VOS 2020 PROGRAM

Saturday, February 1st– Registration and Welcome Reception

Sponsored by VOS

Room: Continental Room

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

Sunday, February 2nd – Evening Session

Orthopedics I

Sponsored by Arthrex

Room: Continental Room
Moderator: Jan Van Dyke

12:45 PM	President's Welcome and Foundation Message	J. Van Dyke
1:00	4031: Ventral Femoral Head Ostectomy: Standard Versus Novel K-Wire Guided Technique Using a Pre-Measured Ostectomy Angle in Canine Cadavers	J. A. Sapora
1:15	4058: Computed Tomographic Evaluation of the Accuracy of Minimally Invasive Sacroiliac Screw Fixation Using Intraoperative Fluoroscopic Imaging in Five Cats	K.A. Johnson
1:30	4020: Evaluation of a Novel, Resorbable Interference Screw for CrCL Reconstruction	R. H. Palmer
1:45-2:15	Break	
2:15	SOTI: "Secondary Repairs After Tibial Osteotomy to Improve Stability"	S. Murphy
2:30	4043: Radiographic Determination of Canine Femoral Alignment in the Sagittal Plane: A Cadaveric Pilot Study	K. D. Hutcheson
2:45	4028: Histological Analysis and Evaluation of the Efficacy of Computed Tomography on Diagnosis of Legg-Calve-Perthes Disease in Toy Poodles: A Retrospective Study	A. Kravitz
3:00-4:00	Jacques Jenny Lecture Sponsored by	L. M. Galatz
4:00-6:30	Exhibitors Showcase Sponsored by	

Monday, February 3rd– Morning Session
Orthopedics II
Sponsored by Arthrex

Room: Continental Room
Moderator:

6:45 AM	Foundation Breakfast by VOS Past Presidents *Sponsored by VOS*	
7:00	4011: Evaluation of the Accuracy of a Novel Wedge Osteotomy Guide	K. M. Neal
7:15	3897: Ex-Vivo Evaluation of Arthroscopically-Assisted Shoulder Stabilization Using an Intra-Articular Aiming Device	P. Rocheleau
7:30	3961: Coxofemoral Luxation Repair Using a Novel Push Anchor System in 10 Dogs: Technique and Outcome	S. M. S. Kendig
7:45-8:15	Break	
8:15	4051: Description, Outcome and Complications Associated with Reinforced, Free-Form External Skeletal Fixation in 51 Cats	S. D. Yeh
8:30	4061: Application of a Tarsal Arthrodesis Plate As a Postoperative Immobilization Technique in Common Calcaneal Tendon Injury Repair in Dogs	C. Chen
8:45	4074: A Cranial Approach to the Elbow for Osteophyte Removal	S. K. Steuri
9:00	4042: Clinical Outcomes Associated with Centerline Canine Cementless Total Hip Arthroplasty in 19 Dogs	G. Zuendt
9:30-12:30	Laboratory: "The VetKISS Micro Locking Plate - Introduction and Dry Lab" *Sponsored by IMEX* **(Sawtooth)**	C. Hudson

Monday, February 3rd – Morning Session
Equine Orthopedics I
Sponsored by VOS

Room: Inn Board Room
Moderator:

6:45 AM	Foundation Breakfast by VOS Past Presidents *Sponsored by VOS*	
7:00	4057: How Does Race-Training Influence the Ultrastructural Characteristic of the Equine Proximal Phalangeal Sagittal Groove?	E. R. Singer
7:15	4044: Successful Screw Placement in Scapula Cyst-like Lesions in 6 Horses	H. T. Gudehus
7:30	4069: Surgical Treatment and Imaging of Metacarpal Exostosis-Suspensory Adhesions in Three Horses	A. P. Bathe
7:45-8:15	Break	
8:15	4066: Investigation into Lumbosacral Vertebral Anatomy and Physeal Closure in Quarter Horses	E. M. Collar
8:30	4070: Intra-Bursal Polyacrylamide Hydrogel for the Treatment of Non-Responsive Navicular Apparatus Pathology in Three Horses	A. P. Bathe
8:45	3943: Effects of Horseshoe Characteristics and Surface Composition on Shear Loads on the Equine Digit	T. B. Doherty

