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<td>Equine Odontoclastic Tooth Resorption and Hypercementosis: Techniques for Extraction of Canine and Incisor Teeth</td>
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<td>Jennifer Rawlinson, DVM, Cornell University</td>
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<td>INTERVENTIONAL RADIOLOGY</td>
<td>How to Build a Successful IR Clinic</td>
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<td>Matthew Beal, DVM, DACVECC, Michigan State University</td>
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<td>Non-Oncologic Vascular Interventions</td>
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<td>William Culp, VMD, DACVS-SA, University of California - Davis</td>
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<td>Using Vascular Plugs for Guttural Pouch Hemorrhage</td>
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<td>Jan Hawkins, DVM, DACVS, Purdue University</td>
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<td>John Rush, DVM, MS, DACVECC, DACVIM, Tufts University</td>
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<td>Update On Interventional Oncology: The 4th Pillar</td>
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<td>Chick Weisse, VMD, DACVS, The Animal Medical Center</td>
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<td>James Cook, DVM, PhD, DACVS, University of Missouri-Columbia</td>
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<td>David Frisbie, DVM, PhD, DACVS, Colorado State University</td>
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<td>Mark Hurtig, DVM, DACVS, University of Guelph</td>
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<td>Osteoarthritis Across the Species</td>
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<td>Sheila Laverty, MVB, DACVS, Universite de Montreal</td>
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<td>Bertrand Lussier, DMV, MSc, DACVS, Universite de Montreal</td>
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<td>Osteoarthritis as an Organ Disease</td>
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<td>Peter Muir, BVSc, PhD, DACVS, University of Wisconsin-Madison</td>
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<td>LARGE ANIMAL TECHNICIANS' PROGRAM</td>
<td>Ruminant Surgical Cases</td>
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<td>David Anderson, DVM, MS, DACVS, Kansas State University</td>
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<td>Large Ruminant Anesthesia</td>
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<td>Sharon Klingler, RVT, VTS (Anesthesia and EVN), Premier Equine Veterinary Services</td>
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<td>Beyond Triple Drip: Clinical Anesthesia in Private Practice</td>
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<td>Monitoring the Anesthetized Patient: How Much is Enough?</td>
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Pre-Anesthetic Work Up and Patient Stabilization for the Equine Surgical Patient
Sharon Klingler, RVT, VTS (Anesthesia and EVN), Premier Equine Veterinary Services

PAIN MANAGEMENT IN SMALL ANIMALS – IVAPM
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Intravenous and Intra-Wound Local Anesthesia
Alicia Karas, DVM, DACVA, Tufts University

Challenges of Perioperative Feline Pain Management
Alicia Karas, DVM, DACVA, Tufts University

SMALL ANIMAL TECHNICIANS’ PROGRAM
Sponsored by: Hill’s Pet Nutrition, Inc. An ACVS Industry Partner

Stem Cell Therapy for Small Animal Clinical Use
Tara Britt, VMD, DACVS-SA, Pet Emergency Treatment Service of Northern Colorado

Veterinary Technicians in Research
Michele Fritz, LVT, BS, Michigan State University

Interventional Radiology – A Technician’s Perspective of this Newly Emerging Modality
Tamara Hyjek Stokley, CVT, VCA Alameda East Veterinary Hospital

Collection, Culture And Preparation Of Bone Marrow-Derived Stem Cells For Clinical Use In Small Animals
T.K. Pope, BS, MS, Advanced Regenerative Therapies

Interventional Radiography, Catheter Placement and Care and Cardiology
John Rush, DVM, MS, DACVECC, DACVIM, Tufts University

Update on GOLPP (LAR PAR) Characterization Study
Bryden Stanley, BVMS, MVetSc, DACVS, Michigan State University

Vacuum Assisted Wound Closure
Patricia Sura, DVM, DACVS-SA, University of Tennessee

SURGERY FOR ADVANCED PRACTITIONERS

Surgical Management of Splenic and Liver Masses
John Berg, DVM, MS, DACVS, Tufts University

Surgical Management of Small Intestinal Masses
John Berg, DVM, MS, DACVS, Tufts University

Medial Patellar Luxation: Optimizing Outcome
Michael Kowaleski, DVM, DACVS, DECVS, Tufts University

Incorporating Arthroscopy into your Practice
Michael Kowaleski, DVM, DACVS, DECVS, Tufts University
Gastric Dilatation-Volvulus: Lactate Clearance and Prognosis  
Raymond Kudej, DVM, PhD, DACVS, Tufts University  

Management of Challenging Wounds: Moist Wound Healing  
Raymond Kudej, DVM, PhD, DACVS, Tufts University  

Orthobiologics: Improving on Bone Autograft?  
Michael Weh, DVM, DACVS-SA, Canada West Veterinary Specialists  

Management of Acute Spinal Cord Injury: Fractures and Luxations  
Michael Weh, DVM, DACVS-SA, Canada West Veterinary Specialists  

TECHNICIANS' PROGRAM  
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Patient Prep Techniques  
Danielle Browning, LVT, The University of Tennessee  

Decontamination of Surgical Instruments  
David Jagrosse, CRCST, Middlesex Hospital  

