



## 2022 AKVMA Symposium Agenda Speaker Information Presentation Abstracts

AKVMA is seeking approval from the Alaska Board of Veterinary Examiners for 20 hours of CE. Three CEs of the agenda are RACE approved.

Friday, Oct. 7	Title of Presentations and Statement of Course Intent	Speaker Information and Disclosure Statement	Course Outline
<p><b>5 – 6pm</b></p> <p><b>(1 hr. CE requested)</b></p> <p><b>General Session for DVM/VMDs and VTs</b></p>	<p><b>State and Federal Updates</b></p>	<p><a href="#">Robert Gerlach, VMD</a></p> <p><b>Conflict of Interest: None</b></p> <p><a href="#">Louisa Castrodale, DVM, MPH</a></p> <p><b>Conflict of Interest: None</b></p> <p><a href="#">Jodie Jones, DVM, MPH, DACVPM</a></p> <p><b>Conflict of Interest: None</b></p>	<p>Presentation will cover:</p> <ul style="list-style-type: none"> <li>- Background on Avian and Swine Influenza viruses, genetics, mechanisms of spread, diagnosis, mitigation/biosecurity, public health impacts/risk</li> <li>- Influenza Surveillance - State and Federal surveillance programs wild birds and domestic poultry (State program investigating morbidity/mortality events, over 500 samples collected across the state/ 75 detections so far; USDA Wildlife Services goal of 3,000 samples)</li> <li>- Monkey pox outbreak and zoonotic potential.</li> <li>- SARS CoV-2 briefing and zoonotic risks.</li> <li>- Confidential of animal records state regulation update effective 2022</li> <li>- Animal Disease outbreak response plans and animal disease traceability in epidemiologic investigations.</li> <li>- Rabies and Distemper outbreaks in Alaska.</li> <li>- Alaska’s One Health Approach</li> </ul> <p>Presentation will cover continuing efforts in combating African Swine Fever (ASF), a national overview of the Highly pathogenic avian influenza response, the availability of VEHCS to veterinarians, and the launch of the USDA APHIS One Health website and SARS-COV-2 in animals.</p>
<p><b>7:05 – 8:05pm</b></p> <p><b>(1 hr. CE requested)</b></p> <p><b>General Session for DVMs and VTs</b></p>	<p><b>Immunotherapy in Practice</b></p> <p>RACE Approved for 1 CE Hour RACE provider: 31587 COURSE: 894842</p>	<p><a href="#">Chelsea Greenberg, DVM, MS, DACVIM (oncology)</a></p> <p><b>Conflict of Interest:</b> She works for Torigen Pharmaceuticals.</p>	<p>Objectives:</p> <ol style="list-style-type: none"> <li>1. Review of cancer-specific immunology</li> <li>2. Application of using the immune system against cancer</li> <li>3. Benefits to autologous cancer vaccine as well as applications for use</li> </ol>

