

## ISVMA Post-Convention Virtual CE

These sessions are available to those who attend the ISVMA Convention on a complimentary basis and without CE certificates. For those who would like to take advantage of online CE only, these classes are available with CE certificates for blocks of 7, 14 and 24 hours. In addition, to the classes listed here, the veterinary CE mandates are also available online. Specifically, these classes are the three opioid hours and the sexual harassment prevention training.

### **Small Animal**

**Introduction to Rehabilitative Medicine** - Elle De Ford, MS, PhD, DVM, MCBC, cVMA, TCCC, CCRP

This course provides an overview of the veterinary rehabilitation medicine field, identifying patients that may benefit from rehabilitation medicine, diagnostic and prognostic strategies, treatment services and modalities as well as populations that may benefit from rehabilitation medicine.

**Veterinary Rehabilitation Medicine Myths** - Elle De Ford, MS, PhD, DVM, MCBC, cVMA, TCCC, CCRP

Veterinary rehabilitation medicine is still in its infancy and continues to grow and evolve rapidly. This course will briefly review some of the common myths about veterinary rehabilitation medicine such as:

- Rehabilitation is a last resort
- Rehabilitation is helpful only for physical injuries or palliative care
- Cats make poor rehabilitation patients

**Rehabilitation: Special Patient Populations** - Elle De Ford, MS, PhD, DVM, MCBC, cVMA, TCCC, CCRP

This course reviews some of the special patient populations treated in veterinary rehabilitation. This course emphasizes the value of an individualized approach, as well as understanding a patient's role in their family or working unit to facilitate optimizing efficacy of therapy.

1. Geriatrics
2. Cats

### 3. Service, Sporting/Athlete, Working (SSAW) Dogs

**Prehab** - Elle De Ford, MS, PhD, DVM, MCBC, cVMA, TCCC, CCRP

This course introduces the concepts of pre-rehabilitation (“Prehab”) and the benefits of administering rehabilitation strategies not only pre-surgically, but pre-injury (e.g., conditioning, prophylactic therapies).

**Introduction to Neuro Rehabilitation** - Elle De Ford, MS, PhD, DVM, MCBC, cVMA, TCCC, CCRP

This course reviews pathophysiological aspects of neurotrauma and recovery that help guide rehabilitation strategies

**Lab: Basic Rehab Tools** - Elle De Ford, MS, PhD, DVM, MCBC, cVMA, TCCC, CCRP

This course uses cases to help practice basic diagnostic/prognostic, treatment, monitoring, and effective rehabilitative strategies in general practice.

**Breed Considerations in Anesthesia** – Lesley Smith, DVM, DACVVA (*Akorn*)

This lecture will cover common concerns and complications with dog breeds that may respond differently to your normal anesthetic practices. For example, management of brachycephalic dog breeds will be covered in detail, from pre-medication to recovery. Other breeds that will be discussed are Northern Breeds, Herding Breeds, King Charles’ Cavalier dogs, Sighthounds, German Shepherds. Questions are encouraged!

**Update on Anesthetic Induction Techniques** – Lesley Smith, DVM, DACVVA (*Akorn*)

This lecture will focus on the new-er induction drug Alfaxalone and its clinical use and properties. We will also focus on propofol, ketamine-benzodiazepine induction protocols and when to use which and why. A clinically focused approach will be discussed as to which patients may be best suited for certain induction protocols.

**Cats are Hard!** – Lesley Smith, DVM, DACVVA (*Akorn*)

This lecture will focus on the unique aspects of the challenging, but healthy, feline anesthesia patient. From pre-medication to induction to anesthetic maintenance to recovery, they are challenging. Questions are encouraged!

**Case Studies** - – Lesley Smith, DVM, DACVVA (*Akorn*)

This will be an interactive case discussion of how to manage a canine (or feline) patient from presentation at your clinic door [or before] to sedation, induction, maintenance, and recovery from anesthesia. Questions or challenging cases for discussion are encouraged!

**Thoracic and Abdominal Radiographs** Mark Howes, DVM, DACVR (*Universal Imaging*)

These first 2 case-based lectures will simplify the interpretation process and exam the criteria for reading various radiographs. These lectures will incorporate tips that can be used on a daily basis. The cases will include thoracic radiographs (including the heart, lungs, mediastinum and thoracic wall) and abdominal radiographs. Lung patterns will be reviewed, with emphasis on prioritization of the differential diagnostic list and next diagnostic steps. Included in these cases will be some unusual or newly described conditions.

