

## ORAL PRESENTATIONS

## CARDIOLOGY\*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
9:00 am	C-1	234	Cardiac Specific Calcium Uptake Genes Expressed in Peripheral Blood Effectively Reflect Myocardial Distress Induced By Hemodynamic Change	Junseok Lee
9:15 am	C-2	234	<b>Differentiating Cardiac Vs Non-Cardiac Causes of Pleural Effusion in Cats Using Plasma and Pleural Fluid with a Point-of-Care NT-proBNP Test</b>	Melanie Hezzell
9:30 am	C-3	234	<b>Pre-Specified Escalation of Medical Therapy Reduces Plasma NT-proBNP Concentrations in Dogs with Stable CHF Due to Mitral Valve Disease</b>	Melanie Hezzell
9:45 am	C-4	234	<b>Biological Variability of N-Terminal Pro-Brain Natriuretic Peptide in Adult Healthy Cats</b>	Autumn Harris
			<b>BREAK</b>	
10:30 am	C-5	234	Microna Signaling Networks in a Canine Model of Mitral Regurgitation	SeungWoo Jung
10:45 am	C-6	234	Effect of Acute Volume Overload on the Left Atrial Phasic Function in Healthy Dogs	Tatsuyuki Osuga
11:00 am	C-7	234	Doppler Echocardiographic Assessment Of Left Ventricular +Dp/Dt and -Dp/Dt in Dogs with Chronic Mitral Valve Disease	Caio Nogueira Duarte
11:15 am	C-8	234	Clinical Characteristics in 35 Dogs Over 5 Years of Age Diagnosed with Patent Ductus Arteriosus	Bruno Boutet
11:30 am	C-9	234	Evaluation of the Correlation Between Serum Homocysteine Concentrations and the Severity of Mitral Valve Disease	Lee Chang-Min
11:45 am	C-10	234	Echocardiographic Diagnosis and Outcome of Constrictive Pericardial Disease in Dogs (18 Cases: 2002-2013)	Justin Thomason
12:00 pm	C-11	234	<b>Timolol Ophthalmic Solution for Diastolic Function Testing in Cats: A Pilot Study of Heart Rate and Echocardiographic Effects</b>	Catherine Gunther-Harrington
12:15 pm	C-12	234	Changes in the Biomechanics of the Left Ventricle in Healthy Young and Adult Great Danes	Ilaria Spalla
			<b>BREAK</b>	
4:30 pm	C-13	Sagamore: 1-2	Plasma L-Citrulline Concentrations in L-Arginine-Treated Dogs: A Pilot Study for the Treatment of Pulmonary Hypertension	Kelly Flynn
4:45 pm	C-14	Sagamore: 1-2	Left Atrial Volume Obtained By Biplane Simpson Method in Healthy Dogs: Body Weight and Body Surface Area	Fernando Rosa
5:00 pm	C-15	Sagamore: 1-2	Determination of Lactate Threshold in Dogs with Degenerative Mitral Valve Disease Submitted to Incremental Exercise Test	Aparecido Camacho
5:15 pm	C-16	Sagamore: 1-2	Familial Ventricular Arrhythmias and Sudden Cardiac Death in The Young Rhodesian Ridgeback	Kathyn Meurs
5:30 pm	C-17	Sagamore: 1-2	NT-proBNP and Troponin I (Ctni) Levels As Screening Biomarkers in Irish Wolfhounds	William Tyrrell

\*Also See Small Animal Cardiology abstracts C-18-C-25, Friday, June 5, 8:00 am - 10:00 am.

## NEUROLOGY

9:00 am	N-1	232	Neuroprotective Effects of Dantrolene and Mesenchymal Stem Cells on Acute Spinal Cord Injury	Bruno Torres
9:15 am	N-2	232	Congenital Myasthenic Syndrome in Jack Russell Terriers Is Caused By a Frameshift Mutation in CHRNE	G. Diane Shelton
9:30 am	N-3	232	<b>Prognostic Indicators for the Functional Outcome of Deep Pain Negative Dachshunds</b>	Kathryn Winger
9:45 am	N-4	232	<b>Retrospective Evaluation of Horses Diagnosed with Lyme Neuroborreliosis on Postmortem Examination: 13 Cases (2004-2014)</b>	Laura Johnstone
			<b>BREAK</b>	

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## ORAL PRESENTATIONS

<b>NEUROLOGY</b> <i>(continued)</i>				
TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
10:30 am	N-5	232	Brain Herniation in 113 Cats: A Descriptive Study	Maria Ines de Freitas
10:45 am	N-6	232	<b>Evaluation of Temozolomide and Gadolinium Conjugated PLGA Microcylinders in the Canine Brain</b>	Jill Hicks
11:00 am	N-7	232	<b>Biomechanical and Radiological Comparison Between Transarticular Screw Fixation and 2 Multi-Implant Constructs for Ventral Atlantoaxial Stabilization in the Dog</b>	Guillaume Leblond
11:15 am	N-8	232	<b>Computed Tomography Guided Sterotaxic Navigation of the Canine Thoracolumbar Spine</b>	Nicholas Archambault
11:30 am	N-9	232	<b>Pharmacokinetics of Single Dose Rectal Zonisamide in Healthy Dogs</b>	Jennifer Michaels
11:45 am	N-10	232	Fenestration of the Lateral Ventricle in the Management of Obstructive Hydrocephalus in Young Small Animals	Andy Shores
12:00 pm	N-11	232	Clinical Characteristics and Outcome of Cases Diagnosed with Electrographic Seizure in 73 Dogs and 13 Cats	Liana Granum
12:15 pm	N-12	232	Utility of a Clinical Scoring System and Ocular Pharmacological Tests for Ante-Mortem Diagnosis of Feline Dysautonomia	Thomas Cave
			<b>BREAK</b>	
2:15 pm	N-13	232	<b>Utility of Von Frey Anesthesiometry to Assess Recovery of Sensory Function After Thoracolumbar Intervertebral Disc Extrusion in Dogs</b>	Rachel Song
2:30 pm	N-14	232	Endoscopic Laminectomy Technique in Dogs with Hansen Type I Disc Disease	Natalya Ulanova
2:45 pm	N-15	232	An Internet Survey of the Approach to Neurosurgical Emergencies By ACVECC Diplomates	Elizabeth Parsley
3:00 pm	N-16	232	Neuroprotective Effects of Riluzole and Dantrole Association on Acute Spinal Cord Injury	Bernardo Martins
<b>ONCOLOGY</b>				
9:00 am	O-1	233	Phase I Lead-in and Subsequent Randomized Trial Assessing Safety and Modulation of Regulatory T Cell Numbers Following a Maximally Tolerated Dose Doxorubicin and Metronomic Dose Cyclophosphamide Combination Chemotherapy Protocol in Tumor-Bearing Dogs ( <i>VCS Award Winner</i> )	Rachel Rasmussen
9:15 am	O-2	233	Inhibition of Hedgehog Signaling Inhibits Proliferation in Canine Transitional Cell Carcinoma ( <i>VCS Award Winner</i> )	Tonya Gustafson
9:30 am	O-3	233	Adjuvant Alpha-Tocopherol & Improved Anticancer Efficacy in an Immune Competent Pre-Clinical Model	Michelle Beehler
9:45 am	O-4	233	<b>Metronomic Antiangiogenic Therapy After Amputation and Suramin/ Doxorubicin Chemotherapy Does Not Improve the Disease Free Interval or Survival in Retired Racing Greyhounds with Osteosarcoma</b>	Francisco Clemente-Vicario
			<b>BREAK</b>	
10:30 am	O-5	233	<b>Investigating NQOL As a Radiation Inducible Enzyme in Osteotropic Neoplasms and Targeted Therapy with the Novel Drug Deoxyxyboquinone</b>	Alycen Lundberg
10:45 am	O-6	233	A Prospective, Open-Label Study Evaluating Treatment of Canine B-Cell Lymphoma with L-Asparaginase, Doxorubicin and a Canine Anti-CD20 Monoclonal Antibody	Carlos Rodriguez Jr.
11:00 am	O-7	233	Characterization of Immunoglobulin Gene Use and Mutation Status in Canine B Cell Chronic Lymphocytic Leukemia	Emily Rout
11:15 am	O-8	233	Molecular Changes Associated with the Development of Resistance to Imatinib in an Imatinib Sensitive Canine Neoplastic Mast Cell Line Carrying a Kit C. 1523>T Mutation	Masato Kobayashi

