

**Research Abstract Program of the  
2009ACVIM Forum/Canadian Veterinary Medical Association Convention  
Montréal, Québec, June 3 – June 6, 2009**

**Index of Abstracts**

**ORAL PRESENTATIONS – Thursday, June 4**

<b>Time</b>	<b>#</b>	<b>Presenting Author</b>	<b>Abstract Title</b>
<b>SMALL ANIMAL – CARDIOLOGY</b>			
9:00 am	1	Allison Heaney	Use of Polymerase Chain Reaction to Detect Bacteremia in Dogs with Bacterial Endocarditis
<b>9:15 am</b>	<b>2</b>	<b>Andrea Lantis</b>	<b>The Effect of Furosemide and Pimobendan on the Renin-Angiotensin-Aldosterone System (RAAS) in Dogs</b>
<b>9:30 am</b>	<b>3</b>	<b>Lisa Keller</b>	<b>Assessment of Change in Left Ventricular Systolic Function by Tissue Doppler Imaging Methods after Closure of Patent Ductus Arteriosus in Dogs</b>
9:45 am	4	Giosi Farace	Correlation of N-Terminal Prohormone Brain Natriuretic Peptide with Left Ventricular Outflow Tract in Dogs with Sub Aortic Stenosis
<i>BREAK</i>			
10:30 am	5	Ashley Saunders	NT-proBNP Concentrations in Canine Congenital Heart Disease
10:45 am	6	Gretchen Singletary	Utility of NT-proBNP Assay to Detect Occult Dilated Cardiomyopathy in Doberman Pinschers
11:00 am	7	Gerhard Wess	Evaluation of NT-proBNP in the Diagnosis of Various Stages of Dilated Cardiomyopathy in Doberman Pinschers
<b>11:15 am</b>	<b>8</b>	<b>Sarah Achen</b>	<b>Serial Evaluation of NT-proBNP in Dogs with CHF Predicts Clinical Score and the Presence or Absence of Radiographic Pulmonary Edema</b>
11:30 am	9	Gerhard Wess	The Utility of NT-proBNP to Detect Early Stages of Hypertrophic Cardiomyopathy in Cats and to Differentiate Disease Stages
11:45 am	10	Giosi Farace	Pulmonary Hypertension and N-Terminal Prohormone Brain Natriuretic Peptide in Dogs
12:00 pm	11	Kathryn Meurs	Genome-Wide Association Identifies a Mutation for Arrhythmogenic Right Ventricular Cardiomyopathy in the Boxer Dog
12:15 pm	12	Eva Oxford	Phenotypic Differences in the Ultrastructure of Cardiomyocytes from Boxer Dogs Afflicted with Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC)
<i>**Also see Cardiology abstracts 61 - 73 (Thursday, June 4, 2:15 pm – 6:00 pm)</i>			
<b>SMALL ANIMAL – NEPHROLOGY/UROLOGY</b>			
9:00 am	13	Barrak Pressler	In vivo Determination of Canine Cystolith Mineral Composition Using Computed Tomography-Generated Hounsfield Units
9:15 am	14	Allyson Berent	Ureteral Stenting for Feline Ureterolithiasis: Technical and Clinical Outcomes
9:30 am	15	Allyson Berent	The Use of a Percutaneously Controlled Hydraulic Occluder for the Treatment of Urethral Sphincter Mechanism Incompetence in 11 Dogs and 1 Cat
9:45 am	16	Michael Wood	Development of a Using Chamber Model for Studying the Canine Urothelial Response to Infection
<i>BREAK</i>			
<b>10:30 am</b>	<b>17</b>	<b>Christine Wu</b>	<b>Urodynamic Evaluation of Cats with Feline Interstitial Cystitis (FIC)</b>
10:45 am	18	Dennis Chew	Randomized, Placebo-controlled Clinical Trial of Pentosan Polysulfate Sodium for Treatment of Feline Interstitial (Idiopathic) Cystitis
11:00 am	19	Herve Lefebvre	Comparison of Plasma Clearance of Exogenous Creatinine and Iohexol in a Canine Population
11:15 am	20	Andrea Zatelli	Effects of Supplementation with Amino Acids in Dogs with Glomerulonephritis
<b>11:30 am</b>	<b>21</b>	<b>Karen Hilling</b>	<b>Documentation of Hypercoagulability in Protein-Losing Nephropathy via Thromboelastography in 10 Dogs</b>
11:45 am	22	Mark Acierno	Measuring Level of Agreement between Directly Measured Blood Pressure and Values Produced by Oscillometric Units in Cats
<b>12:00 pm</b>	<b>23</b>	<b>Carly Bloom</b>	<b>Pharmacokinetics and Cardiovascular Effects of Intravenous Fenoldopam in Healthy Awake Dogs</b>

