VOS 2016 PROGRAM

Saturday, February 27th – Registration and Welcome Reception

*Sponsored by Zoetis*

Madison/Gallatin

8:00-10:00pm  Registration and Wine and Cheese Reception

Program continues on next page
Sunday, February 28th – Day
Lab: 9:30am-3:00pm
Gibbon/Lamar Rooms
Sponsored by OrthoPets

Sunday, February 28th – Evening Session
Sports Medicine, Rehabilitation and Orthopedics
Sponsored by Purina

Madison/Gallatin
Moderator: Janet Van Dyke

3:30pm President’s Welcome and Foundation Messages

3:45 1 - Radiographic Outcome and Synovial Inflammatory Markers Following TPLO Dogs Enrolled in a Prospective, Randomized Clinical Trial Comparing the Effects of Diet and Physical Rehabilitation
Valentine Verpaalen

2 - Feline Anti-Nerve Growth Factor Antibody Improves Mobility in Cats with Degenerative Joint Disease-Associated Pain and Mobility Impairment
Margaret Gruen

4:00 3 - Evaluation of a Canine Stance Analyzer for Detection of Lameness in Dogs
Juliette Hart

4:15 4 - Preoperative Low Level Laser Therapy in Dogs Undergoing Tibial Plateau Levelling Osteotomy: A Blinded, Prospective, Randomized Canine Clinical Trial
Cleo Rogatko

4:45-5:15 Break

5:15 5 - Extended Trot Distal Forelimb Kinematics on Measured Dirt and Synthetic Arena Surfaces
Susan Stover

5:30 6 - Randomized, Prospective Clinical Trial Comparing the Effects of Diet and Physical Rehabilitation in Dogs Following Plateau Leveling Osteotomy
Wendy Baltzer

5:45 Aratana State of The Industry Talk: Local Anesthetics – Current and Future
Caleb Hudson

6:00-7:00 Jacques Jenny Lecture: Ankle Arthritis: Distraction and Deformity Correction
Sponsored by DePuy Synthes
Douglas Beaman

7:00-8:30 Exhibitors Showcase: Sponsored by VOS—Exhibit Halls

7:10-8:00 Residents Session: How to Write Grants That Get Funded
Sponsored by Veterinary Transplant Services
Matt Stewart
Madison/Gallatin
Monday, February 29th – Morning Session
Orthopedics I
Sponsored by Arthrex

Madison/Gallatin
Moderator: Rich Evans

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

7:00  7 - Effect of Tibial Tuberosity Advancement on Cranial Tibial Luxation in the Feline Cranial Cruciate Deficient Stifle Joint: An in-Vitro Experimental Study
Alexis Bilmont

7:20  8 - CASE REPORT - Evaluation of a Canine Talocrural Arthroplasty in Three Clinical Cases
Randall Acker

7:35  9 – Six-Month Outcome of an Intra-Articular Allograft Technique for Treatment of Cranial Cruciate Ligament Rupture in the Dog
Jeffrey Biskup

7:50-8:15  Break

8:15  10 - Retrospective Evaluation of Lumbosacral Disease Treated with Rehabilitation, Discectomy or Discectomy with Surgical Stabilization
Tiffany Kimbrell

8:30  11 - Retrospective Evaluation of Hemiepiphysiodesis of Dogs with Proximal Tibial Valgus Deformities
Anastasia Olsen

8:45  12 - Comparison of Jigs and Osteotomy Types Used in the Correction of Distal Femoral Deformities in the Dog: An in Vitro Study
Matteo Olimpo

9:00  VOI State of the Industry Talk: anatomic CORA Based Levelling Osteotomy (aCBLO)
Tom Turner
Monday, February 29th – Morning Session
Equine Orthopedics
Sponsored by PulseVet

Gibbon Room
Moderator: Matt Stewart

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

7:00    13 - Randomized, Blinded, Placebo-Controlled Clinical Trial of Resveratrol
        Supplementation for Equine Hock Lameness  Ashlee Watts

7:15    14 - Intra-Articular Polyacrylamide Hydrogel for the Treatment of 20
        Horses with Non-Responsive Osteoarthritis of the Interphalangeal Joints: a Prospective Study  Andy Bathe

