

VOS 2018 PROGRAM

Saturday, March 10th – Registration and Welcome Reception
Sponsored by VOS

Salon A

7:00-9:00 PM Reception and Wine and Cheese Reception

Program continues on next page

Sunday, March 11th – Evening Session
Orthopedics I
Sponsored by Sontec

Salon A

Moderator: A. Cross

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| 3:30 PM | President's Welcome and Foundation Message | |
| 3:45 | 3642: Clinical Application of the I-Loc Angle Stable Interlocking Nail in 100 Traumatic Fractures of the Humerus, Femur and Tibia | A. Fauron |
| 4:00 | 3636: Percutaneous Tibial Fracture Reduction Using CT Imaging, Computer Modeling and 3D Printed Constructs | J. Davies |
| 4:15 | 3616: Defining a Safe Entry Point for a Sacral Screw in Lateral Plating in Feline Iliac Fractures | P. Schmierer |
| 4:30 | 3675: Effect of Bidirectional Insertion of External Skeletal Fixation Pins on Axial Pullout Strength in Canine Cadaveric Bone | J. Park |
| 4:45-5:15 | Break | |
| 5:15 | SOTI: Citrate-Based Biomaterials and Their Applications in Regenerative Engineering <i>Sponsored by New Generation Devices</i> | R. Tran |
| 5:30 | 3535: Use of a Veterinary Cuttable Plate in a Plate-Rod Construct for Repair of Diaphyseal Femoral Fractures in the Cat: 25 Cases | B. Vedrine |
| 5:45 | 3648: Transarticular Fixation of a Failed Anatomic Repair Using an Imex ROM Hinge to Allow Early Return to Function | R. Elliott |
| 6:00-7:00 | Jacques Jenny Lecture - Radiographic Measurement of Skeletal Motion <i>Sponsored by DePuy Synthes</i> | S. Banks |
| 7:00-8:30 | Exhibitors Showcase <i>Sponsored by VOS</i> | |

Castle Peak Auditorium

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| 7:10-8:00 | Residents' Session <i>Sponsored by IMEX Veterinary, Inc</i> | N. Kieves S. Jones |
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Monday, March 12th – Morning Session
Orthopedics II
Sponsored by Aratana

Salon A

Moderator: J. Godwin

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| 7:00 | 3670: A Retrospective Evaluation of Femoral Stem Subsidence in Patients Undergoing Cementless Total Hip Replacement | M. Mitchell |
| 7:20 | 3628: Mechanical Analysis of Suture Attachment Methods in Toggle Suture Constructs | K. Kraska |
| 7:35 | 3669: Evaluation of Cementless Femoral Stem Subsidence on Mediolateral Projection Radiographs | M. Burneko |
| 7:50-8:15 | Break | |
| 8:15 | SOTI: Locoregional Blocks for Maxillofacial Surgery – Updates <i>Sponsored by Aratana</i> | H. Lobprise |
| 8:30 | 3625: Fatigue Fracture of Co-Cr-Mo Femoral Stems after Canine Cemented Total Hip Replacement | C. Silveira |
| 8:45 | 3562: Percutaneous Repair of a Ruptured Common Calcaneal Tendon in a Dog | M. Schroeder |

Alpine Springs

9:30-3:30 Lab - Arthrex

Monday, March 12th – Morning Session
Equine Orthopedics I
Sponsored by Geosurgical

Castle Peak Auditorium

Moderator: J. García-López

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| 7:00 | 3588: Morphovolumetric Analysis of the Equine Hoof | A. Kepler |
| 7:20 | 3668: Mechanical and Microstructural Properties of Navicular Bones with a Range of Navicular Degeneration | E. Collar |
| 7:35 | 3651: Correlation and Prognostic Value of Abnormalities on MRI and Navicular Bursoscopy in Horses with Foot Lameness | B. Bladon |
| 7:50-8:15 | Break | |
| 8:15 | 3534: Biomechanical Analysis of a Novel Cervical Stabilization Technique | A. Downey |
| 8:30 | Invited lecture – Principles of Fracture Repair | A. Ruggles |
| 9:00 | Discussion | |

Monday, March 12th – Evening Session
Sports Medicine and Rehabilitation
Sponsored by Arthrex

