VOS 2017 PROGRAM

Saturday, March 11th – Registration and Welcome Reception
Sponsored by VOS

Primrose

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

Program continues on next page
### Sunday, March 12th – Evening Session
**Orthopedics I**  
*Sponsored by Kyon*

**Ballroom 1 and 2**  
Moderator: Richard Evans

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:45 PM</td>
<td><em>President’s Welcome and Foundation Message</em></td>
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<tr>
<td>4:00</td>
<td>1 - 3D Solitary Sequence Magnetic Resonance Imaging of the Dog Spine</td>
<td>Wininger, Fred</td>
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<td>in Hansen Type I Intervertebral Disk Disease</td>
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<tr>
<td>4:15</td>
<td>2 - Effects of Administration of Adipose-Derived Stromal Vascular</td>
<td>Upchurch, David</td>
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<td>Fraction and Platelet-Rich Plasma to Dogs with Osteoarthritis of the</td>
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<td></td>
<td>Hip Joints</td>
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<td></td>
<td>Veterinary Orthoses and Prostheses – a Surgeon’s Perspective</td>
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<td>4:45-5:15</td>
<td>Break – <em>Sponsored by Securos Surgical</em></td>
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<tr>
<td>5:15</td>
<td>Invited lecture – Musculoskeletal Rehabilitation From a Biomechanical</td>
<td>Clayton, Hilary</td>
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<td>Perspective</td>
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| 6:00-7:00 | Jacques Jenny Lecture  
*Sponsored by DePuy Synthes*                  | Stannard, James                                                     |
| 7:00-8:30 | Exhibitors Showcase  
*Sponsored by VOS*                          |                                                                      |
| 7:10-8:00 | Residents’ Session  
*Sponsored by Everost*                       | Jones, Stephen                                                       |
|         |                                                                    | Kieves, Nina                                                        |
**Monday, March 13th – Morning Session**

**Orthopedics II**

*Sponsored by Arthrex*

**Ballroom 1 and 2**

*Moderator: Alan Cross*

6:45 AM  
*Past Presidents’ Breakfast benefitting the VOS Educational Foundation*
*Sponsored by VOS*

7:00  
3 - Factors Associated with Tibial Tuberosity Fracture after Tibial Plateau Leveling Osteotomy  
Mehrkens, L

7:20  
4 - Meniscal Kinematics through Automatic 3D Meniscus Model Extraction from MR Images: Validation and Application in Canine Stifles  
Park, Brian

7:35  
5 - In-Vivo Three-Dimensional Stifle Kinematics in Goats with Anterior Cruciate Ligament Deficiency  
Bascunan, Ana

7:50-8:15  
*Break – Sponsored by SpectraVET, Therapeutic Lasers*

8:15  
State of the Industry Talk – Arthrex  
Joint Resurfacing – CUE and Synacart Update  
Walls, Chuck

8:30  
6 - Small Field of View 3T MRI to Determine Meniscal Volume in the Canine Stifle: An Ex-Vivo Study  
Won, W

8:45  
7 - Quantitative MRI and Epic Micro CT for Assessing Cartilage Proteoglycan Content in the Canine Stifle  
Franklin, Samuel

9:00  
8 - Comparison of Tibial Morphology in Normal and Cranial Cruciate Ligament Deficient Stifles of 18 Dogs  
Townsend, Sarah
Monday, March 13th – Morning Session
Equine Orthopedics I
Sponsored by Arthrex

Magpie
Moderator: José García-López

6:45 AM  Past Presidents’ Breakfast benefitting the VOS Educational Foundation
Sponsored by VOS

7:00  9 - Temporal and Regional Variation in Gene Expression, Histopathology and Biomechanical Properties in an Ovine Model of Flexor Tendinopathy  
Biasutti, Sara

7:20  10 - Microrna-29a in Equine Tendinopathy  
Watts, Ashlee

7:35  11 - In-Vivo Evaluation of Sedation on Acoustoelastography in Normal Equine Superficial Digital Flexor Tendons  
De Gasperi, Diego

7:50-8:15  Break – Sponsored by SpectraVET, Therapeutics Lasers

8:15  12 - Muscle Injuries As the Primary Cause of Lameness in Fourteen Horses  
Cullen, Thomas

8:30  Invited lecture – Ground Reaction Forces: the Sine Qua Non of Locomotion  
Clayton, Hilary