**Thoracic and Abdominal Radiographs – Continued** Mark Howes, DVM, DACVR (*Universal Imaging*)

**A Focused Look at Ultrasound** Mark Howes, DVM, DACVR (*Universal Imaging*)

The right side of the abdomen will be examined with the ultrasound. There is a lot of information tucked under the right costal arches. Tips and tricks to examine this very important region will be discussed. We'll also touch on what to do when we find something. (Hint: it involves a needle)

**Touching on Advanced Cross-Sectional Imaging and How it Related to the General Practitioner** - Mark Howes, DVM, DACVR (*Universal Imaging*)

The use of CT/MRI is increasing for good reason. Better technology and more accurate differentials can make decisions (especially pre-operatively) easier for everybody involved. The question when to radiograph versus when to use CT/MRI will be answered. The natural follow up question will also be addressed: When do we use CT versus MRI?

**8:00 am – 8:50 am How Do We Power? Uncovering Purpose, Character Strengths, and High-Quality Connections to Boost Veterinary Team Wellbeing and Culture** – Phillip Richmond, DVM, CAPP, CCFP, CRT (*Boehringer Ingelheim*)

We all want a great, cohesive team, but where do we start? A simple definition of workplace culture is whatever people learn from other people, especially by interacting with them. By knowing our purpose and our strengths and by creating a sense of community, belonging, and vulnerability, we can begin to craft a workplace where we thrive. This can, in turn, lead to psychological safety, which Google recently showed to be the number 1 predictor of successful teams. Learning Objectives: 1. Define purpose, calling mindset, and the concept of ikigai. 2. Assess character strengths, discovering our signature strengths. 3. Take the VIA Character Strengths assessment. 4. Learn the importance of strengths work to wellbeing and performance. 5. Learn the importance of vulnerability. 6. Understand what is meant by “psychological safety.” 7. Learn the importance of high-quality connections (HQCs).

**9:00 am – 9:50 am How Do We Power? Uncovering Purpose, Character Strengths, and High-Quality Connections to Boost Veterinary Team Wellbeing and Culture** – Phillip Richmond, DVM, CAPP, CCFP, CRT (*Boehringer Ingelheim*)

**10:30 am – 11:20 am The ABCs and Ds of Mitral Valve Disease and Congestive Heart Failure – Simplified Diagnosis and Staging of Your Real-World Patients** - Anna McManamey, DVM (*Ceva*)

Mitral valve disease (MVD) MVD is far and away the most common heart condition seen in our canine patients. This presentation will help DVMs diagnose and stage MVD and then understand and appreciate when a dog with MVD is progressing, or has advanced into full blown CHF. Building a solid foundation in diagnosis and staging MVD and CHF is critical to implementing an optimal treatment plan.

**1:00 pm – 1:50 pm Get More with 4 – The ACVIM Consensus Statement on Treating MVD and CHF and What’s Best?** - Anna McManamey, DVM (*Ceva*)

The ACVIM first published a consensus statement on MVD and CHF in 2009. With new data and studies available, a team of veterinary cardiologists updated this statement in 2019. This presentation examines this updated and highly useful framework for managing MVD and CHF, particularly in regard to treatment recommendations and the rationale behind them. We all want what's best for our patients, and since the 2019 revision of the ACVIM consensus statement there have been even more studies and data to share. This new information and its practical meaning and application will also be discussed.

**2:00 pm – 2:50 pm Feline Cardiology Pearls** - Anna McManamey, DVM (*Ceva*)

Cats offer opportunity and challenge for owners and veterinary teams alike. This is certainly true when it comes to feline heart disease. This practically-focused presentation will highlight

the major cardiologic conditions of cats and offer guidance on what veterinarians can do today to maximize outcomes for their feline patients and their caregivers.

## **Large Animal**

**Amnion Derived Growth Factors** - Scott McClure, DVM, PhD, DACVS, DACVSMR (*Hilltop Biosciences*)

The value of naturally occurring growth factors to stimulate healing in horses has been recognized. We will discuss what this actually is and how to use them in equine practice.

**Less Commonly Used Joint Therapies** - Scott McClure, DVM, PhD, DACVS, DACVSMR (*Hilltop Biosciences*)

Two examples are Pentosan and Stanozolol. These drugs have been shown to be valuable therapeutics for some applications. The lecture will provide some background and applications for each.

**Update on Shockwave Therapy** - Scott McClure, DVM, PhD, DACVS, DACVSMR (*Hilltop Biosciences*)

We have been using shockwave therapy for more than 25 years. The knowledge of the mechanisms has expanded. The applications have changed some, but it remains a valuable therapeutic device. We will discuss some of the more common applications at this time.

