AO VET NA Online Course—Canine Limb Alignment and Deformity Correction

January 25, 2021 - February 8, 2021
Online, N/A, N/A

The ***AO VET North America Online Course - Canine Limb Alignment and Deformity Correction*** focuses on learning the principles of deformity correction as part of the center of rotation of angulation or CORA methodology and their application to the canine appendicular skeleton. As such, emphasis is made on determining normal limb alignment and how to apply those analyses to the malaligned limb. Various corrective techniques including both internal and external fixation will be presented. Correction of radial, femoral and tibial deformities will constitute the majority of the discussion. The course will be interactive with exercises to be completed both in real time and between sessions. The second and third sessions will feature smaller discussion groups in which specific cases will be explored in greater detail.

Prerequisite:

The AO VET Small Animal Principles course is a prerequisite for this online course since familiarity with surgical techniques is necessary (rather than assumed)

Event Summary

Tuition:
Level Name: Participant - Veterinary
Pricing Tier: Attending
Tuition: $450.00

Level Name: Participant - Veterinary
Pricing Tier: Resident
Tuition: $400.00

Course Prerequisite(s):

- Principles of Small Animal Fracture Management

Venue:
No Venue

Language(s):
English

Directly Provided by:
AO North America

Professional Level Prerequisite(s):
No Prerequisites

CME

Continuing Education Credit: 9.00

- Activity will be certified for continuing education.

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:

- Assess the Limb Alignment of the Thoracic and Pelvic Limbs (both normal and malaligned) in the Dog
- Utilize the Determined Limb Alignment to Document and Define Any Malalignment or Deformity Present
- Use the Map of Documented Malalignments to Develop a Pre-Surgical Plan for Correction

Faculty

Agnello, Kimberly - Moderator

DVM, MS, DACVS, DACVSMR
Professor of Small Animal Orthopedic Surgery
ACVS Founding Fellow, Minimally Invasive Surgery (Orthopedics)
University of Pennsylvania School of Veterinary Medicine
Department of Clinical Studies - VHUP
Philadelphia, Pennsylvania

Dr. Agnello received her veterinary degree from Cornell University, School of Veterinary Medicine and completed a small animal surgery residency at the University of California. She is a Diplomate of the American College of Veterinary Surgeons and the American College of Veterinary Sports Medicine and Rehabilitation. She is currently faculty in small animal orthopedic surgery at University of Pennsylvania. Dr. Agnello's clinical and research interests include minimally invasive surgery, angular limb deformity correction, and clinical trials for the treatment of osteoarthritis.

Bleedorn, Jason - Lecturer

DVM, MS, DACVS
Associate Professor
Small Animal Orthopedics
Colorado State University
Department of Clinical Sciences
Fort Collins, Colorado

Dr. Bleedorn is an associate professor of orthopedics at Colorado State University. His clinical and research interests include bone deformity correction, 3D imaging/modeling/printing, implant design/biomechanics, fracture innovation, and arthroscopic surgery. He has published manuscripts and book chapters in these areas and is concurrently an instructor for AO VET, Arthrex, and IMEX. He is passionate about innovation, improving orthopedic care for pets, and teaching of veterinarians, residents and students. He was on faculty at the University of Wisconsin for 10 years prior to moving to Colorado in 2022.

Fox, Derek - Chairperson, Lecturer

DVM, PhD, DACVS
Professor, Small Animal Orthopedic Surgery
Veterinary Health Center
University of Missouri
Columbia, Missouri

Dr. Fox is a Professor of Small Animal Orthopedic Surgery and Chief of the Small Animal Surgery Service at the University of Missouri's Veterinary Health Center. He graduated from veterinary school at Michigan State University in 1998, after which he completed an internship, surgical residency and PhD at the University of Missouri, becoming faculty in 2004. He teaches courses and lectures on a variety of topics regarding small animal orthopedic surgery both nationally and internationally. Dr. Fox's special research interest is in limb alignment and deformity correction. He has authored or co-authored over 60 peer reviewed papers, 8 text book chapters and numerous abstracts. He adapted the use of the Center of Rotation of Angulation methodology for the quantification and pre-surgical planning of angular limb deformities in dogs. He is a member of the American College of Veterinary Surgeons, Veterinary Orthopedic Society and AO.

Jaeger, Gayle - Lecturer

DVM, MSpVM, DACVS
Pet Emergency Treatment and Specialties
Lancaster, Pennsylvania

Gayle Jaeger, a native of Long Island New York, received her Bachelor's of Science from Syracuse University, and then earned her Doctorate of Veterinary Medicine from North Carolina State University. She completed an academic internship at Oklahoma State University and a Specialized Orthopedic Surgical Internship in Orlando, Florida at Affiliated Veterinary Specialists. Dr. Jaeger then returned to North Carolina State University for her Surgical Residency training while earning a Masters Degree in Specialized Veterinary Medicine. Dr. Jaeger, was inducted into the American College Of Veterinary Surgeons In 2004 and has been faculty with AONA since 2008. She currently practices in Lancaster Pennsylvania. In her free time she enjoys snowmobiling in Maine and boating on the Chesapeake.