<p><b>8:10 – 9:10pm</b> <b>(1 hr. CE requested)</b></p> <p><b>General Session for DVMs and VTs</b></p>	<p><b>Nutritional Modulation of the Microbiome</b></p> <p>RACE Approved for 1 CE Hour RACE provider: 50-26467 COURSE: 20-847697</p>	<p><b>Jonathan Miller, DVM</b></p> <p>Dr. Jonathan Miller is a professional consulting veterinarian with Hills Pet Nutrition and a preclinical nutrition instructor at Oregon State College of Vet Med. He currently works to provide education and support to the veterinary community on nutritional treatments for a broad range of conditions for companion animals. He spent his years before Hills working in private practice and with the US Fish and Wildlife Service.</p> <p><b>Conflict of Interest: Works with Hill's Pet Nutrition</b></p>	<p>Nutritional Modulation of the GI Microbiome</p> <p>-Advances in understanding the microbiome and how influencing the population of microorganisms can impact overall health and the treatment of GI conditions and beyond.</p>
<p><b>Saturday, Oct. 9</b></p>	<p><b>Statement of Course Intent</b></p>	<p><b>Speaker Information and Disclosure Statement</b></p>	<p><b>Course Outline</b></p>
<p><b>8:10-9:50am</b> <b>(2 hrs. CE)</b></p> <p><b>10:20 - Noon</b> <b>(2 hrs. CE)</b></p> <p>The session is all morning with a break from 9:50 – 10:20</p> <p><b>DVM Session</b></p>	<p><b>Practical Management of Hyperadrenocorticism</b></p> <p><b>Managing Respiratory Diseases in Dogs and Cats (Cases)</b></p>	<p><b>Caroline Landry, DVM, DACVIM (SAIM)</b></p> <p><b>Conflict of Interest: None</b></p>	<p><b>Practical Management of Hyperadrenocorticism</b></p> <p>Hyperadrenocorticism can appear intimidating to general practitioners and a great understanding of this condition can facilitate its management in everyday practice. Therefore, this presentation will review usual and unusual clinical presentations of Cushing disease in dogs as well as all its complications. It will cover the most appropriate diagnostic approach and therapy for different forms of the disease as well as the follow-up of these patients and management of their complications. This session will also briefly review hyperadrenocorticism in cats.</p> <p><b>Managing Respiratory Diseases in Dogs and Cats (Cases)</b></p> <p>Respiratory diseases are commonly encountered in the daily life of all general practitioners and can present a challenge, especially when the patients do not respond to traditional therapy. In this case-based presentation, the participants will review and learn about clinical disease manifestations, diagnosis, differentials, short term and long-term treatment of respiratory conditions such as tracheal collapse, pneumonia, chronic bronchitis, feline asthma, and other more unusual diseases. The talk will focus on a practical approach to these cases with as many updates as possible from the current literature.</p>
<p><b>8:10-9:50am</b> <b>(2 hrs. CE)</b></p> <p><b>10:20 - Noon</b> <b>(2 hrs. CE)</b></p> <p><b>Presentation is all morning with</b></p>	<p><b>What Does This Drug Do? Anesthesia/Analgesia</b></p> <p><b>Fix Em! Anesthetic Complications and Complicated Patients</b></p>	<p><b>Tammy Grubb, DVM, PhD, DACVAA</b></p> <p><b>Conflict of Interest: None</b></p>	<p><b>What Does This Drug Do? Anesthesia/Analgesia Drug Deep Dive</b></p> <p>In this session we will review what we know, what we think we know and what we should know regarding anesthesia, analgesia and support drugs.</p> <p>Objectives:</p>

<p>break from 9:50 – 10:20</p> <p><b>Audience: VTs</b></p>			<p>At the end of the session the attendees will be able to:</p> <ol style="list-style-type: none"> <li>1. Review the mechanisms of action, effects and adverse effects of anesthesia and analgesia drugs</li> <li>2. Debunk a number of drug myths</li> <li>3. Use their knowledge to develop safe and effective anesthesia &amp; analgesia protocols</li> </ol> <p><b>Fix Em! Anesthetic Complications and Complicated Patients</b></p> <p>Anesthetic emergencies are BAD. The good news is they usually start out as complications that we can fix before they become emergencies. In this session we will discuss the patients at highest risk for complications, along with the most common anesthetic complications, how to prevent them and how to fix them if they occur.</p> <p>At the end of the session the attendees will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify patients at risk for developing anesthetic complications.</li> <li>2. Understand the most common anesthetic complications.</li> <li>3. Develop prevention/treatment plans for anesthetic complications.</li> </ol>
<p>1:30 – 3:10pm (2 hrs. CE) 3:40 – 5:20pm (2 hrs. CE)</p> <p><b>Audience: DVMs</b> Presentation is all afternoon with break from 3:10 – 3:40pm</p>	<p><b>First do no harm: Anesthetizing the Difficult Patient</b></p> <p><b>My Favorite Local Blocks</b></p> <p><b>Suffering Not Allowed: Treatment of Chronic Pain</b></p>	<p><a href="#">Tammy Grubb, DVM, PhD, DACVAA</a></p> <p><b>Conflict of Interest: None</b></p>	<p><b>First do no harm: Anesthetizing the Difficult Patient</b></p> <p>Patients with advanced disease often require anesthesia but, unfortunately, anesthetic drugs and the impact of pain, blood loss, etc... can exacerbate the patient’s disease. In this case-based session we will explore a variety of comorbidities and their impact on anesthetic choices. At the end of this session the attendee will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand the impact of pain on comorbidities.</li> <li>2. Understand the critical role of appropriate physiologic monitoring and support.</li> <li>3. Develop anesthetic and analgesic protocols with an understanding on the underlying pathology of the disease and the impact of anesthesia on the patient’s condition.</li> </ol> <p><b>My Favorite Local Blocks</b></p> <p>Local anesthetics are among the most powerful analgesic drugs available. In this session we will discuss the practical use of local anesthetics and describe, using videos, the most commonly used blocks. At the end of this session the attendee will be able to:</p>

