



American College of  
Veterinary Sports Medicine  
and Rehabilitation®

# SYMPOSIUM

**April 11 – 13, 2024**

**Naples, Florida**

*The 2024 Symposium will be held on the  
Arthrex Campus*





American College of  
Veterinary Sports Medicine  
and Rehabilitation®

# ACVSMR SYMPOSIUM

April 11 - 13, 2024 | Naples, FL

## THURSDAY PRE-SYMPOSIUM PROGRAM

Sponsored by: Arthrex Vet Systems

These pre-symposium labs are not included in the symposium fee.  
Additional information, including lab registration, can be found at the links below.

### ACVSMR Canine Wet Lab: Nanoneedle Scope and Biologic Applications

Thursday, April 11, 2024  
7:30 am – 4:00 pm  
Arthrex Corporate Headquarters  
1370 Creekside Blvd | Naples, FL

#### REGISTRATION INFORMATION

- The course fee for veterinarians is \$800 for the full day didactic session and wet lab.
- Please view the [Hotel & Travel](#) page to see what is included in the registration fee.
- All health care professionals must register and pay a course fee. Symposium registration is also required.
- Arthrex is hosting and presenting the labs. Registration for the lab is separate from Symposium registration and the included hotel reservation with the lab is separate from the Symposium hotel reservation.
- Questions about labs should be directed to [Anna Kemp](#) or [Adriana Sanchez Herrera](#) at Arthrex.

[Access Canine Lab  
Details and Registration](#)

### ACVSMR Equine Lameness: Diagnostic Arthroscopy and Gait Analysis

Thursday, April 11, 2024  
7:30 am – 5:15 pm  
Arthrex Corporate Headquarters  
1370 Creekside Blvd | Naples, FL

#### REGISTRATION INFORMATION

- The course fee for veterinarians is \$400 for the morning session, \$400 for the afternoon session, and \$800 for the full day.
- Please view the [Hotel & Travel](#) page to see what is included in the registration fee.
- All health care professionals must register and pay a course fee. Symposium registration is also required.
- The morning session is only open to Diplomates and residents of ACVSMR, ECVSMR, ACVS, and ECVS.
- Arthrex is hosting and presenting the labs. Registration for the lab is separate from Symposium registration and the included hotel reservation with the lab is separate from the Symposium hotel reservation.
- Questions about labs should be directed to [Caitlin Johnson](#) or [Kaitlyn Fiene](#) at Arthrex.

[Access Equine Lab  
Details and Registration](#)

# ACVSMR SYMPOSIUM PROGRAM

April 11 - 13, 2024 | Naples, FL | Arthrex



## THURSDAY, APRIL 11 | PRE-SYMPOSIUM

|                      |   |
|----------------------|---|
|                      | <b>Pre-Symposium Labs</b><br><i>See Previous Page for Details</i>   |
| 6:00 pm –<br>8:00 pm | <b>Welcome Reception</b><br>Get to know new colleagues, catch up with old friends, and network with exhibitors during an evening of networking before the program begins on Friday. |

## FRIDAY, APRIL 12 | DAY 1

|                        |   |   |
|------------------------|---|---|
| 8:00 am –<br>8:15 am   | <b>Introduction/Welcome</b><br>Nicholas R. Cabano, DVM, MS, DACVS (SA), DACVSMR<br>ACVSMR President   |   |
| 8:15 am –<br>9:15 am   | <b>Veterinary Sports Medicine and Rehabilitation – Where are We?</b><br>Denis Marcellin-Little, DEDV, DACVS, DECVS, DACVSMR                                     |   |
| 9:15 am –<br>9:30 am   | <b>Coffee Break with Exhibitors</b>   |   |
|                        | <b>CANINE SESSION</b>   | <b>EQUINE SESSION</b>   |
| 9:30 am –<br>10:00 am  | <b>Musculoskeletal Imaging for the Diagnosis and Management of Elbow Disease</b><br>Kelly Mann, DVM, DACVR  | <b>Key Aspects of Respiratory Physiology and Relevance to Poor Performance</b><br>Emmanuelle van Erck-Westergren, DVM, PhD, ECEIM, ECVSMR |
| 10:00 am –<br>10:30 am | <b>Musculoskeletal Imaging for the Diagnosis and Management of Shoulder Disease</b><br>Kelly Mann, DVM, DACVR   | <b>New Concepts in the Diagnosis and Management of Respiratory Disease</b><br>Emmanuelle van Erck-Westergren, DVM, PhD, ECEIM, ECVSMR     |
| 10:30 am –<br>11:00 am | <b>Coffee Break with Exhibitors</b>   |   |
| 11:00 am –<br>11:30 am | <b>Objective Outcome Measures for the Diagnosis and Management of Dogs with Thoracic Limb Lameness</b><br>Barbara Bockstahler, DVM, DACVSMR, DECVSMR, FTA, CCRP | <b>Exercise Testing for Poor Performance</b><br>Tim Worden, PhD   |
| 11:30 am –<br>12:00 pm | <b>Surgical and Postoperative Management for Thoracic limb Injuries in Dogs</b><br>Lee Breshears, DVM, PhD, MBA, DACVS, DACVSMR                                 | <b>Customizing Training to Improve Performance: Lessons Learned from Human Athletics</b><br>Tim Worden, PhD                               |
| 12:00 pm –<br>1:30 pm  | <b>Lunch and ACVSMR Business Meeting</b>  |   |