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## ORAL PRESENTATIONS

**ONCOLOGY** (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
11:30 am	O-9	233	Fixed Dose Rate Gemcitabine in the Cat	Crystal Garnett
11:45 pm	O-10	233	Pharmacokinetics and Bioavailability of Metformin in Dogs	Charlotte Johnston
12:00 pm	O-11	233	Genescan Analysis for the Differentiation of Clonal Origin of Cells in Dogs That Developed Two Different Types of Lymphoid Malignancies	Saaya Hiyoshi

**SMALL ANIMAL—GASTROENTEROLOGY**

9:00 am	GI-1	210	Effect of Gastrointestinal Parasites and Viral Agents on Fecal S100A12 Concentrations in Puppies	Romy Heilmann
9:15 am	GI-2	210	Prolonged Administration of Prednisolone Alone or in Combination with Azathioprine Alters Serum Canine Pancreatic Lipase Immunoreactivity (Spec cPLTM) in Dogs	Hiroshi Ohta
9:30 am	GI-3	210	The Effect of the Probiotic Sivoytm on Fecal Microbial Composition in Healthy Dogs	Blake Guard
9:45 am	GI-4	210	Quantitative and Qualitative Identification of Feline <i>Tritrichomonas Foetus</i> Surface Antigens: Putative Targets for Diagnosis and Treatment	Emily Gould
			<b>BREAK</b>	
10:30 am	GI-5	210	Cytopathological Findings of Fecal or Rectal Cytology Samples From Dogs Identified with or without the Presence of <i>Cydiclomyces guttulatus</i>	Jenessa Winston
10:45 am	GI-6	210	Natural History of Biliary Sludge in Dogs	Stefanie DeMonaco
11:00 am	GI-7	210	Identification of Histamine Receptors in the Canine Gastrointestinal Tract	Alyssa Sullivant
11:15 am	GI-8	210	Alterations in Fecal Metabolite Profiles of Dogs with Chronic Enteropathy	JB Honneffer
11:30 am	GI-9	210	Targeted Serum Amino Acid Analysis of Hypocobalaminemic Dogs with Decreased or Increased Serum Folate Concentrations	Rosana Lopes
11:45 am	GI-10	210	Serum Amino Acid Analysis in Hypocobalaminemic Dogs with Exocrine Pancreatic Insufficiency	Rosana Lopes
12:00 pm	GI-11	210	Effects of an Oral Supplement Based on Chondroitin Sulfate, Resistant Starch, and Prebiotics in Dogs with IBD	Sergi Segarra
12:15 pm	GI-12	210	Gastrointestinal Endoscopic Mucosal Lesion Scores in Healthy Dogs Receiving Prednisone, Aspirin, and Omeprazole	Jacqueline Whittemore
			<b>BREAK</b>	
2:15 pm	GI-13	231	Characterization of Canine Dysphagia in a Veterinary University Hospital	Cecily Bonadio
2:30 pm	GI-14	231	Ability of Ultrasound to Predict the Presence and Location of Histologic Lesions in the Small Intestine of Cats	Talia Guttin
2:45 pm	GI-15	231	Prognostic Factors for Short- and Long-Term Survival in Dogs with Protein-Losing Enteropathy	Paola Gianella
3:00 pm	GI-16	231	Evaluating Quality and Adequacy of Gastrointestinal Samples with Reusable and Disposable Forceps	Jennifer Sinclair
3:15 pm	GI-17	231	Double-Blind, Placebo-Controlled Ultrasonographic Evaluation of the Effects of Antiemetic Drugs on Antral Motility and Gastric Emptying in Healthy Dogs	Kelli Bogard
3:30 pm	GI-18	231	Evaluation of the Effects of a 2-Week Treatment with Metronidazole on the Fecal Microbiome of Healthy Dogs	Erin Olson
3:45 pm	GI-19	231	Gastrokine mRNA Expression Is Up-Regulated in Gastric Tissue From Dogs with <i>Helicobacter</i> Colonization but without Inflammatory Change	Mellora Sharman
			<b>BREAK</b>	
4:30 pm	GI-20	231	Fecal Short-Chain Fatty Acid Concentrations in Dogs with Chronic Enteropathy	Yasushi Minamoto
4:45 pm	GI-21	231	Assessment of Serum Lipoprotein Profiles in Dogs with Chronic Enteropathy and Healthy Control Dogs	Tomomi Minamoto

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## ORAL PRESENTATIONS

## SMALL ANIMAL—GASTROENTEROLOGY (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
5:00 pm	GI-22	231	Serum Homocysteine Concentrations in Greyhounds	Niels Grützner
5:15 pm	GI-23	231	Effect of the Probiotic <i>Enterococcus faecium</i> SF 68 on Presence of Diarrhea in Weanling Kittens	Stanley Marks
5:30 pm	GI-24	231	Fecal N-Methylhistamine Concentrations in Dogs with Exocrine Pancreatic Insufficiency	Joseph Parambeth
5:45 pm	GI-25	231	The Effect of the Probiotic Sivoy™ on Clinical and Histopathological Parameters in Cats with Chronic Idiopathic Constipation and Megacolon	Giacomo Rossi
6:00 pm	GI-26	231	Effects of a Synthetic Serine Protease Inhibitor, Camostat Mesilate (FOY-305), on Markers of Pancreatic Acinar Cell Damage, Inflammation, and Fibrosis in Dogs with Suspected Naturally Occurring Chronic Pancreatitis	Tim Kretzschmar

## SMALL ANIMAL—IMMUNOLOGY

9:00 am	IM-1	231	<b>Thymidine Kinase, C-Reactive Protein and Vitamin D Concentrations in Dogs with Immune-Mediated Thrombocytopenia and Immune-Mediated Hemolytic Anemia</b>	Megan Grobman
9:15 am	IM-2	231	Comparison of Proliferative and Immunomodulatory Potential of Adipose-Derived Mesenchymal Stem Cells From Young and Old Cats	Lara Barron
9:30 am	IM-3	231	Association of a Variant Allele in the Dog Leukocyte Antigen Class I Gene DLA-79 with Multiple Canine Autoimmune Diseases	Steven Friedenber

## SMALL ANIMAL—HEMATOLOGY

10:30 am	HM-1	231	<b>The Individual and Combined Effects of Long-Chain N-3 Polyunsaturated Fatty Acids and Low-Dose Acetylsalicylic Acid on Platelet Function in Healthy Dogs</b>	Shannon Westgarth
10:45 am	HM-2	231	Dogs Cast Nets Too: Neutrophil Extracellular Traps in Health and Immune-Mediated Hemolytic Anemia	Unity Jeffery
11:00 am	HM-3	231	Effects of Leukoreduction on Coagulation Factors in Canine Fresh Frozen Plasma	Michelle Foote
11:15 am	HM-4	231	Production and Characterization of Anti-Dal Antibodies Following Sensitization of a Dal-Negative Dog	Stéphanie Goulet
11:30 am	HM-5	231	Effects of Leukoreduction and Storage on Phosphatidylserine Expression on Canine Packed Red Blood Cells	Samantha Muro
11:45 am	HM-6	231	Pre-Operative Evaluation of Hemostatic Biomarkers in Stable Dogs Undergoing Splenectomy for Splenic Masses	AM Lynch

