

Advanced Strategies in Renal and Urologic Care
Live Virtual Course | Date: December 14-15, 2026

Sponsored by



Day 1 Monday, December 14, 2026		
Time (Mountain Time)	Topic	Presenter(s)
8:00 -- 8:15 am	Welcome and Introductions	<i>Dr. Mark Acierno</i>
8:15 -- 9:15 am	Cystatin B and Beyond: Biomarkers Driving the Future of AKI Diagnosis - Describe the mechanisms and diagnostic value of cystatin B in acute kidney injury. - Assess the clinical applicability of Cystatin B in improving early detection and prognostication of acute kidney injury.	<i>Dr. Gilad Segev</i>
9:15 -- 10:15 am	High Stakes in Critical Care: Managing AKI in the ICU - Critically evaluate and stage AKI in dogs and cats using IRIS criteria, urine output metrics, and evolving biomarkers. - Apply advanced ICU management principles to AKI patients, including individualized fluid therapy, optimization of renal perfusion and oxygen delivery, and rational pharmacologic decision-making. - 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.	<i>Dr. Christopher Byers</i>
10:15 -- 10:30 am	Break	
10:30 -- 11:30 am	Regenerating the Kidney: Stem Cells, Exosomes, and the Future of AKI Therapy - Explain how stem cells and stem cell-derived exosomes promote renal repair and modulate inflammation in AKI. - Compare different regenerative strategies and their therapeutic potential. - Assess current evidence, limitations, and clinical translation challenges for regenerative AKI therapies.	<i>Dr. Jessica Quimby</i>

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Day 1 (cont.)
Monday, December 14, 2026

Time (Mountain Time)	Topic	Presenter(s)
11:30-12:30 pm	Phosphate & FGF-23, Silent Drivers of CKD Progression - Explain the role of FGF23 in the integrated homeostasis of phosphate and calcium. - Describe how FGF23 secretion is an adaptive response to loss of functioning nephrons. - Explain why FGF23 is a predictor of progression of CKD. - Define how serum FGF23 should be used to inform dietary phosphate restriction in feline CKD.	Dr. Jonathan Elliott
12:30-1:30 pm	Lunch	
1:30-2:30 pm	The Gut–Kidney Connection: Microbiota, Metabolites, and CKD - Learn about the gut-kidney axis and the bidirectional effects on organ health. - Appreciate negative consequences of uremic toxins and potential management strategies. - Review constipation and its role in the gut-kidney axis.	Dr. Jessica Quimby
2:30-3:30 pm	Beyond the Bowl: Advanced Nutrition Strategies for CKD - Review nutrients of concern for chronic kidney disease (CKD) with focus on new research from last several years. - Calculate nutrient on caloric basis from % as fed. - Compare and contrast commercially available diets for dogs and cats with CKD.	Dr. Valerie Parker
3:30-3:45 pm	Break	
3:45-4:45 pm	Rewriting the Script: New Insights into CKD-Associated Anemia - Understand the role of hypoxia in stimulating erythropoiesis. - Understand the mechanism of action of hypoxia-inducible factor prolyl hydroxylase inhibitors (HIF-PFI). - Describe prescribing molidustat (HIF-PFI).	Dr. Catherine Langston



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Day 1 (cont.) Monday, December 14, 2026		
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	Close Day 1	<i>Dr. Mark Acierno</i>

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Day 2
Tuesday, December 15, 2026

Time (Mountain Time)	Topic	Presenter(s)
8:00 – 9:00 am	The Urinary Microbiome: Rethinking Sterility and Disease • Current understanding of the urine microbiome in healthy dogs and cats compared to humans. • The impact of collection and storage on the urine microbiome. • Understand the role of sex and neuter status on the urine microbiome in companion animals.	<i>Dr. Julie Byron</i>
9:00 – 10:00 am	Feline Idiopathic Cystitis in 2025: Stress, Environment, and New Insights • What cats perceive as threats and stress in their environment. • Physiologic responses to threats and stress. • Proposed modifications to the Stress Response System in affected cats. • Strategies to reduce threat perception.	<i>Dr. Julie Byron</i>
10:00-10:15 am	Break	
10:15 – 11:15 am	Recurrent Cystitis: Breaking the Cycle • Be able to explain the different rUTI mechanisms. • Understand the ramifications of antibiotic therapy in patients with rUTI. • Name the different types of prophylaxis. • Understand the limitations of the different prophylactic therapies.	<i>Dr. Michael Wood</i>
11:15-12:15 pm	Bacterial Cystitis in the Era of Stewardship • Understand why local antimicrobial surveillance is critical for the appropriate prescription of empiric antibiotics. • Be able to name alternative treatments for sporadic cystitis and know the pros/cons of their use. • Understand the difference between asymptomatic bacteriuria and subclinical bacteriuria. • Be able to explain the benefits and risks of not treating SCB.	<i>Dr. Michael Wood</i>

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Day 2 (cont.) Tuesday, December 15, 2026		
Time (Mountain Time)	Topic	Presenter(s)
12:15-1:15 pm	Lunch	
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 • Describe and compare the 2 options for providing therapeutic plasma exchange in a clinical patient: membrane filtration and centrifugation. • Explain the expected metabolic changes associated with this procedure and the required monitoring to provide this technique safely. • Discuss the indications and limitations of this blood purification technique in clinical practice.	<i>Dr. Thierry Francey</i>
3:15 – 3:30 pm	Break	

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Day 2 (cont.)
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Time (Mountain Time)	Topic	Presenter(s)
3:30 – 4:30 pm	The SUB System: Practical Tips for Placement, Maintenance, and Client Counseling • Identify all components of the SUB system and their functions. • Understand how the system is assembled into a functional bypass circuit. • Recognize proper equipment setup and preparation pre- and post-surgery. • Identify and correct assembly errors that may compromise function. • Identify common complications associated with SUB systems. • Implement strategies to prevent and manage these complications.	Dr. Chick Weisse
4:30 – 5:30 pm	Panel Discussion	Dr. Julie Byron Dr. Michael Wood Dr. JD Foster Dr. Thierry Francey Dr. Chick Weisse Moderator: TBD
5:30 pm	Close Day 2	Dr. Mark Acierno