# ACVSMR SYMPOSIUM

|                      | CANINE SESSION   | EQUINE SESSION  |
|----------------------|--|---|
| 1:30 pm –<br>2:00 pm | <b>Diagnosing and Treating Carpal and Digital Injuries</b><br>Nina R. Kieves, DVM, DACVS-SA, DACVSMR   | <b>Quick on their Feet: Latest Research and One Health Approaches to Equine Endocrine Disorders</b><br>Jane M Manfredi, DVM, PhD, DACVS-LA, DACVSMR |
| 2:00 pm –<br>2:30 pm | <b>Clinical Update on Carpal and Digit Orthoses</b><br>Patrice M. Mich, DVM, DACVSMR, DACVAA, DABVP, CCRT  | <b>Management of Endocrine Disorders in the Equine Athlete</b><br>Amy Polkes DVM, DACVIM  |
| 2:30 pm –<br>3:00 pm | <b>Panel Discussion: Special Considerations for Rehab and Reconditioning post Carpal/Digit Trauma</b><br>N. Kieves, P. Mich  | <b>Microbiome and Chronic Inflammation</b><br>Melinda R Story, DVM, PhD, DACVS, DACVSMR   |
| 3:00 pm –<br>3:30 pm | <b>Coffee Break with Exhibitors</b>  |   |
| 3:30 pm –<br>4:00 pm | <b>Canine Abstracts</b>  | <b>Nutrition for Peak Performance and Recovery</b><br>Matthew G. Durham, DVM, DACVSMR   |
| 4:00 pm –<br>4:30 pm |  | <b>Panel Discussion: Poor Performance</b><br>E. van Erck-Westergren, T. Worden, A. Polkes, M. Story   |
| 4:30 pm –<br>5:00 pm | <b>Panel Discussion: Reconditioning Strategies for Re-entry into Sport/Work Post Thoracic Limb Trauma/Disease</b><br>C. Frye, A. Henderson, L. Breshears, B. Bockstahler | <b>Equine Abstracts</b>   |
| 5:00 pm –<br>5:30 pm |  |   |
| 5:30 pm –<br>6:00 pm |  |   |
| 6:00 pm –<br>6:10 pm | <b>Coffee Break with Exhibitors</b>  |   |
| 6:10 pm –<br>6:30 pm | <b>State of the Industry</b>   |   |
| 6:35 pm –<br>7:00 pm | <b>Resident and Program Directors' Meeting</b>   |   |
| 7:00 pm –<br>8:30 pm | <b>Poster Session and Reception</b>  |   |

## SATURDAY, APRIL 13 | DAY 2

|                      |  |
|----------------------|--|
| 7:30 am –<br>9:00 am | <p style="text-align: center;"><b>RESIDENT ABSTRACTS</b></p> <ul style="list-style-type: none"> <li>Effect of Cannabidiol Administration in Dogs With Mobility Disorders   B. Talsma</li> <li>Thoracic Spondylosis Deformans in Search and Rescue Dogs   G. Powers</li> <li>Inter-Rater Agreement and Criterion for Geriatric Functional Scoring and Up and Go Test   K. McMullin</li> <li>Variability of Assessing Body and Muscle Condition Scores in Explosive Detection Dogs   K. Christie</li> <li>Predictors of Return to Work in Western Performance Horses with Stifle Chondromalacia   A. Esselman</li> <li>Cryotherapy on Intra-Articular Temperatures of the Equine Metacarpophalangeal Joint   S. Tufts</li> </ul> |
| 9:00 am –<br>9:30 am | <b>Coffee Break with Exhibitors</b>  |