9:00  Discussion
<table>
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<tr>
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<tbody>
<tr>
<td>4:00 PM</td>
<td>13 - Long-Term Outcome of Horses Treated with Lateral Digital Extensor Myotenectomy for the Treatment of Conventional Stringhalt: 10 Horses (2002-2015)</td>
<td>Suarez-Fuentes, David</td>
</tr>
<tr>
<td>4:15</td>
<td>14 - Regional Limb Perfusion of Gadolinium Contrast Medium in 26 Horses</td>
<td>Aarsvold, Stacie</td>
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<tr>
<td>4:30</td>
<td>15 - Modeling Exercise and Humeral Fracture</td>
<td>Stover, Susan</td>
</tr>
<tr>
<td>4:45</td>
<td>16 - Measurement of Shoulder Abduction Angles in Dogs-an Ex-Vivo Study of Accuracy and Precision</td>
<td>Jones, Stephen</td>
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<td>5:00-5:15</td>
<td>Break – Sponsored by SpectraVET, Therapeutics Lasers</td>
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<tr>
<td>5:15</td>
<td>17 - The Association of Post-Operative Rehabilitation with Outcome in Dogs with Intervertebral Disk Herniation</td>
<td>Hodgson, Michelle</td>
</tr>
<tr>
<td>5:30</td>
<td>18 - Comparison of Sham Versus Actual Low Level Light Therapy (LLLT) in Treatment of Canine Elbow Osteoarthritis Pain and Lameness</td>
<td>Looney, Andrea</td>
</tr>
<tr>
<td>5:45</td>
<td>19 - Preclinical Evaluation of 117mSn Colloid As a Radiosynoviorthesis Agent for Treatment of Canine Elbow Joint Osteoarthrosis</td>
<td>Donecker, J</td>
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<tr>
<td>6:00-7:00</td>
<td>Jacques Jenny Lecture – Sponsored by IMEX</td>
<td>Stannard, James</td>
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</table>
Tuesday, March 14th – Morning Session
Orthopedics III
Sponsored by Aratana Therapeutics

Ballroom 1 and 2
Moderator: Reunan Guillou

7:00 AM  20 - Minimally Invasive Sacroiliac Lag Screw Fixation Using a Dedicated Novel Instrument System – Apparatus and Technique Description  Déjardin, Loïc

7:20  21 - Creating a Research Animal Fracture Models Database  Kirker-Head, Carl

7:35  22 - Postoperative Alignment after Fracture Reduction Under the Plate in Minimally Invasive Plate Osteosynthesis of Non Articular Fractures of the Tibia and Femur in Small Animals: 41 Cases  Cabassu, Julien

7:50-8:15  Break

8:15  23 - Pancarpal Arthrodesis Using Hybrid Dynamic Compression Plates without External Coaptation  Quinn, Robert

8:30  24 - Evaluation of Postoperative Healing for Novel Tendon-Transfer Surgery Using an Implantable Passive Mechanism: A Pilot In Vivo Study  Le, Anthony

8:45  25 - Mechanical Comparison of a Type II External Skeletal Fixator and Locking Compression Plate in a Fracture Gap Model  Muro, Noelle

9:00  State of the Industry Talk – Aratana Therapeutics
      How Local Anesthetics Have Changed my Post-Op Patient Management  Ehrhart, Nicole
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<td>7:00 AM</td>
<td>Invited lecture – Gait Asymmetry is not Synonymous with Lameness</td>
<td>Clayton, Hilary</td>
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<tr>
<td>7:50-8:15</td>
<td>Break</td>
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<tr>
<td>8:15</td>
<td>26 – Neurectomy of the Deep Branch of the Lateral Palmar Nerve As a Treatment for Chronic Equine Forelimb Proximal Suspensory Desmitis: Long Term Follow Up on 20 Cases</td>
<td>Bathe, Andrew</td>
</tr>
<tr>
<td>8:30</td>
<td>27 - Outcome of Horses Undergoing Navicular Bursotomy for the Treatment of Contaminated or Septic Navicular Bursitis: 19 Cases (2002-2016)</td>
<td>Suarez-Fuentes, David</td>
</tr>
<tr>
<td>8:45</td>
<td>28 - Cell-Free DNA Concentrations in Equine Synovial Fluid of Healthy Young Horses Following Induction of Osteoarthritis of the Carpus and Treadmill Exercise</td>
<td>Panizzi, Luca</td>
</tr>
</tbody>
</table>
Ballroom 1 and 2
Moderator: Raviv Balfour

4:00-6:00 PM  Small Animal Imaging Rounds
              Valdes-Martinez, Alejandro
              Pollard, Rachel

4:45-5:15  Break

6:00-7:00 Small Animal Imaging Rounds
              Stannard, James

Tuesday, March 14th – Evening Session
Small Animal Imaging Rounds
Sponsored by Sound

