

**Complicated Gastroenterology Cases: Medical and Nutritional Integration
On Demand**

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DAY 1		
Session Duration	Topic	Presenter(s)
75 minutes	<p>Histopathology Review: From Esophagus to Colon</p> <ul style="list-style-type: none"> • Provide a brief clinical history with relevant information for an accurate histopathologic diagnosis. • Recognize the structural organization of the different regions of the gastrointestinal tract and identify the main histologic lesions with clinical significance. • Understand the limitations of endoscopic biopsies and potential pitfalls in tissue sampling and processing. 	<p><i>Dr. Joao Cavaşin, Dr. Paula Giaretta</i></p>
60 minutes	<p>Nutrition for the Critically Ill GI Patient</p> <ul style="list-style-type: none"> • To understand the definition and nature of intestinal failure and intestinal insufficiency and the various cases for this, such as short bowel syndrome. • To have an understanding of the different nutritional options available and the different strategies that might be needed for the management of critically ill GI patients. • To be aware and recognize refeeding syndrome, its consequences and how to prevent and manage this. 	<p><i>Dr. Aarti Kathrani</i></p>
60 minutes	<p>Aerodigestive Disorders</p> <ul style="list-style-type: none"> • Understand the mechanisms linking the alimentary and respiratory tracts. • Recognize aerodigestive disorders encountered in dogs. • Become familiar with the new diagnostic and therapeutic strategies for patients with suspected aerodigestive disease. 	<p><i>Dr. Megan Grobman</i></p>

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DAY 1 (continued)		
Session Duration	Topic	Presenter(s)
60 minutes	<p>Motility Disorders</p> <ul style="list-style-type: none"> • Increase and confirm your clinical suspicion for GI motility disorders in a number of conditions, especially critically ill patients. • Be aware and evaluate available diagnostic tests assessing GI motility for their pros and cons in a clinical setting. • Apply nutritional and pharmaceutical strategies to small animals with gastrointestinal ileus. 	<i>Dr. Silke Salavati Schmitz</i>
60 minutes	<p>How to Approach Diet Selection in Chronic Gastroenteropathies</p> <ul style="list-style-type: none"> • Demonstrate ability to use online tools to acquire a dietary history. • List the patient-specific factors, feeding management factors, and the macro- and micro-nutrients of concern for a dog or cat presenting with chronic enteropathy. • Select three appropriate therapeutic and/or over-the-counter diets for a dog or cat with chronic enteropathy based on the dietary history, animal-specific factors, and clinical signs of the patient. 	<i>Dr. Katie Tolbert</i>
60 minutes	<p>Panel Discussion: Feline Chronic Inflammatory Enteropathy and LSA</p> <ul style="list-style-type: none"> • When to biopsy and why? Also, when do we consider immunohistochemistry and clonality testing, or do they matter? • How many diet trials and strategies should we consider? Initial and subsequent diet selection and what factors to consider. • Does the clinical approach change with CIE vs LSA? • Alternative treatment options, such as fecal microbiota transplant (FMT), probiotics, other supplements (such as glutamine etc), stem cells etc. • Do clinical activity indices have any value in clinical management, and could they be modified to be more clinically applicable? 	<p><i>Dr. Betty Chow, Dr. Paula Giaretta, Dr. Aarti Kathrani, Dr. Caroline Mansfield</i></p> <p><i>Moderator: Dr. Jonathan David Dear</i></p>
60 minutes	<p>Roundtable: Nutritional Considerations for Dogs and Cats with Pancreatitis</p> <ul style="list-style-type: none"> • Recognize the nutritional requirements for dogs and cats with acute pancreatitis. • Understand the level of evidence and the differences between species regarding the nutritional recommendations for dogs and cats with pancreatitis 	<p><i>Dr. Joerg Steiner, Dr. Caroline Mansfield, Dr. Betty Chow, Dr. Katie Tolbert</i></p> <p><i>Moderator: Dr. Jonathan David Dear</i></p>
60 minutes	Research Updates	<i>Dr. Karin Allenspach</i>

