



**Certificate Course in Equine Anesthesia, Analgesia & Perioperative Care**  
ACVAA- & AVTAA-Endorsed & RACE-Approved Program for Veterinarians & Veterinary Technicians

## SUMMARY

In recent decades, considerable progress has been achieved in the field of equine anesthesia, analgesia, and perioperative care. New developments in the design of more sophisticated anesthesia machinery, introduction of new drugs and anesthetic protocols, and establishment of technically advanced methods of monitoring and maintaining vital functions during anesthesia have allowed to significantly reduce perioperative morbidity and mortality, which in the past had been reported to be significantly higher in the equine as compared to small animal species. At the same time, expectations and demand for improved anesthesia and analgesia care have increased within the entire horse industry. Therefore, advanced education of both veterinarians and veterinary technicians in all aspects of equine anesthesia and analgesia is necessary to satisfy the growing expectations of both the veterinary community and animal owners and to optimize equine health care in the future. The course program is directed towards veterinarians and credentialed veterinary technicians with a focused interest in equine anesthesia, analgesia, and perioperative care. The 3-module course combines traditional methods of teaching in the seminar room and workshops with the new methods of learning using computer simulations, demonstrations with the help of digital image and data recordings from the operating room and webinars for self-study at home. The training committee of the American College of Veterinary Anesthesia and Analgesia (ACVAA), responsible for further and advanced training, has endorsed the program and judged the course after thorough examination as high-quality basic and advanced training for the horse practitioner. The Academy of Veterinary Technicians in Anesthesia & Analgesia (AVTAA) also endorsed the program and accepts successful completion of this program as having fulfilled all CE requirements necessary for submission of credentials to the AVTAA.

## DATES

**Module 1:** August 27-30, 2020

**Module 2:** November 19-21, 2020

**Module 3:** March 03-06, 2021

## LOCATIONS

Rood and Riddle Equine Hospital  
2150 Georgetown Road  
Lexington, KY 40511

## COURSE DIRECTOR

Bernd Driessen, DVM, PhD, DACVAA, DECVPT  
University of Pennsylvania  
Narkovet Consulting LLC.

## INSTRUCTORS

Bernd Driessen, DVM, PhD, DACVAA, DECVPT  
Lauren Duffee, VMD, DACVAA, CVMA  
Klaus Hopster, DVM, PhD, DECVAA  
Charlotte Hopster-Iversen, DVM, PhD, DECEIM  
John A.E. Hubbell, DVM, MS, DACVAA





## EXCERPT OF THE COURSE PROGRAM

- Introduction to the course and outline of a well functional anesthesia service group within the clinical veterinary team fulfilling the ACVAA equine anesthesia guidelines
- Purpose of the pre-anesthetic examination - Importance of the ASA classification system and anesthetic risk assessment
- Physiological, pathophysiological & pharmacological concepts of anesthesia and perioperative analgesia in the equine
- Basic principles of safe and efficient anesthesia and perioperative pain management in horses, ranging from pre-anesthetic patient assessment to post-anesthetic care
- Components, function, and functionality testing of anesthesia equipment and workstations
- Techniques of perioperative vital function monitoring
- Basic concepts and clinically commonly applied methods for monitoring depth of anesthesia and nociception
- Disease-, age-, intervention- and species-specific aspects of equine anesthesia and perioperative analgesia management
- Maintenance of adequate respiratory and cardiovascular function during anesthesia
- Management of intraoperative respiratory and/or hemodynamic dysfunction including techniques of cardiopulmonary resuscitation (CPR) in horses
- Recognition and management of perianesthetic cardiac arrhythmias
- Recognition and management of perianesthetic disturbances in blood, electrolyte, and/or acid-base homeostasis
- Case studies, simulations, and footage of clinical case management illustrating state of the art practice of anesthesia including high flow/low flow inhalation anesthesia techniques, perioperative monitoring, ventilation support, hemodynamic support, and analgesia care in horses
- Emergency management of intraoperative respiratory and/or cardiovascular failure
- Recognition and grading of perioperative pain and pain therapy
- Assisted recovery methods in the post-anesthetic period
- Foal-specific aspects of anesthesia, analgesia and perioperative intensive care

**REGISTRATION CLOSES JULY 17, 2020**



This program has been endorsed by the  
American College of Veterinary  
Anesthesia & Analgesia

**Early bird pricing: Save \$540 if you register before May 1. For more information and to register, please visit: <http://registernvc.vetbloom.com/equine-anesthesia>**