## SMALL ANIMAL—INFECTIOUS DISEASE

2:15 pm	ID-1	233	Canine Vector-Borne Disease Prevalence in Dogs From the Southeastern United States Diagnosed with Immune-Mediated Hemolytic Anemia and/or Immune-Mediated Thrombocytopenia	Edward Breitschwerdt
2:30 pm	ID-2	233	Evaluation of the FIP Virus Realpcr® Test and the Impact of Sample Selection on the Detection of the Virulent Strain of Feline Coronavirus in FIP Suspect Cats	Nancy Sanders
2:45 pm	ID-3	233	<i>Anaplasma phagocytophilum</i> and <i>Borrelia burgdorferi</i> Infections in Cats Exposed Repeatedly to <i>Ixodes scapularis</i>	Michael Lappin
3:00 pm	ID-4	233	Comparison of Results of 2 Assays Detecting <i>Dirofilaria immitis</i> Antigen and <i>Ehrlichia canis</i> Antibodies Using Samples From High and Low Risk Regions	Michael Lappin
3:15 pm	ID-5	233	Attempted Transmission of <i>Bartonella henselae</i> to Cats By Ingestion of Infected <i>Ctenocephalides felis</i>	Michael Lappin
3:30 pm	ID-6	233	Multiple Drug Resistance in Canine Urinary Tract Pathogens	Erin Burton
3:45 pm	ID-7	233	Splenitis in Dogs: A Review of 33 Cases (2005-2013)	Filippo Ferri
			<b>BREAK</b>	

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## ORAL PRESENTATIONS

**SMALL ANIMAL—INFECTIOUS DISEASE** (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
4:30 pm	ID-8	233	<b><i>Cyniclomyces guttulatus</i> From Domestic Dogs and Laboratory Rabbits Have Distinct Genotypes</b>	Jenessa Winston
4:45 pm	ID-9	233	Comparison of 2 Commercially Available PCR Assays for the Amplification of <i>Ehrlichia</i> Spp. DNA From Blood of Naturally Exposed Dogs in Oklahoma	Madeline Anna
5:00 pm	ID-10	233	Infection of <i>Babesia conradae</i> in Hunting Greyhounds From Oklahoma	Jennifer Thomas
5:15 pm	ID-11	233	Cross-Species Transmission of Canine Parvovirus 2 to Healthy Shelter Kittens	Christian Leutenegger
5:30 pm	ID-12	233	Serologic and Molecular Surveillance to Predict Prevalence of Canine Vector-Borne Diseases on the Island of St. Kitts	Diana Scorpio
5:45 pm	ID-13	233	Surveillance of Feral Cats in Central Iowa for Subclinical Infection with <i>Cytauxzoon felis</i>	JE Slovak
6:00 pm	ID-14	233	A Novel Pore-Forming Toxin in Type A <i>Clostridium perfringens</i> Associated with Fatal Canine Hemorrhagic Gastroenteritis and Neonatal Foal Necrotizing Enterocolitis	John Prescott
6:15 pm	ID-15	233	Effect of Parenteral Administration of Modified Live or Inactivated Feline Herpesvirus 1, Calicivirus, and Panleukopenia Vaccines on Clinical Signs in a Day 7 Feline Herpesvirus 1 Challenge Model	Stacie Summers

**SMALL ANIMAL—NUTRITION/METABOLISM**

9:00 am	NM-1	204	The Effects of a Medium Chain Triglycerides Diet Trial on Dogs with Idiopathic Epilepsy	Tsz Hong Law
9:15 am	NM-2	204	Evaluation of Serum Fatty Acids in Cats with Chronic Kidney Disease	Laura Tonkin
9:30 am	NM-3	204	Effects of Protein: Carbohydrate Ratios on Weight Loss in Overweight Cats	Yuanlong Pan
9:45 am	NM-4	204	Predictors of Core Temperature During Interval Exercise in Dogs	Patrick Robbins
<b>BREAK</b>				
10:30 am	NM-5	204	Safety of the Ghrelin Agonist, Capromorelin, Administered Daily to Beagle Dogs for One Year	Linda Rhodes
10:45 am	NM-6	204	Palatability and Clinical Effects of an Oral Recuperation Fluid During the Recovery of Dogs with Parvoviral Enteritis	Reut Tenne

**SMALL ANIMAL—PHARMACOLOGY**

11:15 am	P-1	204	<b>Effects of Aspirin and Cyclosporine on Canine T-Cell Cytokines and Regulatory T-Cells</b>	Claire Fellman
11:30 am	P-2	204	Measurement of Plasma Amlodipine Concentration Using LC/MS/MS at the Point of Blood Pressure Control in Hypertensive Cats	Esther Bijmans

**SMALL ANIMAL—ENDOCRINOLOGY**

2:15 pm	EN-1	234	The Feline AIP Gene: the Key to Hypersomatotropism Tumorigenesis? (ESVE Award Winner)	Christopher Scudder
2:30 pm	EN-2	234	Evaluation of Serum Thyroid Stimulating Hormone Concentration As a Diagnostic Test for Hyperthyroidism in Cats	Mark Peterson
2:45 pm	EN-3	234	<b>Efficacy of Low-Dose (2 Millicurie) Versus Standard-Dose (4 Millicurie) Radioiodine (<sup>131</sup>I) Treatment for Cats with Mild-to-Moderate Hyperthyroidism</b>	John Lucy
3:00 pm	EN-4	234	<b>Assessment of Renal Function in Hyperthyroid Cats Managed with Hill's® Prescription Diet® Y/D® Feline</b>	Heather Vaske
3:15 pm	EN-5	234	<b>Increases in Serum Beta Hydroxybutyrate in Cats with Chronic Kidney Disease, Hyperthyroidism, and Hepatic Lipidosis</b>	Lisa Gorman
3:30 pm	EN-6	234	Investigation of Dysproteinemia in Hyperthyroid Cats As a Biomarker of Concurrent Chronic Kidney Disease (CKD)	Tim Williams

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## ORAL PRESENTATIONS

**SMALL ANIMAL—ENDOCRINOLOGY** *(continued)*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
3:45 pm	EN-7	234	Efficacy of Prozincr Insulin in Naïve and Insulin-Established Cats Using Continuous Interstitial Glucose Monitoring	Cynthia Ward
			<b>BREAK</b>	
4:30 pm	EN-8	234	Metabolic Profiling of Diabetic Cats in Remission	Susan Gottlieb
4:45 pm	EN-9	234	<b>Safety and Efficacy Assessment of a GLP-1: Glargine Combination for Feline Diabetes</b>	<b>Margaret Scuderi</b>
5:00 pm	EN-10	234	<b>Diagnosis of Canine Hyperadrenocorticism Is Associated with Gender, Age, Breed, and Comorbid Conditions</b>	<b>Bianca Lourenço</b>
5:15 pm	EN-11	234	A Novel Protocol for Glucagon Stimulation Test in Cats Using Recombinant DNA Glucagon	Chen Gilor
5:30 pm	EN-12	234	Day-to-Day Variability of Serial Blood Glucose Curves in Diabetic Dogs Treated with Twice Daily NPH or Insulin Detemir	Chen Gilor
5:45 pm	EN-13	234	Effect of Glucosuria on Urine Specific Gravity (USG) in Dogs	Ellen Behrend
6:00 pm	EN-14	234	A Novel Cortisol Based Method for Monitoring Trilostane Therapy in Dogs with Hyperadrenocorticism	Laura Cosgrove
6:15 pm	EN-15	234	<b>Effect of Non-Thyroidal Illness on Serum Concentrations of T4, Free T4 and Thyroid Stimulating Hormone in Cats</b>	<b>Danielle Davignon</b>

