



ACVIM FORUM

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Research Abstract Program of the 2010 ACVIM Forum

Anaheim, California,
June 9 – 12, 2010
Index of Abstracts

ORAL PRESENTATIONS – Thursday, June 10

| Time | # | Presenting Author | Abstract Title |
|------------------------------------|----------|---------------------|--|
| SMALL ANIMAL – CARDIOLOGY** | | | |
| 9:00 am | 1 | Sonja Fonfara | Cytokine and Matrix Metalloproteinase Expression in Blood Samples of Dogs With Congestive Heart Failure |
| 9:15 am | 2 | Dennis Trafny | Cardiac Troponin-I Concentration is Elevated Pre and Post-Pacing in Dogs With Bradyarrhythmias: Is Myocarditis a Potential Etiology? |
| 9:30 am | 3 | Kristine Yee | Diagnostic Test Parameters in Cats With Heart Disease and their Correlation With NT-proANP, NT-proBNP and Troponin I Measurements |
| 9:45 am | 4 | Gemma Fraga Veloso | Expression of Urocortins in Canine Myocardium and Plasma Levels in Dogs With Cardiac Disease |
| <i>BREAK</i> | | | |
| 10:30 am | 5 | Dan Ohad | Is the Cardio-Renal-Anemia Syndrome Prevalent in Dogs? |
| 10:45 am | 6 | Andrea Lantis | Aldosterone Escape in Furosemide-Activated Circulating Renin-Angiotensin-Aldosterone System (RAAS) in Normal Dogs |
| 11:00 am | 7 | Melanie Hezzell | Relationships Between Serum and Urine Aldosterone, Ventricular Remodelling and Outcome in Dogs With Mitral Valve Disease |
| 11:15 am | 8 | Ian Jones | Flow Mediated Vasodilation in Canine Chronic Mitral Valve Disease |
| 11:30 am | 9 | Inge Tarnow | Congestive Heart Failure in Dogs is Associated With Enhanced Platelet-Leukocyte Aggregates - A Marker for Platelet Activation |
| 11:45 am | 10 | Inge Tarnow | Thromboelastography in Dogs With Asymptomatic Myxomatous Mitral Valve Disease |
| 12:00 pm | 11 | Caroline Rasmussen | 24-hour Electrocardiography in Clinical Healthy Cavalier King Charles Spaniels, Wire-Haired Dachshunds and Cairn Terriers |
| 12:15 pm | 12 | Lisa Freeman | Development and Evaluation of a Quality of Life Questionnaire for Cats With Cardiac Disease |

**** Also see Cardiology abstracts 68 - 81 (Thursday, June 10, 2:15 pm – 6:00 pm)**

SMALL ANIMAL – ONCOLOGY

| | | | |
|----------------|-----------|-------------------------|---|
| 9:00 am | 13 | Luis Lembcke | Evaluation of Tyrosinase Expression in Canine and Equine Melanocytic Tumors |
| 9:15 am | 14 | Rebecca Brown | Expression of KIT in Canine Anal Sac Adenocarcinoma Using Tissue Immunohistochemistry |
| 9:30 am | 15 | Courtney Mallett | Immunohistochemical Characterization of Feline Mast Cell Tumors |
| 9:45 am | 16 | Shannon Parfitt | Radiosensitivity and Capacity for Radiation-Induced Sublethal Damage Repair of Canine Transitional Cell Carcinoma Cell Lines |
| <i>BREAK</i> | | | |
| 10:30 am | 17 | Jeffrey Phillips | Genetics of Osteosarcoma in the Scottish Deerhound |
| 10:45 am | 18 | Masahiko Sato | Perfusion Method for Bone Marrow Cell Harvesting in Dogs |
| 11:00 am | 19 | Sandra Axiak | Immunodysfunction in Dogs With Lymphoma |

Boldface type indicates ACVIM Resident Research Award eligibility. Presentation times are subject to change.

