

**Advanced Endocrinology  
 Virtual Course  
 November 2-4, 2020**

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<b>DAY 1            Monday, November 2, 2020</b>		
Time <i>(Mountain Standard Time)</i>	Topic	Presenter(s)
8:00-8:15 am	<b>Welcome &amp; Introductions</b>	
8:15-9:15 am	Diabetic Ketoacidosis: The Good, The Bad and The Ugly, Part I <ul style="list-style-type: none"> <li>How to judge fluid therapy needs</li> <li>When to start insulin- pros and cons</li> <li>How to communicate risk to owners and potential benefits of having internists involved early</li> <li>How to address electrolyte disorders</li> <li>Role of urinary catheters and sampling catheters</li> </ul>	<i>Dr. Liz Rozanski</i>
9:15-10:15 am	Diabetic Ketoacidosis: The Good, The Bad and The Ugly, Part II <ul style="list-style-type: none"> <li>How to judge fluid therapy needs</li> <li>When to start insulin- pros and cons</li> <li>How to communicate risk to owners and potential benefits of having internists involved early</li> <li>How to address electrolyte disorders</li> <li>Role of urinary catheters and sampling catheters</li> </ul>	<i>Dr. Liz Rozanski</i>
10:15-10:30 am	<b>Break</b>	
10:30-11:30 am	Diabetic Remission <ul style="list-style-type: none"> <li>Evaluate theoretical factors that contribute to diabetic remission</li> <li>Evaluate the evidence for actual factors that contribute to diabetic remission</li> <li>Describe the role of non-insulin therapies in achieving and maintaining remission.</li> </ul>	<i>Dr. Chen Gilor</i>

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<b>DAY 1            Monday, November 2, 2020</b>		
Time <i>(Mountain Standard Time)</i>	Topic	Presenter(s)
11:30 am-12:30 pm	Nutritional Management of Diabetic Dogs & Cats – Including the Comorbid Patient <ul style="list-style-type: none"> <li>• Compare and contrast nutritional management of diabetic dogs and cats.</li> <li>• Review how to compare nutrients between diets.</li> <li>• Discuss how to approach the comorbid diabetic patient.</li> </ul>	<i>Dr. Valerie Parker</i>
12:30-1:15 pm	<b>Lunch Break</b>	
1:15-2:15 pm	What's New in Diabetes: Toujeo and Libre <ul style="list-style-type: none"> <li>• Understand the pharmacology of Toujeo (insulin glargine U300) in cats and dogs</li> <li>• Be able to compare Toujeo to Lantus (insulin glargine U100)</li> <li>• Understand the practical uses of the FreeStyle Libre and its limitation in various clinical scenarios</li> </ul>	<i>Dr. Chen Gilor</i>
2:15-3:15 pm	Expert Perspective - Canine Diabetes Mellitus <ul style="list-style-type: none"> <li>• Identify clinical features that indicate concurrent disease in diabetic dogs.</li> <li>• Plan a diagnostic approach to efficiently identify complicating scenarios.</li> <li>• Formulate a treatment plan to manage both the diabetes and the other condition(s).</li> <li>• Offer flexible treatment and monitoring options for individual diabetic patients and their owners.</li> </ul>	<i>Dr. Linda Fleeman</i>
3:15-3:30 pm	<b>Break</b>	

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<b>DAY 1 Monday, November 2, 2020</b>		
Time <i>(Mountain Standard Time)</i>	Topic	Presenter(s)
3:30-4:30 pm	Expert Perspective - Feline Diabetes Mellitus <ul style="list-style-type: none"> <li>Identify clinical features that indicate concurrent disease in diabetic cats.</li> <li>Plan a diagnostic approach to efficiently identify complicating scenarios.</li> <li>Formulate a treatment plan to manage both the diabetes and the other condition(s).</li> </ul>	<i>Dr. Linda Fleeman</i>
4:30-5:30 pm	Counterpoint / Panel	<i>Drs. Chen Gilor, Linda Fleeman, Valerie Parker, and Liz Rozanski</i>
5:30-5:45 pm	Daily Wrap Up	<i>Dr. Audrey Cook</i>