Monday, February 3rd– Evening Session
Sports Medicine and Rehabilitation
Sponsored by VOS

Room: Continental Room
Moderator:

4:00	4063: Surface Electromyography of the Biceps Brachii and Lateral Triceps Muscles in Dogs during Walking, Trotting, and Selected Therapeutic Exercises	K. E. A. Janas
4:15	3915: The Effects of Extracorporeal Shockwave on Liposomal Bupivacaine	S. W. Frederick
4:30	4015: Quantitative Radiographic Measurement of Stifle Effusion-Synovitis As a Predictor for Cruciate and Meniscal Disease in Dogs	D. W. Walmsley
4:45	Break	
5:00	SOTI: "Developing a Novel Bioactive Material Prior to Commercialization"	R. Tran
5:15	4021: Exosome Production in C2C12 Myoblasts Improves Proliferation and Myogenic Differentiation Following Exercise	N. P. Ehrhart
5:30	4035: Amplitude and Frequency Analysis of Pelvic Limb Muscle Activity during a Trot in Normal, Healthy Dogs Using Surface Electromyography	P. J. Welsh
5:45	4039: Evaluation of Gait Analysis Data Obtained Using a Cover Vs. No Cover on a Validated Pressure Sensitive Walkway System	K. R. Schaul
6:00-7:00	Jacques Jenny Lecture	L. M. Galatz

Tuesday, February 4th – Morning Session

Orthopedics III

In Honor of Cal Cadmus

Sponsored by VOS

Room: Continental Room
Moderator: Ross Palmer

7:00	3952: Effect of Bite Distance of an Epitendinous Suture from the Repair Site on the Tensile Strength of Flexor Tendon Constructs in a Canine Cadaveric Laceration Model	D. Duffy
7:15	4036: Use of a Transarticular Tibio-Calcaneal Locking Plate for Temporary Immobilization of the Talocrural Joint Following Surgical Repair of Achilles Tendon Rupture in 9 Dogs	A. B. Baroncelli
7:30	4009: Is Recheck Radiographic Examination Warranted Following TPLO?	J. N. Forbes
7:45-8:15	Break	
8:15	3999: Use of a Temporary Calcaneo-Tibial Screw to Stabilize the Talocrural Joint in Dogs	A. J. Worth
8:30	3935: Biomechanical Comparison of Three Methods of Stabilization of Tibial Tuberosity Fractures in Dogs: A Cadaveric Study	V. D. Verpaalen
8:45	3960: Does the Risk of Patella Fracture Increase with Decreasing Tibial Plateau Angle Following Tibial Plateau Leveling Osteotomy?	C. M. Geier
9:00	4075: Impact of Microwave Ablation Treatment on the Biomechanical Properties of the Distal Canine Radius: A Cadaveric Study	A. Kalamaras

Tuesday February 4th- Morning Session

Equine Orthopedics II

Sponsored by VOS

Room: Inn Board Room
Moderator:

7:00	4045: In Vitro Motion of the Proximal Sesamoid Bones Under Physiological Mid-Stance Loads	S. K. Shaffer
7:15	4037: Comparative In Vivo and in Vitro Osteogenic Activities of Foal and Adult Equine Periosteal Cells	M. Stewart
7:30	3950: Allo-Recognition of Mesenchymal Stem Cells Is Dependent on Major Histocompatibility Complex Haplotype	A. E. Watts
7:45-8:15	Break	
8:15	4062: Synovium from Arthritic Equine Joints Develops a Latent Osteogenic Phenotype	M. Stewart
8:30	4040: Contribution of Arena Surface Properties to Equine Forelimb Fetlock Motion While Jumping	C. M. Rohlf
8:45	Invited Lecture: “Long-term Experience Using the Cranial Approach to the Femorotibial joints in the Equine Athlete” (30 mins)	H. T. Gudehus

Tuesday, February 4th - Evening Session
Complications and Corrections
Sponsored by VOS