SMALL ANIMAL – NEPHROLOGY/UROLOGY**

| | | | |
|-----------------|-----------|-------------------------|---|
| 9:00 am | 20 | Anant Radhakrishnan | Urethral Stent Placement Using Digital Radiography: 10 Cases |
| 9:15 am | 21 | Amanda Blackburn | Urethral Stenting in Canine Patients With Urothelial Carcinoma: A Review of 41 Cases (2004-2008) |
| 9:30 am | 22 | Merja Leinonen | The Effect of Contrast Ultrasound on Kidneys in Cats |
| 9:45 am | 23 | Katie Baxter | Renal Disease in Cats Infected With Feline Immunodeficiency Virus |
| <i>BREAK</i> | | | |
| 10:30 am | 24 | Dominique Paepe | Screening of Ragdoll Cats for Kidney Disease: A Retrospective Evaluation |
| 10:45 am | 25 | Shubhro Chakrabarti | Anemia Predicts Progression of Chronic Kidney Disease in Newly Diagnosed Azotemic Cats |
| 11:00 am | 26 | Emily Klosterman | A Case-Control Study of Nephrotic Syndrome in Dogs: 78 Cases |
| 11:15 am | 27 | Meaghan Whalen | Inhibition of P-Fimbriated <i>Escherichia coli</i> Adhesion in an Innovational Ex-vivo Model in Dogs Receiving a Bioactive Cranberry Tablet (Crananidin™) |
| 11:30 am | 28 | Namphung Suemanotham | Immunohistochemical Expression of Cyclooxygenase (COX)-1 and -2 Enzymes in Feline Kidney Disease |
| 11:45 am | 29 | Stephanie Lalor | Do Cats With Hypertension But No Ocular Lesions Have Increases in Plasma NT-ProBNP Concentration? |
| 12:00 pm | 30 | Dominique Paepe | Comparison of Plasma Exo-Iohexol, Endo-Iohexol and Creatinine Clearances in Cats With Low, Normal and High Glomerular Filtration Rates |
| 12:15 pm | 31 | Dominique Paepe | Limited Sampling Strategies to Estimate Glomerular Filtration Rate in Cats With Low, Normal and High Glomerular Filtration Rates |

**** Also see Nephrology/Urology abstracts 105 - 109 (Thursday, June 10, 5:00 pm – 6:00 pm)**

SMALL ANIMAL – HEMATOLOGY**

| | | | |
|-----------------|-----------|-----------------------|---|
| 9:00 am | 32 | Mads Kjelgaard-Hansen | Increased Concentrations of Cytokines Related to Macrophage/Monocyte Activity and Recruitment are Risk Factors for Mortality in Primary Canine Immune-Mediated Hemolytic Anemia |
| 9:15 am | 33 | Robert Goggs | Serial Analysis of Coagulation Parameters in Dogs With Immune-Mediated Hemolytic Anemia (IMHA) Using Thromboelastography® (TEG) |
| 9:30 am | 34 | Alice Huang | Apparent Lack of Association Between Primary Immune-Mediated Thrombocytopenia and Recent Vaccination in Dogs |
| 9:45 am | 35 | Sarah Flint | Thromboelastography in Dogs With Immune-Mediated Hemolytic Anemia Treated With Prednisone, Azathioprine and Low-Dose Aspirin |
| <i>BREAK</i> | | | |
| 10:30 am | 36 | Amir Kol | Serial Thromboelastographic Monitoring of Dogs with Multicentric Lymphoma |
| 10:45 am | 37 | Alan Ralph | The Effect of Storage Temperature on Thromboelastography Endpoints Using Citrated Canine Whole Blood |
| 11:00 am | 38 | John Thomason | Effects of Aspirin on Canine Platelet Cyclooxygenase Expression |
| 11:15 am | 39 | John Thomason | Effects of Oral Cyclosporine on Platelet Activity in Normal Dogs |
| 11:30 am | 40 | Curtis Cathcart | The Effect of In Vivo Treatment With Acetylsalicylic Acid and Meloxicam on Platelet Aggregation in Cats |
| 11:45 am | 41 | Nicola Wilson | Clinical Investigation of a Point-of-Care Hematology Analyzer in Dogs Receiving Chemotherapy |
| 12:00 pm | 42 | Jason Reeder | Gross and Histologic Quality of Bone Marrow Core Specimens Obtained from the Same Site by a Combined Aspiration and Biopsy Technique in Dogs |
| 12:15 pm | 43 | Alice Defarges | Sternal Bone Marrow Aspiration in Clinically Normal Small Dogs |

