

SATURDAY, MARCH 11, 2023

YELLOWSTONE CONFERENCE CENTER

Registration and Wine & Cheese Reception

6:00pm – 8:00pm

Room: Upper Atrium & Dunraven/Obsidian

SUNDAY, MARCH 12, 2023

EVENING SESSION

YELLOWSTONE CONFERENCE CENTER

Movora Lecture Hall - Missouri Ballroom

SESSION TITLE: Orthopedics I

MODERATOR: Wanda Gordon-Evans

4:00PM Welcome to VOS (W. Gordon-Evans)

4:15PM Novel AAV2-FGF18 Gene Therapy Promotes
Cartilage Anabolism (F. Luppino)

4:30PM 3-D Printed Surgical Instrumentation for Transection
of the Annular Ligament in Horses (A. Biedrzycki)

4:45PM BREAK

5:15PM Radiation Exposure to The Orthopedic Surgeon: A
Comparison of Two Mini C-Arm Fluoroscopy Models (T.
Vernier)

5:30PM Prevalence of Work-Related Musculoskeletal Symptoms in Veterinary Surgeons – A Cross Sectional Survey (S. Kim)

5:45PM Clinical Application of Bone Fasteners as an Alternative to Traditional Buttress Screws in Orthopedic Surgery (D. Mertens)

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6:00pm - 7:00pm Jacques Jenny Lecture
“Building Resilience and Grit in Health Care Professionals”

Speaker: Samir Mehta, MD

Sponsored by: Arthrex

Room: Movora Lecture Hall – Missouri Ballroom

7:00pm - 9:00pm Exhibitors’ Showcase

Sponsored by:



MONDAY, MARCH 13, 2023
MORNING SESSION
YELLOWSTONE CONFERENCE CENTER

6:45am - 7:00am VOS Past Presidents' Breakfast
Exhibit Hall

Movora Lecture Hall- Missouri Ballroom

SESSION TITLE: Stifle I

MODERATOR: Caleb Hudson

7:00AM Mechanoactive Delivery of Immunosuppressive Therapies to Restore Synovial and Meniscus Cell Function (E. Lemmon)

7:15AM Biomechanical Comparison of Two Techniques for Management of Kirschner Wires Following Insertion in a Canine Tibial Tuberosity Osteotomy Fixation Model (Y. Chang)

7:30AM Biomechanical Comparison of Spacer Pin to Two Established Methods of Stabilization of Tibial Tuberosity Transposition in Dogs (A. Sullivan)

7:45AM BREAK

8:15AM How Valid Are Current Feline Limb Press Models? (J. Miles)

8:30AM Center of Rotation of Angulation-Based Leveling Osteotomy Fails to Restore Feline Stifle Stability in an Ex Vivo Cruciate Insufficiency Model (P. Mazdarani)

8:45AM A Comparison of Short-term Osteoarthritis Progression and Long-term Clinical Outcome in Relation to the Extend of Meniscal Damage and Subsequent Removal in Dogs with Cranial Cruciate Ligament Rupture (J. Evers)

SPONSORED BY



Lamar/Gibbon Room - Level 2

SESSION TITLE: Equine I

MODERATOR: Adam Biedrzycki

7:00AM Absorbable Antibiotic Beads to Treat Severe Wounds, Draining Tracts, and Sepsis in 37 Horses (A. Stewart)

7:15AM Autologous Micro-Fragmented Adipose Tissue Augmented by Platelet-Rich Plasma in Non-Responsive Distal Interphalangeal Joint Osteoarthritis in Horses: A Case Series of Eight Horses (G. Maleas)

7:30AM Does Standing Magnetic Resonance Imaging Assist in the Assessment of Equine Superficial Digital Flexor Tendinopathy? 10 cases (A. Bathe)

7:45AM BREAK

8:15AM Comparison of Outcomes of Surgical versus Medical Treatment of Stifle Lameness in a Sports Horse Population: 119 Cases (A. Bathe)

8:30AM Thoroughbred Racehorse Age and Athletic Training History Influence Superficial Digital Flexor Tendon Structure-Function Adaptation (S. Durgam)