**SMALL ANIMAL—NEPHROLOGY/UROLOGY\*\***

9:00 am	NU-1	239	<b>A New Method for Measuring Glomerular Filtration Rate (GFR) in Cats with Comparison to Two Standard Methods</b>	<b>Jewel Milo</b>
9:15 am	NU-2	239	Perioperative Complications, Mortality, and Long-Term Outcome of Ureteral Surgery and Ureteral Stenting in Cats: 117 Cases	Chloe Wormser
9:30 am	NU-3	239	Effect of Dialysate Sodium Concentration on Serum Sodium Concentration During Intermittent Hemodialysis in Dogs	Jonathan Foster
9:45 am	NU-4	239	Urinary Active TGF- B1 in Feline Chronic Kidney Disease	Jack Lawson
			<b>BREAK</b>	
10:30 am	NU-5	239	<b>Platelet Function in Dogs with Naturally Occurring Chronic Kidney Disease</b>	<b>Alicia Dudley</b>
10:45 am	NU-6	239	Evaluation of Effectiveness and Possibility of Nafamostat Mesilate as an Alternative Anticoagulant During Intermittent Hemodialysis on Healthy Beagle Dogs	Ji Hye Hwang
11:00 am	NU-7	239	Modifying Urine Glycosaminoglycan Concentrations By Intramuscular Injection of Polysulfated Glycosaminoglycans in Dogs	Michael Wood
11:15 am	NU-8	239	Effects of Gradual Increase of Dietary Sodium Chloride on Urinary Parameters and Relative Supersaturation in Healthy Cats	Yann Queau
11:30 am	NU-9	239	Serum Magnesium Concentration in Dogs with Naturally Occurring Chronic Kidney Disease	Cynthia Martorelli
11:45 am	NU-10	239	A Comparison of Perioperative Outcome in Cats Undergoing Ureterotomy or Ureteral Stenting for the Treatment of Benign Ureteral Obstructions	William Culp
12:00 pm	NU-11	239	Signalment and Diagnosis of 205 Neutered Female Dogs with Urinary Incontinence in the United States	Julie Byron

\*\* Also See Small Animal Nephrology/Urology abstracts NU-12 - NU-15, Friday, June 5, 9:00 am - 10:00 am.

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## ORAL PRESENTATIONS

## SMALL ANIMAL—OTHER

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
2:15 pm	OT-1	210	Evaluation of Serum Alpha 1-Proteinase Inhibitor Concentrations in Dogs with Systemic Inflammatory Response Syndrome or Sepsis	Romy Heilmann
2:30 pm	OT-2	210	In Vitro Determination of the Utility of Therapeutic Plasma Exchange (TPE) in the Treatment of Ibuprofen Toxicity	Stuart Walton
2:45 pm	OT-3	210	Prognostic Indicators in Dogs with Septic Peritonitis: 54 Cases (2004-2014)	Jeffrey Mitchell
3:00 pm	OT-4	210	Does Do Not Resuscitate (DNR) Always Mean DNR? Exploring DNR Orders in Veterinary Medicine	Keriann Cabral
3:15 pm	OT-5	210	Impact of Statistical Methods on Analyte Reference Interval Accuracy	Kevin Le Boedec
3:30 pm	OT-6	210	Acute Phase Reaction & Cardiac Biomarkers in Feline Non-Cardiac Diseases	Inigo Sanz

## EQUINE\*

9:00 am	E-1	212	Accuracy of Non-Invasive Oscillometric Blood Pressure in Normo- Hyper and Hypotensive Adult Standing Horses	Natalie Heliczner
9:15 am	E-2	212	<b>Attenuation of the Blood Pressure Response to Exogenous Angiotensin I After Oral Administration of Benazepril to Healthy Adult Horses</b>	<b>Tiago Afonso</b>
9:30 am	E-3	212	Effect of Diet-Induced Weight-Gain on Oral Glucose Tolerance and Insulin Response in Shetland Ponies	Ellen de Graaf-Roelfsema
9:45 am	E-4	212	Hormonal Changes: Predictive Factors of Chronic Fatigue in Show Horses	Concetta Amato
			<b>BREAK</b>	
10:30 am	E-5	212	Multiple Adrenocortical Steroid and Steroid Precursors Response to ACTH Stimulation Test in Hospitalized Foals	Katarzyna Dembek
10:45 am	E-6	212	The Effect of Ph on Large Intestinal Ion Transport and Transepithelial Resistance in Suspected Insulin Resistance Horses	Nicole Arana-Valencia
11:00 am	E-7	212	Epidemiological Characteristics of Horses with PPID at Initial Diagnosis	Steven Grubbs
11:15 am	E-8	212	<b>Effects of Fasting and the Oral Sugar Test on Thyrotropin-Releasing Hormone Stimulation Test Results in Horses</b>	<b>Melissa Restifo</b>
11:30 am	E-9	212	<b>Evaluation of Agreement of Four Common Diagnostic Tests for Insulin Resistance in Adult Light-Breed Horses</b>	<b>Laura Dunbar</b>
11:45 am	E-10	212	Vitamin D Metabolites and Their Association with Severity of Illness and Mortality in Hospitalized Foals	Ahmed Kamr
12:00 pm	E-11	212	Use of Metabolomic Approaches for Insight Into Metabolic Perturbations in Welsh Ponies with Insulin Dysregulation	Sarah Jacob
12:15 pm	E-12	212	<b>Can Motion Capture Detect Ataxia in Horses?</b>	<b>Emil Olsen</b>
			<b>BREAK</b>	
2:15 pm	E-13	212	<b>Intravenous Plasma Administration Evokes a Balanced Systemic Inflammatory Response in Healthy Newborn Foals</b>	<b>Eleonora Po</b>
2:30 pm	E-14	212	<b>A Comprehensive Evaluation of Traditional and Novel IGG Cut-Off Values and Their Association with Mortality in Neonatal Foals</b>	<b>Rachel Liepman</b>
2:45 pm	E-15	212	Comparison of Immunologic Responses Following Intranasal and Oral Vaccination with a USDA Approved, Live-Attenuated <i>Streptococcus equi</i> Vaccine	Katherine Delph
3:00 pm	E-16	212	<b>Major Histocompatibility Complex Expression in Muscle of Horses with Immune Mediated Myositis</b>	<b>Sian Durward-Akhurst</b>
3:15 pm	E-17	212	<b>Characterization of the Respiratory Tract Microbiota of Healthy Horses</b>	<b>Gaelle Hirsch</b>
3:30 pm	E-18	212	The Relationship Between Serum 25-Hydroxy Vitamin D Levels and Inflammatory Airway Disease (IAD) in Horses	Daniela Bedenice

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## ORAL PRESENTATIONS

## EQUINE\* (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
3:45 pm	E-19	212	Septic Pleuropneumonia in Horses	Sandra Taylor
			<b>BREAK</b>	
4:30 pm	E-20	212	Factors Affecting Complication Rates with Subpalpebral Lavage Catheter Use in Horses	Gayle Hallowell
4:45 pm	E-21	212	Estradiol 17 $\beta$ and Estrone Sulfate in Mares with Experimentally Induced Ascending Placentitis	Igor Canisso
5:00 pm	E-22	212	IGM and IgG Responses in Horses and Pony Foals After Vaccination for West Nile Virus and Eastern Equine Encephalitis	Frank Andrews
5:15 pm	E-23	212	Factors Associated with Equine Shedding of Multi-Drug Resistant <i>Salmonella enterica</i> and its Impact on Health Outcomes	Brandy Burgess
<b>5:30 pm</b>	<b>E-24</b>	<b>212</b>	<b>Estimating the Sensitivity and Specificity of Real-Time Quantitative PCR of Fecal Samples for Diagnosis of <i>Rhodococcus equi</i> Pneumonia in Foals</b>	<b>Sarah Shaw</b>
5:45 pm	E-25	212	Bayesian Geostatistical Analysis and Environmental Risk Factors of Pigeon Fever	Laurie Beard
6:00 pm	<b>E-26</b>	<b>212</b>	<b>Risk Factors for Equine Infectious Anemia in Canada</b>	<b>Sara Higgins</b>

\*\* Also See Equine E-27 - E-34, Friday, June 5, 8:00 am - 10:00 am.