**Boldface type** indicates presentation by award eligible resident

Presentation times are subject to change

12:15 pm 24 Bart Maddens Urinary Immunoglobulin G, C-Reactive Protein and Retinol Binding Protein as Candidate Early Biomarkers for Renal Dysfunction in Dogs with Pyometra (*ECVIM Award Winner*)

#### **SMALL ANIMAL – HEMATOLOGY**

9:00 am 25 Stephanie Smith Whole Bloodthromboelastometry (TEM) is Related to Cell Counts and Plasma Coagulation Tests in Healthy Dogs

**9:15 am 26 Lara Rose Effect of Canine Hyperadrenocorticism on Thrombelastography Parameters**

**9:30 am 27 John Thomason Effects of Cyclosporine on Canine Platelet Procoagulant Activity**

**9:45 am 28 Sarah Helmond Treatment of Canine Immune-Mediated Hemolytic Anemia with Individually Adjusted Heparin Dosing: A Pilot Study**

*BREAK*

**10:30 am 29 Elizabeth Orcutt Comparison of Individually Monitored Unfractionated Heparin Versus Low-Dose Aspirin on Survival of Dogs with Immune Mediated Hemolytic Anemia**

**10:45 am 30 Kristopher Sharpe Platelet Impedance Aggregometry in Clinically Healthy Dogs with and without Ultralow-Dose Aspirin**

11:00 am 31 Paulo Vilar Saavedra Hemostatic Effects of Cryoprecipitate in Dogs with Disseminated Intravascular Coagulation

11:15 am 32 Rebecca Kessler Extended Canine Blood Typing by Gel Column Technique

11:30 am 33 Rebecca Kessler Pseudomonas Fluorescens Contamination of Canine and Feline Packed Red Blood Cell Units

#### **SMALL ANIMAL – OTHER**

11:45 am 34 Mads Kjelgaard-Hansen Combination of Inflammatory and Hemostatic Markers in Mortality Model for Critically Ill Canine ICU Patients Significantly Improves Efficacy

12:00 pm 35 Bianka Schulz Investigation of Doxycycline-related Side Effects in Dogs

#### **SMALL ANIMAL – PHARMACOLOGY**

12:15 pm 36 Fabrice Thoulon Metabolism and Excretion of Oral Meloxicam in the Cat

#### **SMALL ANIMAL – ENDOCRINOLOGY**

**9:00 am 37 Arnon Gal Cloning of the Calcium-sensing Receptor from the Feline Parathyroid Gland**

9:15 am 38 Eric Zini Hypertriglyceridemia does not Impair Whole Body Insulin Sensitivity in Cats, Possibly Through Increased Circulating Adiponectin

9:30 am 39 Eric Zini Role of Hyperglycemia in the Pathogenesis of Pancreatitis in Cats

**9:45 am 40 Kirk Sears Use of Lispro Insulin for Treatment of Diabetic Ketoacidosis in Dogs**

*BREAK*

10:30 am 41 Kirsten Roomp Evaluation of Detemir in Diabetic Cats Managed with a Protocol for Intensive Blood Glucose Control

**10:45 am 42 Andrew McGraw Determination of the Concentrations of Trilostane and Ketotrilostane that Inhibit Ex Vivo Synthesis of Cortisol in Canine Adrenal Tissues**