Salon A

Moderator: K. Lin

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| 3:45 | SOTI: Current Evidence for PRP Use in Dogs <i>Sponsored by Arthrex</i> | S. Franklin |
| 4:00 | 3599: Frequency of Normal Versus Support Trot in the Healthy German Shepherd Dog | M. Vitt |
| 4:15 | 3667: Heel Expansion and Deformation Vary with Horseshoe Nail Positions | V. Dahl |
| 4:30 | 3560: Retrospective Analysis of Prosthesis Use By Dogs with Partial Limbs | T. Wendland |
| 4:45 | 3627: Development of a Perceived Exertion Scale for Dogs Exercising on a Land Treadmill Using Selected Physiologic Parameters | K. Swanson |
| 5:00-5:15 | Break | |
| 5:15 | 3589: The Effect of Routine Hoof Trimming on Regional Hoof Kinetics | F. Hung |
| 5:30 | 3608: Evaluation of Ultrasound for Detection of Changes in Muscle Mass Recovery after Tibial Plateau Leveling Osteotomy in Dogs | I. Frank |
| 5:45 | 3531: Postoperative Rehabilitation Protocols Following Canine Cranial Cruciate Ligament Repair: A Survey of Veterinary Surgeons | J. Eiermann |
| 6:00-7:00 | Jacques Jenny Lecture - Stifles and Knees <i>Sponsored by Sound</i> | S. Banks |

Monday, March 12th – Evening Session
Equine Orthopedics II
Sponsored by VOS

Castle Peak Auditorium

Moderator: J. García-López

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| 4:00 PM | 3663: Post-Natal Development of the Functional Specialization of the Equine Superficial Digital Flexor Tendon | P. Clegg |
| 4:15 | 3626: A Preliminary Field Trial Evaluating the Efficacy of 4% Polyacrylamide Hydrogel in Horses with Osteoarthritis | S. McClure |
| 4:30 | 3613: Clinical and Histologic Evaluation of Polyacrylamide Gel in the Normal Equine Metacarpal/Metatarsal-Phalangeal Joints | S. McClure |
| 4:45 | 3665: Tenoscopic Treatment of Physeal “Spike” Remnants of the Caudal Radius in the Thoroughbred Racehorse | C. Schreiber |
| 5:00-5:15 | Break | |
| 5:15 – 6:00 | Invited Lecture- Condylar Fractures in the Equine Athlete | A. Ruggles |
| 6:00-7:00 | Jacques Jenny Lecture - Stifles and Knees <i>Sponsored by Sound</i> Salon A | S. Banks |

Tuesday, March 13th – Morning Session
Orthopedics III
Sponsored by Veterinary Transplant Systems

Salon A

Moderator: W. Gordon-Evans

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| 6:45 AM | Past Presidents' Breakfast benefitting the VOS Educational Foundation <i>Sponsored by VOS</i> | |
| 7:00 | 3640: The Effects of Carprofen and Phycos in Dogs with Naturally Occurring Clinical Elbow Osteoarthritis: A Randomized, Double-Blinded, Multicenter Pilot Study | S. Martinez |
| 7:20 | 3676: The Effectiveness of Marine Based Fatty Acid Compound (PCSO-524) Alone and Combined with Previcox in the Treatment of Canine Osteoarthritis | B. Beale |
| 7:35 | 3568: Randomized Pilot Trial of the Effects of an Egg-Shell Membrane-Based Supplement (Movoflex TM) on Mobility and Serum Biomarkers of Inflammation in Dogs with Osteoarthritis | C. Muller |
| 7:50-8:15 | Break | |
| 8:15 | 3580: Synovial Fluid Cytokine Concentrations Are Influenced By Disease Etiology | M. Conzemius |
| 8:30 | 3620: Computed Tomography Guided Lag Screw Placement for Treatment of Ununited Anconeal Process in 5 Dogs | K. Leonard |
| 8:45 | 3563: Average Tibial Plateau Angle of 3,922 Stifles Undergoing Surgical Stabilization for Cranial Cruciate Ligament Rupture | E. Fox |
| 9:00 | 3638: The Use of a Needle Arthroscopy for the Diagnosis of Shoulder and Elbow Related Lameness in Canine Patients | P. Chou |

Tuesday, March 13th – Morning Session
Equine Orthopedics III
Sponsored by VOS

Castle Peak Auditorium

Moderator: M. Stewart

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| 6:45 AM | Past Presidents' Breakfast benefitting the VOS Educational Foundation <i>Sponsored by VOS</i> | |
| 7:00 | 3646: Complication Rates Following Equine Elective Arthroscopy: Comparison of Inpatient vs Outpatient Surgery | M. Stewart |
| 7:20 | 3637: Spontaneous Osteonecrosis in a Thoroughbred Racehorse | C. Sandow |
| 7:35 | 3624: Traumatic Ossifying Fasciitis Presenting as a Large Flank Mass in a Standardbred Gelding | M. Stewart |
| 7:50-8:15 | Break | |
| 8:15-9:00 | Invited Lecture- Simple and Complicated Flexural Limb Deformities in Foals | J. Watkins |
| 9:00 | Discussion | |