7:30    15 - Multi-Frequency High Power Laser Therapy in Equine Tendon and
        Ligament Injuries: A Prospective Pilot Study  Rachel Read

7:45-8:00  Break

8:00    PulseVet State of the Industry Talk: Recent Veterinary Shockwave Related
        Research  David Frisbie

8:15    EBM for Orthopedic Medications
        Are the Biologic Soups Really Different?  David Frisbie

8:45-9:00  Discussion

Monday, February 29th – Day
Lab – 9:30am-3:00pm
Gibbon/Lamar Rooms
Sponsored by VOI
Monday, February 29th – Evening Session
Sports Medicine and Rehabilitation
*Sponsored by Purina*

**Madison/Gallatin**
**Moderator: Cheryl Tano**

4:00pm 16 - Clinical Metrology Instrument Administration: Evaluation of Baseline Variability and the Effect of Independent Versus Dependent Interviewing on Pain and Mobility Scores in Dogs with Osteoarthritis  
Carrie Muller

4:20 17 - Comparison of Three Different Covers for Use in Objective Gait Evaluation with a Pressure Sensitive Walkway  
Nina Kieves

4:35 18 - Evaluation of Factors Influencing Accelerometry Activity Data in Dogs  
Kyle Martin

4:50-5:15 *Break*

5:15 19 - Evaluation of the Environmental Bias on Accelerometer-Measured Total Daily Activity Counts in Dogs with Osteoarthritis  
Michael Conzemius

5:30 20 - Orthopedic Injuries during Marathon Sled Dog Racing  
Dirsko von Pfeil

5:45 PulseVet State of The Industry Talk: Recent Veterinary Shockwave Related Research  
Adrian Lock

6:00-7:15 *Jacques Jenny Lecture: Concepts in Osteomyelitis*
*Sponsored by DePuy Synthes*
Douglas Beaman

7:30-9:30 *Dinner and Cocktails – Sponsored by Aratana*

A Review of Clinical Study Results for Postoperative Pain, Osteosarcoma and Osteoarthritis  
Duncan Lascelles
Nicole Ehrhart
Steve Fox
Scott Gustafson
### Monday, February 29th – Evening Session

**Equine Surgery**

*Sponsored by Respond*

#### Gibbon Room

**Moderator: Andy Bathe**

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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>4:00pm</td>
<td>21 – CASE REPORT - Reconstruction of a Complicated Orbital Depression Fracture with Medial Wall and Globe Repositioning in a Horse</td>
<td>Fred Caldwell</td>
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<tr>
<td>4:15</td>
<td>22 - Clinical Outcome Following Tenoscopic Accessory Ligament of the Deep Digital Flexor Tendon Desmotomy in 17 Horses</td>
<td>Fred Caldwell</td>
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<td>4:30</td>
<td>Respond State of the Industry Talk: Laser Therapy in 2016: Where We Are Now With the Technology of Tomorrow?</td>
<td>Cara Blake</td>
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<td>4:45-5:00</td>
<td>Break</td>
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<tr>
<td>5:00</td>
<td>Use and Abuse of Locking Plates</td>
<td>Dean Richardson</td>
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<td>Treatment of Palmar Carpal Fractures</td>
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<td>CT Guided Fracture Repair</td>
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<td>5:45-6:00</td>
<td>Discussion</td>
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<tr>
<td>7:00am</td>
<td>23 - Radiological, Clinician and Owner Assessment of the BioMedtrix TATE® Elbow Arthroplasty</td>
<td>Neil Burton</td>
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<td>7:20</td>
<td>24 - Synthes 1.5mm Locking Plates for Repair of Distal Radius/Ulna Fractures in 11 Dogs Weighing &lt;4kg</td>
<td>Thomas Nelson</td>
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<td>7:35</td>
<td>25 - Oblique Plane Inclined Osteotomies for Treatment of Antebrachial Angulation-Rotation Deformities in Dogs</td>
<td>Samuel Franklin</td>
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<td>7:50-8:15</td>
<td>Break</td>
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<tr>
<td>8:15</td>
<td>26 – Utility of MRI for Characterizing Articular Cartilage Pathology in Dogs with Medial Coronoid Disease</td>
<td>Samuel Franklin</td>
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<td>8:30</td>
<td>27 - Canine Elbow Realignment Osteotomy (CERO): Validation of the Accuracy of Acute Radial Lengthening in a Cadaveric Incongruency Model</td>
<td>Neil Burton</td>
</tr>
<tr>
<td>8:45</td>
<td>28 - Use of Elastic Transarticular External Fixator Construct for Immobilization of the Elbow Joint: 4 Cases of Elbow Luxation and 1 Case of Avulsion of the Triceps Tendon</td>
<td>Bertrand Vedrine</td>
</tr>
</tbody>
</table>
Tuesday, March 1<sup>st</sup> – Morning Session
Equine Imaging

