluations, lameness/poor performance issues, regenerative therapy (Stem Cell, PRP, IRAP), reproduction, laser surgery, respiratory disease, diagnostic imaging, and preventative care. He is the only ABVP certified equine private practitioner in New England, and has served as President of the Cape Cod VMA, and Chairman of the MA VMA Large Animal Committee.*

- 1) Demonstration of how to generate Platelet Rich Plasma (PRP) in an aseptic manner for tendon, ligament, or joint injection.
- 2) Demonstration of how to safely aspirate bone marrow from the ilium and generate Bone Marrow Aspirate Concentrate (BMC).
- 3) Demonstration of how to measure and evaluate a sample of PRP.
- 4) Demonstration of ultrasound guided injection of PRP into a soft tissue lesion.

**11:45 AM–12:00 N**     **Shuttle from Hilton Meadowlands Hotel to Meadowlands Racetrack for Afternoon Sessions**

**12:00 –1:00 PM**     **Lunch at the Meadowlands Racetrack (Sponsored by Zoetis)**

**1:00–5:00 PM**     **Ultrasound: Focus on Hind End - Suspensory, Plantar Hock, and Sacroiliac Region (sponsored by Scil Animal Care)**

**Katherine Chope, VMD**

*See Dr. Chope's bio in her 8:00 AM – 12:00 Noon session*

This lab will begin with a brief discussion of tips to maximize your image and proper ultrasound technique. We will then cover the hind metatarsal region with emphasis on the hind suspensory, the plantar hock, and the sacroiliac region. Time allowing,

other regions of the pelvis maybe covered. Participants will be able to perform hands-on ultrasound of each region.

**1:00–5:00 PM**

**Hands-on Equine Acupuncture Instruction (*sponsored by the International Veterinary Acupuncture Society - IVAS*)**

**Kevin May, DVM**

*See Dr. May's bio in his 8:00 AM – 12:00 Noon session*

Goals/Objectives:

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**1:00–5:00 PM**

**Optimizing Radiograph Quality Utilizing Positioning Aids for Portable Generator Systems (*sponsored by Vet-Ray Technology by Sedecal*)**

**Robert V. Fleck, DVM**

*Dr. Fleck is a graduate of the University of California at Davis, and completed his large animal surgical internship at Colorado State University. He has practiced veterinary medicine in Colorado, Portland, and San Diego. He founded the Rainland Farm Equine Clinic, a sport horse surgical practice, in Woodinville, WA in 1975. He has special expertise in nuclear scintigraphy, shock wave therapy, lameness examinations and breeding, as well as reconstructive, laser and arthroscopic surgery. He has introduced powerful regenerative therapeutic therapies to the clinic practice, including stem cell, bone marrow, PRP (platelet rich plasma) and IRAP (Interleukin-1 Receptor Antagonist Protein).*

Advances in technology have enabled doctors to take and view radiographs in the field for the last 15 years. One of the top demands on portable systems is high image quality. Taking the time to use positioning aids is one of the easiest methods to improving image quality. This lab will focus on the use of positioning aids for both the generator and plate to reduce motion and improve overall image quality.

**1:00–5:00 PM**

**Eye Examination Techniques in the Horse (*sponsored by Patterson Veterinary*)**

**Dennis E. Brooks, DVM, PhD, DACVO**

*Dr. Brooks received his DVM from the U. of Illinois He received a PhD in glaucoma-induced optic nerve damage from the University of Florida College of Veterinary Medicine, where he currently serves as Professor of Ophthalmology. He is a recognized authority on corneal transplantation, infectious keratitis, and glaucoma of horses and other animals. Dr. Brooks has lectured extensively nationally and internationally, and has written more than 140 refereed publications. He has received numerous teaching and research awards, including the Frank J. Milne State of the Art Award of the AAEP in 2010. He is past President of the American College of*

*Veterinary Ophthalmologists. Dr. Brooks published the second edition of his book, Equine Ophthalmology, in 2008.*

1. Vital dyes are critical for diagnosing eye problems in horses
2. Nerve blocks that aid eye examination will be discussed
3. The use of smartphone cameras in eye examination of the horse will be emphasized.

**5:00 PM**

**Shuttle to Hilton Meadowlands Hotel (*sponsored by Sound-Eklin*)**

**Note:**

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