## FOOD ANIMAL

9:00 am	<b>F-1</b>	<b>201</b>	<b>Lung Consolidation in Veal Calves Metaphylactically Treated with Tildipirosin: Predictive Factors and Impact on Weight Gain</b>	<b>Julie Berman</b>
9:15 am	F-2	201	Systematic Review of the Diagnostic Accuracy of Haptoglobin, Serum Amyloid A and Fibrinogen Versus Clinical Reference Standard for the Diagnosis of Bovine Respiratory Disease (BRD)	AbdElMonem AbdAllah
9:30 am	F-3	201	Agreement Between Sample Collection Methods Used for the Diagnosis of Bovine Respiratory Disease in Dairy Calves	Danielle Doyle
9:45 am	F-4	201	Frontal Sinusitis in Adult Beef Bulls: A Retrospective Analysis of 18 Cases (1999-2014)	Katharine Simpson
			<b>BREAK</b>	
<b>10:30 am</b>	<b>F-5</b>	<b>201</b>	<b>Comparative Plasma Pharmacokinetics of Ceftiofur Sodium and Ceftiofur Crystalline Free Acid in Neonatal Calves</b>	<b>Jane Woodrow</b>
10:45 am	F-6	201	Changes in Plasma Calcium Concentration in Periparturient Dairy Cattle Fed an Acidogenic Diet in the Late Dry Period	Ameer Megahed
11:00 am	F-7	201	Evaluation of the Precision Xtra <sup>®</sup> Hand-Held Meter for the Rapid Point of Care Measurement of Blood and Plasma Glucose Concentration in Periparturient Dairy Cattle	Ameer Megahed
11:15 am	<b>F-8</b>	<b>201</b>	<b>Health Benefits of Il-10 Egg Yolk Antibodies Administered to Milk-Fed Dairy Calves</b>	<b>Sarah Raabis</b>
11:30 am	<b>F-9</b>	<b>201</b>	<b>Presumptive Fenbendazole Toxicosis in Three Holstein Calves</b>	<b>Emily Barrell</b>
11:45 am	F-10	201	The Relationship Between Body Site Colonization and Intramammary Infection with Non-aureus <i>Staphylococcal</i> Species in Dairy Heifers	Pamela Adkins
12:00 pm	F-11	201	Visual Estimation of Goat Liveweight By Veterinary and Animal Science Students	Philippa Gibbons
			<b>BREAK</b>	
<b>5:30 pm</b>	<b>F-12</b>	<b>239</b>	<b>Chronic (Vagal) Indigestion in Adult Dairy Cattle: A Retrospective Study of 52 Cases (2004-2013)</b>	<b>Thibaud Kuca</b>
5:45 pm	F-13	239	Evaluation of Endotoxin in Plasma of Diarrheic Calves and Its Association with Demeanor, Hyper-L-Lactatemia and Hypoglycemia	Diego Gomez
6:00 pm	F-14	239	Epidemiologic Evaluation of Silica Urolithiasis in Goats (106 Cases): Perspective From the Minnesota Urolith Center	Eugene Nwaokorie

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## ORAL PRESENTATIONS

## CARDIOLOGY

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
8:00 am	C-18	235	<b>Multi-Dose Pharmacokinetics and Pharmacodynamics of the Commercially Available Formulation of Oral Apixaban in Cats: A Pilot Study</b>	Christian Weder
8:15 am	C-19	235	Long Term Outcome of Irish Wolfhounds with Lone Atrial Fibrillation	Claudia Vollmar
8:30 am	C-20	235	Irish Wolfhounds with Dilated Cardiomyopathy: Causes of Death	Claudia Vollmar
8:45 am	C-21	235	Echocardiographic Findings in an Aged Population of Cavalier King Charles Spaniels	Jorge Prieto-Ramos
9:00 am	C-22	235	Comparison of Methods for Measuring Left Ventricular Wall Thickness and Left Atrial Size in Cats	Lois Wilkie
9:15 am	C-23	235	iPhone ECG: A New Simple Method to Detect Hypertrophic Cardiomyopathy (HCM) in Cats?	Veronica Strömberg
9:30 am	C-24	235	Morphology of Tricuspid Valve Apparatus in Feline Hypertrophic and Dilated Cardiomyopathy	Lauren Wiley
9:45 am	C-25	235	The Urine Aldosterone to Creatinine Ratio (UALDO:C) Determined By Radioimmunoassay (RIA) in Normal Dogs Greater Than 5 Years of Age	Marisa Ames

## SMALL ANIMAL—HEPATOLOGY

8:00 am	HP-1	234	<b>Measurement of Plasma Fibrinogen in Dogs with Hepatobiliary Disease</b>	Sara Wennogle
8:15 am	HP-2	234	<b>Serum Markers of Vitamin B Metabolism in Cats with Hepatic Lipidosis</b>	Alexandra Hamilton
8:30 am	HP-3	234	Association Between Biliary Cytology and Microbiology in Dogs and Cats: 52 Cases (2004-2014)	Medora Pashmakova
8:45 am	HP-4	234	Histologic Scoring and Clinical Outcomes of Hepatitis in 42 Standard Poodles	Allison Bradley
9:00 am	HP-5	234	Possible Association of Gallbladder Mucocele Histologic Diagnosis with Selected Preventative Drug Use in Dogs: A Matched Case-Controlled Study	Jody Gookin
9:15 am	HP-6	234	A New Combination of Blood Parameters for Accurate Non-Invasive Diagnosis of Liver Fibrosis in Dogs	Alexis Lecoindre

## SMALL ANIMAL—RESPIRATORY

8:00 am	R-1	233	<b>Maropitant (Cerenia®) Ameliorates Clinical Signs but Not Inflammation Associated with Canine Chronic Bronchitis</b>	Megan Grobman
8:15 am	R-2	233	Comparison of Fatigue Characteristics of Two Commercially Available Veterinary Tracheal Stents	Michal Crha
8:30 am	R-3	233	Meta-Analysis of the Association Between Mycoplasma Species and Feline Respiratory Tract Diseases	Kevin Le Boedec

## SMALL ANIMAL—NEPHROLOGY/UROLOGY

8:45 am	NU-12	233	<b>Consumption of Viyo Recuperation Renal-Advanced Formula in Cats with Stable Chronic Kidney Disease and its Effects on Biochemical Parameters</b>	Crystal Cooley
9:00 am	NU-13	233	Effect of Blood Contamination in Canine Urine on The Performance of a Commercial Immunoassay for the Acute Kidney Injury (AKI) Marker: Urinary Clusterin (uCLUS)	Jack Quinn
9:15 am	NU-14	233	Effect of Hematuria on Urine Protein:Creatinine Ratio in Cats	Aida Vientós-Plotts
9:30 am	NU-15	233	Acute Evaluation of Urethral Thermoplasty in Normal Dogs	Carrie Palm

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## ORAL PRESENTATIONS

EQUINE				
TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
8:00 am	E-27	232	Depletion of Phenylbutazone Residues From Equine Urine and Tissues	Patricia Dowling
8:15 am	<b>E-28</b>	<b>232</b>	<b>Effect of Rifampin on Erythromycin-Induced Anhidrosis in Foals</b>	<b>Amy Stieler</b>
8:30 am	E-29	232	Ex Vivo Equine Subconjunctival Injection Characteristics and In Vitro Release Profiles of Voriconazole From a PLGA-PEG-PLGA Thermogel	Rosemary Cuming
8:45 am	E-30	232	Post-Transfusion Survival Time of Cross-Match Incompatible Red Blood Cells in Adult Horses	Joy Tomlinson
9:00 am	E-31	232	Temporal Effects of Intravenous Antibiotics on the Equine Fecal Microbiome	Rachel Liepman
9:15 am	E-32	232	Prospective Evaluation of the Accuracy of the MFlaSh Ultrasound Protocol and Transrectal Abdominal Palpation for Predicting Specific Surgical Diagnoses in Cases of Equine Acute Colic	Emilie Setlakwe
9:30 am	E-33	232	Prevalence of and Risk Factors for Gastric Ulceration in Showjumping Warmbloods	Sarah Pedersen
9:45 am	E-34	232	The Effect of Transport, Fasting and Anesthesia on the Composition of the Equine Microbiota	Angelika Schoster

