

# **VOS 2018 PROGRAM**

**Saturday, March 10<sup>th</sup> – 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 TBA***

**Salon A**

**Moderator: A. Cross**

3:45 PM	President's Welcome and Foundation Message	
4:00	3642: Clinical Application of the I-Loc Angle Stable Interlocking Nail in 100 Traumatic Fractures of the Humerus, Femur and Tibia	A. Fauron
4:15	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. Schiemer
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 Sponsored by DePuy Synthes	S. Banks
7:00-8:30	Exhibitors Showcase Sponsored by VOS	

**Castle Peak Auditorium**

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

**Salon A**

**Moderator: J. Godwin**

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 12<sup>th</sup> – Morning Session**  
**Equine Orthopedics I**  
*Sponsored by TBA*

**Castle Peak Auditorium**

**Moderator: J. García-López**

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 TBA*

**Salon A**

**Moderator: C. Tano**

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 TBA</i>	S. Banks

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

**Castle Peak Auditorium**

**Moderator: J. García-López**

4:00 PM	3552: Bovine Autologous Platelet Concentrate: Production, Hematologic Classification and in-Vitro Biologic Characterization	C. Constant
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 TBA</i> Salon A	S. Banks

**Tuesday, March 13<sup>th</sup> – Morning Session**  
**Orthopedics III**  
***Sponsored by TBA***

**Salon A**

**Moderator: W. Gordon-Evans**

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|-----------|--|--------------|
| 6:45 AM   | Past Presidents' Breakfast benefitting the VOS Educational Foundation<br><i>Sponsored by VOS</i>   |              |
| 7:00      | 3640: The Effects of Carprofen and Phycox 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 <sup>TM</sup> ) 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 13<sup>th</sup> – Morning Session**  
**Equine Orthopedics III**  
*Sponsored by TBA*

**Castle Peak Auditorium**

**Moderator: M. Stewart**

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 TBA*

**Salon A**

**Moderator: R. Pollard**

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 TBA</i>	S. Banks

**Tuesday, March 13th – Evening Session**  
**Equine Orthopedics IV**

**Castle Peak Auditorium**

**Moderator: M. Stewart**

4:15	3673: Clodronate Improves Lameness in Horses Independent of Anti Resorptive Effects in-Vivo	A. Watts
4:30	3663: Post-Natal Development of the Functional Specialization of the Equine Superficial Digital Flexor Tendon	P. Clegg
4:45	3657: Correlations Between Biomechanical and Acoustoelastographic Variables in the Equine DDFT	M. Berger
5:00-5:15	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 TBA</i> Salon A	S. Banks

**Wednesday, March 14th – Morning Session**  
**Complications and Corrections**  
*Sponsored by TBA*

**Salon A**

**Moderator: R. Guillou**

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**

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

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

**Salon A**

**Moderator: N. Kieves**

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: TBA</i>	S. Banks
7:10-11:00	Poster Session and Foundation Night Sponsored by Partners in Veterinary Therapeutics	
7:00-10:00	Foundation Night Kid's Party <i>Sponsored by VOS</i>	

**Thursday, March 15<sup>th</sup> – Morning Session**  
**Bloomberg Awards**  
*Sponsored by Merial, New Generation Devices,*  
*VOS Past Presidents, Orthomed, AO Vet, Securos and Arthrex*

**Salon A**

**Moderator: R. Guillou**

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 15<sup>th</sup> – Evening**

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 16<sup>th</sup> – Morning Session**  
**Orthopedics IV**  
***Sponsored by TBA***

**Salon A**

**Moderator: Katja Lin**

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 TBA***

**Salon A**

**Moderator: J. Suber**

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