*Sponsored by Sound*

**Gibbon Room**

*Moderator: Andy Bathe*

- **7:00am**  29 - Difficulties Performing Ultrasound Guided Injection of the Podotrochlear Bursa
  
  Jose Romero

- **7:15**  30 - Diagnostic Utility of Three Dimensional Imaging in the Management of Equine Distal Limb Fractures: A Retrospective Study of 36 Cases
  
  Rachel Read

- **7:30**  31 - CASE REPORT - Bilateral Carpal Synovial Osteochondromatosis in an Aged Quarter Horse Mare...Avoiding the ‘Procrustean Bed’ of Equine Arthropathy Diagnosis
  
  Matthew Stewart

- **7:45-8:00**  *Break*

- **8:00**  Imaging Characteristics of Subchondral Bone Injury in the Fetlocks of Show Jumpers

  Cervical CT – What are the Possibilities?

  Digital Imaging – Accuracy in Interpretation and the Impact of Digital Artefacts

  Sarah Puchalski

- **8:45-9:00**  Discussion

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**Tuesday, March 1<sup>st</sup> – Day**

Lab -- 9:30am-3:00pm

Gibbon/Lamar Rooms

*Sponsored by Arthrex*
Tuesday, March 1st – Evening Session
Small Animal Imaging Rounds

Madison/Gallatin
Moderator: Russ Tucker

Alex Valdes
Rachel Pollard

4:00-6:00pm, Break 4:45-5:15

6:00-7:00  Jacques Jenny Lecture: Calcaneal Fractures and Tarsometatarsal Injuries
          Sponsored by DePuy Synthes

Tuesday, March 1st – Evening Session
Equine Orthopedic Disease and Prevention

Gibbon Room
Moderator: Matt Stewart

4:00pm  32 - Impact of Bisphosphonate Administration on Cortical Bone Repair  Matthew Stewart

4:15  33 - Staging and Analysis of Microstructural Changes in Navicular Disease  Mark Hurtig

4:30  34 - Evidence for Pre-Existing Pathology in Retrospective Postmortem Study of Non-Condylar Metacarpal Fractures in 14 Racehorses  Sarah Gray

4:45-5:00  Break

5:00  Why are Soft Tissue Injuries Becoming So Prevalent in Sport Horses?  What Pathology Has Taught Us About How We Should Train and Rehabilitate Racehorses  Susan Stover

5:30  State of the Industry Talk: Flexor Apparatus Injuries in the Horse: Cause, Prevention and Rehabilitation  Carl Kirker-Head

5:45  Discussion
Wednesday, March 2nd – Morning Session
Complications and Corrections
*Sponsored by Sontec*

**Madison/Gallatin**
**Moderator: Steve Petersen**

7:00am  35 - Dislocation of a Dual Mobility Total Hip Replacement Following Fracture of the Polyethylene Liner  Bertrand Vedrine

7:20    36 - Technique Related Risk factors for Stem Complications with the Canine Press Fit Cementless Total Hip Arthroplasty  Sarah Townsend

7:35    37 - Comparison of Iatrogenic Articular Cartilage Injury in Canine Stifle Arthroscopy Versus Medial Parapatellar Mini-Arthrotenomy  Cleo Rogatko

7:50-8:05  *Break*

8:05    38 - Evaluation of Ultraviolet Light C for Reduction of Methicillin-Resistant Staphylococcus Aureus in a Canine Skin and Muscle Model: A Potential Alternative for Surgical Site Infection Prevention and Treatment  Mauricio Dujowich