Room: Continental Room
Moderator: Caleb Hudson

4:00	Invited Lecture: Virtual Surgical Planning Using 3D Guides: Translation Across the Species	A. Biedrzycki
5:00-5:15	Break	
5:15	3942: Zurich Cementless Total Hip Arthroplasty As a Treatment Option for Capital Physeal Fractures in Dogs: Complications in 47 Cases	A. Alvarez-Sanchez
5:30	4068: Short-Term Postoperative Complications and Outcome after Surgical Stabilization of Medial and Lateral Humeral Condylar Fractures in Dogs Using a Locking Implant System	E. Kvale
5:45	3978: Amikacin-Impregnated PMMA for Management of Surgical Site Infection Prior to TPLO Revision in a Patient with Severe Genu Varum	C. M. Follette
6:00	Jacques Jenny Lecture *Sponsored by:*	L. M. Galatz

Wednesday, February 5th – Morning Session

Regenerative Medicine

Sponsored by Intrauma

Room: Continental Room
Moderator:

7:00	4026: Chondrogenesis of Canine Bone Marrow-Derived Mesenchymal Stromal Cells (cMSCs) in a Serum-Free Type I Collagen System Is Enhanced By Pre-Exposure to Basic Fibroblast Growth Factor (bFGF)	C. J. Silveira
7:15	3949: Xenogen-Free Stem Cell Preparation Enhances Safety and Efficacy	A. E. Watts
7:30	4038: Publication Rate and Evidence-Based Evaluation of Abstracts Presented at the Annual Veterinary Orthopedic Society Conference	W. S. Kettleman
7:45-8:15	Break	
8:15	4071: The Antimicrobial Effects of Intra-Articular Autologous Platelet-Rich Plasma Injection on Decreasing the Infection Rate Following TPLO Surgery	Y. Aryazand
8:30	3990: Creating a Novel Fracture Research Animal Models Database	C. A. Kirker-Head
	Rapid Fire Poster Presentations	
8:45-9:15	TBD	TBD

Wednesday, February 5th - Day

10:30 Frank Rapp VOS Memorial Ski Race (**Greyhawk Lift**)
Sponsored by BioMedtrix

12:00 Mountain Picnic (**Greyhawk Parking Area**)
Sponsored by Everost/Steris Animal Health

Wednesday February 5th - Evening Session
Imaging Rounds
Sponsored by VOS

Room: Continental Room
Moderator: R. Pollard & R. King

4:00-4:45	Small Animal Imaging Rounds	R. Pollard R. King
4:45-5:15	Break	
5:15-6:00	Small Animal Imaging Rounds	R. Pollard R. King
6:00-7:00	Jacques Jenny Lecture	L. M. Galatz
7:15-9:00	Poster Session **Limelight Room** *Sponsored by*	
9:00-10:30	Foundation Night featuring Dr. Cady Coleman **Continental Room** *Sponsored by*	
7:15-10:45	Foundation Night Kid's Party **Bowling Alley Sun Valley Lodge** *Sponsored by*	

Thursday, February 6th – Morning Session
Bloomberg Awards
Sponsored by AOVET North America, Boehringer-Ingelheim, New Generation Devices,