11:00 am 43 Ghita Benchekroun Plasma ACTH Precursors (Pro-OpioMelanoCortin and Pro-Adrenocorticotropin) in Cats with Hyperadrenocorticism

11:15 am 44 Katharine Lunn Endocrine Function in Cats after Stereotactic Radiosurgery Treatment for Acromegaly

11:30 am 45 John Rossmeisl Blood-Brain-Barrier Disruption in Chronic Canine Experimental Hypothyroidism

11:45 am 46 Jennifer Wakeling Induction of Aryl Hydrocarbon Receptors in Cats

12:00 pm 47 Audrey Cook Prevalence of Hypocobalaminemia in Cats with Hyperthyroidism

12:15 pm 48 Lisa Morrow Hypertension in Hyperthyroid Cats: Prevalence, Incidence and Predictors of its Development

#### **EQUINE**

9:00 am 49 Natália Rodrigues Expression of Cyclooxygenase Isoforms on Equine Gastric Ulcers

**9:15 am 50 Kati Vainio Primary Gastric Impaction in Horses: A Retrospective Study of 21 Cases (2005-2008)**

9:30 am 51 Frank Andrews Effect of Volatile Fatty Acid Mixes on Equine Nonglandular Mucosa Bioelectric Properties: Pathogenesis of Gastric Ulcers in Horses

**9:45 am 52 Peggy Moreau Study of the Variability of Endoscopic Duodenal Biopsies in Healthy Horses and in Heaves-affected Horses Fed with Different Diets**

*BREAK*

10:30 am	53	Emilie Setlakwe	Sub-epithelial Fibrosis is Present in the Peripheral Airways of Heaves-Affected Horses
10:45 am	54	Modest Vengust	Furosemide does not Affect Transvascular Fluid Fluxes across the Lung in Exercising Horses
<b>11:00 am</b>	<b>55</b>	<b>James Nicol</b>	<b>Partitioning of Pulmonary Resistance in Horses</b>
11:15 am	56	Julie Dauvillier	Effects of Prolonged Inhaled Corticosteroid Treatment on Cell-Mediated Immunity in Horses
11:30 am	57	Lutz Goehring	EHV-1 Positive PBMC Fractions During Cell-Associated Viremia following Experimental Infection
<b>11:45 am</b>	<b>58</b>	<b>Sonya Wilsterman</b>	<b>The Efficacy of Nitazoxanide as an Antiviral Agent for the Treatment of EHV-1 Infection in Horses</b>
12:00 pm	59	Alexandra Draper	Repeatability and Reproducibility of Transabdominal Ultrasonographic Renal Loci and Dimensions in Thoroughbred Horses
<b>12:15 pm</b>	<b>60</b>	<b>Gemma Tyner</b>	<b>Renal Biopsies in Horses: A Retrospective Study of 71 Cases</b>

*\*\*Also see Equine abstracts 116 - 129 (Thursday, June 4, 2:15 pm – 6:15 pm) and Equine abstracts 142 – 143 (Thursday, June 4, 5:45 pm – 6:15 pm)*

**SMALL ANIMAL – CARDIOLOGY**

<b>2:15 pm</b>	<b>61</b>	<b>Caryn Reynolds</b>	<b>Owner Perceptions and Priorities Regarding Quality of Life and Quantity of Life in Cats with Heart Disease</b>
<b>2:30 pm</b>	<b>62</b>	<b>Sara Bordelon</b>	<b>Validation of Platelet Factor 4, Soluble P-selectin, <math>\beta</math>-thromboglobulin, and 11-dehydro-thromboxane B2 ELISAs in the Feline Population</b>
2:45 pm	63	Karl Jandrey	Plasma PECAM-1 and Endothelin-1 Concentrations are Elevated in Cats with Hypertrophic Cardiomyopathy
3:00 pm	64	Francesco Porciello	Association of Hypertrophic Cardiomyopathy Phenotype and Genotype in Italian Maine Coon Cats
3:15 pm	65	Denise Schwartz	Pulsed Tissue Doppler Identifies Preclinical Left Ventricular Myocardial Dysfunction in Obese Dogs
<b>3:30 pm</b>	<b>66</b>	<b>Sarah Scruggs</b>	<b>Serotonin Transporter Expression Is Locally Down-regulated In Canine Degenerative Mitral Valves</b>
3:45 pm	67	Sophia Moesgaard	B-Type Natriuretic Peptide and Cyclic Guanosine Monophosphate Levels Increase whereas Nitric Oxide Bioavailability Decreases with Increasing Degree of Myxomatous Mitral Valve Disease

