

**Hambletonian Continuing Education Seminar\***  
**Sheraton Meadowlands Hotel, E. Rutherford, NJ**  
**Friday, August 2, 2013**  
**7:00 AM – 5:30 PM**

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

**7:00 - 8:00 AM**

**Exhibit Area**

**Registration and Continental Breakfast (*sponsored by Purina Animal Nutrition*)**  
**Trade Show Opens**

**8:00 - 8:15 AM**

**Exhibit Area**

**Welcome to Seminar Participants**

**8:15 – 9:15 AM**

**Derby West**

**Back to the Future: Laminitis 2007–2013 (*sponsored by Patterson Veterinary*)**

**James A. Orsini, DVM, DACVIM**

*Dr. Orsini received his DVM from Cornell University in 1977 and completed his internship and surgery residency training at Penn's New Bolton Center. He currently serves as an Associate Professor of Surgery and Director of the Laminitis Institute at Penn Vet leading the research, clinical and educational components of the Institute with the goal to "conquer laminitis" by 2020. Dr Orsini founded and directed six "International Equine Conferences on Laminitis and Diseases of the Foot," a biennial conference and as co-director for the "Laminitis West Conference." He also serves as Penn's Director of Equi-Assist - the first home care nursing programming for horses – providing compassionate and continuity of care from hospital to home. He published extensively on equine pediatric surgery, antimicrobials, laminitis, gastric ulcers, pain and anti-inflammatory medications and related fields.*

Laminitis advances in the understanding, prevention, and treatment of this disease continue to improve the health and well-being of horses. Updates on inflammatory, endocrinopathic and support limb laminitis will be covered.

**Derby East**

**Controversies in Equine Neurology: Focus on EPM (*sponsored by Bayer Animal Health*)**

**Stephen M. Reed, DVM, DACVIM**

*Dr. Reed earned his DVM at The Ohio State University, followed by a residency at Michigan State University. He started his academic teaching career at Washington State University from 1979-1983, he then returned to The Ohio State University where he spent 26 years as professor and mentor in the Equine Medicine department. Dr. Reed is a noted author and editor of numerous scientific articles and textbooks. He has spoken at numerous state, national and international meetings. His primary research interests include Equine Neurologic Diseases. He is currently an internist and member of the Practice at Rood and Riddle Equine Hospital along with being Emeritus Professor of The Ohio State University Veterinary Medical School and an Adjunct Professor at the University of Kentucky.*

There are many controversies surrounding neurological diseases of horses. This talk is dedicated to diagnostic testing for Equine Protozoal Myelitis (EPM), what are the best treatments for this disease and how to make pre and post-treatment neurological examinations accurate and repeatable. Some time will be devoted to the primary differential diagnoses for Equine Protozoal Myelitis.

**9:20 – 10:20 AM**

**Derby West**

**Updates in Perinatology: Abnormal Events During Pregnancy, Delivery and Early Foal Development – Part One (*sponsored by Merck Animal Health*)**

**Patrick McCue, DVM, PhD, DACT**

*Dr. McCue received his DVM from the University of California, Davis, in 1986. He subsequently completed an internship in Large Animal Medicine and Surgery at the University of Pennsylvania*

and a residency in Equine Reproduction at UC-Davis. He received a PhD in Comparative Pathology from UC-Davis in 1992, and joined the faculty at Colorado State University in 1994. Dr. McCue coordinates the Clinical Stallion, Broodmare, Foaling & Embryo Transfer Services at the Equine Reproduction Laboratory, Colorado State. He also attends to dystocias, high risk pregnancies and other equine reproduction cases at the university's Veterinary Teaching Hospital. He is the author or co-author of over 200 refereed publications, textbook and scientific proceedings chapters and abstracts. In addition, he writes a monthly column, "The Breeding Shed" for the American Quarter Horse Journal.

### **Wendy E. Vaala, VMD, DACVIM**

Dr. Vaala received her VMD from the University of Pennsylvania. She then served on staff as an Assistant Professor of Medicine at New Bolton Center, where she organized the development of a neonatal intensive care program, a high-risk pregnancy program for mares, and supervised the neonatology teaching program. Dr. Vaala then worked at two large private practices in NJ, where she established NICU's, equine medical referral services, and foaling programs for mares with high-risk pregnancies. She joined Intervet in 2004, and currently serves as Senior Equine Technical Specialist for Merck Animal Health, where her field responsibilities include participation in research and development of new equine biologics and pharmaceuticals and continuing education for veterinarians and horse owners. She is widely-published, and is a noted lecturer nationally and internationally.

These lectures will focus on a variety of topics including early recognition and management of mares with placentitis, predisposing causes and treatment strategies for dystocia, "red bag" delivery, and retained placenta. Therapies for mares who are fluid accumulators and management strategies for mares and foals at risk for neonatal Isoerythrolysis will also be discussed. Client education will be emphasized for all of these conditions. Foal topics will include suggestions of what to look for in a newborn foal exam, hereditary conditions in foals – clinical signs and how to confirm the diagnosis, drug resistant ascarids and tips for designing a parasite control program for the first year of life, and updates on prevention and treatment strategies for *Rhodococcus equi*.