**** Also see Hematology abstracts 53 - 55 (Thursday, June 10, 11:45 am – 12:15 pm)**

SMALL ANIMAL – ENDOCRINOLOGY

| | | | |
|-----------------|-----------|-------------------------|---|
| 9:00 am | 44 | Tim Williams | Iatrogenic Hypothyroidism (IH) Contributes to the Development of Azotemia in Hyperthyroid Cats |
| 9:15 am | 45 | Miguel Campos | Effect of Recombinant Human TSH on the Uptake of Radioactive Iodine (123I) by the Thyroid Gland in Healthy Beagles |
| 9:30 am | 46 | Audrey Cook | Evaluation of Content of Compounded Trilostane Products |
| 9:45 am | 47 | Khristen Carlson | Optimization of a Test Protocol to Assess Aldosterone Secretory Capacity in Dogs |
| 10:00 am | 47a | Stijn Niessen | Development of a Measure of Quality of Life for Cats with Diabetes Mellitus and their Owners: The DIAQol-pet (<i>ECVIM Award Winner</i>) |
| <i>BREAK</i> | | | |
| 10:30 am | 48 | Linda Martin | Comparison of Low-Dose and Standard-Dose ACTH Stimulation Tests in Critically Ill Dogs by Assessment of Serum Total and Free Cortisol Concentrations |
| 10:45 am | 49 | Elizabeth Lennon | Urine Sodium Concentrations in Hyponatremic Dogs With Hypoadrenocorticism |
| 11:00 am | 50 | Siobhan O'Neill | Evaluation of Cytokines, Chemokines, and Hormones in Dogs With Diabetic Ketoacidosis and Uncomplicated Diabetes Mellitus |
| 11:15 am | 51 | Jacquie Rand | Glargine Administered Intramuscularly is Effective for Treatment of Feline Diabetic Ketoacidosis |
| 11:30 am | 52 | Sibylle Buob | An Intermittent Insulin Protocol Improves Metabolic Acidosis Faster Than a Continuous Rate Infusion of Regular Insulin in Feline Diabetic Ketoacidosis |

SMALL ANIMAL – HEMATOLOGY**

| | | | |
|----------|----|---------------------|--|
| 11:45 am | 53 | Charlotte Bjornvad | Obesity in Physically Inactive Domestic Shorthaired Cats is Associated With a Hypercoagulable State |
| 12:00 pm | 54 | Rachel Rasmussen | Seasonality and Vector-Borne Disease Screening in Southern California Dogs With Immune Mediated Hemolytic Anemia |
| 12:15 pm | 55 | Sara Zaldivar-Lopez | Chemistry Panel and Acid-Base Values in Retired Racing Greyhounds Using a Critical Care Analyzer |