|                     | CANINE SESSION  | EQUINE SESSION  |
|---------------------|---|---|
| 9:30 am – 10:00 am  | <b>LS Disease in Canine Athletes: Non-Surgical Management Options</b><br>Cynthia Otto DVM, PhD, DACVECC, DACVSMR  | <b>Key Objective Measurements and Outcomes for Rehabilitation Success: Testing &amp; Decision Making</b><br>Melissa King, DVM, PhD, DACVSMR   |
| 10:00 am - 10:30 am | <b>LS Disease in Canine Athletes: Surgical Management and Post-Operative Care</b><br>Lee Breshears, DVM, PhD, MBA, DACVS, DACVSMR   | <b>Novel Modalities for the Treatment and Rehabilitation of Soft Tissue Injuries: One Health Approach</b><br>Sherry Johnson DVM, PhD, DACVSMR |
| 10:30 am – 11:00 am | <b>LS Disease in Military and Law Enforcement Dogs: Special Considerations and Long-Term Follow-Up</b><br>Andrea Henderson, DVM, DACVSMR  | <b>Rehabilitation and Conditioning Strategies for Topline Dysfunction and Core Stability</b><br>Tena Ursini, DVM, PhD, DACVSMR                |
| 11:00 am - 11:15 am | <b>Coffee Break with Exhibitors</b>   |   |
| 11:15 am – 12:15 pm | <b>Redesigning Stem Cells with Synthetic Gene Circuits for Regenerative Medicine: It's About Time!</b><br>Farshid Guilak, PhD   |   |
| 12:15 pm – 1:30 pm  | <b>Lunch with Optional Canine/Equine Lunch Session</b><br>Hooves, Hounds, and Headlines: Elevating Your Sports Medicine and Rehabilitation Veterinary Practice Through Strategic Marketing and Public Relations<br>Rob van Wessum, DVM, MS, DACVSMR |   |
| 1:30 pm – 2:00 pm   | <b>Updates on Law Enforcement/Working Dogs</b><br>LTC Desireé Broach, DVM, MS, DACVB  | <b>Equine Abstracts</b>   |
| 2:00 pm – 2:30 pm   | <b>Heat Management in Working Dogs</b><br>Cynthia Otto DVM, PhD, DACVECC, DACVSMR   |   |
| 2:30 pm – 3:00 pm   | <b>Canine Abstracts</b>   | <b>Pathophysiology of and New Insights into Subchondral Bone Disease</b><br>Chris Kawcak DVM, PhD, DACVS, DACVSMR                             |
| 3:00 pm – 3:30 pm   |   | <b>Fetlock Lameness Across Disciplines</b><br>Chris Kawcak DVM, PhD, DACVS, DACVSMR   |
| 3:30 pm – 4:00 pm   | <b>An Evidence-Based Review of Photobiomodulation for Physical Rehabilitation</b><br>Kristin Kirkby Shaw, DVM, PhD, DACVS, DACVSMR  | <b>Imaging of the Sport Horse Fetlock: Focus on the Bone</b><br>Sarah J. Gold DVM, DACVSMR  |
| 4:00 pm – 4:30 pm   | <b>Evidence-Based Review of Extracorporeal Shock-wave Therapy (ESWT)</b><br>Andrea Henderson, DVM, DACVSMR  | <b>Recent Advances and Research on the Rehabilitation of Subchondral Bone Injuries</b><br>Sherry Johnson DVM, PhD, DACVSMR                    |
| 4:30 pm – 5:00 pm   | <b>Break and Abstract Awards</b>  |   |
| 5:00 pm – 5:30 pm   | <b>Panel Discussion: Orthobiologics in Canine and Equine Medicine</b><br>C. Frye, S. Franklin, C. Kawcak, L. Schnabel   |   |
| 5:30 pm – 6:00 pm   |   |   |

## FRIDAY CANINE ABSTRACTS

- Standing Jump Up and Jump Down Limb Symmetry in Healthy Dogs | W. Gordon-Evans
- Kinematic Descriptors of the Running Gait of Field Trial Labrador Retrievers Compared to Racing Greyhound | R. Gillette
- Wearable Activity Monitor Detection of Rhythmicity in Canine Agility Weaving Performance | A. Pechette Markley
- A Combined Submaximal and Maximal Exercise Fitness Test to Assess Conditioning in Beagles | J. Manfredi

## FRIDAY EQUINE ABSTRACTS

- The Effect of Pulsed Therapeutic Ultrasound on Equine Bone Marrow-Derived Mesenchymal Stem Cells | K. Ellis
- Blood Insulin, ACTH, and Adiponectin Concentrations in Horses Presenting for Lameness & Poor Performance | K. Brown
- Palpation and Ultrasound Assessment of Naturally Occurring Effusion of the Equine Stifle | L. Schnabel
- Cytokine Profiles of ACS and APS from Horses with PPID and Unaffected Controls | V. Moorman

## SATURDAY CANINE ABSTRACTS

- Detection of Meloxicam and Metabolites following an oral application to the sled Dog | K. Hesse
- Musculoskeletal Ultrasound Measurements for Evaluation of Iliopsoas in Dogs Free of Hind Limb Lameness | K. Bailey
- Medical Service Termination & Analysis of Neuromusculoskeletal Disease in Operational Military Working Dogs | B. Farr
- Optimization of the Spin Cycle for a Platelet Rich Plasma System for Use in Dogs | N. Kieves