8:20    TPLO fail, #65  Steve Petersen

8:35-9:05  Complications, Corrections and Acts of Desperation  Dean Richardson

Wednesday, March 2nd – Day

10:30  *NASTAR Race: Sponsored by BioMedtrix*

12:00  *Mountain Picnic: Sponsored by Everost*  Huntley Dining Room
Wednesday, March 2nd – Evening Session
Regenerative Medicine
Sponsored by VTS

Madison/Gallatin
Moderator: Matthew Stewart

4:00pm
39 - Equine Allogeneic Bone Marrow-Derived Mesenchymal Stromal Cells Elicit Antibody Responses In Vivo
Lynn Marie Pezzanite

4:15
40 - Effect of Extracorporeal Shockwave Treatment on Growth Factor Expression from Equine Platelet-Rich Plasma
Kathryn Seabaugh

4:30
41 - Leukocyte, Growth factor and Cytokine Concentrations in Canine Platelet-Rich Plasmas Prepared with 5 Commercially Available Systems
Samuel Franklin

4:45
42 - Autologous Bone Marrow-Derived Mesenchymal Stromal Cells Elicit an Anti-Inflammatory Response in Canine Partial CrCL Rupture Model
Jason Bleedorn

5:00-5:15 Break

5:15
43 - Randomized, Double Blinded, Placebo-Controlled trial to Investigate the Efficacy of a Dasuquin® for the Treatment of Osteoarthritis in Dogs
Ruth Scott

5:30
44 - Clinical Factors Affecting Success of Patient Cell Culture Towards Autologous Synoviocyte-Based Meniscal Tissue Engineering
Jennifer Warnock

5:45
DePuy Synthes State of the Industry Talk: Small Bones, Small Plates: Clinical Application of Mini LCP
Michael Kowaleski

6:00-7:00
Jacques Jenny Lecture: Overview of Ring External Fixation for Lower Extremity Trauma
Sponsored by DePuy Synthes
Douglas Beaman

7:10-11:00 Poster Session and Foundation Night
Sponsored by Partners in Veterinary Therapeutics
Upper Atrium

7:00-10:00 Foundation Night Kids’ Party
Sponsored by VOS
Village Center
### Thursday, March 3rd – Morning Session

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

**Madison/Gallatin**  
**Moderator: Andy Bathe**

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<tr>
<td>7:00am</td>
<td>45 - In Vitro Biomechanical Testing of the 3.5mm LCP in Torsion: A</td>
<td>Alex Padron</td>
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<td>Comparison of Unicortical Locking to Bicortical Nonlocking Screws Placed Nearest the Fracture Gap in a Synthetic Bone Model</td>
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<td>7:15</td>
<td>46 - Third Carpal Bone Fracture is Associated with Focal Subchondral Bone Porosity in Racehorses</td>
<td>Elizabeth Collar</td>
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<tr>
<td>7:30</td>
<td>47 - Effect of Tibial Plateau Levelling Osteotomy on Stability of the Feline Cranial Cruciate-Deficient Stifle Joint: An in Vitro Experimental Study</td>
<td>Alexis Bilmont</td>
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<tr>
<td>7:45-8:00</td>
<td><strong>Break</strong></td>
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<tr>
<td>8:00</td>
<td>48 - A Novel Technique for Cervical Fusion in Horses</td>
<td>Ellison Aldrich</td>
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<td>8:15</td>
<td>49 - Ex-Vivo Effect of Sliding Humeral Osteotomy (SHO) on Thoracic Limb Alignment: Implications for Management of Medial Compartment Disease</td>
<td>Adam Breiteneicher</td>
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<tr>
<td>8:30</td>
<td>50 - Serum and Synovial Fluid Serum Amyloid A as an Aid in Confirming Synovial Sepsis in the Horse</td>
<td>Elsa Ludwig</td>
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<tr>
<td>8:45</td>
<td>51 - Biomechanical Comparison of Tibial Plateau Levelling Osteotomy Performed with a Novel Titanium Locking Plate Versus an Established Stainless Steel Locking Plate</td>
<td>Seth Bleakley</td>
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### Thursday, March 3rd – Business Meeting