*BREAK*

<b>4:30 pm</b>	<b>68</b>	<b>Adonia Hsu</b>	<b>Trans-Thoracic Three-Dimensional Echocardiographic Evaluation of Normal Canine Heart Valves</b>
4:45 pm	69	Ingrid Ljungvall	Cardiac Troponin-I is Associated with Severity of Myxomatous Mitral Valve Disease, Age, Heart Rate and C-reactive Protein in Dogs
5:00 pm	70	Carl Kirker-Head	Evaluation of a Minimally Invasive Treatment for Mitral Valve Regurgitation
5:15 pm	71	Sonya Gordon	Caval Syndrome; Outcome in 42 Dogs
5:30 pm	72	Brian Maran	Modulation of Inflammatory and Oxidative Stress Markers in Coronary Artery Smooth Muscle Cell Model
5:45 pm	73	Barthel Schmelting	High Definition Oscillometry: A Novel, Non-invasive Approach for Precise Blood Pressure Determination and Cardiovascular Assessment in Old World and New World Monkeys

*\*\*Also see Cardiology abstracts 1 - 12 (Thursday, June 4, 9:00 am – 12:30 pm)*

**SMALL ANIMAL – NEUROLOGY**

2:15 pm	74	Luisa De Risio	Prevalence, Heritability and Genetic Correlations of Congenital Sensorineural Deafness and Pigmentation Phenotypes in 4143 Border Collies
<b>2:30 pm</b>	<b>75</b>	<b>Fiona James</b>	<b>Investigation of a New Electroencephalography (EEG) Electrode in Sedated and Awake Dogs</b>
2:45 pm	76	Simon Platt	Cerebrospinal Fluid Neurotransmitter Concentrations in Dogs with Ischemic Infarction of the Brain
3:00 pm	77	Ronaldo da Costa	Risk Factors for Post-myelographic Seizures in Dogs – 503 Cases
3:15 pm	78	John Rossmeisl	Effects of Palliative Pharmacotherapy on Survival and Quality of Life in 50 Dogs with Primary Intracranial Neoplasms
<b>3:30 pm</b>	<b>79</b>	<b>Sarah Moore</b>	<b>The Pharmacokinetics of Levetiracetam in Dogs Concurrently Receiving Phenobarbital</b>
<b>3:45 pm</b>	<b>80</b>	<b>Liran Tzipory</b>	<b>Metabolism and Action of Nelarabine in Glioma Cell Lines</b>

*BREAK*

4:30 pm	81	Veronika Stein	Expression of Matrix Metalloproteinases and Reck in Microglial Cells in Different Intracranial Diseases
4:45 pm	82	Steven De Decker	Low Field Magnetic Resonance Imaging (MRI) Findings of the Caudal Cervical Region in Clinically Normal Doberman Pinschers and Foxhounds
5:00 pm	83	Ronaldo da Costa	Computed Tomographic Findings In Large and Giant Breed Dogs with Cervical Spondylomyelopathy: 58 Cases
5:15 pm	84	Filippo Adamo	Cervical Arthroplasty in Dogs with Disc Associated Caudal Cervical Spondylomyelopathy and Cervical Disc Herniation: Preliminary Study in Two Cases
<b>5:30 pm</b>	<b>85</b>	<b>Jenny Scarano</b>	<b>F Ratio of the Sciatic and Ulnar Nerve in Dogs</b>
5:45 pm	86	G. Diane Shelton	Peripheral Nerve Pathology in Canine Degenerative Myelopathy with Mutation in Superoxide Dismutase 1 Gene
6:00 pm	87	Joan Coates	An SOD1 Mutation Associated with Degenerative Myelopathy Occurs in Many Dog Breeds