SPONSORED BY



MONDAY, MARCH 13, 2023

EVENING SESSION

Movora Lecture Hall - Missouri Ballroom

SESSION TITLE: Stifle II

MODERATOR: Sun Young Kim

4:00PM Investigation of Intra-Articular Temperatures during Radiofrequency Ablation of the Canine Meniscus using a Cadaver Model (B. Salmelin)

4:15PM Effect of Plate Inclination and Osteotomy Positioning on Rock-back Phenomenon following TPLO in Dogs (E. Mclean)

4:30PM Injectable Liposome Bupivacaine and Surgical Site Infection of Tibial Plateau leveling Osteotomy (K. Shigihara)

4:45PM BREAK

5:15PM Evaluation of a 3-D Printed Canine Pelvic Limb Model for Instruction of Cranial Drawer and Tibial Thrust Testing in Veterinary Students (C. Takeshita)

5:30PM Past President Talk (G. Flo)

5:45PM Invited Talk: Lateral Suture Stabilization (G. Flo)

SPONSORED BY



6:00pm - 7:00pm Jacques Jenny Lecture
"Osteomyelitis– How Far We Haven't Come"
Speaker: Samir Mehta, MD
Sponsored by: Arthrex
Room: Movora Lecture Hall - Missouri Ballroom

TUESDAY, MARCH 14, 2023
MORNING SESSION
YELLOWSTONE CONFERENCE CENTER

Movora Lecture Hall- Missouri Ballroom

SESSION TITLE: Trauma I

MODERATOR: Jason Bleedorn

7:00AM Comparison of Bending Stiffness Between String of Pearls (SOP™) Plate-bone Constructs with and without Bending Tees in a Fracture Gap Model (P. Lu)

7:15AM Open Reduction and Internal Fixation of 52 Small Animal Fractures Treated with the Ortholine™ Fracture System (E. Rehnblom)

7:30AM Effect of Screw Insertion Angle and Speed on the Incidence of Transcortical Fracture Development in a Canine Tibial Diaphyseal Model (P. Sadowitz)

7:45AM Arthrex SOTI: Technological Advances in the Management of Long Bone Fractures in Veterinary Medicine (D. Duffy)

8:00AM BREAK

8:30AM Use of the FESSA (Fixateur Externe du Service de Santé des Armées) for the Treatment of Long Bone Fracture in Dogs and Cats (B. Vedrine)

8:45AM Zoetis SOTI: Rapidly Progressing Osteoarthritis in Dogs and Cats (R. Palmer)

SPONSORED BY



Lamar/Gibbon Room - Level 2

SESSION TITLE: *Equine II*

MODERATOR: *Sushmitha Durgam*

7:00AM Computed Tomographic Diagnosis of the Pelvic and Lumbar Area in a Series of Equine Patients (11 cases) (B. Schulze-Gronover)

7:15AM Safety and Feasibility of Intraarticular Ultrafiltration Probes for Serial Synovial Fluid Collection from Equine Metacarpophalangeal Joints: A Preliminary Study (A. Carlson)

7:30AM Evaluating the Effect of Jumping Phase, Leading Limb, and Arena Surface Type on Forelimb Distal Joint Kinematics (C. Rohlf)

7:45AM Surgical Treatment of Olecranon Fracture in the Standing Sedated Horse – Five Cases (B. Bladon)

8:00AM BREAK

8:30AM Prevalence of Osteochondral Fragments from the Medial Malleolus in Standardbred Horses (M. Martins Santos)

8:45AM 3-D Printed 3.5mm LCP Titanium Plate for Accessory Carpal Bone Fracture Repair in Horses (A. Campos Schweitzer)

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TUESDAY, MARCH 14, 2023
EVENING SESSION

Movora Lecture Hall - Missouri Ballroom

SESSION TITLE: Trauma II

MODERATOR: Selena Tinga

4:00PM Complications of Surgical Fixation of Traumatic Radius and Ulna Fractures in Sighthounds (C. Gillis)

4:15PM Antebrachial Distraction for Radioulnar Incongruency using Minimal ESF (J. Bleedorn)

4:30PM Comparison of Complications and Outcomes Associated with External Coaptation Methods Following Plate Fixation of Radial and Ulnar Fractures in 83 Toy-Breed Dogs (K. Kim)

4:45PM BREAK

5:15PM Comparison of Cranial versus Medial Minimally Invasive Plate Osteosynthesis Applications for the Stabilization of Simulated Antebrachial Fractures (X. Lederer)