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<tr>
<td>4:00-5:30pm</td>
<td><strong>Business Meeting</strong></td>
<td>Dunraven/Obsidian Room</td>
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<tr>
<td>6:30-7:30</td>
<td><strong>No Host Cocktails</strong></td>
<td>Missouri Ballroom</td>
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<tr>
<td>7:30-11:00</td>
<td><strong>Banquet – Sponsored by VOS Awards and Entertainment</strong></td>
<td>Missouri Ballroom</td>
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</table>
Friday, March 4th – Morning Session  
Orthopedics III  
*Sponsored by Arthrex*

**Madison/Gallatin**  
**Moderator: Jonathan Suber**

7:00 am  52 - Comparison of Ultrasound and MRI to Arthroscopy for Assessment of Medial Meniscal Pathology in Dogs with Cranial Cruciate Ligament Disease  
Samuel Franklin

7:15  53 - Correlation of Distraction Index with Arthroscopic Findings in Juvenile Dogs with Hip Dysplasia  
Emily Ulfelder

7:30  54 - Correlation Between MRI, Macroscopic and Histologic Measures in a Canine Model of Osteoarthritis  
Michael Conzemius

7:45-8:00  *Break*

8:00  55 - Safety and Accuracy of Minimally Invasive Long Bone Fracture Repair Using a Novel Interlocking Nail: A Cadaveric Feline Study  
Sebastian Knell

8:15  56 - Evaluation of Fluoroscopic-Guided Closed Reduction Versus Open Reduction of Sacroiliac Fracture-Luxations in Lag Fashion  
Amanda Haque

8:30  57 - Disposition and Ultimate Fate of a PLA-Peg Sustained Release Polymer after Intra-Articular Injection  
Mark Hurtig

8:45  58 - Biomechanical Evaluation of Polymethyl methacrylate with the Addition of Cefazolin, Vancomycin, Gentamycin and Silver  
Michael Ficklin

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**Friday, March 4th – Day**  
**Lab -- 9:30am-3:00pm**  
**Gibbon/Lamar Rooms**  
*Sponsored by Epica Medical*
## Friday, March 4th — Evening Session
### Orthopedics IV

**Madison/Gallatin Room**  
**Moderator: John Chandler**

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<tr>
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<tr>
<td>4:00pm</td>
<td>59 - Computed Tomography Study of Safe Implantation Corridors in Rabbit Vertebrae</td>
<td>Clara Moran</td>
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<tr>
<td>4:15</td>
<td>60 - Frameless Stereotaxy for Vertebral Implant Guidance in Dogs</td>
<td>Fred Wininger</td>
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<tr>
<td>4:30</td>
<td>61 - Biomechanical Evaluation of Different Plating Techniques for Feline Iliac Fracture Gap Stabilization: An Ex Vivo Cadaveric Study</td>
<td>Philipp Schmierer</td>
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<tr>
<td>4:45-5:00</td>
<td>Break</td>
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<tr>
<td>5:00</td>
<td>62 - Investigation and Grading of Intervertebral Disc Degeneration in the Cat By Way of Magnetic Resonance Imaging and Macroscopic Evaluation</td>
<td>Thomas Bitterli</td>
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<tr>
<td>5:15</td>
<td>63 - Comparison of Three Toggle Suture Constructs (TSCs) for Craniodorsal Hip Luxation in Dogs: An Ex Vivo Cyclical Biomechanical Study</td>
<td>Brian Saunders</td>
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<tr>
<td>5:30</td>
<td>64 - Flexible Egress Cannula Use for Canine Stifle Arthroscopy</td>
<td>Jennifer Warnock</td>
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<tr>
<td>5:45</td>
<td>65 - Evaluation of a Novel Extracapsular Articulating implant for Treatment of Cranial Cruciate Ligament Insufficiency</td>
<td>Neil Embleton</td>
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<tr>
<td>6:00</td>
<td>66 - Alternative Egress Technique for Reduction of Iatrogenic Cartilage Injury in Canine Stifle Arthroscopy</td>
<td>Miranda de la Vega</td>
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**Close**