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DAY 2		
Session Duration	Topic	Presenter(s)
60 minutes	<p>Canine Protein-Losing Enteropathy: Current Debates</p> <ul style="list-style-type: none"> Review the most common underlying causes of canine PLE and the benefits and limitations of intestinal biopsy. Discuss the evidence for and against dietary strategies and the use of immunosuppression in dogs with PLE. Understand the indications and therapeutic options for prevention of thromboembolism and supplementation of vitamin D in dogs with PLE and the evidence for/against the use of these therapies. 	Dr. Sara Jablonski
60 minutes	<p>Panel Discussion: Protein-Losing Enteropathy</p> <ul style="list-style-type: none"> Understand important aspects of tissue sample collection and submission to optimize information gained from intestinal biopsy samples in dogs with PLE. Discuss various perspectives regarding timing, benefits, and limitations of intestinal biopsy samples in dogs with PLE. Review varied approaches to nutritional and medical management, thromboprophylaxis, and vitamin D supplementation in dogs with PLE. 	<p>Dr. Karin Allenspach, Dr. Joao Cavasin, Dr. Sara Jablonski, Dr. Katie Tolbert, Dr. Allison Wara</p> <p>Moderator: Dr. Cecilia Villaverde</p>
30 minutes	<p>Refractory Chronic Enteropathies: What Are Our Options?</p> <ul style="list-style-type: none"> Learn about different options for immunosuppressive and alternative treatments once food responsive enteropathies have been ruled out. Describe updates and examples on the use of cyclosporine, chlorambucil and budesonide. Review the available literature on fecal microbial transplants and the use of cholestyramine in refractory CE. 	Dr. Karin Allenspach
30 minutes	<p>Stem Cells to Treat Canine Enteropathies</p> <ul style="list-style-type: none"> Distinguish the different types of stem cells and the offers from the laboratories. Develop a treatment protocol with stem cells. Understand the limitations and secondary effects of their use. 	Dr. Eva Perez
60 minutes	<p>Panel Discussion: Refractory Canine Enteropathy</p> <ul style="list-style-type: none"> Review the terminology for chronic enteropathy and its inherent limitations. Discuss the evidence for and against traditional and novel therapies including probiotics, fecal microbial transplantation, bile acid sequestrants, and stem cell therapy. Understand nutritional approaches for chronic enteropathy including modification of protein, fat, and fiber and the evidence for/against dietary supplements such as curcumin and glutamine. 	<p>Dr. Paula Giarretta, Dr. Karin Allenspach, Dr. Eva Perez, Dr. Alison Manchester, Dr. Allison Wara</p> <p>Moderator: Dr. Cecilia Villaverde</p>

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DAY 2 (continued)		
Session Duration	Topic	Presenter(s)
60 minutes	<p>Fiber-Responsive Disorders</p> <ul style="list-style-type: none"> • To understand the definition and classification of different dietary fiber types used in pet food. • To have an understanding of the broad functions of dietary fibers and their advantages and potential disadvantages when used in pets. • To be able to analyze and compare dietary fiber composition between different pet foods or to understand the limitation of this. • To be aware of the scientific literature with regards to studies that have been performed utilizing dietary fiber in dogs and cats with gastrointestinal disease. • To have an understanding of the clinical indications for the different fiber types. 	<i>Dr. Aarti Kathrani</i>
60 minutes	<p>Granulomatous Colitis in Dogs – Beyond Baytril</p> <ul style="list-style-type: none"> • Identify aspects of the clinical presentation and diagnostic findings that increase suspicion of granulomatous colitis and compare and contrast to that of vast majority of chronic inflammatory enteropathy cases. • Understand the samples to collect and how to best use them to achieve a specific diagnosis for dogs with GC. • Optimize management of dogs with multidrug resistant E. coli-associated GC. 	<i>Dr. Alison Manchester</i>
60 minutes	Research Updates	<i>Dr. Caroline Mansfield</i>