

**Advanced Endocrinology  
On Demand Course**

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**Agenda**

Session Duration	Topic	Presenter(s)
30 minutes	<p>Nutritional Recommendations for Cats &amp; Dogs with Diabetes Mellitus</p> <ul style="list-style-type: none"> <li>• Compare and contrast nutritional management strategies for cats and dogs with diabetes mellitus (DM)</li> <li>• Convert % nutrients (as fed) to grams (or mg) per 100 kilocalories</li> <li>• Implement a nutritional plan for a cat or dog with DM and one (or more) comorbid conditions.</li> </ul>	<i>Dr. Valerie Parker</i>
30 minutes	<p>Flat, Stable and Predictable: Evolving Beyond NPH in Veterinary Medicine</p> <ul style="list-style-type: none"> <li>• Review the current insulin recommendations for dogs and cats, including preferred insulin types, dosing protocols and monitoring strategies</li> <li>• Apply a basal insulin approach to clinical patients, including appropriate insulin selection, dosing strategies, and monitoring techniques to achieve stable glycemic control</li> <li>• Develop an individualized insulin therapy plan tailored to individual dogs or cats and their owners.</li> </ul>	<i>Dr. Joceyln Mott</i>
30 minutes	<p>Troubleshooting Difficult Diabetics/Concurrent Disease</p> <ul style="list-style-type: none"> <li>• Develop a systematic approach to trouble shoot difficult diabetics</li> <li>• Understand how to adjust insulin therapy in the presence of concurrent disease including dose modifications, insulin type selection and monitoring strategies</li> <li>• Apply case-based problem-solving skills to real world scenarios, improving ability to manage challenging cases of diabetes with concurrent illness.</li> </ul>	<i>Dr. Jocelyn Mott</i>

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**Agenda (cont.)**

Session Duration	Topic	Presenter(s)
30 minutes	<p>Addison's Disease: Dosing Glucocorticoids</p> <ul style="list-style-type: none"> <li>Learners will understand the appropriate use of glucocorticoid therapy in acute adrenal crisis, including the timing and choice of glucocorticoids like dexamethasone and prednisolone</li> <li>Learners will be able to recognize the protocol for long-term glucocorticoid therapy, including initial dosing and gradual reduction to maintain stability</li> <li>Learners will be able to adjust glucocorticoid doses during stressful situations (e.g., surgery, illness) to prevent adrenal crisis and manage stress-induced exacerbations.</li> </ul>	<i>Dr. Nadja Sieber-Ruckstuhl</i>
30 minutes	<p>Atypical Addison's: Do they need DOCP?</p> <ul style="list-style-type: none"> <li>Understand factors that influence electrolyte concentrations</li> <li>Select the most appropriate tests to determine mineralocorticoid status</li> <li>Robustly defend your treatment decision with regard to the need for DOCP.</li> </ul>	<i>Dr. Carmel Mooney</i>
60 minutes	<p>Panel Discussion</p> <ul style="list-style-type: none"> <li>Discuss current topics in Addison's disease including application of DOCP and dosing Glucocorticoids</li> <li>Explore current recommendations for insulin and treatment of Diabetes</li> <li>Examine and discuss nutritional recommendations for patients with Diabetes Mellitus.</li> </ul>	<p><i>Dr. Valerie Parker</i>  <i>Dr. Jocelyn Mott</i>  <i>Dr. Nadja Sieber-Ruckstuhl</i>  <i>Dr. Carmel Mooney</i></p> <p><i>Moderator: Dr. Patty Lathan</i></p>

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**Agenda (cont.)**

Session Duration	Topic	Presenter(s)
30 minutes	<p>SGLT2i Background and Studies</p> <ul style="list-style-type: none"> <li>• Understand the reasoning behind many drug label recommendations outlining the proper patient Describe a practical approach to clinically screening cats as candidates for SGLT2i use</li> <li>• Identify clinical or biochemical findings associated with both a good treatment response as well as those suggesting inadequate or failed response to SGLT2i therapy</li> <li>• List commonly encountered adverse events associated with SGLT2i use in cats.</li> </ul>	<i>Dr. Andrew Bugbee</i>
30 minutes	<p>SGLT2i in the Field: Naïve and Pre-Treatment with Insulin</p> <ul style="list-style-type: none"> <li>• Understand ways to recognize and manage initial challenges with SGLT2i treatment</li> <li>• Demonstrate understanding of when to discontinue SGLT2i and transition to insulin, and when not to start SGLT2i at all.</li> </ul>	<i>Dr. Renee Rucinsky</i>
30 minutes	<p>SGLT2i--Complicated Cases: Steroids and Acromegaly</p> <ul style="list-style-type: none"> <li>• Recognize and assess which steroid induced diabetic patients may be suitable for SGLT2i treatment</li> <li>• Understand how to safely and effectively incorporate SGLT2i treatment into hypersomatotropism management.</li> </ul>	<i>Dr. Andrew Bugbee</i> <i>Dr. Renee Rucinsky</i>