## **Derby East**

### **International Movement of Horses – USDA Accreditation CE Module #8**

#### **Anna C. Welsch, DVM**

Anna-Carolina "AC" Welsch received her DVM from Oklahoma State University in 1990. After graduation she practiced in a small animal hospital and a fiber animal practice in Virginia. She then moved to Paris, to complete a French master's degree program in tropical veterinary medicine. Her studies took her to Zimbabwe to work with a Boer goat production project. She returned to the US and began working with the USDA Veterinary Services in 1992. She has worked at the NJ USDA Aphis Veterinary Services office for over 20 years. She has overseen many equine international imports and exports including the 1996 Olympic Games in Atlanta, GA, and the 1993 International World Pairs Driving Championships in Gladstone NJ.

- Under the "new" veterinary accreditation standards, veterinarians must take USDA approved continuing education to retain their accreditation. Equine practitioners fall under Category II accreditation standards, and must take 6 units of specific CE in 3 years to retain their accreditation.
- Upon completion of this course, accredited veterinarians will earn one unit of USDA approved CE. They will be able to talk with their clients about the risk of international travel leading to global spread of disease and locate resources to assist them in their import/export role as accredited vets. This will help ensure that all horses exported from the United States meet the import requirements of the destination country as well as the return import requirements of the United States for those moved temporarily to destination countries which will keep your clients happy!

**10:20 – 10:50 AM**

**Exhibit Area**

**Morning Break/Refreshments (sponsored by 3M Animal Care & Patterson Veterinary)**

**10:50 – 11:50 AM**

**Derby West**

**Updates in Perinatology: Abnormal Events During Pregnancy, Delivery and Early Foal Development – Part Two (sponsored by Merck Animal Health)**

**Patrick McCue, DVM, PhD, DACT & Wendy Vaala, VMD, DACVIM**

*See bios in 9:20 – 10:20 AM session*

These lectures will focus on a variety of topics including early recognition and management of mares with placentitis, predisposing causes and treatment strategies for dystocia, “red bag” delivery, and retained placenta. Therapies for mares who are fluid accumulators and management strategies for mares and foals at risk for neonatal Isoerythrolysis will also be discussed. Client education will be emphasized for all of these conditions. Foal topics will include suggestions of what to look for in a newborn foal exam, hereditary conditions in foals – clinical signs and how to confirm the diagnosis, drug resistant ascarids and tips for designing a parasite control program for the first year of life, and updates on prevention and treatment strategies for Rhodococcus equi.

**Derby East**

**Lameness in Sport Horses and Use of Computed Tomography**

**Omar Maher, DVM, DACVS, DACVSMR**

*Dr. Maher is originally from Morocco, where he earned his DVM. After having worked as an intern in France (National Veterinary School of Lyon), he joined Rochester Equine Clinic for 2 years, and then joined the New England Equine Medical and Surgical Center before entering the University of California Davis for his residency in Equine Surgery. While at UC Davis, Dr. Maher took special interest in lameness and advanced imaging, especially Contrast enhanced CT scan. In 2008 he rejoined the New England Equine Medical and Surgical Center where he has been instrumental helping develop a state of the art imaging center. Dr. Maher’s research work has been presented worldwide, and he has been involved in numerous prestigious scientific publications on veterinary research and surgery.*

The use of computed tomography (CT) is invaluable for the detection of structural changes of the bone. In addition, the use contrast enhanced CT allows for physiological assessment of tendons and ligaments. The use of this imaging modality and its clinical application to conditions seen in sport horses will be discussed in this presentation.

**11:50 – 1:50 PM**

**Exhibit Area**

**Exhibitor Displays and Buffet Lunch (sponsored by Merck Animal Health and Zoetis)**

**1:50 – 2:50 PM**

**Derby West**

**Unraveling the Mystery of Equine Lyme Disease: One Step at a Time (sponsored by Wedgewood Pharmacy)**

**Thomas J. Divers, DVM, DACVIM, DACVECC**

*Dr. Divers is a graduate of the University of Georgia, completed an internship at the University of California, Davis, and a residency at the University of Georgia in both internal medicine and ambulatory practice. He was a faculty member at the University of Georgia in both ambulatory and internal medicine for 2 years. He then moved to New Bolton Center, University of Pennsylvania, for the next 10 years where he served as a professor of medicine and Chief of the section of medicine. Dr. Divers is currently Professor and Chief of Large Animal Medicine at Cornell University College of Veterinary Medicine where he focuses on equine and bovine internal medicine and critical care. Research interests include equine motor neuron disease, equine Lyme disease, equine protozoal myelitis and advances in internal medicine and critical care.*

This talk will attempt to separate the confirmed and unconfirmed (but possibly true) clinical aspects of Equine Lyme Disease. Information will be provided to show that slow but steady progress is being made in our understanding of this disorder.