#### **SMALL ANIMAL – ONCOLOGY**

2:15 pm	88	Karen Jackson	Lymphocyte Counts and Circulating Lymphoblasts in Canine Lymphoma Patients
2:30 pm	89	Gina Michels	Pharmacokinetic Properties of Toceranib Phosphate (Palladia™, SU11654), A Novel Tyrosine Kinase Inhibitor, in Laboratory Dogs and Dogs with Mast Cell Tumors
2:45 pm	90	Rachel Dean	Feline Injection Site Sarcomas in the United Kingdom: One Hundred and Fifty Seven Cases
3:00 pm	91	Christine Kempf	Nonviral Gene Transfer of the Feline Cytokine Genes IL-2, IFN $\gamma$ and GM-CSF as Adjuvant Immunotherapy of the Feline Fibrosarcoma
3:15 pm	92	Melani Fork	Immunohistochemical Differentiation of Canine Prostatic Carcinoma
3:30 pm	93	Chick Weisse	Feasibility and Safety Associated with Selective and Superselective Intra-Arterial Carboplatin +/- Meloxicam Delivery for Urothelial Tumors in Dogs
3:45 pm	94	Marisa Ames	Effect of Intracavitary Chemotherapy as Treatment of Recurrent Pleural Effusion Following Pericardiectomy: Eight Cases

#### **SMALL ANIMAL – NUTRITION/METABOLISM**

4:30 pm	95	Matthew Beal	Technique for Fluoroscopic Nasojejun Tube Placement in Dogs
4:45 pm	96	Matthew Beal	Technique for Percutaneous Radiologic Gastrojejunostomy in the Dog
5:00 pm	97	John Bauer	Dietary $\gamma$ -linolenic Acid Supports Arachidonic Acid Enrichment of Feline Red Blood Cell Membranes
5:15 pm	98	Alexander German	Adipokine Expression and Secretion by Canine Adipocytes: Stimulation of Inflammatory Adipokine Production by LPS and TNF $\alpha$
5:30 pm	99	Anne Chauvet	Exercise and Active Client Motivation Improve Rate of Weight Loss in Obese Dogs
5:45 pm	100	Vincent Biourge	Comparison of Dietary Strategies on the Perception of Hunger During a Field Feline Weight Loss Program
6:00 pm	101	Joana Nery	Influence of Dietary Protein Source and Content on Fecal Quality and Gene Expression of Water and Electrolyte Transporters of Colon in Miniature Poodles and German Shepherds

#### **SMALL ANIMAL – INFECTIOUS DISEASE**

2:15 pm	102	Iain Keir	Influence of Empirical Antimicrobial Choice on Outcome following Septic Peritonitis in Dogs
2:30 pm	103	Dawn Boothe	Detection of Fluoroquinolone Resistance Level in Clinical Canine and Feline Escherichia coli Pathogens Using Rapid and Early Real-Time PCR Assay
<b>2:45 pm</b>	<b>104</b>	<b>Ashley Cruse</b>	<b>Evaluation of Potential Biomarkers for Canine Sepsis</b>
3:00 pm	105	Barbara Kohn	Pulmonary Manifestation in Canine Leptospirosis
3:15 pm	106	Susan Little	Seroprevalence of FeLV and FIV in Canada
3:30 pm	107	Desiree Kruse	Prognostic Factors in Cats with Feline Panleucopenia
<b>3:45 pm</b>	<b>108</b>	<b>Elizabeth Lechner</b>	<b>Prevalence of Protective Antibody Titers for Distemper Virus and Parvovirus in Dogs Entering a Florida Animal Shelter</b>

#### *BREAK*

4:30 pm	109	Melissa Beall	Detection of Canine Parvovirus Type 2c by a Commercially Available In-house Rapid Test
4:45 pm	110	Stephanie Janeczko	Prevalence of, Risk Factors for, and Assemblage Types of Giardia Infection in Cats Housed in an Animal Shelter

