



AO VET NA Course—Advanced Techniques in Equine Fracture Management

 October 16, 2021 - October 18, 2021
La Jolla, California, USA

The focus of the **Advanced Techniques in Equine Fracture Management** course is on principles and techniques for reconstruction of complicated fractures in the horse requiring various plating applications. This course builds upon the foundation of fracture repair taught in the **Equine Basic Principles** course. Lecture topics include management of complicated and long bone fractures as well as external fixation techniques. Time for discussion and radiographic review of complicated cases will be provided. Participants are encouraged to bring radiographs (imported into a Power Point presentation, details to follow) of problem cases to the course. The hands-on laboratory exercises include plate fixation of radial, ulnar and metacarpal fractures as well as fetlock arthrodesis. Faculty for both the lectures and practical labs are experts on fracture fixation and provide the most current information on techniques and management of orthopedic injuries in the equine patient.

***The Equine Basic Principles course is a prerequisite for the Equine Advanced Techniques course since familiarity with instrumentation and techniques will be assumed.**

Target Audience

Enrollment is open to veterinary residents and practicing veterinarians – especially those with particular interest with the equine patient



Event Summary

Tuition:

Level Name: Participant - Veterinary
Pricing Tier: Attending
Tuition: \$1,080.00

Level Name: Participant - Veterinary
Pricing Tier: Resident
Tuition: \$860.00

Course Prerequisite(s):

- Equine Principles of Fracture Management

Venue:

Hilton La Jolla Torrey Pines
10950 North Torrey Pines Road
La Jolla, CA, USA
Phone Number: 1-858-558-1500
www.hiltonlajollatorreypines.com

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

No Prerequisites

CME

Continuing Education Credit: 23.25

- AO North America is a Registry of Approved Continuing Education (RACE) Provider (Number 244).

Designation Statement

This program was reviewed and approved by the AAVSB RACE program for 23.25 hours of continuing education credit in jurisdictions which recognize AAVSB RACE approval. Please contact the AAVSB RACE program if you have any comments/concerns regarding this program's validity or relevancy to the veterinary profession.

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, neurosurgery, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA's CME activities for surgeons, fellows, and residents are to:

- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques
- Address practice performance gaps by improving management of aspects of traumatic injuries and musculoskeletal disorders (i.e., pre-operative planning to post-operative care)

Learning Objectives

Upon completion, participants should be able to:

- Describe the biomechanics of fractures
- Manage complicated and long bone fractures in the horse
- Apply appropriate internal or external fixation techniques for reconstruction of complicated fractures in the horse
- Identify indications for corrective osteotomy
- Assess open and infected fractures and develop a treatment plan

Faculty



Ruggles, Alan - Chairperson

DVM, DACVS
Staff Surgeon
Rood & Riddle Equine Hospital
Lexington, Kentucky

Dr. Alan Ruggles is a graduate of the Veterinary School at Cornell University and completed his residency at the University of Pennsylvania. He is in private practice in Lexington KY specializing in equine orthopedics. He is a Diplomate of the American College of Veterinary Surgeons. He has been an AO VET faculty member since 1994.



Bramlage, Larry - Co-Chairperson

DVM, MS, DACVS
Equine Orthopedic Surgeon
Rood & Riddle Equine Hospital
Lexington, Kentucky

