

Bridging ECC and Internal Medicine: Advanced Knowledge for Urgent Patient Care
Live Virtual Course | Date: November 19-20, 2025

DAY 1 Wednesday, November 19, 2025		
Time (Mountain Time)	Topic	Presenter(s)
8:00 - 8:15 am	Welcome and Introductions	<i>Dr. Shane Bateman</i>
8:15 - 9:15 am	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.	<i>Dr. Alexa Bersenas</i>
9:15 – 10:15 am	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.	<i>Dr. Tiffany Jagodich</i>
10:15 – 10:30 am	Break	
10:30 – 11:30 am	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.	<i>Dr. Søren Boysen</i> <i>Dr. Serge Chalhoub</i>
11:30 am – 12:30 pm	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.	<i>Dr. Alexa Bersenas</i> <i>Dr. Tiffany Jagodich</i> <i>Dr. Søren Boysen</i> <i>Dr. Serge Chalhoub</i> <i>Moderator:</i> <i>Dr. Amber Graham</i>

Bridging ECC and Internal Medicine: Advanced Knowledge for Urgent Patient Care
Live Virtual Course | Date: November 19-20, 2025

DAY 1 (continued) Wednesday, November 19, 2025		
Time (Mountain Time)	Topic	Presenter(s)
12:30 – 1:30 pm	Lunch Break	
1:30 – 2:30 pm	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.	<i>Dr. Xiu Ting Yiew</i>
2:30 – 3:30 pm	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.	<i>Dr. Deborah Silverstein</i>
3:30 – 3:45 pm	Break	
3:45 – 4:45 pm	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.	<i>Dr. Patricia Rosenstein</i>

Bridging ECC and Internal Medicine: Advanced Knowledge for Urgent Patient Care
Live Virtual Course | Date: November 19-20, 2025

DAY 1 (continued) Wednesday, November 19, 2025		
Time (Mountain Time)	Topic	Presenter(s)
4:45 – 5:45 pm	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.	<i>Dr. Xiu Ting Yiew</i> <i>Dr. Deborah Silverstein</i> <i>Dr. Patricia Rosenstein</i> <i>Moderator:</i> <i>Dr. Amber Graham</i>
5:45 pm	Close Day 1	

Bridging ECC and Internal Medicine: Advanced Knowledge for Urgent Patient Care
Live Virtual Course | Date: November 19-20, 2025

DAY 2 Thursday, November 20, 2025		
Time (Mountain Time)	Topic	Presenter(s)
8:00 – 8:15 am	Welcome	<i>Dr. Shane Bateman</i>
8:15 – 9:45 am	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.	<i>Dr. Robert Goggs</i> <i>Dr. Julien Guillaumin</i>
9:45 – 10:45 am	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.	<i>Dr. Fiona James</i>
10:45 – 11:00 am	Break	
11:00 am – 12:30 pm	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.	<i>Dr. Serge Chalhoub</i> <i>Dr. JD Foster</i> <i>Dr. Marilyn Dunn</i> <i>Moderator:</i> <i>Dr. Amber Graham</i>
12:30 – 1:30 pm	Lunch Break	
1:30 – 2:30 pm	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.	<i>Dr. Julien Guillaumin</i>

Bridging ECC and Internal Medicine: Advanced Knowledge for Urgent Patient Care
Live Virtual Course | Date: November 19-20, 2025

DAY 2 (continued) Thursday, November 20, 2025		
Time (Mountain Time)	Topic	Presenter(s)
2:30 – 3:30 pm	Management of Calcium Disorders • Enable the clinician to suspect these disorders 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.	<i>Dr. Michael Schaer</i>
3:30 – 3:45 pm	Break	
3:45 – 4:15 pm	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.	<i>Dr. Shane Bateman</i>
4:15 – 5:45 pm	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.	<i>Dr. Julien Guillaumin</i> <i>Dr. Michael Schaer</i> <i>Dr. Shane Bateman</i> Moderator: <i>Dr. Amber Graham</i>
5:45 pm	Closing Remarks	