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<b>DAY 2            Tuesday, November 3, 2020</b>		
Time (Mountain Standard Time)	Topic	Presenter(s)
8:00-9:00 am	Monitoring Trilostane Treatment: A Review <ul style="list-style-type: none"> <li>Discuss the relative merits of the various ways to monitor trilostane therapy</li> <li>Create effective, reliable and personalized strategies for monitoring dogs on trilostane</li> <li>Critically evaluate novel methods for monitoring dogs on trilostane</li> </ul>	<i>Dr. Audrey Cook</i>
9:00-10:00 am	Why I Don't Use the ACTH Stim Anymore - Diagnostic and Monitoring Issues <ul style="list-style-type: none"> <li>Become comfortable with the true characteristics of the various tests available</li> <li>Deal with the concept of pre-test probability</li> <li>Become aware of the practical application of positive and negative predictive values</li> </ul>	<i>Dr. Stijn Niessen</i>
10:00-10:15 am	<b>Break</b>	
10:15-11:15 am	European-style Monitoring Trilostane Treatment <ul style="list-style-type: none"> <li>Become comfortable with the true characteristics of the various tests available</li> <li>Deal with the concept of pre-test probability</li> <li>Become aware of the practical application of positive and negative predictive values</li> </ul>	<i>Dr. Stijn Niessen</i>
11:15 am-12:15 pm	AI-assisted Cushing's Diagnosis <ul style="list-style-type: none"> <li>Become comfortable with the true characteristics of the various tests available</li> <li>Deal with the concept of pre-test probability</li> <li>Become aware of the practical application of positive and negative predictive values</li> </ul>	<i>Dr. Stijn Niessen</i>

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<b>DAY 2            Tuesday, November 3, 2020</b>		
Time (Mountain Standard Time)	Topic	Presenter(s)
12:15-1:00 pm	<b>Lunch Break</b>	
1:00-2:00 pm	Battle of the Hormones: Concurrent Diabetes Mellitus and Hyperadrenocorticism <ul style="list-style-type: none"> <li>Understanding why diabetes mellitus and Cushing's are a challenge to control when present in the same animal</li> <li>Become aware of the possibilities of managing these two challenging conditions together</li> </ul>	<i>Dr. Stijn Niessen</i>
2:00-3:00 pm	Counterpoint / Panel	<i>Drs. Stijn Niessen, Chen Gilor, and Audrey Cook</i>
3:00-3:15 pm	<b>Break</b>	
3:15-4:15 pm	Update on Addison's Disease <ul style="list-style-type: none"> <li>Recognize the differences in clinical presentation of typical and atypical hypoadrenocorticism (HA)</li> <li>Recognize the limitations of currently available screening tests for HA</li> <li>Understand the advantages of an artificial intelligence-based screening test for HA</li> </ul>	<i>Dr. Chen Gilor</i>
4:15-4:30 pm	Daily Wrap Up	<i>Dr. Audrey Cook</i>

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<b>DAY 3 Wednesday, November 4, 2020</b>		
Time (Mountain Standard Time)	Topic	Presenter(s)
8:00-9:00 am	The Consequences of Hyperlipidemia <ul style="list-style-type: none"> <li>• Define the mechanisms that contribute to hyperlipidemia</li> <li>• Describe the link between hyperlipidemia and proteinuria, including lipid-induced glomerular injury</li> <li>• Identify additional risks associated with hyperlipidemia, including pancreatitis and gallbladder mucoceles</li> </ul>	<i>Dr. Eva Furrow</i>
9:00-10:00 am	Management of Primary and Secondary Hyperlipidemia <ul style="list-style-type: none"> <li>• Diagnose causes of primary and secondary hyperlipidemia in their patients</li> <li>• Describe the therapeutic options for managing hyperlipidemia, including dosage, efficacy, and monitoring.</li> <li>• Create individual management plans for patients with hyperlipidemia</li> </ul>	<i>Dr. Eva Furrow</i>
10:00-10:15 am	<b>Break</b>	
10:15-11:15 am	Nutritional Management of Lipid Disorders <ul style="list-style-type: none"> <li>• Describe medical conditions that would best respond to a low-fat diet.</li> <li>• Convert fat from a guaranteed analysis (min %) to a grams per 100 kcal basis.</li> <li>• Review low fat commercial and home-cooked diet options for dogs and cats.</li> </ul>	<i>Dr. Valerie Parker</i>

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DAY 3 Wednesday, November 4, 2020		
Time <i>(Mountain Standard Time)</i>	Topic	Presenter(s)
11:15 am-12:15 pm	Abstract Sampler: ACVIM and ECVIM 2020 <ul style="list-style-type: none"> <li>Discuss recent advances in the management of patients with diabetes mellitus and hyperadrenocorticism</li> <li>Critically evaluate novel methods for the management of patients with common endocrinopathies</li> </ul>	<i>Dr. Audrey Cook</i>
12:15-1:15 pm	Round Table: Wrap Up and Questions	<i>Drs. Audrey Cook and Valerie Parker; others as available</i>
1:15 pm	<b>Course concludes</b>	