**Polyacrylamide Hydrogels for Intra-Articular Therapy** - Scott McClure, DVM, PhD, DACVS, DACVSMR (*Hilltop Biosciences*)

This is a relatively new therapy that is not well understood. We will discuss what polyacrylamide hydrogels are and when and how to use them.

## **Technician**

**Blood Smear Basics: From Preparation to Evaluation** – Michael Rosser, DVM, DACVP, MS (*Banfield*)

Is blood smear preparation a point of frustration in your practice? This session will include helpful tips on preparing diagnostic quality smears and help you develop an organized approach to microscopic blood smear evaluation. Tips on how to identify and quantify morphologic changes to erythrocytes, leukocytes, and platelets will also be provided.

**A Hitchhiker's Guide to the Bloodstream: Hemoparasite Identification and Differentiation** - Michael Rosser, DVM, DACVP, MS (*Banfield*)

Is it an artifact or an organism? This session will highlight *Ehrlichia*, *Mycoplasma*, *Babesia*, heartworms, and more! Case examples for small animal, large animal, and avian/reptilian species will be included, as well as common foils for infectious organisms and tips for differentiation.

**Urine for a Treat! Evaluation of the Urine Sediment** - Michael Rosser, DVM, DACVP, MS  
(*Banfield*)

This image-based presentation will provide a review of urine sediment cytology across veterinary species. Learn to identify and quantify casts, crystals, cells, and more! Mini-case presentations will be included to highlight how these findings can provide an important piece of the diagnostic puzzle.

**Getting the Most Out of Your FNA Cytology Samples** - Michael Rosser, DVM, DACVP, MS  
(*Banfield*)

Fine needle aspirate cytology is a useful and minimally invasive diagnostic tool, but results can often be limited by sample quality or sample submission errors. This session will include helpful tips on obtaining a diagnostic quality sample, including basic aspiration and slide preparation techniques. Learn how to screen samples prior to submission to a reference laboratory, determine sample cellularity, and differentiate inflammatory from neoplastic lesions. Guidance on providing effective patient history and lesion descriptions for submission forms will also be provided.

**Special Interest**

**Ouch! Managing Pain and Inflammation in Exotic Pets** – Mark Mitchell, DVM, MS, PhD, DECZM  
(*ARAV*)

Managing pain in a patient is key to speeding recovery time and having success with a case. Because of the diversity of exotic species, there is limited evidence-based data available defining the specific methods for controlling pain and inflammation in these animals. The purpose of this presentation is to provide a review of the evidence available for managing pain and inflammation in birds, reptiles, and exotic small mammals.

**Bon Appetit! Nutritional Considerations for Exotic Pets** – Mark Mitchell, DVM, MS, PhD, DECZM  
(*Michor*)

Success with our captive exotic patients starts with a sound nutritional base. The purpose of this presentation is to review the diets of exotics species and provide a review of the available evidence for how to provide “best nutritional practices” for these species. A review of specific nutritional diseases will also be covered.

**Viruses, Bacteria, and Fungi, Oh My! Common Infectious Diseases of Reptiles** – Mark Mitchell, DVM, MS, PhD, DECZM (*Michor*)

As our diagnostic methods improve, so does our ability to diagnose infectious diseases in reptiles. The purpose of this presentation is to review the common and emerging infectious diseases encountered in captive reptiles. A review of the methods for diagnosing and treating these diseases will be covered.

**Enter the Sandman: Anesthetic Considerations for Exotic Pets** – Mark Mitchell, DVM, MS, PhD, DECZM (*Michor*)

Anesthesia remains a challenge for those of us working with exotic species. The diversity of exotic species being presented, as well as a general lack of evidence-based research, requires us to think outside the box on how we can best manage these cases for diagnostic and surgical procedures. The purpose of this presentation is to review common methods for sedating and anesthetizing exotic species to help veterinarians become more comfortable working with these species.

**Crash! Critical Care Management of Exotic Pets** – Mark Mitchell, DVM, MS, PhD, DECZM (*Michor*)

Exotic pets pose many challenges, but none greater than the critical case. Limited evidence-based data on the physiology of these animals, as well as limited studies on therapeutics, can leave us a bit overwhelmed. The purpose of this presentation is to provide summaries of different emergency plans for managing the different types of critical exotic pet cases that present to veterinary hospitals.

**What is Your Diagnosis? Interactive exotic pet cases** – Mark Mitchell, DVM, MS, PhD, DECZM (*Michor*)

Exotic pet cases can be quite challenging to manage. However, by following and applying the same hypothetico-deductive reasoning we learned to manage domestic species cases, we can have success with these cases. The purpose of this interactive presentation is to share different exotic pet cases and work with the attendees to determine best practices for diagnosing and treating these cases.