**** Also see Hematology abstracts 32 - 43 (Thursday, June 10, 9:00 am – 12:15 pm)**

EQUINE**

| | | | |
|--------------|----|-------------------|--|
| 9:00 am | 56 | Ashley Hill | Skin From Horses With Hereditary Equine Regional Dermal Asthenia (HERDA) Contains Collagen Crosslinking Patterns that Cause Reduced Tensile Strength |
| 9:15 am | 57 | Robert Mealey | Use of an Equine Lentivirus Vector to Deliver Pathogen Genes to Dendritic Cells for Induction of Cytotoxic T Lymphocyte Responses in Horses |
| 9:30 am | 58 | Dianne McFarlane | Neutrophil Function in Healthy Aged Horses and Horses With Pituitary Dysfunction |
| 9:45 am | 59 | Dianne McFarlane | The Effect of Latitude of Residence, Breed and Pituitary Dysfunction on Seasonal Plasma ACTH and MSH Concentration |
| BREAK | | | |
| 10:30 am | 60 | Teresa Burns | Characterization of Leptin and Adiponectin Gene Expression Patterns in Various Adipose Tissue Depots of Insulin-Resistant and Insulin-Sensitive Light Breed Horses |
| 10:45 am | 61 | Kelly Chamero | Effects of Metformin Hydrochloride on Glucose Dynamics During Transition to Grazing in Insulin-Resistant Horses |
| 11:00 am | 62 | Andrew van Eps | Digital Hypothermia Inhibits Early Lamellar Inflammatory Signaling in the Oligofructose Laminitis Model |
| 11:15 am | 63 | Sophy Jesty | Continuous Cardiac Output Monitoring in Exercising Horses Using PulseCO® |
| 11:30 am | 64 | Nicola Pusterla | Assessment of Congenital Neosporosis in Broodmares Originating from a Farm in California with High Prevalence of Antibodies to <i>Neospora hughesi</i> |
| 11:45 am | 65 | NC Ringger | Comparison of 2 Biomarkers of Neuronal Injury in Neonatal Foals With Hypoxic-Ischemic Encephalopathy |
| 12:00 pm | 66 | Kelsey Hart | Effects of Low-Dose Hydrocortisone Therapy on Measures of Innate Immune Function in Healthy Neonatal Foals |
| 12:15 pm | 67 | Johanna Elfenbein | Effects of Deferoxamine on Iron Elimination Following Blood Transfusion in Neonatal Foals |

**** Also see Equine abstracts 124 - 137 (Thursday, June 10, 2:15 pm – 6:00 pm)**

SMALL ANIMAL – CARDIOLOGY**

| | | | |
|--------------|----|----------------|---|
| 2:15 pm | 68 | Serena Crosara | Use of Contrast Echocardiography for the Evaluation of Myocardial Perfusion and Pulmonary Transit Time in Normal Dogs. A Pilot Study |
| 2:30 pm | 69 | David Prandi | A New Radiologic Measurement to Study Left Atrial Enlargement in Dogs With Mitral Insufficiency: Preliminary Study |
| 2:45 pm | 70 | John MacGregor | Use of Pimobendan in 161 Cats (2006-2009) |
| 3:00 pm | 71 | Sabine Riesen | Effects of Ivabradine on Invasive Indices of LV Function in Anesthetized Cats With Hypertrophic Cardiomyopathy |
| 3:15 pm | 72 | Kathryn Meurs | A Splice Site Mutation in a Gene Encoding for a Mitochondrial Protein is Associated With the Development of Dilated Cardiomyopathy in the Doberman Pinscher |
| 3:30 pm | 73 | Mandi Schmidt | Combined Cutting Balloon and High Pressure Balloon Valvuloplasty for Dogs With Severe Subaortic Stenosis |
| 3:45 pm | 74 | Joshua Stern | Familial Subvalvular Aortic Stenosis Appears to be an Autosomal Recessive Inherited Trait in Golden Retrievers |
| BREAK | | | |
| 4:30 pm | 75 | Nonya Fiakpui | Pharmacokinetics of Fondaparinux in Healthy Cats |
| 4:45 pm | 76 | Janet Olson | Minimally Invasive Per-Catheter Patent Ductus Arteriosus Occlusion in Small Dogs (<3 kg): preliminary results |
| 5:00 pm | 77 | Brian Maran | Identification of Beta-1 Adrenergic Receptor Polymorphisms in Cats |
| 5:15 pm | 78 | Richard Cober | Effects of Ivabradine, A Selective I_f Channel Inhibitor, on Heart Rate in Healthy Cats |
| 5:30 pm | 79 | Agnieszka Kent | Effects of Atenolol, Ivabradine and Pimobendan on Left Atrial Function: An Echocardiographic Study in Healthy Cats |
| 5:45 pm | 80 | Justin Allen | NT-proBNP Levels in 30 Cats With Dynamic Right Ventricular Outflow Obstruction |
| 6:00 pm | 81 | James Andrade | Mitral Annuloplasty by External Plication in Dogs With Mixomatous Mitral Valve Degeneration |