5:30PM Type Ia External Skeletal Fixation with Caudal External Coaptation for Radius and Ulna Fractures in Small Breed Dogs (E. Fox)

5:45PM Past President Talk (D. Lewis)

SPONSORED BY



6:00pm - 7:00pm Jacques Jenny Lecture
"Working in the Developing World – Surgery in Austere Environments"

Speaker: Samir Mehta, MD

Sponsored by: Arthrex

Room: Movora Lecture Hall - Missouri Ballroom

**WEDNESDAY, MARCH 15, 2023 –
MORNING SESSION
YELLOWSTONE CONFERENCE CENTER**

Movora Lecture Hall - Missouri Ballroom
SESSION TITLE: *Orthopedics II*
MODERATOR: *Kristin Kirkby-Shaw*

7:00AM Partners in Veterinary Therapeutics SOTI:
Diagnostics, Therapeutics, and Education for Your Busy
Orthopedics Practice (J. Van Dyke)

7:15AM A Pilot Study Evaluating the Kinetics of Dogs During
Work (N. Kieves)

7:30AM Evaluation of Variability in Performance By Dogs
Completing Dog Walk Obstacles in Agility Competition (J.
DiMichele)

7:45AM Past President Talk (R. Evans)

8:00AM BREAK

8:30AM Percutaneous Cementoplasty as a Palliative
Treatment for Dogs with Osteosarcoma Using a New Self-
Setting Bone Substitute (J. Payne)

8:45AM Movora SOTI: Delivering What's Next - Speed,
Efficiency and Customization - The Latest in Additive
Manufacturing (S. Minutillo)

SPONSORED BY
 **Movora**

**10:30am - 12:30pm Frank Rapp Memorial Ski and
Snowboard Race**

Sponsored By: Movora **Location:** Ambush Trail

12:00pm - 1:30pm Mountain Picnic

Location: Talus Room, Summit Hotel

WEDNESDAY, MARCH 15, 2023

EVENING SESSION

Movora Lecture Hall - Missouri Ballroom

SESSION TITLE: *Student/Intern Award Session/ Joint
Replacement*

MODERATOR: *Mike Karlin*

4:00PM The Effect of Intra-Articular Morphine on the Antimicrobial Efficacy of Intra-Articular Ceftiofur (M. Gallagher)

4:15PM Comparison of Standing Computed Tomography and Positron Emission Tomography to Evaluate Subchondral Bone Injury of the Metacarpo-/Metatarsophalangeal Joint in Thoroughbred Racehorses (S. Ciamillo)

4:30PM Past President Talk (J. García-López)

4:45PM BREAK

5:00PM Short-, Mid-, and Long-Term Outcomes of the BANC Partial Elbow Arthroplasty (C. Follette)

5:15PM Long-Term Outcome of Total Hip Replacement Luxation Addressed without Modification of Implant Size or Position (N. Barthelemy)

5:30PM Breakage of Cementless Press-Fit Femoral Stems for Total Hip Arthroplasty: 7 Dogs (J. Carvajal)

5:45PM Complications and Outcomes of Total Hip Arthroplasty in Dogs with Luxoid Hip Dysplasia: 16 Cases (2010 – 2022) (C. Horwood)

SPONSORED BY:



6:00pm - 7:00pm Jacques Jenny Lecture
“Dual Construct Fixation – A Page Out of Animal Surgery”

Speaker: Samir Mehta, MD

Sponsored by: Arthrex

Room: Movora Lecture Hall - Missouri Ballroom

7:00pm - 10:30pm Poster Session / Foundation Night

featuring Silent Auction & Entertainment

Sponsored by: Partners in Veterinary Therapeutics

Room: Upper Atrium, Missouri Ballroom

THURSDAY, MARCH 16, 2023
MORNING SESSION
YELLOWSTONE CONFERENCE CENTER

Movora Lecture Hall – Missouri Ballroom

SESSION TITLE: *Mark Bloomberg Resident Research Awards
Session*

MODERATOR: *Stanley Kim*

7:00AM Measurement of Intra-Articular Pressures During Stifle Arthroscopy Using a Cadaver Model (B. Salmelin)