Graduate of Kansas State University College of Veterinary Medicine Internship Colorado State University Residency Ohio State University Certified American College of Veterinary Surgeons AO Faculty since 1978 Faculty-The Ohio State University 13 years, Private Practice, Rood & Riddle Equine Hospital, Lexington, Kentucky 32 years Larry Bramlage is a 1975 graduate of the Kansas State University College of Veterinary Medicine (DVM) and received a Master of Science degree from Ohio State (MS) in 1978. He holds a Diploma of the American College of Veterinary Surgery (Diplomate ACVS). Dr. Bramlage is an internationally recognized equine orthopedic surgeon and practices at Rood & Riddle Equine Hospital in Lexington, Kentucky. He is a past President of the American Association of Equine Practitioners, and of the American College of Veterinary Surgeons. In recognition of his dedication and contribution to Thoroughbred racing, Dr. Bramlage was awarded the 1994 Jockey Club Gold Medal for contributions to Thoroughbred Racing in the United States. He is also a past chairman of the Research Advisory Committee of the Grayson-Jockey Club Research Foundation and serves on the Board of Directors for that organization. His additional honors include the 1997 Tierlink Hochmoor Prize for his work regarding the internal fixation of fractures, the 1998 distinguished alumnus award from The Ohio State University, Alumni Fellow Award from Kansas State University, a British Equine Veterinary Association's Special Award of Merit, and the American College of Veterinary Surgeons Legends award for the development of the fetlock arthrodesis procedure for horses in 2009, and the Thoroughbred Club Testimonial Award in 2014. He has received the American Association of Equine Practitioners Distinguished Service Award twice. He was elected to membership in the Jockey Club in 2002 and to Distinguished Lifetime Membership in the American Association of Equine Practitioners in 2010. He received the American College of Veterinary Surgeons Founders Award for career achievement in 2018 and the AAEP "Sage Kester Beyond The Call Award in 2021. Grayson-Jockey Club "Dinny Phipps Award for contributions to horse health and welfare in 2023.



Galuppo, Larry - Lecturer

DVM, DACVS
Professor Emeritus, Equine Surgery
New England Equine Medical and Surgical Center
Dover, New Hampshire

Dr. Larry Galuppo graduated from the UC Davis School of Veterinary Medicine and completed an internship at Rood & Riddle Equine Hospital. He returned to UC Davis for residency in equine surgery and subsequently obtained board certification from the American College of Veterinary Surgery in 1995. He obtained an assistant Professor position at UC Davis in 1996 and became a Full Professor in 2007. After 28 years of academic service, He has recently retired and is now employed at the New England Equine Medical & Surgical Center in Dover New Hampshire. His main area of clinical expertise is in equine orthopedic surgery, including tendon, ligament and joint disorders, with special interest in traumatology and fracture repair. Other interests include minimally invasive procedures such as arthroscopy and tenoscopy. Research emphasis on biomechanics of fracture generation, implant design and fracture repair, with a recent focus in novel healing methods for musculoskeletal injuries using regenerative medicine techniques.

**Garcia-Lopez, Jose - Lecturer**

VMD, DACVS, DACVSMR
Associate Professor of Large Animal Surgery
Department of Clinical Studies - New Bolton Center
School of Veterinary Medicine
University of Pennsylvania
Kennett Square, Pennsylvania

Dr. José M. García-López, VMD, Dipl. ACVS, Dipl. ACVSMR American College of Veterinary Surgeons American College of Veterinary Sports Medicine and Rehabilitation Associate Professor Large Animal Surgery Department of Clinical Studies - New Bolton Center University of Pennsylvania School of Veterinary Medicine José obtained his VMD from the University of Pennsylvania in 1996 and went on to complete a 1-year Equine Internship at Mid-Atlantic Equine Medical Center (Ringoes, New Jersey, USA) followed by a 3-year Large Animal Surgical Residency with a special focus on Equine Sports Medicine at Tufts University in North Grafton, Massachusetts. He became a Diplomate of the American College of Veterinary Surgeons in 2001. Following his residency, José obtained a Lecturer position in the Section of Equine Sports Medicine and Imaging at the University of Pennsylvania's New Bolton Center in Kennett Square, Pennsylvania where he remained for 2 years. From 2002 through 2022, he returned to Tufts Cummings School of Veterinary Medicine as an Assistant, then Associate Professor in Large Animal Surgery, where he helped develop the Equine Sports Medicine and Surgery Service of which he served as its Director from 2014-2022. He became board certified by the American College of Veterinary Sports Medicine and Rehabilitation in 2013. While at Tufts, he focused his work on the diagnosis and management of musculoskeletal disorders as well as the use of advanced imaging in the equine athlete. In 2022, he returned to the University of Pennsylvania's New Bolton Center, where he is currently a Clinical Associate Professor of Large Animal Surgery, focusing on equine orthopedics, including arthroscopy and fracture repair, lameness diagnosis and treatment, and advanced imaging. Dr. García-López is also a faculty member of AO VET North America (AO VET NA), having served as Chair from 2021-2024. He regularly lectures and provides consultations at the national and international level.