### **My Approach to Respiratory Distress – Caroline Tonozzi, DVM, DACVECC**

Respiratory distress is a common presentation to small animal emergency practice, as well as primary care. The “fragile” nature of these patients can be intimidating to both ER and primary care veterinarians alike. Luckily, the basic approach to these patients is similar. In this lecture, I will walk you through how to approach these patients in practice, as well as review diagnostic and therapeutic

### **Urinary Emergencies in Dogs and Cats – Caroline Tonozzi, DVM, DACVECC**

Emergencies involving the urinary tract are common in small animal practice with potential to become life threatening quickly. We will review common diseases in dogs and cats including urinary obstruction, uroabdomen and traumatic injuries to the urinary tract. We will have a chance to review diagnostic approach including bloodwork, point of care ultrasound, urinalysis, and advanced imaging. We will also review treatment interventions in the urgent or critically ill patient such as how to devise a fluid therapy plan, options for urinary diversion, analgesia, and surgical intervention.

### **Wounds, Bandages and Drains– Caroline Tonozzi, DVM, DACVECC**

Wounds may vary amongst your small animal patients. It may one day be a simple laceration to another with multiple bite wounds with evidence of necrosis and infection. Understanding the approach to wounds will assist the clinician in providing a timeline for owners for their pet’s wound care and management. We will review initial wound assessment, debridement, decision for primary closure vs open wound management, different bandaging techniques, and the use of drains.

### **Enteral Nutrition and Feeding Tube Placement – Caroline Tonozzi, DVM, DACVECC**

Sick or injured patients often do not eat readily in the hospital or when recovering at home. Lack of nutrition can slow healing, negatively impact a patient’s immunity, and even diminish a patient’s overall prognosis. In this lecture, we will review the pathophysiology of malnutrition and stressed starvation, and options for assisted feeding devices to use in the critically ill patient. The attendee should come away with a general understanding of the different feeding tubes available for canine and feline patients as well as placement techniques, complications, and how to devise a feeding plan for our patients both in hospital and at home.

### **Blood Component Therapy and Transfusions in the Small Patient– Caroline Tonozzi, DVM, DACVECC**

There are many instances for using blood products in the emergent or critically ill small animal patient such as hemoabomen, immune mediated hemolytic anemia, anticoagulant rodenticide ingestion, and trauma. Often a clinician needs to devise a fluid therapy plan that includes transfusion of a specific blood product. It is important to understand the different options available for these patients and the criteria used to choose these products in practice. We will review the difference between autologous vs allogenic transfusion, and techniques for autotransfusion in the emergent patient. We will discuss administration of the different blood products, including monitoring, complications, and goals for the patient.

### **Practice Management**

#### **Current Trends in Veterinary Medicine that You Don't Want to Embrace, But Really, Really Should** – Scott Huggins, DVM, MBA (*Trupanion & Blue Herron Consulting*)

How do Veterinary professionals address the current and expected trends in veterinary medicine in a post-COVID environment? Veterinarians and their staff will then be given specific suggestions on how to effectively meet the changing demands and needs of their clients.

#### **Current Trends in Veterinary Medicine that You Don't Want to Embrace, But Really, Really Should** – Scott Huggins, DVM, MBA (*Trupanion & Blue Herron Consulting*) – Continued

#### **Short Staffed? The Art of Investing in the Team You Have** – Anita Dennison, DVM & Kelli Sue Kerwin, CVPM (*Trupanion & Blue Herron Consulting*)

In an increasingly competitive veterinary climate, participants will learn how to create an organization that outperforms its competitors through leveraging team potential and aligning operations around a common set of ideals.

#### **Short Staffed? The Art of Investing in the Team You Have** – Anita Dennison, DVM & Kelli Sue Kerwin, CVPM (*Trupanion & Blue Herron Consulting*) – Continued

#### **Practice Finance: What Story do You Want Your Numbers to Tell**– Anita Dennison, DVM & Kelli Sue Kerwin, CVPM (*Trupanion & Blue Herron Consulting*)

Dive into the financial components of practice management in this interactive session by learning to interpret profit and loss statements, understand revenue centers and expense

categories, and explore strategies to improve these, and other, key performance indicators all with a focus on the relationship between good medicine and good business.

**Practice Finance: What Story do You Want Your Numbers to Tell? Have** – Anita Dennison, DVM & Kelli Sue Kerwin, CVPM (*Trupanion & Blue Herron Consulting*) - Continued