

**Complicated Gastroenterology Cases: Medical and Nutritional Integration  
Live Virtual Course | November 6-7, 2023**

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DAY 1 Monday, November 6, 2023		
Time (Mountain Time)	Topic	Presenter(s)
8:00-8:15 am	<b>Welcome and Introductions</b>	<i>Dr. Katie Tolbert</i>
8:15-9:30 am	<p>Histopathology Review: From Esophagus to Colon</p> <ul style="list-style-type: none"> <li>• Provide a brief clinical history with relevant information for an accurate histopathologic diagnosis.</li> <li>• Recognize the structural organization of the different regions of the gastrointestinal tract and identify the main histologic lesions with clinical significance.</li> <li>• Understand the limitations of endoscopic biopsies and potential pitfalls in tissue sampling and processing.</li> </ul>	<i>Dr. Joao Cavaşin, Dr. Paula Giaretta</i>
9:30-10:30 am	<p>Nutrition for the Critically Ill GI Patient</p> <ul style="list-style-type: none"> <li>• To understand the definition and nature of intestinal failure and intestinal insufficiency and the various cases for this, such as short bowel syndrome.</li> <li>• 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.</li> <li>• To be aware and recognize refeeding syndrome, its consequences and how to prevent and manage this.</li> </ul>	<i>Dr. Aarti Kathrani</i>
10:30-10:45 am	<b>Break</b>	
10:45-11:45 am	<p>Aerodigestive Disorders</p> <ul style="list-style-type: none"> <li>• Understand the mechanisms linking the alimentary and respiratory tracts.</li> <li>• Recognize aerodigestive disorders encountered in dogs.</li> <li>• Become familiar with the new diagnostic and therapeutic strategies for patients with suspected aerodigestive disease.</li> </ul>	<i>Dr. Megan Grobman</i>

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DAY 1 (continued) Monday, November 6, 2023		
Time (Mountain Time)	Topic	Presenter(s)
11:45 am -12:45 pm	<p>Motility Disorders</p> <ul style="list-style-type: none"> <li>• Increase and confirm your clinical suspicion for GI motility disorders in a number of conditions, especially critically ill patients.</li> <li>• Be aware and evaluate available diagnostic tests assessing GI motility for their pros and cons in a clinical setting.</li> <li>• Apply nutritional and pharmaceutical strategies to small animals with gastrointestinal ileus.</li> </ul>	<i>Dr. Silke Salavati Schmitz</i>
12:45-1:45 pm	<b>Lunch Break</b>	
1:45-2:45 pm	<p>How to Approach Diet Selection in Chronic Gastroenteropathies</p> <ul style="list-style-type: none"> <li>• Demonstrate ability to use online tools to acquire a dietary history.</li> <li>• 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.</li> <li>• 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.</li> </ul>	<i>Dr. Katie Tolbert</i>
2:45-3:45 pm	<p>Panel Discussion: Feline Chronic Inflammatory Enteropathy and LSA</p> <ul style="list-style-type: none"> <li>• When to biopsy and why? Also, when do we consider immunohistochemistry and clonality testing, or do they matter?</li> <li>• How many diet trials and strategies should we consider? Initial and subsequent diet selection and what factors to consider.</li> <li>• Does the clinical approach change with CIE vs LSA?</li> <li>• Alternative treatment options, such as fecal microbiota transplant (FMT), probiotics, other supplements (such as glutamine etc), stem cells etc.</li> <li>• Do clinical activity indices have any value in clinical management, and could they be modified to be more clinically applicable?</li> </ul>	<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>
3:45-4:00 pm	<b>Break</b>	
4:00-5:00 pm	<p>Roundtable: Nutritional Considerations for Dogs and Cats with Pancreatitis</p> <ul style="list-style-type: none"> <li>• Recognize the nutritional requirements for dogs and cats with acute pancreatitis.</li> <li>• Understand the level of evidence and the differences between species regarding the nutritional recommendations for dogs and cats with pancreatitis</li> </ul>	<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>
5:00-6:00 pm	Research Updates	<i>Dr. Caroline Mansfield</i>

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**DAY 2**  
**Tuesday, November 7, 2023**

Time (Mountain Time)	Topic	Presenter(s)
8:00-9:00 am	<p>Canine Protein-Losing Enteropathy: Current Debates</p> <ul style="list-style-type: none"> <li>Review the most common underlying causes of canine PLE and the benefits and limitations of intestinal biopsy.</li> <li>Discuss the evidence for and against dietary strategies and the use of immunosuppression in dogs with PLE.</li> <li>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.</li> </ul>	<i>Dr. Sara Jablonski</i>
9:00-10:00 am	Panel Discussion: Protein-Losing Enteropathy	<p><i>Dr. Karin Allenspach, Dr. Joao Cavasin, Dr. Sara Jablonski, Dr. Katie Tolbert, Dr. Allison Wara</i></p> <p><i>Moderator: Dr. Cecilia Villaverde</i></p>
10:00-10:15 am	<b>Break</b>	
10:15-10:45 am	Refractory Chronic Enteropathies: What Are Our Options?	<i>Dr. Karin Allenspach</i>
10:45-11:15 am	<p>Stem Cells to Treat Canine Enteropathies</p> <ul style="list-style-type: none"> <li>Distinguish the different types of stem cells and the offers from the laboratories.</li> <li>Develop a treatment protocol with stem cells.</li> <li>Understand the limitations and secondary effects of their use.</li> </ul>	<i>Dr. Eva Perez</i>
11:15 am – 12:15 pm	<p>Panel Discussion: Refractory Canine Enteropathy</p> <ul style="list-style-type: none"> <li>Review the terminology for chronic enteropathy and its inherent limitations.</li> <li>Discuss the evidence for and against traditional and novel therapies including probiotics, fecal microbial transplantation, bile acid sequestrants, and stem cell therapy.</li> <li>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.</li> </ul>	<p><i>Dr. Paula Giaretta, Dr. Karin Allenspach, Dr. Eva Perez, Dr. Alison Manchester, Dr. Allison Wara</i></p> <p><i>Moderator: Dr. Cecilia Villaverde</i></p>

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DAY 2 (continued) Tuesday, November 7, 2023		
Time (Mountain Time)	Topic	Presenter(s)
12:15-1:15 pm	<b>Lunch</b>	
1:15-2:15 pm	Fiber-Responsive Disorders <ul style="list-style-type: none"> <li>To understand the definition and classification of different dietary fiber types used in pet food.</li> <li>To have an understanding of the broad functions of dietary fibers and their advantages and potential disadvantages when used in pets.</li> <li>To be able to analyze and compare dietary fiber composition between different pet foods or to understand the limitation of this.</li> <li>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.</li> <li>To have an understanding of the clinical indications for the different fiber types.</li> </ul>	<i>Dr. Aarti Kathrani</i>
2:15-3:15 pm	Granulomatous Colitis in Dogs – Beyond Baytril <ul style="list-style-type: none"> <li>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.</li> <li>Understand the samples to collect and how to best use them to achieve a specific diagnosis for dogs with GC.</li> <li>Optimize management of dogs with multidrug resistant E. coli-associated GC.</li> </ul>	<i>Dr. Alison Manchester</i>
3:15-3:30 pm	<b>Break</b>	
3:30-4:30 pm	Research Updates	<i>Dr. Karin Allenspach</i>
4:30 pm	<b>Closing Remarks</b>	<i>Dr. Katie Tolbert</i>