7:15AM Computed Tomography and Fluoroscopy versus Radiographic Guidance for Internal Fixation of Central Tarsal Bone Fractures in Non-Racing Horses (L. Smanik)

7:30AM An Ex vivo Comparison of Stainless-steel Cables to a Novel Iso-elastic Non-metallic Polymer Cerclage Cable in an Equine Metacarpophalangeal Joint Arthrodesis Model (L. Kadic)

7:45AM The Shelf Life of Antibiotic Impregnated Calcium Sulfate Beads (E. Hartman)

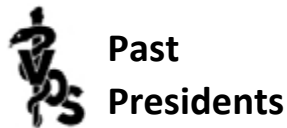
8:00AM BREAK

8:30AM Efficacy of Virtual Surgical Planning and 3-D Printed, Patient-Specific Reduction Guides to Facilitate Alignment of Diaphyseal Tibial Fractures Stabilized via Minimally Invasive Plate Osteosynthesis in Dogs: A Prospective Clinical Study (L. Scheuerman)

8:45AM Effect of Mechanical Stimulation on Histology Scores and Extracellular Matrix Content of Anatomically Sized Synoviocyte-seeded Fibrin Hydrogels (M. Lu)

9:00AM Implant-less Correction of Fetlock Varus (S. Boorman)

***Mark Bloomberg Resident Research Awards Session
Endowed Award Sponsors***



**9:30am – 10:30am Future Surgical Scholars Session
Sponsored by AO North America**

“Translational Medicine and the Role of the Clinician”

Presenter: Kyla Ortved

Room: Movora Lecture Hall - Missouri Ballroom

THURSDAY, MARCH 16, 2023
EVENING EVENTS

4:00pm - 6:00pm VOS Membership Meeting
Room: Amphitheater

6:30pm - 7:30pm No Host Cocktail
Room: Missouri Ballroom

7:30pm - 11:00pm VOS Awards Banquet
Sponsored by: Zoetis
Room: Missouri Ballroom

FRIDAY, MARCH 17, 2023
MORNING SESSION
YELLOWSTONE CONFERENCE CENTER

Movora Lecture Hall - Missouri Ballroom

SESSION TITLE: Orthopedics III

MODERATOR: Sarah Malek

7:00AM Objective Analysis of Image Distortion in Traditional versus Needle Arthroscopy (I. Sroufe)

7:15AM Evaluation of Canine Shoulder Arthroscopy Portals for Anatomical and Safety Considerations (E. Kennedy)

7:30AM Evaluating the Benefit and Tolerability of an Intra-Articular Injection of a Collagen-Elastin Biomaterial into the Stifle Joint of Dogs with Suspected Cruciate Ligament Rupture (E. Kleeman)

7:45AM Evaluation of Two Double Syringe Platelet Rich Plasma Collection Methods on Plasma Cellular Concentrations (R. Jones)

8:00AM BREAK

8:30AM Assessment of Tibial Morphology Following Proximal Tibial Neutral Wedge Osteotomy for Treatment of Excessive Tibial Plateau Angle in 14 Dogs (A. Story)

8:45AM Biomechanical Comparison of 1 Pin versus 2 Pin Fixation in a Canine Tibial Tuberosity Avulsion Fracture Model (P. Welsh)

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**FRIDAY, MARCH 17, 2023
EVENING SESSION**

Movora Lecture Hall - Missouri Ballroom

SESSION TITLE: Orthopedics IV

MODERATOR: Whitney Phipps

4:00PM 3-D Printed PLGA Implants Lose Mechanical Properties Between 8 and 16 Weeks (A. Smith)

4:15PM Percutaneous, Trans-Articular, Hybrid External Fixation as a Treatment for Partial Calcaneal Tendon Disruption in Dogs Without Primary Tenorrhaphy (R. Boharski)

4:30PM Orthopedic Surgical Site Infection Outcomes in Patients Treated with Vancomycin-Impregnated Pluronic Gel (J. Smith)

4:45PM Surgical Treatment of Atlantoaxial Instability Using 3-D Printed Drill Guides, Pedicle Screw Placement, and a 3-D Printed Plate (K. Darrah)

5:00PM Can a Validated Visuospatial Test Differentiate Expert Veterinary Surgeons and Non-Surgeons? (R. Alvarez)

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