Assembly, Inspection and Sterilization of Surgical Instruments  
David Jagrosse, CRCST, Middlesex Hospital  

Care and Handling of Surgical Instruments and Supplies  
David Jagrosse, CRCST, Middlesex Hospital  

Ethylene Oxide and Plasma Sterilization  
David Jagrosse, CRCST, Middlesex Hospital  

Arthroscopy Equipment Maintenance  
Kevin McAbee, DVM, DACVS-SA, VCA Alameda East Veterinary Hospital  

Oh, Sew Easy': Understanding Suture Materials  
Heidi Reuss-Lamky, LVT, VTS, Academy of Veterinary Surgical Technicians  

Updates on Antimicrobial Resistance  
Louise Southwood, BVSc, PhD, DACVS, DACVECC, University of Pennsylvania  

TECHNICIANS' PROGRAM – SATURDAY  
Sponsored by: Hill's Pet Nutrition, Inc. An ACVS Industry Partner  

Anesthesia and Surgery in Ferrets  
Susan Holland, LVT, VTS, Animal Cancer & Imaging Center  

ICU Ventilators  
Paula Plummer, RVT, VTS, Texas A & M University  

Using Blood Gases to Help Manage Ventilator Cases  
Paula Plummer, RVT, VTS, Texas A & M University  

Preoperative and Postoperative Care for the Portosystemic Shunt Patient
Paula Plummer, RVT, VTS, Texas A & M University

**Traumatic Brain Injury Patient Care**

Paula Plummer, RVT, VTS, Texas A & M University

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**The Care and Use of Anesthesia Ventilators**

Katy Waddell, RVT, VTS (ECC, Anesthesia), Texas A&M University

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**Anesthesia Concerns for Patients with Portosystemic Shunts**

Katy Waddell, RVT, VTS (ECC, Anesthesia), Texas A&M University

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**Anesthesia Concerns for Patients with Adrenal Dysfunction**

Katy Waddell, RVT, VTS (ECC, Anesthesia), Texas A&M University

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**Anesthesia Concerns for Hyperthroid Cats**

Katy Waddell, RVT, VTS (ECC, Anesthesia), Texas A&M University

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**Developing a Safe Anesthesia Plan for a Traumatic Brain Injury Patient**

Katy Waddell, RVT, VTS (ECC, Anesthesia), Texas A&M University

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**TOTAL JOINT REPLACEMENT**

**Should I do a TATE or Inject Stem Cells?**

Mike Conzemius, DVM, PhD, DACVS, University of Minnesota

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**The First 2 Years of CUE - Is Unicompartmental Elbow Resurfacing Working?**

James Cook, DVM, PhD, DACVS, University of Missouri-Columbia

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**Total Elbow Replacement in Dogs**

Loic Dejardin, DVM, MS, DACVS, Michigan State University

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**Should I Do a Total Knee Replacement or a Tibial Osteotomy?**

Melvyn Pond, BVMS, DACVS

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**Preoperative Total Hip Replacement Difficulty Score**

Antonio Pozzi, DVM, MS, DACVS-SA, University of Florida

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**FARM ANIMAL**

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**FARM ANIMAL – FRIDAY**

**External Skeletal Fixation in Ruminants**

David Anderson, DVM, MS, DACVS, Kansas State University

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**Surgical Management of Septic Arthritis in the Proximal Limb of Ruminants**

Andre Desrochers, DMV, MS, DACVS, University of Montreal

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**Stifle Disorders in Camelpid**

Michael Huber, DVM, MS, DACVS, Oregon State University

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Surgical Management of Dental Disorders in Llamas and Alpacas
Andrew Niehaus, DVM, MS, DACVS-LA, The Ohio State University

FARM ANIMAL – SATURDAY

Advanced Concepts Regarding limb Prosthesis in Ruminants
David Anderson, DVM, MS, DACVS, Kansas State University

Bone Grafting in Ruminants - Indications and Techniques
Sabrina Brounts, DVM, MS, DACVS-LA, University of Wisconsin-Madison

Management of Urinary Obstructions in Small Ruminants
Sabrina Brounts, DVM, MS, DACVS-LA, University of Wisconsin-Madison

Internal Fixation of Fractures in Llamas and Alpacas
Sabrina Brounts, DVM, MS, DACVS-LA, University of Wisconsin-Madison

Surgical Techniques for Limb Amputation in Ruminants
Andre Desrochers, DMV, MS, DACVS, University of Montreal

Rhinostomy and Tracheostomy in Llamas and Alpacas
Michael Huber, DVM, MS, DACVS, Oregon State University

Surgical Management of Disorders of the Sinuses in Cattle
Pierre-Yves Mulon, DMV, DACVS-LA, Hopital Vétérinaire Lachute

Diagnostic and Operative Arthroscopy in Ruminants
Sylvain Nichols, DMV, MS, DACVS-LA, Colorado State University

Upper Respiratory Surgery in Cattle
Sylvain Nichols, DMV, MS, DACVS-LA, Colorado State University

Surgical Management of Scapulohumeral Joint Instability in Llamas and Alpacas
Andrew Niehaus, DVM, MS, DACVS-LA, The Ohio State University