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**Agenda (cont.)**

Session Duration	Topic	Presenter(s)
60 minutes	<p>SGLT2i Panel Discussion</p> <ul style="list-style-type: none"> <li>Discuss SGLT2i Background and Studies</li> <li>Discuss SGLT2i in the field including naïve and pre-treatment with insulin.</li> </ul>	<p><i>Dr. Andrew Bugbee</i> <i>Dr. Renee Rucinsky</i></p> <p><i>Moderator: Dr. Patty Lathan</i></p>
30 minutes	<p>EDKA--Is it Really That Different?</p> <ul style="list-style-type: none"> <li>To recognize relevant pathophysiology and risk factors of eDKA in cats</li> <li>To know the current diagnostic criteria and therapeutic strategies for eDKA in cats</li> <li>To understand relevant differences between traditional DKA and eDKA in cats.</li> </ul>	<p><i>Dr. Christopher Byers</i></p>

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**Agenda (cont.)**

Session Duration	Topic	Presenter(s)
30 minutes	<p>Monitoring Trilostane: ACTH Stimulation Test</p> <ul style="list-style-type: none"> <li>Understand why performance of an ACTH stimulation test for assessment of trilostane therapy may be preferred</li> <li>Determine how best to perform an ACTH stimulation test given all possible variations of the test.</li> </ul>	<i>Dr. Ellen Behrend</i>
30 minutes	<p>Monitoring Trilostane: Pre-Pill Cortisol</p> <ul style="list-style-type: none"> <li>Know the scientific basis of the ACTH stimulation test for the monitoring of canine hyperadrenocorticism</li> <li>Understand the basis of the pre-pill cortisol and the evidence basis behind this method</li> <li>Be able to compare the two methods and interpret both methods in a clinical context.</li> </ul>	<i>Dr. Ian Ramsey</i>
30 minutes	<p>Over- and Under-Response to Trilostane: What to Do?</p> <ul style="list-style-type: none"> <li>Recognize the clinical signs and diagnostic approach to iatrogenic Addisonian crisis in dogs receiving trilostane treatment</li> <li>Understand the principles behind managing an Addisonian crisis, including appropriate interventions and adjustments to trilostane therapy</li> <li>Identify when to escalate treatment to alternative therapies (mitotane or hypophysectomy) in cases where high doses of trilostane fail to achieve clinical improvement.</li> </ul>	<i>Dr. Federico Fracassi</i>

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Agenda (cont.)

Session Duration	Topic	Presenter(s)
30 minutes	<p>Radiation Therapy for Pituitary Tumors: What Internists Need to Know</p> <ul style="list-style-type: none"> <li>Understand prognostic factors, risk factors, and potential radiotherapy complications of pituitary irradiation</li> <li>Understand how patient selection and prognostic factors influence choice of various fractionation protocols for pituitary tumors</li> <li>Describe post-therapy expectations during follow-up care.</li> </ul>	Dr. Jayme Looper
30 minutes	<p>Hypophysectomy for Treatment of Canine Pituitary Dependent Hypercortisolism: What Internists Need to Know</p> <ul style="list-style-type: none"> <li>Identify patients with hypercortisolism that are most likely to have a good outcome after hypophysectomy</li> <li>Work with the other members of the hypophysectomy team to design a protocol for patient preparation and perioperative monitoring</li> <li>Implement a post surgical monitoring protocol to minimize post-operative complications and implement effective treatment of resultant hormonal deficiencies.</li> </ul>	Dr. Catharine Scott-Moncrieff
60 minutes	<p>Panel Discussion</p> <ul style="list-style-type: none"> <li>Discuss current topics in hypophysectomy for treatment of canine pituitary dependent hypercortisolism</li> <li>Discuss current topics in radiation therapy for pituitary tumors</li> <li>Discuss current applications of trilostane including response, pre-pill cortisol, and ACTH stimulation test.</li> </ul>	<p>Dr. Ellen Behrend Dr. Ian Ramsey Dr. Federico Fracassi Dr. Jayme Looper Dr. Catharine Scott-Moncrieff Dr. Christopher Byers</p> <p>Moderator: Dr. Patty Lathan</p>