Kowaleski, Michael - Lecturer
DVM, DACVS, DECVS
Professor
Cummings School of Veterinary Medicine
Tufts University
North Grafton, Massachusetts

Dr. Kowaleski earned his DVM degree at the Tufts University School of Veterinary Medicine in 1993. After several years in general practice, he completed his residency training in small animal surgery at Tufts University in a joint program with the Angell Memorial Animal Hospital in 2002. He earned board certification by the American College of Veterinary Surgeons in 2003 and the European College of Veterinary Surgeons in 2010. He was an Assistant Professor of Small Animal Orthopedic Surgery at The Ohio State University from August 2002-August 2007 at which time he was promoted to Associate Professor with tenure. He returned to Tufts in 2007 and currently, he is a Professor of Small Animal Orthopedic Surgery at the Cummings Veterinary Medical Center at Tufts University. His areas of clinical and research interest include arthroscopy, enhancement of fracture healing, external skeletal fixation, fracture repair and orthopedic implants, total joint replacement, clinical and radiological assessment of limb alignment, osteoarthritis, peri-operative and chronic pain management, and the role of osteotomy in the management of joint disease.

Palmer, Ross - Lecturer
DVM, MS, DACVS
Professor, Small Animal Orthopaedic Surgery
Translational Medicine Institute
Colorado State University
Fort Collins, Colorado

Dr. Palmer received his BS and DVM degrees from Kansas State University. He completed an internship at The Animal Medical Center in New York City. He received his small animal surgical residency training and an MS degree (Physiology) from the University of Georgia. He is a Diplomate of the American College of Veterinary Surgeons. His veterinary career has spanned both academics (Texas A&M and Colorado State University) and private specialty practice (Silicon Valley/Monterey Bay region of California) as a staff surgeon and as a practice owner. Ross is Professor of Orthopedic Surgery at Colorado State University. He has been an invited speaker at international conferences globally. He is the founder of the Complete Course on External Skeletal Fixation educating veterinarians from around the world for 25 years. He's authored > 50 journal articles and book chapters. He was voted VMX Speaker of the Year in 2019 and is a past-president of the Veterinary Orthopedic Society. Ross' clinical work is focussed upon traumatology, minimally invasive surgery, limb deformity correction, and conditions of the knee. His research is directed toward disease/injury of the canine/human knee, cartilage repair and development of novel devices for human orthopedic health care. He has mentored recipients of the Best Clinical Research Award and Mark Bloomberg Resident Research Award from the Veterinary Orthopedic Society. His research collaborations include Harvard Childrens' Hospital, UCLA, Stanford, Columbia, Brown, Duke and other universities as well as the National Institutes of Health (NIH) and National Aeronautics & Space Administration (NASA).

Saunders, W. Brian - Moderator
DVM, PhD, DACVS
Professor - Orthopedic Surgery
College of Veterinary Medicine & Biomedical Sciences
Texas A&M University
College Station, Texas

Dr. Saunders is a professor of small animal orthopedics at Texas A&M and a Diplomate of the American College of Veterinary Surgeons. He publishes in the area of implant biomechanics, stem cell biology, tissue engineering, and total joint replacement. He is a Founding Fellow in Minimally Invasive Surgery as well as Joint Replacement Surgery. He performs minimally invasive orthopedic surgery (arthroscopy and trauma), joint replacement, sports medicine surgery, and limb deformity correction.

Tomlinson, James - Co-Chairperson, Lecturer
BSc, DVM, MVSc, DACVS
Professor Emeritus of Small Animal Orthopedic Surgery
Department of Veterinary Medicine and Surgery
College of Veterinary Medicine
University of Missouri
Columbia, Missouri

AO NA Disclaimer Information

Faculty Disclosure:

It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: "Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content," requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

Off-Label / Experimental Discussions:
Some medical devices used for teaching purposes and/or discussed in AO North America's educational activities may have been cleared by the FDA for specific uses only or may not yet be approved for any purpose. Faculty may discuss off-label, investigational, or experimental uses of products/devices in CME certified educational activities. Faculty have been advised that all recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.

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.

Disclaimer:
AONA does not endorse nor promote the use of any product/device of commercial entities. Equipment used or discussed in this educational activity is for teaching purposes only with the intent to enhance the learning experience.

The opinions or views expressed in this live continuing medical education activity are those of the faculty and do not necessarily reflect the opinions or recommendations of AO North America or any commercial supporter. The certificate provided pertains only to the participants' completion of the educational activity.

Conflict of Interest Resolution Statement:
When individuals in a position to control or influence the development of the content have reported financial relationships with one or more commercial interests, AO North America utilizes a process to identify and resolve potential conflicts to ensure that the content presented is free of commercial bias.

Liability Statement:
AO North America faculty and staff assume no personal liability for the techniques/ approaches discussed or demonstrated which are for teaching and educational purposes only. The certificate provided pertains only to the participants' completion of the course and does not, in any way, attest to the proficiency of the participants' clinical experience.

Acknowledgment

Educational Grant

AO North America gratefully acknowledges funding for its education activities from the AO Foundation. The AO Foundation receives funding for education from Synthes GmbH.