**Gasiorowski, Janik - Lecturer**

VMD, DACVS
Mid-Atlantic Equine Medical Center
Ringoes, New Jersey

"Dr. Gasiorowski graduated cum laude from the University of Pennsylvania School of Veterinary Medicine in 2007. Following graduation he completed an internship at Rood & Riddle Equine Hospital, followed by a 3 year surgical residency at the University of Pennsylvania's New Bolton Center. He was awarded diplomat status by the American College of Veterinary Surgeons (ACVS) in 2012. Dr. Gasiorowski started his career in the New Bolton Center section of surgery where he was on staff until moving to Mid-Atlantic Equine Medical Center in 2013. During his tenure there he received teaching awards and the Charles W. Raker surgery award. Dr. Gasiorowski is an active faculty member of AO VET. His primary clinical interests include orthopedic surgery and advanced imaging. More recently, he has been focusing on the development of CT and surgical techniques in the standing horse. His research interests include clinical orthopedics and he has presented on topics including current applications of locking compression plates, computed tomography (CT scan) assisted fracture fixation and orthopedic implant removal. On a more personal note, he has a growing interest in the transitioning of thoroughbred racehorses to second careers. Dr. Janik Gasiorowski paired academics with athletics throughout his undergraduate education. He began as a biology major and member of the crew team at Duke University. In 2000 he transferred to the University of California, Berkeley to pursue Division I rowing and was a recipient of the PAC-10 Division I Athletes All-Academic scholarship. These days he still enjoys rowing, skiing, and the outdoors and spends all of his free time with his wife Brooke, sons Calvin and Gabriel, and daughter Blake.

**Glass, Kati - Table Instructor**

DVM, DACVS
Clinical Associate Professor
Department of Large Animal Clinical Sciences
Texas A&M University College of Veterinary Medicine
College Station, Texas

Kati Glass is a Clinical Associate Professor at the Texas A&M College of Veterinary Medicine & Biomedical Sciences' Veterinary Medical Teaching Hospital. She graduated summa cum laude from Texas A&M College of Veterinary Medicine & Biomedical Sciences with her DVM in 2012. She completed an internship at Equine Medical Center of Ocala prior to a surgery residency at Texas A&M in 2016. Kati became a Diplomate of the College of Veterinary Surgeons (Large Animal) in 2017 and has been AO Faculty since 2018. She has primary clinical interests in orthopedic trauma, sports medicine, and advanced imaging.

**Goodrich, Laurie - Lecturer**

DVM, MS, PhD, DACVS
 Professor of Equine Surgery
 Director, Orthopaedic Research Center
 Department of Clinical Sciences and Orthopaedic Research Center
 Fort Collins, Colorado

Dr. Laurie Goodrich is the Director of the Orthopaedic Research Center at Colorado State University's C. Wayne McIlwraith Translational Medicine Institute and holds the Barbara Cox Anthony University Chair in Orthopaedics. She is an equine surgeon specializing in orthopedic surgery and lameness with a focus on musculoskeletal injuries and trauma. She is an American College of Veterinary Surgeons (ACVS) Founding Fellow in Minimally Invasive Surgery, Large Animal Orthopedics. She received her DVM from the University of Illinois, completed an internship at Virginia Maryland Regional College of Veterinary Medicine and an equine surgical residency at the Marion duPont Scott Equine Medical Center in Northern Virginia. During that time, she also completed a Master of Science in Pharmacology at Virginia Tech. She joined the faculty at Cornell University as an Equine Surgeon in 1996 and also completed a PhD in cartilage repair in 2005 while at Cornell. She then began at CSU in 2005 as an Assistant Professor of Equine Surgery and is currently a Professor of Surgery and a principle investigator in the Orthopedic Research Center. She is a translational scientist whose research focuses on regenerative medicine, gene therapies and biologics to improve joint and bone repair in both animals and people. She has received the Elastikon Award in Research Excellence from the Grayson Jockey Club Research Foundation, the Cabaud Award in Research from AOSSM and CSU's AAEP Clinician of the Year Award for teaching excellence. She is on the Board of Directors for North American Veterinary Regenerative Medicine Association and is past president and chair of both the Preclinical Models Section of the Orthopedic Research Society and the American College of Veterinary Surgeons.