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### POSTER PRESENTATIONS

**On Display:**

Thursday, June 4 7:00 am–5:00 pm  
 Friday, June 5 7:00 am–5:00 pm

Hall C

**Attended by ALL Authors Eligible for ACVIM Resident Research Awards:**

Thursday, June 4 9:50 am–10:30 am  
 Friday, June 5 9:50 am–10:30 am

**Attended by ALL Authors—Wine & Cheese Reception:**

Friday, June 5 6:00–7:30 pm • Hall C

Sponsored by



#### SMALL ANIMAL—CARDIOLOGY

#	ABSTRACT TITLE	PRESENTING AUTHOR
<b>C-26</b>	<b>Preliminary Assessment of a Novel 14-Day Ambulatory ECG Monitor (Zio® Patch) in Dogs</b>	<b>Jonathan Lichtenberger</b>
<b>C-27</b>	<b>Cardiac Biomarker Profiles in Dogs with Naturally-Occurring Pre-Capillary Pulmonary Hypertension</b>	<b>Jonathan Lichtenberger</b>
C-28	Detection of Periodontopathic Bacteria in Dogs with Mitral Regurgitation	Masami Uechi
C-29	Cardiac Regenerative Potential of Cardiosphere-Derived Cells From Adult Dog Hearts	James de Andrade
C-30	Correlation Between Echocardiographic Parameters and IL-1 $\beta$ , IL-6, IL-10, TNF- $\alpha$ and C-Reactive Protein in Bitches with Sepsis	Aparecido Camacho
C-31	Assessment of QTC Interval and QT Dispersion in Dogs with Pyometra	Caio Nogueira Duarte
C-32	Subclassification of Stage 2 in Congestive Heart Failure in Dogs with Myxomatous Mitral Valve Disease	Aparecido Camacho
C-33	Heart Rate Variability in Dogs with Myxomatous Mitral Valve Disease Undergoing Treadmill Exercise	Aparecido Camacho
C-34	Plasma Omega-3 Fatty Acid (Eicosapentaenoic Acid) Concentrations Are Related to Survival in Cats with Hypertrophic Cardiomyopathy	Lisa Freeman
C-35	Clinical Efficacy and Safety of Imidapril in Dogs with Congestive Heart Failure	Wonjung Kim
C-36	Evaluation of Left Ventricular Function in Dogs with Different Stages of Myxomatous Mitral Valve Disease: Tissue Doppler and Strain Imaging Study	Yunhye Kim
C-37	Correlation Between Radial and Coccygeal Artery Indirect Doppler Blood Pressure Measurements in Cats	Dianne Mawby
C-38	Three-Dimensional Echocardiographic Assessment of Normal Canine Mitral Valve	Giulio Mencioti
C-39	Genetic Evaluation of Persian Cats with Hypertrophic Cardiomyopathy: Screening of Mutations at ACTC1 and MYBPC3 Genes	Arine Pellegrino
C-40	Cardiovascular Evaluation of Persians Cats with Polycystic Kidney Disease	Arine Pellegrino
C-41	Echocardiographic Assessment of the Effects of Carvedilol, Cyclosporin-A and Sildenafil Citrate on Doxorubicin-Induced Cardiomyopathy in an Experimental Model with Rabbits	Fernando Rosa
C-42	Left Ventricular Circumferential Strain and Strain Rate By Two-Dimensional Imaging Velocity Vector Imaging in Healthy Beagles Dogs	Fernando Rosa
C-43	The Effect of Catheter Location During Simulated CPR on the Time for a Peripheral Injection to Reach the Heart	Elizabeth Rozanski
C-44	Cardiac Biomarkers and Acute Phase Proteins in Feline Cardiac Disease	Inigo Sanz
C-45	Does Size Matter? A Significant Relation Between Head Width and Left Ventricular Free Wall Growth Rates in Young Cats	Ingrid van Hoek

#### SMALL ANIMAL—NEUROLOGY

<b>N-19</b>	<b>Efficacy of Midazolam Continuous Rate Infusion for Emergent Seizure Therapy</b>	<b>Kathryn Bray</b>
<b>N-20</b>	<b>MRI Characteristics of Atlanto-Axial Subluxation in 42 Dogs</b>	<b>Kathryn Bray</b>
<b>N-21</b>	<b>Determination of Ideal Implant Placement in Canine Atlantoaxial Vertebrae—Description of a New Method Using Osirix</b>	<b>Guillaume Leblond</b>

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## POSTER PRESENTATIONS

SMALL ANIMAL—NEUROLOGY *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
N-22	Clinical Efficacy and Safety of Zonisamide Monotherapy in Dogs with Newly Diagnosed Idiopathic Epilepsy	Akinori Nomura
N-23	Canine Meningioma: Comparison of Palliative Therapy, Surgery and Stereotactic Radiosurgery	Mario Dolera
N-24	Suspected Hydrated Nucleus Pulposus Extrusions Associated with the Dorsal Longitudinal Ligament in Dogs	Mario Dolera
N-25	The Use of Magnetic Resonance Spectroscopy in Differential Diagnosis of Canine Brain Diseases	Luca Malfassi
N-26	Development of F-Response Method Using Multiple-Point Stimulation for Motor Unit Number Estimation Technique in Normal Dogs	Go Togawa

## SMALL ANIMAL—ONCOLOGY

O-12	Analysis of Lomustine Content in FDA Approved and Compounded Lomustine Capsules	Butch KuKanich
O-13	Expression of Multiple Drug Resistance Markers ABCB1 and LRP in Cats with Alimentary Lymphoma	Siliva Luca
O-14	Metallothionein and KI-67 in Cats with Alimentary Lymphoma	Valter Winkel
O-15	Response of Il-2 and Il-6 After Unilateral Total Mastectomy Alone or in Association with Ovariosalpingohysterectomy in Bitches with Mammary Tumors	Sabrina Rodigheri
O-16	Stress Response to Surgical Trauma of Unilateral Total Mastectomy Alone or in Association with Ovariosalpingohysterectomy in Bitches with Mammary Tumors	Sabrina Rodigheri
O-17	Pharmacokinetics of Orally Administered Low-Dose Rapamycin in Healthy Dogs <i>(VCS Award Winner)</i>	Jeanne Larson
O-18	Minoxidil Inhibits the Metastatic Phenotype of Osteosarcoma <i>(VCS Award Winner)</i>	Christine Mullin

## SMALL ANIMAL—ENDOCRINOLOGY

EN-16	<b>Evaluation of the Use of Baseline Cortisol to Monitor Twice-Daily Trilostane Therapy in Dogs with Spontaneous Hyperadrenocorticism</b>	<b>Andrew Woolcock</b>
EN-17	Blood Pressure in Hyperthyroid Cats in Comparison to Age Matched Controls Using High Definition Oscillometry	Anthony Carr
EN-18	Epidemiologic Study of Adrenal Tumors in Dogs: 49 Cases (2012-2014)	Viviani De Marco
EN-19	Association of Canine Acute Pancreatitis with Hypertriglyceridemia and Adrenomegaly: A Retrospective Study (2012-2014): 91 Cases	Eric Januário
EN-20	Association Between Endocrinopathies and Hyperlipidemia in 104 Dogs with Acute Pancreatitis: A Retrospective Study	Hakhyun Kim
EN-21	Serum Adipokine Concentrations in Dogs with Myxomatous Mitral Valve Disease	Hye-Sun Kim
EN-22	Evaluation of the Isolation and Functionality of Pancreatic Islets in Cats	Melania Osto
EN-23	Effect of Administration with Mirtazapine on the Hypothalamic-Pituitary-Adrenocortical Axis in Healthy Beagle Dogs	Bo Hye Shin