5:00 pm	111	Jody Gookin	Assessment of Reproductive Tract Disease in Cats at Risk for Enteric Tritrichomonas foetus Infection
5:15 pm	112	Matt Eberts	Use of Snap®4Dx® Assay to Monitor Tick-Borne Infection in Minnesota: A 4 Year Study
5:30 pm	113	Michael Lappin	Prevalence of Hemoplasma DNA in Field-Caught Mosquitoes in Colorado
<b>5:45 pm</b>	<b>114</b>	<b>Christina Bradbury</b>	<b>Topical Imidacloprid and Moxidectin Prevents Flea Transmission of Bartonella henselae in Cats</b>
6:00 pm	115	Katrin Hartmann	Outcome and Prognostic Factors in Dogs with Canine Leishmaniasis in a Non-Endemic Country

#### **EQUINE**

2:15 pm	116	Mary Rose Paradis	The Use of Computer Tomography in the Diagnosis of Septic Arthritis/Osteomyelitis in the Neonatal Foal
<b>2:30 pm</b>	<b>117</b>	<b>Rosa Barsnick</b>	<b>Endocrine Energy Response in Septic Foals: Insulin, Leptin and Adiponectin</b>
<b>2:45 pm</b>	<b>118</b>	<b>Dominic Dawson</b>	<b>Opsonization of Rhodococcus equi with High Antibody Plasma decreases Bacterial Viability and Promotes Phagocyte Activation</b>
3:00 pm	119	Lais Costa	Plasma Endothelin Concentrations in Septic and Non-septic Neonatal Foals
3:15 pm	120	Jose L. Mendez	Thromboelastography (TEG): An Innovative Technique for Early Detection of Hemostatic Abnormalities in Foals with Septicemia
3:30 pm	121	Gayle Hallowell	Effects of Dobutamine and Atropine and Acetylpromazine on Aortic Valve Function in the Horse
3:45 pm	122	Andrew van Eps	Intravenous 99m-technetium Liposomes in Horses: A Safety and Biodistribution Study

#### *BREAK*

4:30 pm	123	Jill Munro	Prevalence and Risk Factors for Hyperinsulinemia in Clinically Normal Horses in Central Ohio
4:45 pm	124	Jill Munro	Seasonal Variation in Plasma Insulin and Glucose Concentration in Normal Horses in Central Ohio
5:00 pm	125	Nicholas Frank	Effects of a Supplement Containing Chromium and Magnesium on Insulin Sensitivity in Horses with Equine Metabolic Syndrome
<b>5:15 pm</b>	<b>126</b>	<b>Rebecca Funk</b>	<b>Seasonal Changes in the Combined Glucose Insulin Tolerance Test in Normal Aged Horses</b>
5:30 pm	127	Nicholas Frank	Effects of Sampling Time and Hay Feeding on Blood Glucose, Insulin, and Adrenocorticotropin Hormone (ACTH) Concentrations in Horses
5:45 pm	128	Nicholas Frank	Effects of Endotoxemia and Carbohydrate Overload on Glucose and Insulin Dynamics and the Development of Laminitis in Horses
<b>6:00 pm</b>	<b>129</b>	<b>Teresa Burns</b>	<b>Pro-Inflammatory Cytokine and Chemokine Expression Profiles of Various Adipose Tissue Depots of Insulin-Resistant and Insulin-Sensitive Light Breed Horses</b>

*\*\*Also see Equine abstracts 49 - 60 (Thursday, June 4, 9:00 am - 12:30 pm) and Equine abstracts 142 - 143 (Thursday, June 4, 5:45 pm - 6:15 pm)*