			<ol style="list-style-type: none"> <li>1. Understand the importance of using local anesthetics.</li> <li>2. Routinely utilize local anesthetic blocks.</li> <li>3. Incorporate new blocks into their repertoire.</li> </ol> <p><b>Suffering Not Allowed: Treatment of Chronic Pain</b> Chronic pain is not just long duration acute pain but is pathologic pain that causes suffering and, unfortunately can be hard to treat. In this case-based discussion we will discuss current and future treatments of chronic pain with a focus on what is new. At the end of this session the attendee will be able to:</p> <ol style="list-style-type: none"> <li>1. Utilize tools to aid pet owners in recognizing chronic pain.</li> <li>2. Develop chronic pain treatment protocols with existing options.</li> <li>3. Prepare for new chronic pain treatments that will be available soon.</li> </ol>
<p><b>1:30 – 3:30pm</b> (2 hrs. CE) <b>4 – 5pm</b> (1 hr. CE)</p> <p>Audience: DVMs</p>	<p><u>Federal Accreditation Modules</u></p> <p>Module 2: Role of Agencies (State, Federal, International) and Health Certificates</p> <p>Module 4: Preventing Disease Introduction and Spread</p> <p>Module 18: Avian Influenza (AI) and Newcastle Disease (ND)</p>	<p><a href="#">Jodie Jones, DVM, MPH, DACVPM</a></p> <p>Conflict of Interest: None</p>	<p><u>Module 2 Overview</u></p> <p><u>Module 4 Overview</u></p> <p><u>Module 18 Overview</u></p>
<p><b>1:30 – 3:10pm</b> (2 hrs. CE)</p> <p>Audience: VTs</p>	<p>Diabetes Mellitus: What the Veterinary Technician Should Know and Manage</p>	<p><a href="#">Caroline Landry, DVM, DACVIM (SAIM)</a></p> <p>Conflict of Interest: None</p>	<p><b>Diabetes Mellitus: What the Veterinary Technician should Know and Manage</b> The Veterinary Technician plays a crucial role in the long-term management of canine and feline diabetic patients (insulin administration, diet, monitoring, rechecks, etc.). They can become a real partner in the care of the patient and help perfect the treatment of a difficult disease to regulate and treat properly at home. This session will go over all aspects of the disease where the technician can help play an essential role in improving compliance, detecting concomitant conditions or complications in its early stages, etc.</p>
<p><b>3:40 – 5:20pm</b> (2 hrs. CE)</p> <p>Audience: VTs</p>	<p>Blood Pressure: The Forgotten Essential Diagnostic Test</p> <p>Parvovirus: Do You Really Know Everything About it?</p>	<p><a href="#">Caroline Landry, DVM, DACVIM (SAIM)</a></p> <p>Conflict of Interest: None</p>	<p><b>Blood Pressure: the Forgotten Essential Diagnostic Test</b> Blood pressure is often overlooked in veterinary medicine. Not only are measurements often unreliable due to inappropriate methods/techniques, but it is also often forgotten in crucial situations and diseases. From emergency situations (such as Addisonian crisis or Shock Patients) to chronic internal medicine diseases such as hyperthyroidism, chronic kidney disease or hyperadrenocorticism, blood pressure is often forgotten leading to disastrous consequences. This talk will</p>