VOS Past Presidents, Orthomed, Securos and IMEX

Room: Continental Room
Moderator: José M. Garcia-López

7:00	3910: Comparison of Semi-Cylindrical Recession Trochleoplasty and Trochlear Block Recession for the Treatment of Canine Medial Patellar Luxation: A Pilot Study	C. L. Blackford Winders
7:15	3991: Comparison of Drilling, Screw Insertion and Pullout Variables of Biaxial and Uniaxial Thread Self-Tapping 3.5 Mm Cortical Bone Screws in Cadaveric Equine Third Metacarpal Bone	J. L. Pye
7:30	3923: Biomechanical Comparison of External Fixation and Bilateral Plating for Stabilization of a Canine Cadaveric Distal Metaphyseal Humeral Fracture Gap Model	S. L. Castaldo
7:45-8:15	Break	
8:15	4053: Comparison of a Novel Cup Position Assessment Device Using Fluoroscopy with CT Assessment and Direct Measurement of Acetabular Component Position in Total Hip Arthroplasty in Dogs	B. N. Dalbeth
8:30	4019: Long-Term Prognosis for Return to Athletic Function after Interspinous Ligament Desmotomy for Treatment of Impinging and Overriding Dorsal Spinous Processes in Horses: 71 Cases (2012-2017)	A. J. Prisk
8:45	4018: Influence of Barbed Epitendinous Suture in Combination with a Core Locking Loop Suture for Flexor Tendon Repair in a Canine Cadaveric Translational Laceration Model	A. Eby
9:00	4012: Evaluation of Communication between the Equine Tarsocrural and Talocalcaneal Joints Using Intraarticular Contrast Enhanced CT and Methylene Blue Stain	T. E. Cullen
9:30-10:30	Resident-In-Training Session (**Inn Board Room**) *Sponsored by AOVET North America*	C. Zink

Thursday, February 6th – Evening

4:00-5:30	Business Meeting (**Continental Room**)
6:30-7:30	No Host Cocktail **River Run Lodge** (Shuttles will be provided)
7:35	Banquet – **Thursday, February 6th –** Awards and Entertainment **River Run Lodge** (Shuttles will be provided)

Friday, February 7th – Morning Session

Orthopedics IV

Sponsored by Intrauma

Room: Continental Room

Moderator:

7:00	3925: Synovetin Efficacy	S. M. Fox
7:15	3955: Minimal Invasive Stabilization of Thoracolumbar Spinal Fractures and Luxations in Dogs and Cats Using Unilateral Uniplanar External Skeletal Fixator	T. Bitterli
7:30	4054: Patellofemoral Pain Syndrome in Incomplete or Low Grade Medial Patellar Luxation in French Bulldog	B. Vedrine
7:45-8:00	Break	
8:00	4050: Proximal Physeal Fracture of the Tibia with Caudal Bascule of the Tibial Plateau Managed with Epiphysiodesis of the Proximal Tibia	B. Vedrine
8:15	3917: Clinical and Radiographic Features of Implant Failure after Fracture Fixation in Dogs and Cats: 37 Cases (2013-2018)	T. L. Menghini
8:30	4022: Effects of the Ruby Procedure on Stifle Stability in an Ex-Vivo, Cadaveric Model	C. Dominic
8:45	3918: Predisposing Factors for Implant Removal Following Surgical Repair of Tarsal Injuries in 124 Racing Greyhounds: 2007-2018	C. M. Follette
9:00	4004: Ex Vivo Mechanical Testing of 3 Loop Pulley Suture, Tendon Plating, and Combination in a Canine Common Calcaneal Tendon Repair Model	D. L. Watt

Friday, February 7th – Evening Session

Orthopedics V

Sponsored by Intrauma

Room: Continental Room

Moderator:

4:00	4078: Clinical Evaluation and Early Outcome Assessment of the Vetkiss Micro Locking Plate System	R. Cunningham
4:15	3980: Interobserver Variability of Joint Orientation Lines in Dogs with Antebrachial Deformities	L. C. Peterson
4:30	3985: Simple Ostectomy to Address Quadriceps Impingement Caused By Distal Femoral Malunion in Four Dogs	S. C. Jones
4:45	3956: Patient Weight Is a Risk Factor for Implant Removal Following Canine TPLO: 747 Cases from Two Referral Centers	R. McDougall
5:00-5:15	Break	
5:15	4005: Comparison of Perioperative Analgesic Protocols and Evaluation of the Development of a Chronic Neuropathic Pain State in Dogs with Undergoing TPLO for Naturally Occurring Cranial Cruciate Ligament Rupture	A. Kalamaras
5:30	3932: Comparison of the Cellular and Cytokine Profile of Autologous Protein Solution and Autologous Conditioned Serum in Healthy Horses	A. Velloso Alvarez
5:45	4010: Effect of Poloxamer 407-Vancomycin Compounds on in Vitro Biofilms: A Pilot Study	L. P. Hixon