Derby East

**Electrolytes: How and Why to Use Them in Horses (sponsored by Purina Animal Nutrition)**

**Mary Beth Gordon, PhD**

*Dr. Gordon earned her PhD in Equine Nutrition and Exercise Physiology from Rutgers University. Her research focused on the effects of exercise on the hormonal regulation of appetite in horses and her work was the first to characterize the appetite stimulating hormone, ghrelin, in equine. She is published in numerous scientific journals including The Veterinary Journal, Equine Veterinary Journal, Journal of Equine Veterinary Science, and Equine Comparative Exercise Physiology. She has also co-authored chapters in several textbooks such as Equine Sports Medicine and Surgery. Dr. Gordon joined Purina Mills in 2005, and is currently Director of Research & New Product Development.*

When should electrolytes be fed to horses and do we even need to? Some horse owners feed electrolytes daily, others sporadically, some not at all. This talk will cover the how and why to using electrolytes so you can feel confident recommending different electrolyte feeding programs to your clients.

**2:55 – 3:55 PM**

Derby West

**Unexpected Medical Outcomes: A Case-based Approach about Resources to Address Unexpected Outcomes: Part One (sponsored by Zoetis)**

**John “Jay” M. Donecker VMD, MS**

*Dr. Donecker received his VMD from the U. 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 (equine) 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 Jay joined the Outcomes Research Team for Zoetis.*

**Emily Graves, VMD, MS, DACVIM (LAIM)**

*Dr. Graves received her VMD degree from the University of Pennsylvania in 1999. After a 1-year equine ambulatory internship at Rood & Riddle Equine Hospital, she completed a 3-year equine internal medicine residency and a MS degree program at Michigan State University in 2003. Dr. Graves spent the next two years as an associate veterinarian in equine private practice, followed by one year at Colorado State University’s Equine Hospital. She also founded an equine medicine consulting practice in 2006. Dr. Graves joined Zoetis’ Veterinary Medical Information & Product Support (VMIPS) team as a part-time consultant veterinarian in 2006. In 2010, she became a full-time team member at VMIPS.*

This 2-hour lecture will address unexpected medical outcomes in equine practice, using a case-based platform. Presenters will emphasize the resources available to practitioners to aid in investigation of such atypical outcomes, whether a suspected infectious disease, poor response to therapy, or adverse reaction.

Derby East

**What’s Hot and What’s Cool: Emerging Technologies for Laminitis Treatment**

**James A. Orsini, DVM, DACVIM**

*Dr. Orsini received his DVM from Cornell University in 1977 and completed his internship and surgery residency training at Penn’s New Bolton Center. He currently serves as an Associate Professor of Surgery and Director of the Laminitis Institute at Penn Vet leading the research, clinical and educational components of the Institute with the goal to “conquer laminitis” by 2020. Dr Orsini founded and directed six “International Equine Conferences on Laminitis and Diseases of the Foot,” a biennial conference and as co-director for the “Laminitis West Conference.” He also serves as Penn’s Director of Equi-Assist - the first home care nursing programming for horses – providing compassionate and continuity of care from hospital to home. He published extensively*

*on equine pediatric surgery, antimicrobials, laminitis, gastric ulcers, pain and anti-inflammatory medications and related fields.*

This presentation summarizes recent advances in the treatment of acute and chronic laminitis. Case presentations will be used to support treatment decisions.

**3:55 – 4:30 PM**

**Exhibit Area**

**Afternoon Break/Refreshments (*sponsored by Merial and Sound-Eklin*)**

**4:30 – 5:30 PM**

**Derby West**

**Unexpected Medical Outcomes: A Case-based Approach About Resources to Address Unexpected Outcomes: Part Two (*sponsored by Zoetis*)**

**John “Jay” M. Donecker VMD, MS & Emily Graves, VMD, MS, DACVIM**

*See bios in 2:55 – 3:55 PM session*

This lecture will address unexpected medical outcomes in equine practice, using a case-based platform. Presenters will emphasize the resources available to practitioners to aid in investigation of such atypical outcomes, whether a suspected infectious disease, poor response to therapy, or adverse reaction.

**Derby East**

**Diagnostic Imaging of the Equine Pastern: A Multi-Modality Approach (*sponsored by Vet-Ray Technology by Sedecal*)**

**Myra F. Barrett, DVM, MS, DACVR**

*Dr. Barrett earned her DVM from Colorado State University. After completing an internship at Oakridge Equine Hospital, in Edmond, OK, she underwent a non-conforming radiology residency in order to focus on equine diagnostic imaging. The residency was based at Colorado State but included training with multiple equine imaging experts in the US and internationally. At the same time, Dr. Barrett obtained a master's degree through the Equine Orthopaedic Research Center at CSU. She stayed on at CSU where she serves as Assistant Professor of Radiology. Dr. Barrett's primary research and clinical interests are equine musculoskeletal imaging and comparative imaging, and she works closely with the equine surgery and sports medicine services. Dr. Barrett also is a partner in Inside Information LLC, an independent teleradiology company.*

Dr. Barrett's presentation will cover radiography, ultrasound and advanced imaging of the pastern including ultrasound technique and comparative imaging.