## SATURDAY EQUINE ABSTRACTS

- Initial Investigation Into the Effects of Tissue Plasminogen Activator on Intrasynovial Tenocytes In Vitro | L. Schnabel
- 24-Hour Ambulatory Electrocardiograms: What to Expect in a Mixed Breed Equine Population | L. Maas
- Effects of cryotherapy and bandaging on core temperature of equine flexor Tendons | H. Ordonez
- Equine Platelets: Are they a source of Dickkopf-1? | B. Boger

## SCIENTIFIC POSTERS

1. Low-field MRI of Bone Edema-Like Lesions in the Middle Phalanx of Sport Horses with Distal Limb Lameness | S. March
2. The Effects of Endurance Exercise on Intestinal Permeability in Horses | N. Rodriguez
3. Alterations in Equine Middle Phalanx Angle Following Alterations to the Palmar Angles – a Cadaveric Study | S. Colla
4. Evaluation of the Feasibility of a Cardiorespiratory Screening Protocol in the Thoroughbred Racehorse | J. Morgan
5. Intra-Individual Variation in Forces Applied During the Distal Forelimb Flexion Test | C. Fjordbakk
6. Comparable Results with 10 or 20 million Allogenic Mesenchymal Stromal Cells in Treating Synovitis in Horses | J. Koenig
7. Pooled Cord Blood Mesenchymal Stromal Cells Slow Progression of OA in the Equine Fetlock | R. Munevar Luque
8. The Role of Electrical Stimulation in Agility or Work Dogs After ANNPE | A. Martins
9. Evaluation of Joint Stress Tests for Lameness Localization in Dogs With & Without Musculoskeletal Disease | S. Anderson
10. Techniques and Complications Associated with Needle Arthroscopy in Dogs | P. Lotsikas
11. Capturing Kinematics on Competitive Trial Labradors in the Field | S. Shull
11. Evaluation of a Dog's Cardiac Effort during a Simulated Search | M. Lopedote

## ACCOMMODATIONS



### Innovation Hotel on the Arthrex Campus

[Hotel Website](#)

1290 Innovation Drive | Naples, Florida

[Book Online](#)

A limited number of rooms have been secured for Symposium participants at Innovation Hotel, on the Arthrex campus. Inspired by a culture of uncompromising quality, Innovation Hotel was specifically designed to foster momentum at the intersection of health care, hospitality and the Arthrex mission.

The guest rooms and meeting parlors are comfortable, well-appointed, and designed to offer a peaceful oasis where you can rest and recharge. Guests of the hotel will have access to a full hot breakfast each morning that is included with your guest room.

For reservations, visit the [reservation website](#)

or

Call the hotel's reservations line at 833.980.1249.

You must identify yourself as part of ACVSMR's 2024 Symposium to obtain the group rate. It is important that you indicate any special rooming needs or arrangements at the time of this call.

**Group Room Rate (rate does not include taxes)**  
**\$225.00 per night**

ACVSMR cannot guarantee room availability. The discounted group rate concludes at 5:00 pm Eastern on March 10. Rooms will be available at the discounted rate until that date, or until the block is filled, whichever comes first. Please be aware that the ACVSMR room block will probably fill well before the deadline. There are nearby hotels that may be able to accommodate Symposium participants.

Note that the Arthrex wet lab registration includes one night at Innovation Hotel. This reservation is separate from the hotel stay during the main Symposium and it's possible that the main block will sell out before the lab participant block.

## REGISTRATION FEES

| Registration Fees   |                       |                      |        |
|---|-----------------------|----------------------|--------|
|   | Before<br>March<br>10 | After<br>March<br>10 | Onsite |
| ACVSMR<br>and ECVSMR<br>Members                                       | \$525                 | \$625                | \$700  |
| Non-Members<br>and Other<br>Professionals                             | \$600                 | \$700                | \$800  |
| Residents/<br>Interns*  | \$250                 | \$300                | \$300  |
| Technicians*<br>(licensed vet<br>nurse or letter<br>from<br>employer) | \$250                 | \$300                | \$300  |
| Students*   | \$200                 | \$250                | \$250  |

\*Registrants must provide documentation

### Registration Includes:

- Admission to two days of Symposium
- Scientific proceedings (online)
- Certificate of attendance
- Coffee breaks and daily lunch
- Welcome reception on Thursday, April 11
- Poster session with Hors d'oeuvres on Friday, April 12

*Thursday labs are not included in the rates above. See below for links to register for labs.*

## REGISTRATION LINKS

**Access Online  
Symposium  
Registration**

**Access Canine Lab  
Details and Registration**

**Access Equine Lab  
Details and Registration**