ACVIM American College of Veterinary Internal Medicine | ADVANCED CONTINUING EDUCATION

Bridging ECC and Internal Medicine: Advanced Knowledge for Urgent Patient Care
On Demand

Agenda		
Session Duration	**Topic**	**Presenter(s)**
60 minutes	Triaging Respiratory Emergencies • Provide rapid assessment and sedation of the respiratory small animal patient. • Understand clinical features of respiratory distress and interpret ancillary diagnostic testing to support clinical intervention. • Select appropriate oxygen support modalities and assess response to therapy. • Recognize the need for advanced oxygen support – high flow oxygen therapy / mechanical ventilation.	*Dr. Alexa Bersenas*
60 minutes	High Flow Nasal Oxygenation- State of the Art • Explain the underlying mechanisms of action for HFNC when used as a respiratory support modality, based on current evidence. • Describe the advantages & disadvantages of HFNC versus traditional supplemental oxygen, non-invasive and invasive ventilation. • Create the settings for HFNC initiation in a new patient and communicate the risks with an appropriate level of concern.	*Dr. Tiffany Jagodich*
60 minutes	Pleural Space and Lung Ultrasound Beyond Free Fluid and the Glide Sign • Describe the sonographic findings that define the lung point and abnormal curtain signs, and what they indicate. • List the difference between B-lines and tissue like patterns. • Describe the 4 common sonographic tissue-like patterns identified using lung ultrasound and explain what they indicate.	*Dr. Søren Boysen* *Dr. Serge Chalhoub*
60 minutes	Panel: Pearls of Wisdom- Respiratory Emergencies • Critically evaluate diagnostic and therapeutic strategies for managing small animal patients with acute respiratory compromise, including when to escalate interventions such as advanced oxygen therapy or interventional procedures. • Integrate evidence-based “pearls” from case experience into individualized treatment plans for dogs and cats with diverse respiratory emergencies, improving patient stabilization and clinical outcomes.	*Dr. Alexa Bersenas* *Dr. Tiffany Jagodich* *Dr. Søren Boysen* *Dr. Serge Chalhoub* *Moderator:* *Dr. Amber Graham*

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Agenda (cont.)		
Session Duration	**Topic**	**Presenter(s)**
60 minutes	Fluid Resuscitation of Shock Syndromes • Differentiate compensated and decompensated states of shock, and classify shock syndromes based on clinical presentation, diagnostic findings, and pathophysiologic mechanisms. • Formulate patient-specific fluid resuscitation plans by integrating shock classification with current consensus guidelines on fluid selection, dosing, and administration. • Evaluate response to fluid therapy using static and dynamic monitoring tools, assess fluid responsiveness, and apply strategies to prevent fluid overload.	*Dr. Xiu Ting Yiew*
60 minutes	Don't Be Shocked: Rational Use of Vasopressors and Inotropes for the Treatment of Vasodilatory Shock • Understand the pathophysiology of vasodilatory shock, including the mechanisms causing decreased systemic vascular resistance and cardiac contractility. • Compare and contrast the mechanisms of action among the common vasopressors and inotropes and how they influence hemodynamic parameters. • Select and titrate the most appropriate vasopressor or inotropic therapy for a small animal patient with vasodilatory shock using the scientific evidence available in humans and small animals.	*Dr. Deborah Silverstein*
60 minutes	The Role of Lactate in Clinical Decision-Making • Understand the mechanisms underlying lactate production and clearance. • Recognize and categorize the different causes of hyperlactataemia in clinical patients. • Identify when lactate should be used to guide diagnostic and therapeutic interventions and understand how to respond to hyperlactatemia in different clinical scenarios.	*Dr. Patricia Rosenstein*

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Agenda (cont.)		
Session Duration	**Topic**	**Presenter(s)**
60 minutes	Panel: Pearls of Wisdom- Shock Resuscitation • Differentiate the hemodynamic and clinical presentations of various shock syndromes and apply practical, case-based strategies for targeted fluid resuscitation, vasopressor, and inotrope use. • Synthesize expert recommendations and nuanced clinical approaches to optimize resuscitation endpoints, avoid common pitfalls, and improve survival in critically ill patients.	*Dr. Xiu Ting Yiew* *Dr. Deborah Silverstein* *Dr. Patricia Rosenstein* *Moderator:* *Dr. Amber Graham*

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Agenda (cont.)		
Session Duration	**Topic**	**Presenter(s)**
90 minutes	Antithrombotics: What, When, Why and How? • Understand the pathophysiology of thrombosis and its implications in critically ill veterinary patients. • Identify appropriate indications for anticoagulant and antiplatelet therapy, considering patient-specific risks and benefits. • Develop strategies for monitoring anticoagulation efficacy and managing complications such as hemorrhage in critically ill patients.	*Dr. Robert Goggs* *Dr. Julien Guillaumin*
60 minutes	Managing Refractory Acute Seizure Activity • Relate the appropriate diagnoses (status epilepticus, cluster seizures, drug resistance, and nonconvulsive seizures) to the presentation of refractory acute seizures. • Understand how refractory seizures arise and why these present diagnostic and treatment challenges. • Apply spectrum of care diagnostic and treatment options.	*Dr. Fiona James*
60 minutes	Panel: Feline Urinary Emergencies • Formulate diagnostic and therapeutic plans for common feline urinary emergencies by applying current evidence and expert consensus to case-based scenarios. • Apply interdisciplinary principles to manage peri-procedural stabilization, analgesia, and long-term renal implications in cats presenting with obstructive or oligoanuric urinary conditions.	*Dr. Serge Chalhoub* *Dr. JD Foster* *Dr. Marilyn Dunn* *Moderator:* *Dr. Amber Graham*
60 minutes	Management of Sodium Disorders • Understand the physiological principles governing sodium and water balance, including osmoregulation and volume regulation. • Recognize and differentiate between acute and chronic dysnatremias in veterinary patients, using diagnostic and clinical evaluation techniques. • Develop appropriate treatment plans for hyponatremia and hypernatremia, with a focus on safe correction strategies to prevent adverse neurological outcomes.	*Dr. Julien Guillaumin*

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Agenda (cont.)		
Session Duration	**Topic**	**Presenter(s)**
60 minutes	Management of Calcium Disorders • Enable the clinician to suspect these orders by their clinical signs. • Guide the clinician through the logical steps needed for making the correct clinical diagnosis. • Teach the fundamentals of treatment required to successfully manage these disorders.	*Dr. Michael Schaer*
30 minutes	Strong Ions- Who Cares? • Explain the fundamental principles of the strong ion approach to acid-base balance and how it differs from traditional bicarbonate-based models. • Apply strong ion concepts to the interpretation of acid-base disturbances in critically ill veterinary patients to guide more precise treatment strategies.	*Dr. Shane Bateman*
90 minutes	Panel: Managing Electrolyte Disturbances in Endocrine Emergencies • Interpret electrolyte derangements in endocrine emergencies and prioritize corrective strategies that support stabilization and long-term disease management. • Integrate endocrine pathophysiology with real-time electrolyte management to improve outcomes in complex cases requiring both internal medicine and ECC expertise.	*Dr. Julien Guillaumin* *Dr. Michael Schaer* *Dr. Shane Bateman* *Moderator:* *Dr. Amber Graham*