#### **FOOD ANIMAL**

2:15 pm	130	Jody Gookin	An Animated Model of Reticulorumen Motility
2:30 pm	131	Alexandra Burton	A Retrospective Study of 106 Cases of Bovine Lymphosarcoma
2:45 pm	132	David Francoz	Determination of Dairy Cows Hematological Reference Interval by 3 Methods and Evaluation of Confounding Factors
<b>3:00 pm</b>	<b>133</b>	<b>Anita Varga</b>	<b>Correlation of Serum Cardiac Troponin I and Myocardial Damage in Cattle with Monensin Toxicosis</b>
<b>3:15 pm</b>	<b>134</b>	<b>Anita Varga</b>	<b>Validation of the I-STAT Stallside Immunoassay for the Measurement of Bovine Cardiac Troponin I and its Clinical Relevance</b>
3:30 pm	135	Baljit Singh	RGD-conjugated Helical Rosette Nanotubes Inhibit Chemotaxis and Cell Signaling of Cattle Neutrophils
3:45 pm	136	Michel Levy	Experimental Infection of Colostrum-Deprived Calves with Bovine Viral Diarrhea Virus Type-1 Isolated from Free-Ranging White-Tailed Deer (Odocoileus virginianus)

#### *BREAK*

4:30 pm	137	Nathalie Kirschvink	Evidence for Transplacental Passage of Bluetongue Virus Serotype 8 in Sheep
4:45 pm	138	Nathalie Kirschvink	Long Term Follow up of Rams' Semen Quality after Natural Infection with Bluetongue Virus Serotype 8
<b>5:00 pm</b>	<b>139</b>	<b>Teresa Buchheit</b>	<b>Prevalence of BVDV on Alpaca Farms in Eastern and Middle Tennessee</b>

5:15 pm	140	Mireille Meylan	Seroprevalence of Bovine Viral Diarrhea in New World Camelids in Switzerland and Implications for the Eradication Campaign in the Bovine Population
5:30 pm	141	Mireille Meylan	Tuberculosis caused by Mycobacterium microti in New World camelids
<b>EQUINE</b>			
5:45 pm	142	Jennifer Davis	Pharmacokinetics of Intravenous Enrofloxacin and its Active Metabolite Ciprofloxacin in Hospitalized Horses
6:00 pm	143	James Belknap	Lamellar Leukocyte Accumulation and Epithelial Stress in Horses with Carbohydrate Overload-Induced Laminitis

*\*\* Also see Equine abstracts 49 - 60 (Thursday, June 4, 9:00 am - 12:30 pm) and Equine abstracts 116 - 129 (Thursday, June 4, 2:15 pm - 6:15 pm)*

## ORAL PRESENTATIONS – Friday, June 5

### SMALL ANIMAL – RESPIRATORY

8:00 am	144	Elizabeth Rozanski	The Effect of Tracheal Lavage Administration on Lung Function in Healthy Kittens
8:15 am	145	Laura Nafe	Utility of Biomarkers in Bronchoalveolar Lavage Fluid for Discrimination of Asthma and Chronic Bronchitis in Cats
<b>8:30 am</b>	<b>146</b>	<b>Tekla Lee-Fowler</b>	<b>Comparison of Intradermal Skin Testing and Allergen-Specific Serum Immunoglobulin E (IgE) in Experimental Feline Asthma</b>
<b>8:45 am</b>	<b>147</b>	<b>Jason Eberhardt</b>	<b>Chronic Administration of feG-COOH in Experimental Feline Asthma</b>
9:00 am	148	Ray Dillon	Progression of Circulating Antigen and Antibody Responses in Cats Experimentally Infected with D Immitis
9:15 am	149	Anne Wooldridge	Isometric Responses of Isolated Intrapulmonary Bronchioles from Cats with and without Adult Heartworm Infection
9:30 am	150	Henna Heikkilä	Matrix Metalloproteinase -2 and -9 in Bronchoalveolar Lavage Fluid of Dogs with Idiopathic Pulmonary Fibrosis
9:45 am	151	Baljit Singh	Recruitment of Pulmonary Intravascular Macrophages in Immune-Mediated Hemolytic Anemia In Dogs

### SMALL ANIMAL – HEPATOLOGY

8:00 am	152	Cynthia Webster	Cyclic AMP Attenuates Fatty Acid Induced Apoptosis in an In vitro Model of Hepatic Lipotoxicity
8:15 am	153	Kenny Simpson	Culture-Independent Detection of Bacteria in Feline Inflammatory Liver Disease