Tuesday, March 14th – Evening Session
Equine Orthopedics III

Magpie
Moderator: José García-López

3:45 PM  Invited lecture – Use of Stem Cells, PRP and BMAC in the
         Management of Tendon/Ligament and Articular Conditions
         Nixon, Alan

4:15  29 - Use of a Bipolar Radiofrequency Device to Remove Proximal
      Sagittal Ridge Fragments of the Third Metacarpus/Metatarsus in
      Thoroughbred Yearlings
      Sandow, Cole

4:30  30 - Biomechanical Comparison of LCP Fixation to a Novel Pedicle
       Screw External Fixation for Mandibular Fracture Repair
       Monck, Samantha

4:45  31 - Effects of Loading and Lag Screw Reduction on Type III Distal
       Phalangeal Fracture Stability
       Stewart, Matthew

5:00-5:15  Break

5:15  Invited lecture – Medical and Surgical Management of Tenosynovitis
      in the Equine Athlete
      Nixon, Alan

6:00  Jacques Jenny Lecture
      Sponsored by Elanco – Ballroom 1 & 2
      Stannard, James
Wednesday, March 15th – Morning Session
Complications and Corrections
Sponsored by Sontec

Ballroom 1 and 2
Moderator: John Chandler

7:00 AM  Invited lecture – To Nail or not to Nail  Déjardin, Loïc
7:25  Invited lecture – Long-term Complications of Total Hip Replacement  Kowaleski, Mike
7:50 – 8:15  Break
8:15  Invited lecture – If you put a cat and a bunch of broken bones in the same room...  Pozzi, Antonio
8:40  Invited lecture – Complications of Humeral Fractures and the Evolution of Surgical Management  Watkins, Jeffrey

Wednesday, March 15th – Day

10:30  Ski Race – Lower Wilbere Ridge
Sponsored by BioMedtrix

12:00-1:30  Mountain Picnic – Near Creekside Lodge
Sponsored by Everost
Wednesday, March 15th – Evening Session
Sports Medicine, Rehabilitation and Regenerative Medicine II
*Sponsored by Purina*

Ballroom 1 and 2
Moderator: Cheryl Tano

4:00 PM 32 - Effect of Carprofen Usage on Platelet Activation in Canine Platelet-Rich Plasma
Ludwig, Hilary

4:15 33 - Porous Poly(ethylene glycol) Diacrylate (PEG-DA) Hydrogels As Scaffolds for Articular Cartilage Tissue Engineering
Bearden, Robert

4:30 34 - In Vivo Re-Animation of Decellularized Skeletal Muscle Scaffold Following Volumetric Muscle Loss
Rose, Ruth

4:45 35 - Exposure to Donor Bone Protein Induces Tolerance in Massive Cortical Allograft Recipients
McNamara, Kaitlyn

5:00-5:15 Break

5:15 36 - Comparison of Anabolic Growth Factor Elution from Thrombin/Calcium Chloride Activated Platelet-Rich Fibrin Gels and Platelet-Rich Chondroitin Sulfate Glycosaminoglycan Gels
Birdwhistell, Kate

5:30 37 - Comparison of Various Freezing Medium Conditions on the Phenotype of Canine-Adipose Derived Stromal Cells
Kiefer, Kristina

5:45 38 - Allogeneic Stem Cell Survival and Localization after Intraarticular Administration in Laboratory Beagles
Harman, Robert

6:00 – 7:00 Jacques Jenny Lecture
*Sponsored by Zoetis*

Stannard, James

7:10-9:30 Poster Session and Foundation Night – Primrose Comedian – Gold Cliff
*Sponsored by Partners in Veterinary Therapeutics*

7:00-9:30 Foundation Night Kid’s Party – Camp Snowbird
*Sponsored by VOS*
Thursday, March 16th – Morning Session
Bloomberg Awards

*Sponsored by Merial, New Generation Devices,*
*VOS Past Presidents, Orthomed, AO Vet, Securos and Arthrex*