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**Agenda (cont.)**

Session Duration	Topic	Presenter(s)
30 minutes	<p>Corticosteroid-Secreting Adrenal Tumors in Cats: What's New?</p> <ul style="list-style-type: none"> <li>• Develop a practical diagnostic plan for hyperaldosteronism and other related adrenocortical diseases in cats</li> <li>• Identify clinical and biochemical clues that should prompt consideration of multi-hormone secreting adrenal tumors</li> <li>• Select appropriate treatments for routine hyper-aldosteronism cases as well as cases that are complicated by other hormone abnormalities.</li> </ul>	<i>Dr. Daniel Langlois</i>
30 minutes	<p>Diagnosing Pheos</p> <ul style="list-style-type: none"> <li>• Recognize pheochromocytoma in dogs through clinical signs and imaging</li> <li>• Understand the key aspects of endocrine testing for pheochromocytoma</li> <li>• Learn about the role of cytology and histopathology in diagnosing pheochromocytoma.</li> </ul>	<i>Dr. Sara Galac</i>
30 minutes	<p>Panel Discussion</p> <ul style="list-style-type: none"> <li>• Discuss diagnosing pheos</li> <li>• Discuss current issues in corticosteroid-secreting adrenal tumors in cats.</li> </ul>	<p><i>Dr. Daniel Langlois</i> <i>Dr. Sara Galac</i></p> <p><i>Moderator: Dr. Patty Lathan</i></p>

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Agenda (cont.)

Session Duration	Topic	Presenter(s)
30 minutes	<p>Radioactive Iodine Treatment for Feline Hyperthyroidism: Fixed Dosing Methods</p> <ul style="list-style-type: none"> <li>Understand the advantages and disadvantages of fixed dosing protocols for treatment of feline hyperthyroidism</li> <li>Determine the factors that should be considered when choosing a dose of radioactive iodine using a fixed dose protocol</li> <li>Develop an effective post treatment monitoring protocol for cats treated with a fixed dose protocol.</li> </ul>	<i>Dr. Catharine Scott-Moncrieff</i>
30 minutes	<p>Radioactive Iodine Treatment for Feline Hyperthyroidism: Individualized Dosing Algorithmic Method</p> <ul style="list-style-type: none"> <li>To understand how thyroid scintigraphy measurements, serum thyroid hormone concentrations, and radioiodine uptake values can be used to calculate optimal patient-specific radioiodine doses in hyperthyroid cats</li> <li>To compare treatment outcomes between fixed-dose and individualized radioiodine protocols, including effects on cure rates, hypothyroidism risk, and development of post-treatment azotemia</li> <li>To identify key predictive factors for treatment success and recognize which cats are most likely to benefit from individualized vs standard <sup>131</sup>I dosing protocols.</li> </ul>	<i>Dr. Mark Peterson</i>
30 minutes	<p>Panel Discussion</p> <ul style="list-style-type: none"> <li>Discuss and compare application of algorithmic method</li> <li>Discuss radioactive iodine treatment for feline hyperthyroidism: Fixed dosing methods.</li> </ul>	<p><i>Dr. Catharine Scott-Moncrieff</i> <i>Dr. Mark Peterson</i> <i>Moderator: Dr. Patty Lathan</i></p>



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**Agenda (cont.)**

Session Duration	Topic	Presenter(s)
30 minutes	<p>Using Diet to Address Hypercalcemia in Cats</p> <ul style="list-style-type: none"> <li>• Compare nutritional strategies for the management of hypercalcemia in cats</li> <li>• Convert % nutrients (as fed) to grams (or mg) per 100 kilocalories</li> <li>• Implement a nutritional plan for a cat with hypercalcemia.</li> </ul>	<i>Dr. Valerie Parker</i>
30 minutes	<p>Using Cinacalcet for HPTH</p> <ul style="list-style-type: none"> <li>• Understand the mechanism of action of type II Calcimimetics</li> <li>• Select a protocol for monitoring Cinacalcet in practice for dogs with PHPT</li> <li>• Apply the information on dosing and toxicity associated with the use of Cinacalcet in dogs with PHPT based upon findings from a prospective trial using Cinacalcet in dogs with PHPT.</li> </ul>	<i>Dr. Heidi Ward</i>
30 minutes	<p>Panel Discussion</p> <ul style="list-style-type: none"> <li>• Discuss using Cinacalcet for HPTH</li> <li>• Discuss using diet to address hypercalcemia in cats.</li> </ul>	<p><i>Dr. Valerie Parker</i>  <i>Dr. Heidi Ward</i>  <i>Dr. Dennis Chew</i></p> <p><i>Moderator: Dr. Patty Lathan</i></p>