Tuesday, March 13th – Evening Session
Small Animal Imaging Rounds
Sponsored by Epica

Salon A

Moderator: R. Pollard

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| 4:00-6:00 | Small Animal Imaging Rounds | R. Pollard S. Nemanic R. King |
| 4:45-5:15 | Break | |
| 6:00-7:00 | Jacques Jenny Lecture - Robots in Medicine and Imaging <i>Sponsored by AO Vet</i> | S. Banks |

Tuesday, March 13th – Evening Session
Equine Orthopedics IV
Sponsored by VOS

Castle Peak Auditorium

Moderator: M. Stewart

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| 4:00 | 3673: Clodronate Improves Lameness in Horses Independent of Anti Resorptive Effects in-Vivo | A. Watts |
| 4:15 | 3596: Combination Therapy is Superior to Conventional or Laser Therapy Alone for Equine Tendon and Ligament Injuries: A Comparison of 61 Clinical Cases | A. Bathe |
| 4:30 | 3657: Correlations Between Biomechanical and Acoustoelastographic Variables in the Equine DDFT | M. Berger |
| 4:45-5:15 | Break | |
| 5:15 | Invited lecture – Diagnosis and Treatment of Radius Fractures in Equine | J. Watkins |
| 6:00 | Jacques Jenny Lecture - Robots in Medicine and Imaging <i>Sponsored by AO Vet</i> Salon A | S. Banks |

Wednesday, March 14th – Morning Session
Complications and Corrections
Sponsored by Vet 3D

Salon A

Moderator: R. Guillou

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| 7:00 | Invited lecture: Complications and Corrections During Fracture Management in Foals and Equine Adults | A. Ruggles |
| 7:30 | Invited lecture: "Kneed" | A. Cross |
| 8:00 – 8:15 | Break | |
| 8:15 | Invited lecture: Orthopedic Site Infection in Equine | J. Watkins |
| 8:45 | Invited lecture: Decision Making in Revision Surgery | L. Guiot |

Wednesday, March 14th – Day

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| 10:30 | Ski Race <i>Sponsored by BioMedtrix</i> |
| 12:00 | Mountain Picnic <i>Sponsored by Everest</i> |

Wednesday, March 14th – Evening Session
Regenerative Medicine
Sponsored by Arthrex

Salon A

Moderator: N. Kieves

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| 4:00 | 3582: A Refined and Clinically More Relevant, Preclinical Osteochondral Defect Model in Rabbits | T. Schmid |
| 4:15 | 3611: The Effects of Autologous Mesenchymal Stem Cell Therapy on Elbow Osteoarthritis in Dogs: A Pilot Study | D. McCarthy |
| 4:30 | 3594: Clinical Efficacy of Platelet Rich Plasma for the Treatment of Elbow Osteoarthritis in Twenty Dogs | B. Carr |
| 4:45 | 3656: Surface Electromyography Repeatability of the Vastus Lateralis, Biceps Femoris and Gastrocnemius Muscles at a Trot in Normal Dogs: A Pilot Study | C. Jones |
| 5:00-5:15 | Break | |
| 5:15 | 3633: Canine Mesenchymal Stem Cell Mediated Bone Regeneration Is Enhanced in the Presence of Sub-Therapeutic Concentrations of rhBMP-2 in a Murine Critical-Sized Calvarial Defect | B. Saunders |
| 5:30 | 3614: Differential BMP Expression and Activities Impact the Osteogenic Capacities of Equine Bone Marrow and Adipose Stem Cells | M. Stewart |
| 5:45 | 3671: Double-Blinded, Placebo Controlled Study Evaluating the Safety and Efficacy of Intravenous Allogeneic Adipose Stromal Cell Therapy for Canine Osteoarthritis | K. Kiefer |
| 6:00 – 7:00 | Jacques Jenny Lecture - Class-sourcing your research <i>Sponsored by: Veterinary Orthopedic Implants</i> | S. Banks |
| 7:10-8:30 | Poster Session – Alpine Springs | |
| 8:30-9:30 | Foundation Night – Alpine Springs <i>Sponsored by Partners in Veterinary Therapeutics</i> | |
| 7:00-10:00 | Foundation Night Kid’s Party – Cathedral Peak <i>Sponsored by VOS</i> | |