### SMALL ANIMAL – IMMUNOLOGY

<b>8:30 am</b>	<b>154</b>	<b>Todd Archer</b>	<b>Development of a Flow Cytometric Panel of T-lymphocyte Biomarkers to Evaluate the Immunosuppressive Effects of Cyclosporine in Dogs</b>
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### SMALL ANIMAL – GASTROENTEROLOGY

8:45 am	155	Niels Gruetzner	Evaluation of Serum Concentrations of Immunoglobulin A and Immunoglobulin M in Chinese Shar Peis with Cobalamin Deficiency
9:00 am	156	Aarti Kathrani	Genetical Analysis of Toll-Like Receptor Genes in German Shepherd Dogs Reveals Potential Polymorphism Associated with Inflammatory Bowel Disease
9:15 am	157	Iwan Burgener	Urinary Leukotriene E4 Excretion is Increased in Dogs with Chronic Enteropathies
9:30 am	158	Melanie Craven	High Throughput Pyrosequencing Reveals Reduced Bacterial Diversity in the Duodenal Mucosa of Dogs with IBD
9:45 am	159	Melanie Craven	E. Coli Associated with Granulomatous Colitis of Boxer Dogs Frequently Manifest Resistance to Antibiotics
<b>2:15 pm</b>	<b>160</b>	<b>Susan Simmerson</b>	<b>Description of Protein-Losing Enteropathy in Yorkshire Terrier Dogs using the W.S.A.V.A. Gastrointestinal Classification System</b>
2:30 pm	161	Joshua Hobbs	Doppler Ultrasound Analysis of Gastrointestinal Blood Flow for Differentiating Food Allergic from Non-Food Allergic Pruritic Dogs
<b>2:45 pm</b>	<b>162</b>	<b>Heather Graham</b>	<b>Effects of Prednisone or Prednisone with Ultralow-dose Aspirin on the Gastroduodenal Mucosa of Healthy Dogs</b>
3:00 pm	163	Panagiotis Xenoulis	Serum Triglyceride Concentrations in Miniature Schnauzers with and without a History of Pancreatitis
3:15 pm	164	Lisa Prior	Serial Evaluation of Canine Pancreatic Lipase (Spec cPL) in Dogs with Clinical Signs of Pancreatitis

3:30 pm	165	Marnin Forman	Evaluation of Feline Pancreas-Specific Lipase (Spec fPL) for the Diagnosis of Feline Pancreatitis
<b>3:45 pm</b>	<b>166</b>	<b>Kelly McCord</b>	<b>A Multi-Institutional Study Evaluating Diagnostic Utility of Spec cPL in the Diagnosis of Acute Pancreatitis in Dogs</b>
<i>BREAK</i>			
4:30 pm	167	Suzanne Bailey	Clinical Significance of Increased Serum Feline Pancreatic Lipase Immunoreactivity Concentrations in Cats with Inflammatory Bowel Disease
4:45 pm	168	Dennis O'Brien	Serum D-Lactate Concentrations in Cats with Gastrointestinal Disease
5:00 pm	169	Nora Berghoff	Association of Serum Cobalamin and Methylmalonic Acid Concentrations in Dogs
<b>5:15 pm</b>	<b>170</b>	<b>Kelly McCord</b>	<b>Comparison of Gastrointestinal Motility in Dogs Treated with Metoclopramide, Cisapride, Erythromycin or Maropitant Using the SmartPill™</b>
5:30 pm	171	Frederic Gaschen	Variability Associated with Repeated Measurements of Gastric Emptying using the SmartPill pH.p Wireless Capsule and Scintigraphy in Dogs
5:45 pm	172	Michael Lappin	The Esophageal Transit Time of Tablets or Capsules in Cats following Administration with FlavoRx® Pill Glide or Pill Delivery Treats
6:00 pm	173	Diane Frank	Gastrointestinal Disease in Dogs with Excessive Licking of Surfaces