**Ballroom 1 and 2**
**Moderator: Reunan Guillou**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</tr>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>39 - Inter- and Intra-Observer Variability of Radiography and Computed Tomography for Evaluation of Zurich Cementless Acetabular Cup Placement Ex Vivo</td>
<td>Leasure, Jessica</td>
</tr>
<tr>
<td>7:20</td>
<td>40 - Kinetic Gait Analysis of Agility Dogs Entering the A-Frame</td>
<td>Appelgrein, Carla</td>
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<tr>
<td>7:35</td>
<td>41 - Variability of the Position of the Greater Trochanter: Implications for Femoral Preparation during Canine Total Hip Replacement</td>
<td>Davis, Daniel</td>
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<tr>
<td>7:50-8:15</td>
<td>Break</td>
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<tr>
<td>8:15</td>
<td>42 - Effect of Regional Limb Perfusion Volume on Concentrations of Amikacin Sulfate in Synovial and Interstitial Fluid Samples from Anesthetized Horses</td>
<td>Godfrey, Jennifer</td>
</tr>
<tr>
<td>8:30</td>
<td>43 - Incidence of Radiographic Patellar Tendon Thickening Following Tibial Plateau Leveling Osteotomy Using Three Methods of Joint Inspection</td>
<td>Owen, Deandra</td>
</tr>
<tr>
<td>8:45</td>
<td>44 - Changes in the Flexor Tendons Following Injury: An Ex-Vivo Study Using an Ovine Tendinopathy Model</td>
<td>Tsang, Albert S H</td>
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<tr>
<td>9:00</td>
<td>45 - Comparison of Outcome Following Semitendinosus Tenotomy Performed Under Standing Sedation Versus General Anesthesia for the Treatment of Fibrotic Myopathy in Horses</td>
<td>Suarez-Fuentes, David</td>
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Thursday, March 16th – Evening

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<tr>
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<tr>
<td>4:00-5:30</td>
<td>Business Meeting</td>
<td>Wasatch A and B</td>
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<tr>
<td>6:30-7:30</td>
<td>No Host Cocktail</td>
<td>Ballroom Lobby</td>
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<tr>
<td>7:30</td>
<td>Banquet – Co-Sponsored by Aratana Therapeutics and VOS Awards and Entertainment</td>
<td>Ballroom 1, 2 and 3</td>
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</tbody>
</table>
Ballroom 1 and 2
Moderator: Katja Lin

7:00 AM 46 - The Short Lateral Collateral Ligaments of the Tarsus in the Dog: A Functional Cadaveric Study  Schuenemann, Riccarda
7:20 47 - Arthroscopic Treatment of Septic Arthritis in 12 Dogs  Cabassu, Julien
7:35 48 - Morphologic MRI Features of Medial Compartment Disease in Canine Elbows Associated with Severity of Intra-Articular Changes Identified with Arthroscopy  Holmes, Shannon
7:50-8:05 Break
8:05-8:35 Invited lecture – Complex Equine Carpal Arthroscopy  Nixon, Alan
8:35 49 - Revision of Dorsal Luxation after Total Hip Replacement (THR) Using a Triple Pelvic Osteotomy (TPO)  Monotti, Isobel
8:50 50 - Outcome and Complications Following Stabilization of Coxofemoral Luxations in Cats Using Mini Tightrope® System  Knell, Sebastian
**Friday, March 17th – Evening Session**  
**Orthopedics V**  
*Sponsored by AO Vet*

Ballroom 1 and 2  
Moderator: Jonathan Suber

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>4:00 PM</td>
<td>51 - A New Coaptationless Stabilization Technique for Feline Stifle Disruption- Surgical Technique and Initial Results</td>
<td>Schmierer, Philipp</td>
</tr>
<tr>
<td>4:15</td>
<td>52 - Radiographic and MRI Characterization of the Clinically Significant Patellar Tendinopathy in Dogs Following TPLO</td>
<td>Holmes, Shannon</td>
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<tr>
<td>4:30-5:00</td>
<td>Invited lecture - Complex, Multi-Fragment Middle Phalanx Fractures</td>
<td>Watkins, Jeffrey</td>
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<tr>
<td>5:00-5:15</td>
<td>Break</td>
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<td>5:15</td>
<td>53 - Clinical Utility of Preanesthetic Bloodwork Prior to Orthopedic Surgery</td>
<td>Gordon-Evans, Wanda</td>
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<td>5:30</td>
<td>54 - Identification of the Middle Tibial Anatomic Axis in the Sagittal Plane in Several Breeds of Dogs</td>
<td>Yeh, Spencer</td>
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<tr>
<td>5:45</td>
<td>55 - Factors Contributing to the Variability of a Predictive Score for Cranial Cruciate Ligament Deficiency in Labrador Retrievers</td>
<td>Cunningham, Devin</td>
</tr>
<tr>
<td>6:00</td>
<td>56 - Evaluation of a Novel Method of Calculating Radiographic Subsidence of Cementless Femoral Stem Prostheses: A Cadaveric Study</td>
<td>Brand, Kenneth</td>
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