


ACVIM Endocrinology Course Schedule

	Thursday, October 28	Friday, October 29	Saturday, October 30
7:00 am - 8:00 am	REGISTRATION		
	Session One: Thyroid Disease	Session Three: Diabetes Mellitus	Session Five: Other Endocrine Disease
8:00 am - 9:00 am	<p style="text-align: center;">Diagnostic Testing for Thyroid Disease</p> <ul style="list-style-type: none"> • Laboratory Diagnosis of Canine Hypothyroidism • Approach to Discordant Test Results in Dogs • Approach to Discordant Test Results in Cats <p style="text-align: center;"><i>R. Kemppainen & M. Peterson</i></p>	<p style="text-align: center;">Treatment of Diabetes Mellitus</p> <ul style="list-style-type: none"> • Brief Overview: Initial Management of Diabetic Dogs & Cats • Update on Insulin Preparations • Critical Evaluation of Dietary Recommendations <p style="text-align: center;"><i>T. Graves & R. Nelson</i></p>	<p style="text-align: center;">Thyroid Issues</p> <ul style="list-style-type: none"> • Imaging in Diagnosis • Treatment of Thyroid Carcinoma • Non-functional Nodules in Cats: Diagnosis & Plan <p style="text-align: center;"><i>M. Peterson, C. Scott-Moncrieff</i></p>
9:00 am - 10:00 am	<p style="text-align: center;">Clinical Aspects of Hypothyroidism</p> <ul style="list-style-type: none"> • Clinical Signs & Routine Clinicopathological Findings • Treatment: Is a Name Brand Necessary? • Neurological Manifestations - Are They Real? <p style="text-align: center;"><i>R. Kemppainen & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Monitoring Diabetic Patients</p> <ul style="list-style-type: none"> • Indications, Interpretation, & Pitfalls of Blood Glucose Curves • Indications, Interpretation, & Pitfalls of Serum Fructosamine Measurements • Pros & Cons of Home Glucose Monitoring <p style="text-align: center;"><i>R. Nelson & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Adrenal Issues</p> <ul style="list-style-type: none"> • Newer Diagnostic Approaches for Hypoadrenocorticism • Critical Illness-Related Corticosteroid Insufficiency: Is it Real? • Update on Trilostane <p style="text-align: center;"><i>E. Behrend & C. Scott-Moncrieff</i></p>
10:00 am - 10:20 am	REFRESHMENT BREAK	REFRESHMENT BREAK	REFRESHMENT BREAK
10:20 am - 11:20 am	<p style="text-align: center;">Clinical Aspects of Hyperthyroidism</p> <ul style="list-style-type: none"> • Methimazole: Brand Name, Generic, or Compounded? • Alternative Medical Treatments • Treatment of Hyperthyroidism & Concurrent Renal Disease <p style="text-align: center;"><i>M. Peterson</i></p>	<p style="text-align: center;">Treatment of Complicated Diabetic Cases</p> <ul style="list-style-type: none"> • Difficult Regulation: Differentials & Diagnostic Approach • Diabetic Remission: Is Insulin the Key? • Subclinical Diabetes: Is Treatment Warranted? <p style="text-align: center;"><i>R. Nelson</i></p>	<p style="text-align: center;">Adrenal Issues</p> <ul style="list-style-type: none"> • Update on Feline Hyperadrenocorticism • Update on Aldosterone Disorders • Pheochromocytoma: Diagnosis & Treatment <p style="text-align: center;"><i>E. Behrend, T. Graves & R. Nelson</i></p>
11:20 am - 12:20 pm	<p style="text-align: center;">Panel Discussion</p> <p style="text-align: center;"><i>E. Behrend, D. Chew, T. Graves, R. Kemppainen, R. Nelson, M. Peterson & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Panel Discussion</p> <p style="text-align: center;"><i>E. Behrend, D. Chew, T. Graves, R. Kemppainen, R. Nelson, M. Peterson & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Discussion & Wrap Up</p> <p style="text-align: center;"><i>E. Behrend, D. Chew, T. Graves, R. Kemppainen, R. Nelson, M. Peterson & C. Scott-Moncrieff</i></p>
12:20 pm - 1:00 pm	LUNCH - PROVIDED	LUNCH - PROVIDED	COURSE CONCLUDES
	Session Two: Canine Adrenal Disease	Session Four: Calcium Disorders	
1:00 pm - 2:00 pm	<p style="text-align: center;">Diagnosis of Hyperadrenocorticism</p> <ul style="list-style-type: none"> • Diagnosis of Typical Hyperadrenocorticism • Atypical Hyperadrenocorticism: Is it Real? • Approach to Discordant Diagnostic Test Results <p style="text-align: center;"><i>E. Behrend, R. Kemppainen & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Pathophysiology & Diagnosis of Calcium Disorders</p> <ul style="list-style-type: none"> • Calcium-sensing Receptor Physiology & Pharmacology • Feline Idiopathic Hypercalcemia: What Causes It? • Differential Diagnoses for Hypercalcemia <p style="text-align: center;"><i>D. Chew & T. Graves</i></p>	<p>Sponsored by:</p> 
2:00 pm - 3:00 pm	<p style="text-align: center;">Treatment of Hyperadrenocorticism</p> <ul style="list-style-type: none"> • To Treat or Not to Treat? • When to Use Mitotane vs. Trilostane • Transitioning Between Mitotane & Trilostane <p style="text-align: center;"><i>E. Behrend & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Treatment of Calcium Disorders</p> <ul style="list-style-type: none"> • Managing Primary Hyperparathyroidism Patients Post-op: Use & Misuse of Calcium Salts • What to Do When Parathyroidectomy Does Not Restore Normocalcemia • Clinical Pharmacology of Bisphosphonates <p style="text-align: center;"><i>D. Chew & T. Graves</i></p>	
3:00 pm - 3:20 pm	REFRESHMENT BREAK	REFRESHMENT BREAK	
3:20 pm - 4:20 pm	<p style="text-align: center;">Treatment of Hypoadrenocorticism</p> <ul style="list-style-type: none"> • Treatment Pitfalls & Issues • Diagnosis of Atypical Addison's Disease • Prednisone - When is it Needed & How Much? <p style="text-align: center;"><i>E. Behrend, M. Peterson, & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Clinical Aspect of Renal Secondary Hyperparathyroidism</p> <ul style="list-style-type: none"> • Pathogenesis of Renal Secondary Hyperparathyroidism • Treatment: Calcitriol, Activated Vitamin D Analogues & Calcimimetics • Control of Hyperphosphatemia: Diet & Drugs <p style="text-align: center;"><i>D. Chew & T. Graves</i></p>	
4:20 pm - 5:20 pm	<p style="text-align: center;">Panel Discussion</p> <p style="text-align: center;"><i>E. Behrend, D. Chew, T. Graves, R. Kemppainen, R. Nelson, M. Peterson & C. Scott-Moncrieff</i></p>	<p style="text-align: center;">Panel Discussion</p> <p style="text-align: center;"><i>E. Behrend, D. Chew, T. Graves, R. Kemppainen, R. Nelson, M. Peterson & C. Scott-Moncrieff</i></p>	
5:30 pm - 6:30 pm	WELCOME RECEPTION		

