



AO VET NA Webinar—MIO in Small Animals



June 12, 2025 - June 12, 2025

Online, N/A, USA

Time: 8:00pm Eastern

Target Audience: Small Animal Veterinarians

Webinar Overview:

For more than three decades Minimally Invasive Osteosynthesis (MIO) has been successfully implemented in human orthopedics and is being gradually embraced by the veterinary orthopedic community. This webinar will provide the audience with an overview of MIO principles as well discussing case selection, expected outcomes and complications. The use of new implants, instrumentation and surgical techniques for the osteosynthesis of diaphyseal and articular fractures will be reviewed along with the benefits and risks associated with intra-operative imaging.



Event Summary

Tuition:

Level Name: Participant - Veterinary

Pricing Tier: Attending

Tuition: \$0.00

Course Prerequisite(s):

No Prerequisites

Venue:

No Venue

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

No Prerequisites

CME

Continuing Education Credit: 1.00

- AO North America is a Registry of Approved Continuing Education (RACE) Provider (Number 50-26631).

Designation Statement

This program was reviewed and approved by the AAVSB RACE program for ____ 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:

- Identify the steps that led to the concept of biological osteosynthesis and correlate the use of ORIF and MIO techniques to clinical outcomes.
- Recognize the benefits, limitations and potential risks associated the use of intra-operative imaging.
- Discuss the rationale for implant selection for the treatment of non-articular long bone fractures.
- Select appropriate cases for MIO techniques and appreciate relative contraindications to its use.
- Compare the type and incidence of complications associated with MIO and ORIF and describe strategies used to limit the incidence of complications with MIO.

Faculty



Perry, Karen - Chairperson

BVMS, CertSAS, DECVS, MSc, FHEA, MRCVS
Pat Carrigan Professor of Feline Medicine
Professor in Small Animal Orthopedics
Veterinary Medical Center
Michigan State University
East Lansing, Michigan

Karen Perry graduated from The Royal (Dick) School of Veterinary Studies, Edinburgh in 2005. After a short period in mixed practice and an internship in small animal orthopedics Dr. Perry returned to the R(D)SVS to complete a residency in small animal surgery from 2007 to 2010. Following achievement of ECVS status in 2011, Dr. Perry joined the Royal Veterinary College (RVC), London as a lecturer in small animal orthopedics. During her tenure at the RVC, Dr. Perry completed a postgraduate certificate in veterinary education and became a Fellow of the Higher Education Academy. After four years at the RVC Dr. Perry moved to Michigan State University where she is currently a Tenured Professor in Small Animal Orthopedics. In 2022, Dr. Perry was also named the Pat Carrigan Professor of Feline Medicine. Dr. Perry's passion for veterinary education led her to pursue further qualifications in this ever-expanding field. In 2019, whilst at MSU, Dr. Perry completed her Masters of Science in Veterinary Education, the thesis of which focused on the importance of feedback during veterinary residency programs. Due to her knowledge in education, Dr. Perry was elected to serve on the AOVET NA education committee. Dr. Perry has published widely in the veterinary literature with her main research interests being feline orthopedics, traumatology and the correction of limb deformities associated with patellar luxation. Dr. Perry, an International AO Faculty, created the first AO Master Course in Feline Orthopedics and has presented her work throughout the world including in Colombia, Brazil, Mexico, Russia, Italy, Spain, Poland and the UK.



Guiot, Laurent - Lecturer

DVM, DACVS, DECVS
Orthopedic Surgeon
ACCESS Bone & Joint Center
ACCESS Specialty Animal Hospital - Los Angeles
Los Angeles, California

Dr. Laurent Guiot is a world-class orthopedic surgeon with a passion for excellence. He obtained his degree in veterinary medicine from the University of Liege (Belgium) in 2004 and completed a general internship in small animal medicine and surgery at the same institution. Laurent then worked for one year in Paris where he was in charge of the general surgery program. He rejoined academia in 2006 as an international surgical fellow at Michigan State University where he also completed a three-year residency program with a strong emphasis in orthopedic surgery and focus in minimally invasive osteosynthesis under Dr. Loic Dejardin's mentorship. He became boarded by the American and European Colleges of Veterinary Surgeons in 2011. Following his residency, Laurent became an assistant professor of orthopedic surgery in the Department of Small Animal Clinical Sciences and an attending orthopedic surgeon at the Veterinary Teaching Hospital at Michigan State University. He was then recruited to lead the creation of a new orthopedic surgery facility for the Ohio State University in Dublin, Ohio. In 2016, he created the Bone & Joint Center at ACCESS in Los Angeles with Dr. Reunan Guillou. This center is establishing itself as one of the prime location for advanced orthopedics and includes a comprehensive total joint replacement center, a strong minimally invasive orthopedic surgery program, and a tertiary referral service for revision cases. Dr. Guiot's major interest is orthopedic trauma and minimally invasive orthopedic surgery. He routinely presents his work internationally and is an active member of major national and international orthopedic programs including the Veterinary Orthopedic Society, the AO, and the Orthopedic Research Society. Laurent is committed to the improvement of patient care through the development of surgical techniques, instrumentation, and implants used for the treatment of orthopedic patients.



Hudson, Caleb - Lecturer

DVM, MS, DACVS
ACVS Founding Fellow, Minimally Invasive Surgery (SA Orthopedics)
ACVS Founding Fellow, Joint Replacement Surgery
Omega Veterinary Group
San Mateo, California

Caleb Hudson DVM, MS, DACVS-SA is a veterinary surgeon in San Mateo, CA. He is a native of Louisiana and attended Veterinary school at the University of Missouri. After receiving his Doctor of Veterinary Medicine degree in 2007, he moved to Gainesville, Florida to complete a rotating internship in small animal medicine and surgery at the University of Florida. Dr. Hudson stayed at the University of Florida to complete a small animal surgery residency and a masters program. After completing his residency, Dr. Hudson spent a year as faculty at the University of Florida. In 2013, he moved to Houston, TX and spent the next 12 years working at Gulf Coast Veterinary Specialists and Nexus Veterinary Specialists. In 2021 Dr. Hudson was awarded Founding Fellow status in Minimally Invasive Surgery (Small Animal Orthopedics) and in 2023 he was awarded Founding Fellow status in Joint Replacement Surgery, both by the American College of Veterinary Surgeons. In 2025, Dr. Hudson joined Omega Veterinary Group in San Mateo, CA where he is currently employed as an orthopedic surgeon.

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.