			<p>review how to obtain reliable blood pressure measurements, when to run it and how to utilize it clinically. We will also review the different drugs that can be utilized to control hypertension in dogs and cats.</p> <p><b>Parvovirus: Do You Really Know Everything About It?</b></p> <p>Despite being well known by the public, parvovirus remains misunderstood by many. This thorough review of the virus will cover its biology, clinical disease manifestations, diagnosis, prognosis, treatment as well as prevention. This presentation's goal is to improve one's understanding of the disease in order to establish better communication and expectations with clients regarding vaccination, treatment and chances of survival. This session will also help prompt diagnosis and prevention of the spread of the disease inside a medical facility and at home.</p>
<b>Sun., Oct. 10</b>	<b>Statement of Course Intent</b>	<b>Speaker Information and Disclosure Statement</b>	<b>Course Outline</b>
<p><b>7 – 8am</b> <b>(1 hr. CE)</b></p> <p><b>Audience:</b> <b>DVMs and VTs</b></p>	<p><b>Nutritional Management of Myxomatous Mitral Valve Disease in Dogs</b></p> <p><b>RACE APPROVED For 1 CE</b> <b>Program #26365-891861</b></p>	<p><u><a href="#">Avi Shaprut, DVM</a></u></p> <p>Conflict of Interest: He works for Nestle Purina PetCare as Veterinary Communications Manager.</p>	<b>Proceedings</b>
<p><b>8:10-9:50am</b> <b>(2 hrs. CE)</b></p> <p><b>Audience: DVMs</b></p>	<p><b>Respiratory Emergencies and Stabilization</b></p> <p><b>Cardiac Emergencies and Management</b></p>	<p><u><a href="#">Andy Carver, DVM, DACVECC</a></u></p> <p>Conflict of Interest: None</p>	<p><b>Respiratory Emergencies and Stabilization</b></p> <p>This hour I will discuss the evaluation and management of respiratory emergencies in dogs and cats. I will review localizing airway disorders to help identifying upper vs lower airway vs pleural space disease. There will be discussion on practical diagnostics and those that are especially helpful in the emergency setting, such as point of care ultrasound. There will be heavy focus on safe ways to evaluate, sedate, and stabilize emergency cases even before a diagnosis is made as well as specific case examples that highlight treatments, various methods of oxygen administration, and common medications used.</p> <p><b>Cardiac Emergencies and Management</b></p> <p>In this talk we will discuss cardiac emergency management in dogs and cats. There will be a focus on differentiating cardiogenic vs primary respiratory disease causes of dyspnea. We will discuss practical and safe ways to evaluate patients in respiratory distress, including point of care ultrasound, along with safe sedation methods for cardiac patients. There will be some case examples of identifying and treating congestive heart failure, that also include identifying</p>

<p>10:20am - Noon (2 hrs. CE) Audience: DVMs</p>	<p>Common ER Intoxications Endocrine Emergencies and Management</p>	<p><a href="#">Andy Carver, DVM, DACVECC</a> Conflict of Interest: None</p>	<p>common cardiac arrhythmias and emergency treatment of such arrhythmias. We will also cover the ACVIM consensus guidelines on heart disease staging and management in dogs.</p> <p><b>Common ER Intoxications</b> I will provide a critical care specialists perspective on appropriate management of common intoxications in dogs and cats. We will discuss appropriate GI decontamination measures, common stabilization methods used in severe toxicity cases, as well as provide case examples of managing the most common intoxications that I see in my own emergency room. I will also discuss an overview of extracorporeal blood purification (hemodialysis and plasmapheresis) that can be utilized in certain life-threatening toxin cases as these modalities are becoming more available.</p> <p><b>Endocrine Emergencies and Management</b> Endocrine disease can present in a variety of ways and can often be confusing. There are a few common endocrine illnesses in dogs and cats that can lead to specific syndromes where the pet is truly urgent and critically ill. We briefly cover the pathophysiology of DKA and hyperglycemic hyperosmolar syndrome and the management options for these conditions. Various other endocrine disorders will be covered and mainly from a recognition, diagnosis, and treatment from a criticalist's perspective.</p>
<p>8:10 – 9:50am (2 hrs. CE) Audience: VTs</p>	<p>Art of Triage and Trauma Care Blood Transfusion Management</p>	<p><a href="#">Pimplo Jong Carver, DVM</a> Conflict of Interest: None</p>	<p><b>Art of Triage and Trauma Care</b> – We will go over case examples to discuss various physical exam findings that aid in patient triage. We will also discuss specific triage and management of trauma patients.</p> <p><b>Blood Transfusion Management</b> – We will discuss indicators for transfusion, types of blood products and case selection for these products, transfusion monitoring, and complications associated with transfusions.</p>
<p>10:20am - Noon (2 hrs. CE) Audience: VTs</p>	<p>Tubes and Tubes Management Pediatric/Neonate Emergencies</p>	<p><a href="#">Pimplo Jong Carver, DVM</a> Conflict of Interest: None</p>	<p><b>Tubes and Tube Management</b> – In this section we will discuss various types of feeding tubes, chest tubes, urinary catheters, central lines, peripheral catheters, and airway tubes. We will go over case selection, placement, and management of the various types of medical tubes.</p> <p><b>Pediatric/Neonate Emergencies</b> – In this section we will discuss how to resuscitate neonates, common emergencies and</p>

