

Advanced Strategies in Renal and Urologic Care  
Live Virtual Course | Date: September 21-22, 2026

Sponsored by



Day 1  
Monday, September 21, 2026

Time (Mountain Time)	Topic	Presenter(s)
8:00 -- 8:15 am	<b>Welcome and Introductions</b>	<i>Dr. Mark Acierno</i>
8:15 -- 9:15 am	<p>Cystatin B and Beyond: Biomarkers Driving the Future of AKI Diagnosis</p> <ul style="list-style-type: none"> <li>Describe the mechanisms and diagnostic value of cystatin B in acute kidney injury.</li> <li>Assess the clinical applicability of Cystatin B in improving early detection and prognostication of acute kidney injury.</li> </ul>	<i>Dr. Gilad Segev</i>
9:15 -- 10:15 am	<p>High Stakes in Critical Care: Managing AKI in the ICU</p> <ul style="list-style-type: none"> <li>Critically evaluate and stage AKI in dogs and cats using IRIS criteria, urine output metrics, and evolving biomarkers.</li> <li>Apply advanced ICU management principles to AKI patients, including individualized fluid therapy, optimization of renal perfusion and oxygen delivery, and rational pharmacologic decision-making.</li> <li>Anticipate and mitigate AKI progression and complications by identifying high-risk scenarios, avoiding common iatrogenic contributors, and integrating AKI management into broader critical illness frameworks.</li> </ul>	<i>Dr. Christopher Byers</i>
10:15 -- 10:30 am	<b>Break</b>	
10:30 -- 11:30 am	<p>Regenerating the Kidney: Stem Cells, Exosomes, and the Future of AKI Therapy</p> <ul style="list-style-type: none"> <li>Explain how stem cells and stem cell-derived exosomes promote renal repair and modulate inflammation in AKI.</li> <li>Compare different regenerative strategies and their therapeutic potential.</li> <li>Assess current evidence, limitations, and clinical translation challenges for regenerative AKI therapies.</li> </ul>	<i>Dr. Jessica Quimby</i>

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Day 1 (cont.)  
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Time (Mountain Time)	Topic	Presenter(s)
11:30-12:30 pm	<p>Phosphate &amp; FGF-23, Silent Drivers of CKD Progression</p> <ul style="list-style-type: none"> <li>Explain the role of FGF23 in the integrated homeostasis of phosphate and calcium.</li> <li>Describe how FGF23 secretion is an adaptive response to loss of functioning nephrons.</li> <li>Explain why FGF23 is a predictor of progression of CKD.</li> <li>Define how serum FGF23 should be used to inform dietary phosphate restriction in feline CKD.</li> </ul>	<i>Dr. Jonathan Elliott</i>
12:30-1:30 pm	<b>Lunch</b>	
1:30-2:30 pm	<p>The Gut–Kidney Connection: Microbiota, Metabolites, and CKD</p> <ul style="list-style-type: none"> <li>Learn about the gut-kidney axis and the bidirectional effects on organ health.</li> <li>Appreciate negative consequences of uremic toxins and potential management strategies.</li> <li>Review constipation and its role in the gut-kidney axis.</li> </ul>	<i>Dr. Jessica Quimby</i>
2:30-3:30 pm	<p>Beyond the Bowl: Advanced Nutrition Strategies for CKD</p> <ul style="list-style-type: none"> <li>Review nutrients of concern for chronic kidney disease (CKD) with focus on new research from last several years.</li> <li>Calculate nutrient on caloric basis from % as fed.</li> <li>Compare and contrast commercially available diets for dogs and cats with CKD.</li> </ul>	<i>Dr. Valerie Parker</i>
3:30-3:45 pm	<b>Break</b>	
3:45-4:45 pm	<p>Rewriting the Script: New Insights into CKD-Associated Anemia</p> <ul style="list-style-type: none"> <li>Understand the role of hypoxia in stimulating erythropoiesis.</li> <li>Understand the mechanism of action of hypoxia-inducible factor prolyl hydroxylase inhibitors (HIF-PFI).</li> <li>Describe prescribing molidustat (HIF-PFI).</li> </ul>	<i>Dr. Catherine Langston</i>