Overview: This 20-hour case-based course will cover hot and/or controversial topics in clinical small animal endocrinology, including canine and feline adrenal and thyroid diseases, diabetes mellitus and calcium disorders. Each of the five 4-hour sessions will cover nine 15-minute short lectures, with the last hour of each session dedicated to interaction and discussion among presenters and attendees.

Session One: Thyroid Disease

Attendees will:

- Learn about diagnostic testing, specifically laboratory diagnosis of canine hypothyroidism and how to approach discordant test results for canine hypothyroidism and feline hyperthyroidism.
- Focus on clinical aspects of canine hypothyroidism: clinical signs and routine clinicopathological findings, whether use of a brand name of thyroxine is necessary for treatment and whether neurological manifestations of hypothyroidism really exist.
- Consider clinical aspects of feline hyperthyroidism, specifically use of brand name, generic or compounded methimazole, alternative medical treatments, and the approach to treatment of cats with hyperthyroidism and concurrent renal disease.

Session Two: Canine Adrenal Disease

Attendees will:

- Focus on diagnosis of canine hyperadrenocorticism, critically evaluating the diagnostic testing available, how to approach discordant test results and the evidence behind atypical hyperadrenocorticism and whether the syndrome is real.
- Consider treatment options; whether or not all affected dogs need to be treated, how to decide between mitotane or trilostane use for medical therapy and how to transition between the two drugs if need be.
- Learn about diagnosis of atypical hypoadrenocorticism, treatment pitfalls and issues and how and when to use prednisone therapy.

Session Three: Diabetes Mellitus

Attendees will:

- Concentrate on treatment of diabetic cases, starting with an overview of treatment then progressing to an update on insulin preparations currently available and a critical consideration of dietary recommendations.
- Learn how indications, interpretation and pitfalls of both glucose curves and serum fructosamine measurements will be evaluated along with the pros and cons of home glucose monitoring.
- Learn how to approach difficult cases, the role of insulin in inducing diabetic remission, and the need to treat subclinical diabetes.

Session Four: Calcium Disorders

Attendees will:

- Focus on pathophysiology and diagnosis of calcium disorders. Attendees will explore the recently understood concepts of the calcium-sensing receptor (CaR) in its role for the normal control of circulating ionized calcium and introduce possible roles for the CaR in diseases of calcium metabolism, as well as the mechanism of action for calcimimetics. An overview for all the conditions that can result in hypercalcemia will be presented and the specifics of idiopathic hypercalcemia in cats detailed.
- Learn about treatment options for primary hyperparathyroidism, including management of post-operative hypocalcemia. We will discuss what to do when parathyroidectomy does not restore normocalcemia and will provide an overview of the clinical pharmacology of bisphosphonates and their expanding role in treatment of calcium disorders.
- Learn about the clinical aspects of renal secondary hyperparathyroidism (RSHPTH). FGF-23 is a central player in its pathogenesis that has not yet received much attention in veterinary medicine, but it is pivotal in our understanding of changes that occur with PTH and early chronic kidney disease. The use of calcitriol, calcitriol analogues, calcimimetics and excellent relief of total body phosphorus burden will be illustrated as treatments designed to control RSHPTH.

Session Five: Other Endocrine Disease

Attendees will:

- Focus on canine and feline thyroid diseases, specifically how to use imaging in their diagnosis, treatment options for canine thyroid carcinoma and how to approach cats with non-functional nodules.
- Learn about a variety of diseases of both the adrenal cortex and medulla as well as hyper- and hypo-functional states. Topics to be considered will be newer diagnostic tests for hypoadrenocorticism, whether critical illness-related corticosteroid insufficiency (previously known as relative adrenal insufficiency) exists in veterinary medicine, and a clinical approach to pheochromocytomas. In addition, updates on use of trilostane, feline hyperadrenocorticism and aldosterone disorders will be presented.