**** Also see Cardiology abstracts 1 - 12 (Thursday, June 10, 9:00 am – 12:15 pm)**

SMALL ANIMAL – NEUROLOGY

| | | | |
|--------------|----|----------------------|--|
| 2:15 pm | 82 | Cynthia Gaskill | Comparison of Phenobarbital and Potassium Bromide Monotherapies in the Treatment of Canine Epilepsy |
| 2:30 pm | 83 | Rossi House | Increased Blood Ammonia Concentration After Generalized Seizures in Dogs |
| 2:45 pm | 84 | Beverly Sturges | Safety, Performance and Efficacy of a Seizure Advisory System |
| 3:00 pm | 85 | Paula Martin-Vaquero | Magnetic Resonance Imaging of the Canine Brain at 3.0 T and 7.0 T |
| 3:15 pm | 86 | Zachary Niman | Vascular Endothelial Growth Factor (VEGF) Levels in the Cerebrospinal Fluid of Dogs With Intracranial Disease |
| 3:30 pm | 87 | Allison Haley | Investigation of Canine Primary Brain Tumors for the Presence of DNA from Herpes- and Polyomaviruses by Broadly Reactive Pan-Viral PCR (99 Cases) |
| 3:45 pm | 88 | Mylene-Kim Leclerc | Interobserver Agreement and Accuracy in the Interpretation of Brain Magnetic Resonance Imaging in Dogs |
| BREAK | | | |
| 4:30 pm | 89 | Lisa Lipitz | Central Nervous System Blastomycosis in 4 Dogs |
| 4:45 pm | 90 | Lisa Gerlach | Plasma Cell Neoplasia of the Vertebral Column: Imaging, Clinicopathologic Findings, and Long-term Outcome With Treatment |
| 5:00 pm | 91 | Steven De Decker | Morphometric Dimensions of the Caudal Cervical Region in Doberman Pinschers With Clinical Signs of Disk Associated Wobbler Syndrome (DAWS), Clinically Normal Doberman Pinschers and Clinically Normal Foxhounds |
| 5:15 pm | 92 | Jason King | A Candidate Gene Approach to Myasthenia Gravis in Newfoundlands |

| | | | |
|---------|----|------------------|---|
| 5:30 pm | 93 | Laura Vasquez | Motor Unit Number Estimation Using the Incremental Method in Normal Dogs |
| 5:45 pm | 94 | Ashley Bensfield | Lower Motor Neuron Dysfunction Consistent With a Peripheral Neuropathy in Young Bengal Cats |
| 6:00 pm | 95 | Eva Furrow | Atypical Collapse in Exercising Labrador Retrievers Unaffected by the Dynamin-1 Mutation |

SMALL ANIMAL – RESPIRATORY

| | | | |
|--------------|-----|-------------------|--|
| 2:15 pm | 96 | Chick Weisse | Initial Short-Term Experience With Cisterna Chyli and Thoracic Duct Glue Embolization for Idiopathic Chylothorax in 2 Dogs and 1 Cat |
| 2:30 pm | 97 | Emilie Krafft | Serum Endothelin-1 Concentration in Terrier Dogs With Idiopathic Pulmonary Fibrosis |
| 2:45 pm | 98 | Claire Sharp | Endothelin-1 Concentrations in Bronchoalveolar Lavage Fluid from Healthy Control and Experimentally Asthmatic Cats |
| 3:00 pm | 99 | Carol Reinero | Metabolomic Breath Analysis for Small Molecule Biomarkers in Airways of Experimentally Asthmatic Cats |
| 3:15 pm | 100 | Christine Cocayne | Subclinical Airway Inflammation Despite Oral Corticosteroid Therapy in Cats With Lower Airway Disease |
| 3:30 pm | 101 | Jérôme Leemans | Effects of Doxycycline on Bronchial Inflammation and Hyperresponsiveness and on Protease Activity in a Feline Model of Acute Asthma |
| 3:45 pm | 102 | Jefferson Manens | Respiratory Functional Assessment Using Barometric Whole-Body Plethysmography in Healthy Growing and Aging Beagle Dogs |
| <i>BREAK</i> | | | |
| 4:30 pm | 103 | Carol Reinero | Nebulized Acetylcysteine in Cats With Experimental Asthma |
| 4:45 pm | 104 | Henna Heikkilä | Elevation of Procollagen Type III Amino Terminal Propeptide Concentration in Bronchoalveolar Lavage Fluid of Dogs With Idiopathic Pulmonary Fibrosis |