## SMALL ANIMAL—GASTROENTEROLOGY

GI-27	<b>Beta-Hydroxybutyrate Concentrations in Dogs with Acute Pancreatitis and without Diabetes Mellitus</b>	<b>Frances Hurrell</b>
GI-28	Endoscopic Retrograde Cholangiography and Biliary Stent Placement for Biliary Tract Obstruction in Dogs and Cats	Allyson Berent
GI-29	Effect of <i>Bifidobacterium animalis</i> AHC7 and Tylosin on the Microbiome During the Quarantine Period of Military Working Dogs	Sarah Cooper
GI-30	Association of Two Unstable HAS2 Gene Duplications with Cobalamin Deficiency in the Chinese Shar-Pei	Niels Grützner
GI-31	The Fecal Microbiome of Coyotes ( <i>Canis latrans</i> ) and a Comparison with Healthy Pet Dogs ( <i>Canis canis</i> )	Julia Honneffer

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## POSTER PRESENTATIONS

**SMALL ANIMAL—GASTROENTEROLOGY** *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
GI-32	Focal Intestinal Lipogranulomatous Lymphangitis in 10 Dogs	Alexis Lecoindre
GI-33	Serial Evaluation of Specific Canine Pancreatic Lipase Immunoreactivity and C-Reactive Protein in Dogs with Cerulein-Induced Acute Pancreatitis	Sue Yee Lim
GI-34	Validation of a Urinary 5-Hydroxyindoleacetic Acid Assay, and Preliminary Use in Dogs with Enteropathies	Jessica Rigling
GI-35	Analytical Validation of a Gas Chromatography/Mass Spectrometry Method for the Quantification of 3-Bromotyrosine Concentrations in Fecal Samples From Dogs	Panpicha Sattasathuchana
GI-36	Serum 3-Bromotyrosine Concentrations in Dogs Infected with <i>Spirocerca lupi</i>	Panpicha Sattasathuchana
GI-37	Prospective Evaluation of a One-Stage Esophageal Balloon Dilation Feeding Tube for Benign Esophageal Strictures in Dogs: Initial Results	Chick Weisse

**SMALL ANIMAL—HEMATOLOGY**

HM-7	Activated Clotting Time in Healthy Sedated Cats Using the Max-Act System	Marie Holowaychuk
HM-8	Cytopenias Associated with Procarbazine Therapy in 8 Dogs	A. Courtney Crane
HM-9	Evaluation of the Enterprise Point-of-Care Blood Gas Analyzer	Lyndsay Kong
HM-10	Osmotic Fragility Test – A Useful Diagnostic Test in Cats with Anemia?	Christiane Weingart

**SMALL ANIMAL—HEPATOLOGY**

<b>HP-7</b>	<b>Thromboelastography in Cats with Cholestatic Liver Disease</b>	<b>Gideon Daniel</b>
HP-8	Thromboelastography in Dogs with Chronic Hepatitis	Whitney Fry
HP-9	The Use of Hepatic Non-Invasive Markers for Monitoring Fibrogenic Progression in 49 Scottish Terriers with Vacuolar Hepatopathy	Alexis Lecoindre

**SMALL ANIMAL—IMMUNOLOGY**

IM-4	Towards the Development of a Flow Cytometric Assay for Canine Interleukin-10	Oliver Garden
IM-5	In Vitro Evaluation of the Effects of Pre-Conditioning and Gender on Feline Adipose-Derived Mesenchymal Stem Cell Cytokine Production	Tracy Webb

**SMALL ANIMAL—INFECTIOUS DISEASE**

ID-16	Effect of Treatment on <i>Borrelia burgdorferi</i> and <i>Anaplasma phagocytophilum</i> Test Results	Ramaswamy Chandrashekar
ID-17	Prevalence of <i>Dirofilaria immitis</i> in Non-Endemic Northern Colorado Animal Shelters	Emily Kirkpatrick
ID-18	Prevalence of Novel <i>Helicobacter</i> Strains in Japan	Sanae Kubota
ID-19	Prevalence of <i>Giardia duodenalis</i> and <i>Cryptosporidium Spp.</i> Amongst Senior Veterinary Students and Their Dogs and Cats	Michael Lappin
ID-20	Detection of Feline Immunodeficiency Virus Antibodies in Serum of Vaccinated Cats Using a Commercially Available Kit	Michael Lappin
ID-21	Gene Expression of Interleukines in the Spleen of Cats Naturally Infected by <i>Leishmania infantum chagasi</i>	Mary Marcondes
ID-22	Canine and Livestock Husbandry Practices Among Ohio Farmers and Potential for Zoonotic Disease Transmission	Nancy Moran
ID-23	Evaluation of Selected Canine Vector Borne Pathogens in Blood and Pericardial Samples From Dogs with Pericardial Effusion	Maria-Dolores Tabar
ID-24	Molecular Detection of Selected Vector-Borne Pathogens in Dogs with and without Tick or Flea Infestation	Sahatchai Tangtrongsup
ID-25	Performance of the Anigen Rapid Caniv-4 Test Kit Using Characterized Samples	Brendon Thatcher

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## POSTER PRESENTATIONS

## SMALL ANIMAL—INFECTIOUS DISEASE (continued)

#	ABSTRACT TITLE	PRESENTING AUTHOR
ID-26	Prevalence of <i>Cyclospora cayetaensis</i> and Other Enteric Parasites in Shelter Cats with Diarrhea in Colorado, USA	Mandy van Koppen

## SMALL ANIMAL—NEPHROLOGY/UROLOGY

NU-16	Effects of Hematuria on Dipstick Evaluation in Dogs and Cats	Aida Vientós-Plotts
NU-17	Feline Serum Cystatin C Does Not Differentiate Healthy Cats From Those with Chronic Kidney Disease (CKD)	Giosi Farace
NU-18	Pharmacokinetic Study of Meropenem in Healthy Beagle Dogs on Intermittent Hemodialysis	Hye young Kim
NU-19	High Throughput Immunoassay That Corelates to Gold Standard Liquid Chromatography-Mass Spectrometry (LC-MC) Assay for the Chronic Kidney Disease (CKD) Marker Symmetrical dimethyl Arginine (SDMA)	Daniel Patch
NU-20	Retroperitoneal Delivery of Mesenchymal Stem Cells for the Treatment of Feline Chronic Kidney Disease	Jessica Quimby
NU-21	Safety Evaluation of the Live Biotherapeutic Product, Asymptomatic Bacteriuria <i>E. coli</i> 2-12, in Healthy Dogs	Jodi Westropp

## SMALL ANIMAL—NUTRITION/METABOLISM

NM-7	Effect of a Single-Dose Treatment with Synthetic Ghrelin on Canine Anorexic Patients: A Preliminary Study	Eri Onozawa
NM-8	Safety of the Ghrelin Agonist, Capromorelin, Administered Daily to Cats for 91 Days at an Oral Dose of 6mg/kg	Jullie Allen
NM-9	Capromorelin, an Orally Active Ghrelin Agonist, Caused Sustained Increases in IGF-1, Increased Food Intake and Body Weight in Cats	Linda Rhodes
NM-10	Effect of <i>Enterococcus faecium</i> Strain SF68 on the Gastrointestinal Clinical Signs of Healthy Cats Administered Amoxicillin-Clavulanate	Camille Torres-Henderson
NM-11	Weight Loss Program Associated with Vibrating Platform in Obese Dogs and Overweight	Carolina Zaghi Cavalcante