ADVANCED  
CONTINUING  
EDUCATION

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Time (Mountain Time)	Topic	Presenter(s)
4:45-5:45 pm	Panel Discussion	<i>Dr. Christopher Byers Dr. Jessica Quimby Dr. Jonathan Elliott Dr. Valerie Parker Dr. Catherine Langston Moderator: TBD</i>
5:45 pm	<b>Close Day 1</b>	<i>Dr. Mark Acierno</i>

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Day 2  
Tuesday, September 22, 2026

Time (Mountain Time)	Topic	Presenter(s)
8:00 – 9:00 am	<p>The Urinary Microbiome: Rethinking Sterility and Disease</p> <ul style="list-style-type: none"> <li>• Current understanding of the urine microbiome in healthy dogs and cats compared to humans.</li> <li>• The impact of collection and storage on the urine microbiome.</li> <li>• Understand the role of sex and neuter status on the urine microbiome in companion animals.</li> </ul>	<i>Dr. Julie Byron</i>
9:00 – 10:00 am	<p>Feline Idiopathic Cystitis in 2025: Stress, Environment, and New Insights</p> <ul style="list-style-type: none"> <li>• What cats perceive as threats and stress in their environment.</li> <li>• Physiologic responses to threats and stress.</li> <li>• Proposed modifications to the Stress Response System in affected cats.</li> <li>• Strategies to reduce threat perception.</li> </ul>	<i>Dr. Julie Byron</i>
10:00-10:15 am	<b>Break</b>	
10:15 – 11:15 am	<p>Recurrent Cystitis: Breaking the Cycle</p> <ul style="list-style-type: none"> <li>• Be able to explain the different rUTI mechanisms.</li> <li>• Understand the ramifications of antibiotic therapy in patients with rUTI.</li> <li>• Name the different types of prophylaxis.</li> <li>• Understand the limitations of the different prophylactic therapies.</li> </ul>	<i>Dr. Michael Wood</i>
11:15-12:15 pm	<p>Bacterial Cystitis in the Era of Stewardship</p> <ul style="list-style-type: none"> <li>• Understand why local antimicrobial surveillance is critical for the appropriate prescription of empiric antibiotics.</li> <li>• Be able to name alternative treatments for sporadic cystitis and know the pros/cons of their use.</li> <li>• Understand the difference between asymptomatic bacteriuria and subclinical bacteriuria.</li> <li>• Be able to explain the benefits and risks of not treating SCB.</li> </ul>	<i>Dr. Michael Wood</i>

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Time (Mountain Time)	Topic	Presenter(s)
12:15-1:15 pm	<b>Lunch</b>	
1:15 – 2:15 pm	Hemoperfusion in Veterinary Medicine: Expanding Options for Toxin Removal	<i>Dr. JD Foster</i>
2:15 – 3:15 pm	Therapeutic Plasma Exchange: A New Frontier for Autoimmune Disease <ul style="list-style-type: none"> <li>• Describe and compare the 2 options for providing therapeutic plasma exchange in a clinical patient: membrane filtration and centrifugation.</li> <li>• Explain the expected metabolic changes associated with this procedure and the required monitoring to provide this technique safely.</li> <li>• Discuss the indications and limitations of this blood purification technique in clinical practice.</li> </ul>	<i>Dr. Thierry Francey</i>
3:15 – 3:30 pm	<b>Break</b>	

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Time (Mountain Time)	Topic	Presenter(s)
3:30 – 4:30 pm	<p>The SUB System: Practical Tips for Placement, Maintenance, and Client Counseling</p> <ul style="list-style-type: none"> <li>• Identify all components of the SUB system and their functions.</li> <li>• Understand how the system is assembled into a functional bypass circuit.</li> <li>• Recognize proper equipment setup and preparation pre- and post-surgery.</li> <li>• Identify and correct assembly errors that may compromise function.</li> <li>• Identify common complications associated with SUB systems.</li> <li>• Implement strategies to prevent and manage these complications.</li> </ul>	<i>Dr. Chick Weisse</i>
4:30 – 5:30 pm	Panel Discussion	<i>Dr. Julie Byron</i> <i>Dr. Michael Wood</i> <i>Dr. JD Foster</i> <i>Dr. Thierry Francey</i> <i>Dr. Chick Weisse</i> <i>Moderator: TBD</i>
5:30 pm	<b>Close Day 2</b>	<i>Dr. Mark Acierno</i>