			treatments like sepsis, hypoglycemia. We will also cover neonatal pharmacology.
<p><b>1:30 – 3:10pm</b> (2 hrs. CE Requested)</p> <p>Audience: DVMs</p>	<p><b>Pulmonary Hypertension followed by Case Studies</b></p>	<p><a href="#">Dawn Webber, DVM, DACVIM (Cardiology)</a></p> <p><b>Conflict of Interest: None</b></p>	<p>To review the ACVIM Consensus Statement (Published in March 2020) on Guidelines for the diagnosis, classification, treatment, and monitoring of pulmonary hypertension in dogs followed by case studies for discussion.</p> <p><a href="#">Outline of Presentation</a></p>
<p><b>1:30 – 3:10pm</b> (2 hrs. CE Requested)</p> <p>Audience: VTs</p>	<p><b>Critical Anesthesia</b> <b>CPR and RECOVER Guidelines</b></p>	<p><a href="#">Pimploy Jong Carver, DVM</a> <a href="#">Andy Carver, DVM, DACVECC</a></p> <p><b>Conflict of Interest: None</b></p>	<p><b>Critical Anesthesia</b> We all know that anesthesia can seem mundane and boring in stable elective cases. However, it can quickly become complex and intense when you are presented with a critically ill pet that requires anesthesia. We will provide the perspectives of a criticalist and an experienced emergency clinician regarding understanding the patient’s underlying condition, ways to optimize perfusion and cardiac output, knowledge of the common anesthetic and analgesic drugs used and how they impact your patient, and more. We can provide case examples of how we take all this into consideration when presented with an unstable anesthetic case.</p> <p><b>CPR and RECOVER Guidelines</b> In this talk we will discuss applying CPR to dogs and cats. We will cover the established RECOVER guidelines, which are evidence-based recommendations for CPR in small animals. We will help you understand both basic life support (BLS) and advanced life support (ALS) and how they are applied in CPR. We will also provide tips on how you can improve your CPR technique and how you can help your team provide more effective CPR as successful CPR requires a well-trained team at your hospital.</p>
<p><b>3:30 – 5:10pm</b> (2 hrs. CE Requested)</p> <p>Audience: DVMs</p>	<p><b>The Art of Euthanasia</b></p>	<p><a href="#">Dani McVety, DVM</a></p>	<p>Description: The euthanasia appointment is unparalleled in emotion and sentiment. There are few things in veterinary medicine, or life moreover, that require as many outward displays of empathy, compassion, and commiseration from a doctor. The tone of voice, delivery of words, bedside manner with both patient and client, and the medical procedure itself become a delicate dance around death that doctor and staff should carefully choreograph and continually improve.</p>

			<p>Learning Objectives:</p> <ul style="list-style-type: none"> <li>• Understand the importance of non-verbal communication</li> <li>• Grasp specific examples on how to improve your non-verbal communication in the exam room during a euthanasia</li> <li>• Understand various methods of handling clients before, during, and after the euthanasia appointment</li> <li>• Recognize specific ways to improve in-hospital euthanasia</li> <li>• Learn specific words and phrases to use with clients to ease the process</li> <li>• Understand the importance of euthanasia with regards to client satisfaction and retention</li> </ul>
<p><b>4:25 – 5:15pm</b> <b>(2 hrs. CE Requested)</b></p> <p><b>Audience: VTs</b></p>	<p><b>Anemia in Dogs and Cats: Have You Gotten the Most Out of Your Assessment?</b></p>	<p><a href="#"><u>Caroline Landry, DVM, DACVIM (SAIM)</u></a></p> <p><b>Conflict of Interest: None</b></p>	<p><b>Anemia in Dogs and Cats: Have You Gotten the Most Out of Your Assessment?</b></p> <p>Anemia is commonly found in canine and feline patients, leaving many unsure of its origin and where to look for answers. The veterinary technician is an essential asset in providing crucial information that can lead the clinician to a faster diagnosis. From thorough medical and general history to patient physical examination and close understanding of blood work results, the veterinary technician can become an active team member in the work up of challenging cases. This presentation will help deepen one's knowledge about all different conditions that can lead to anemia and will explore all the tools available in general practice to better assess it and try to establish its origin.</p>