## SMALL ANIMAL—OTHER

OT-7	Idiopathic Immune Mediated Polyarthritis in Dogs: 67 Cases (2006-2014)	Katherine Nadolny
OT-8	Evaluation of the Effects of Time, Temperature, and Storage Conditions on In Vitro Lactate Concentrations	Colin Reich
OT-9	Acute Phase Protein Concentrations in Cats with Urinary Tract Obstruction	Elizabeth Schmidt
OT-10	Monoclonal Antibodies Specific to Serum Amyloid A From Different Species	Karina Seferian

## SMALL ANIMAL—PHARMACOLOGY

<b>P-3</b>	<b>The Effect of Concurrent and Delayed Sucralfate Administration on the Relative Bioavailability of Fluoroquinolones in Greyhounds</b>	<b>Sarah Guess</b>
P-4	Pharmacodynamics of Transdermal Mirtazapine in Healthy Client-Owned Cats	Kellyi Benson
P-5	Comparison of Tolfenamic Acid and Robenacoxib for Postoperative Analgesia in Cats After Ovariohysterectomy	Naris Thengchaisri
P-6	Safety and Efficacy of Intravenous Tranexamic Acid As an Emetic in Canine Patients	Hitoshi Kakiuchi
P-7	Pharmacokinetics and Pharmacodynamics of Transdermal Mirtazapine in Purpose-Bred Cats	Jessica Quimby
P-8	Safety and Toxicokinetic Profiles in Cats Administered Grapiprant, a Selective Prostaglandin-Receptor Antagonist	Lesley Rausch-Derra
P-9	Pharmacokinetic Comparison of Body Surface Area and Body Weight Based Prednisolone Dose on Small and Large Breed Dogs	Hye Bin Wang

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## POSTER PRESENTATIONS

## SMALL ANIMAL—RESPIRATORY

#	ABSTRACT TITLE	PRESENTING AUTHOR
R-4	Severe Pre-Capillary Pulmonary Hypertension in 11 Shih Tzu Dogs: (2007-2014)	Amy Brida
R-5	Effect of Furosemide on Transvascular Fluid Fluxes in Pulmonary Circulation in Dogs Under General Anesthesia	Modest Vengust
R-6	The Pharmacokinetics of $\beta_2$ -Adrenoceptor Agonist in Tulobuterol on Beagle Dogs After Transdermal and Intravenous Administration	Hyuck Joo Yang

## EQUINE

E-35	White Coat Hypertension, Interday Variation of Blood Pressure and Interday and Interobserver Variation of Splenic Volume	Olivia Lorello
E-36	Correlations of Blood Pressure, Splenic Volume and Hematocrit After Phenylephrine and Acepromazine Administration	Natalie Heliczner
<b>E-37</b>	<b>Comparison of Morphometric Data and Proxy Measurements of Insulin Resistance to Minimal Model Analysis in Adult Light-Breed Horses</b>	<b>Laura Dunbar</b>
E-38	Hair Cortisol in Horses with PPID	Heidi Banse
E-39	Dynamics of Adrenal Steroids, Steroid Precursors and Neurosteroids in Neonatal Foals During Hospitalization	Katarzyna Dembek
E-40	Repeatability of the Oral Sugar Test and Glucagon-Like Peptide-1 and High Molecular Weight Adiponectin Concentrations in Horses with Equine Metabolic Syndrome	Nicholas Frank
E-41	Cortisol Binding Globulin Concentrations in Septic Foals, Healthy Foals, and Healthy Horses	Melanie Fratto
E-42	Clinical Signs Associated with PPID Status in a Large Population of Horses	Steven Grubbs
E-43	Evaluation of Wellbeing Parameters in New York City Carriage Horses	Sarah Mercer-Bowyer
E-44	Prospective Evaluation of a Colic Prediction Model	Frank Andrews
E-45	Diagnostic Value of Gastric Mucosal Biopsies in Horses with Glandular Disease	Mark Bowen
E-46	Water in Ingesta Influences Blood Glucose Concentration After Eating in the Horse	Michael Katz
E-47	Prevalence of and Risk Factors for Gastric Ulceration in Polo Horses	Heath MacLeod
E-48	A Comparison of Gastric Ulcer Prevalence in Feral and Domesticated Horses in the UK: An Abattoir Study	Benjamin Sykes
E-49	The Use of an Indwelling Percutaneous Gastrostomy Tube for the Measurement of Intra-Gastric Ph in the Horse	Benjamin Sykes
<b>E-50</b>	<b>Severe Myelosuppression and Alopecia in Horses Associated with Trichothecene Ingestion</b>	<b>Rachel Liepman</b>
E-51	Plasma Lactate As a Marker of Healthy in Foals Born From Mares with Placentitis	Lorena Feijó
E-52	Humoral Response to <i>Borrelia burgdorferi</i> Outer Surface Protein A (Ospa) Vaccine via the Subcutaneous and Transdermal Route in Horses	Joseph Bertone
E-53	Development of Pulmonary Immunocompetency in the Foal	Brett Sponseller
<b>E-54</b>	<b><i>Corynebacterium Pseudotuberculosis</i> Seroprevalence in Healthy Horses in a Non-Endemic State</b>	<b>Marta Barba</b>
E-55	Genome Wide Association Study of Equine Herpesvirus Type 1-Induced Myeloencephalopathy	Margaret Brosnahan
E-56	WNV IgG Antibody Response in Foals (with and without Maternal Antibody) Following Vaccination with a Combination WNV Vaccine	Steven Grubbs
E-57	Therapeutic Monitoring of Plasma Aminoglycoside Concentrations and Their Relation to Minimum Inhibitory Concentrations of Local Gram Negative Bacteria In Horses and Foals	Angelika Schoster
E-58	Effect of Blanketing on Vitamin D Status in Horses at Pasture	Sara Azarpeykan
E-59	Equine Referring Veterinarians' Expectations of Equine Veterinary Specialists and Equine Referral Care Centers	Joanne Hewson
E-60	Endothelial Progenitor Cell Isolation in Horses	Anne Wooldridge
<b>E-61</b>	<b>A Comparison of the Effects on Sweating of Three Macrolide Antibiotics Used in Foals</b>	<b>Amy Stieler</b>

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## POSTER PRESENTATIONS

**EQUINE** *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
E-62	Endobronchial Biopsy Scores Reliably Assess Disease Severity in Horses with Heaves	Michela Bullone
E-63	Evaluation of Angiogenesis in the Airways of Horses with Heaves	Nicolas Herteman

**FOOD ANIMAL**

F-15	Evaluation of the Cardiomyotoxic Effects of Doxycycline Overdose in Calves Using 2-Dimensional Speckle Tracking	Laureline Lecoq
F-16	Two-Dimensional Speckle Tracking Echocardiography in Calves: Feasibility, Repeatability and Variability Study	Laureline Lecoq
F-17	Venous Lactate, Ph And PCO2 Levels As Mortality Indicators in Premature Calves	Hasan Guzelbektes
F-18	Compare Effect of Combinations of Intravenous and Oral Electrolyte Solution on Treatment of Calf Diarrhea with Mild-Moderate Dehydration and Metabolic Acidosis	Ismail Sen
F-19	Cholangiohepatitis in Cattle: 10 Cases	Diego Gomez
F-20	Comparison of the Pharmacokinetic Values of Cefquinome Following Intramammary Infusion in Healthy Lactating Goats and Goats with Experimentally Induced <i>Staphylococcal aureus mastitis</i>	Shymaa El badawy
F-21	Comparison of Cefquinome Concentrations and Pharmacokinetic Values in Plasma and Milk From Healthy and Mastitic Goats Using a Microbiological Assay and High Performance Liquid Chromatography	Shymaa El badawy