Thursday, March 15th – Morning Session
Bloomberg Awards
*Sponsored by Boehringer-Ingelheim, New Generation Devices,
VOS Past Presidents, Orthomed, AO Vet, Securos and Arthrex*

Salon A

Moderator: R. Guillou

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| 7:00 | 3623: An Objective Assessment of the Effect of Desensitizing the Median Nerve on Lameness Originating from the Cubital Joint | L. McGlinchey |
| 7:20 | 3639: Evaluation of the Short-Term Effects of Intra-Articular Administration of Platelet-Rich Plasma in Horses with Experimentally Induced Synovitis | C. Sandow |
| 7:35 | 3615: Equine Mesenchymal Stem Cells Possess Antimicrobial Properties | L. Pezzanite |
| 7:50-8:15 | Break | |
| 8:15 | 3678: Intramedullary, Interlocking Nail Fixation Alone or in Combination with a Cranial Bone Plate to Repair Diaphyseal Femur Fractures in 16 Foals Weighing Less than 250kg (1993-2016) | K. Beste |
| 8:30 | 3587: Effect of Proximal Abducting Ulnar Osteotomy (PAUL) on Thoracic Limb Alignment in a Canine Ex Vivo Simulated Weight-Bearing Model | K. Corriveau |
| 8:45 | 3609: Biomechanical Comparison of Three Lumbosacral Stabilizing Implant Devices in Canine Cadavers | A. Simon |
| 9:00 | 3581: Development of a 3D Type I Collagen Assay to Evaluate Chondrogenesis of Canine Bone Marrow-Derived Mesenchymal Stem Cells | M. MacIver |

Thursday, March 15th – Evening

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| 4:00-5:30 | Business Meeting | Castle Peak Auditorium |
| 6:30-7:30 | No Host Cocktail | Salon C, D, E |
| 7:35 | Banquet – <i>Sponsored by VOS</i> Awards and Entertainment | Salon A, B |

Friday, March 16th – Morning Session
Orthopedics IV
Sponsored by Intrauma

Salon A

Moderator: C. Tano

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| 7:00 | 3547: Evidence-Based Protocol Changes to Reduce Implant-Associated Infection Rate after Tibial Plateau Leveling Osteotomy in Dogs | S. L. Stine |
| 7:20 | 3532: Stabilization with a Ventral Screw and Polymethylmethacrylate Construct As a Method of Surgical Fixation for Transverse Vertebral Body Fractures of C2 in Three Dogs | S. L. Stine |
| 7:35 | 3590: Infection Rate Following TPLO Procedure with and without a Course of Postoperative Antibiotics: A Retrospective Study of 308 Dogs | A. C. Clark |
| 7:50-8:15 | Break | |
| 8:15 | 3602: Biomechanical Comparison of Knotted and Knotless Stabilization Techniques of the Medial Collateral Ligament in Cats - a Cadaveric Study | S. C. Knell |
| 8:30 | 3564: Retrospective Evaluation of Intraarticular Proximal Jig Pin Placement with Tibial Plateau Leveling Osteotomy | J. V. Cavalcanti |
| 8:45 | 3605: Biomechanical Rationale and Rational Planning for TPLO | S. Tepic |

Friday, March 16th – Evening Session
Orthopedics V
Sponsored by Veterinary Instrumentation

Salon A

Moderator: J. Suber

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| 4:00 | 3548: Comparison of Three Crural Fascia Repair Techniques for Tibial Tuberosity Advancement Surgery | J. E. Giangarra |
| 4:15 | 3617: Biomechanical Comparison of ALPS, Fixin, LCP and DCP Plates in a Feline Iliac Fracture Model | P. Schmierer |
| 4:30 | 3607: Combined Fatigue and Wear Testing of Anchored Sutures | S. J. Bresina |
| 4:45 | 3584: Measuring Distance Traveled with an Activity Monitor in Normal Dogs Participating in a 5K Race | M. Conzemius |
| 5:00-5:15 | Break | |
| 5:15 | Invited lecture: Navicular Bursa: MRI vs. Bursoscopy | J. García-López |
| 5:45 | 3652: Assessment of Canine Cranial Radial Cortex Torsion Profile Using Computed Tomography | B. Abrams |