**Kawcak, Chris - Evaluator, Lecturer**

DVM, PhD, DACVS, DACVSMR
 Professor of Surgery
 Translational Medicine Institute
 Orthopedic Research Center
 Department of Clinical Sciences
 College of Veterinary Medicine and Biomedical Sciences
 Colorado State University
 Fort Collins, Colorado

Dr. Kawcak is a professor of surgery and a principle investigator in the Orthopaedic Research Center and Equine Veterinary Teaching Hospital at Colorado State University. His clinical practice centers on diagnosis and treatment of performance-limiting orthopedic injuries in horses, and his research focuses on diagnosis and treatment of fatigue injuries in equine athletes.

**Nixon, Alan - Lecturer**

BVSc, MS, DACVS
 Professor Emeritus of Large Animal Orthopedic Surgery
 Director, Comparative Orthopaedics Laboratory
 Cornell University
 Consulting Orthopedic Surgeon, Cornell Ruffian Equine Specialists
 Ithaca and Elmont, New York

Dr. Alan Nixon has been practicing veterinary orthopedic surgery since 1979 with a focus on cartilage, bone, tendon and ligament diseases. He received his veterinary degree from the University of Sydney in 1978 and completed a surgical residency and research degree at Colorado State University in 1983. After five years in the Department of Surgical Sciences at the University of Florida, he moved to Cornell University in 1988, where he is Professor Emeritus of Orthopedics and Consulting Surgeon at the Cornell Ruffian Equine Specialists in New York City. He is also an Adjunct Professor at the University of Florida, and a consultant with the Rood & Riddle Equine practices in Wellington FL, and Saratoga, NY. He is certified by the American College of Veterinary Surgeons.

**Ortved, Kyla - Lecturer**

DVM, PhD, DACVS, DACVSMR
 Associate Professor of Large Animal Surgery
 Jacques Jenny Endowed Chair of Orthopedic Surgery
 New Bolton Center
 University of Pennsylvania
 Kennett Square, Pennsylvania

Dr. Kyla Ortved is an Associate Professor of Large Animal Surgery at New Bolton Center, University of Pennsylvania in Kennett Square, PA. She received her DVM degree from the University of Guelph in 2006 and completed her large animal surgical residency at Cornell University in 2010. Kyla became boarded with the American College of Veterinary Surgeons in 2011. Following her residency, Kyla went on to obtain a PhD in equine cartilage repair at Cornell University. She received her PhD in June 2014 and joined the faculty at Cornell Ruffian Equine Specialists in July 2015. In January 2016, Kyla became boarded with the American College of Sports Medicine and Rehabilitation. She joined the faculty at New Bolton Center in February 2016 as a large animal orthopedic surgeon. Her research program at New Bolton Center focuses on orthopedic disease and investigating gene and cell therapies to improve cartilage repair and prevent osteoarthritis. Dr. Ortved has completed the Faculty Education Program.

**Richardson, Dean - Lecturer**

DVM, DACVS

Charles W. Raker Professor Emeritus of Equine Surgery

New Bolton Center

University of Pennsylvania

Kennett Square, Pennsylvania

Dean W. Richardson, DVM, is emeritus Professor at New Bolton Center in the School of Veterinary Medicine at the University of Pennsylvania. His practice is predominantly equine orthopedic trauma. Dr. Richardson graduated from The Ohio State University in 1979 and attended his first AO course as a veterinary student. After his internship and residency at the University of Pennsylvania, he joined the faculty of AO and has taught AO veterinary courses throughout the world for almost 40 years. He has served on the AONA Board of Directors, AONA-Vet Education Committee, the AO-Vet TK committee and reviewed extensively for Foundation research grants.

**Watkins, Jeffrey - Lecturer**

DVM, MS, DACVS

Professor

Linda and Dennis H. Clark '68 Endowed Chair in Equine Studies

Department of Large Animal Medicine

Veterinary Teaching Hospital

Texas A & M University

College Station, Texas

Dr. Watkins is a graduate of the College of Veterinary Medicine at Kansas State University. He completed his post graduate training in surgery at Texas A&M University and is a Diplomate of the American College of Veterinary Surgeons. Currently he is a professor of surgery, specializing in equine orthopedics at Texas A&M University's College of Veterinary Medicine. Dr. Watkins has a long history of activity within AOVETNA and AOVET international as a faculty member, course co-chair and committee member. He is currently serving as chair of AOVET international.

AO NA Disclaimer Information

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All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

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