SMALL ANIMAL – NEPHROLOGY/UROLOGY**

| | | | |
|---------|-----|------------------|--|
| 5:00 pm | 105 | Brice Reynolds | Effects of High Versus Normal Salt Diets on Renal Variables in Aged Cats: A 6-Month Blinded Randomized Prospective Study |
| 5:15 pm | 106 | Doreen Houston | Efficacy of a Diet Designed With a Relative Supersaturation (RSS) |
| 5:30 pm | 107 | Hasan Albasan | Evaluating Demographic Risk Factors for Urate Uroliths in Cats |
| 5:45 pm | 108 | Ingrid van Hoek | Urinary pH is Not a Major Factor in Urinary CaOx Supersaturation of Healthy Cats |
| 6:00 pm | 109 | Jennifer MacLeay | Struvite Urolith Dissolution in 5 Cats Fed a Maintenance Diet With 0.06% Magnesium, 35% Protein and a Targeted Urine pH of 6.2-6.4 |

** Also see *Nephrology/Urology abstracts 20 - 31 (Thursday, June 10, 9:00 am – 12:15 pm)*

SMALL ANIMAL – INFECTIOUS DISEASE

| | | | |
|--------------|-----|-----------------------|--|
| 2:15 pm | 110 | Katherine Stenske | Surveillance of Bacterial Contamination in Small Animal Hospital Environments in Kansas |
| 2:30 pm | 111 | Elise Gingrich | Prevalence of Methicillin-resistant <i>Staphylococci</i> in a Northern Colorado Animal Shelter |
| 2:45 pm | 112 | Erika Meler | Hospital Prevalence and Risk Factors for Methicillin-Resistant <i>Staphylococcus</i> Infections in Small Animals at the Purdue University Veterinary Teaching Hospital (PUVTH), 2006-2009 |
| 3:00 pm | 113 | Michael Lappin | Feline Herpesvirus-1 and <i>Mycoplasma</i> Spp. Infections in Cats With Acute Conjunctivitis in an Animal Shelter |
| 3:15 pm | 114 | Alyssa Mourning | Antigen Vs Antibody Testing for the Diagnosis of Blastomycosis Infection in Dogs |
| 3:30 pm | 115 | Daniel Foy | Correlation of Urine and Serum Blastomyces Antigen Levels With Clinical Remission in Dogs With Blastomycosis |
| 3:45 pm | 116 | Mads Kjelgaard-Hansen | Monocyte Chemoattractant Protein-1 Concentration is a Marker of Mortality in Canine Babesiosis Caused by <i>Babesia rossi</i> |
| <i>BREAK</i> | | | |
| 4:30 pm | 117 | Amelia Goddard | Mortality in Canine Babesiosis is Associated With a Consumptive Coagulopathy |
| 4:45 pm | 118 | Michael Lappin | Effect of Vaccination on Results of Real Time PCR Assays for Adenovirus 2, Bordetella Bronchiseptica and Parainfluenza |
| 5:00 pm | 119 | Paolo Silvestrini | Serum Cardiac Troponin I Concentration in Dogs With Leishmaniasis |

SMALL ANIMAL – IMMUNOLOGY

| | | | |
|---------|-----|--------------|---|
| 5:15 pm | 120 | Claire Sharp | Inflammatory Biomarkers for Canine Sepsis |
| 5:30 pm | 121 | Claire Sharp | Inflammatory Biomarkers for Sepsis in Cats |
| 5:45 pm | 122 | Todd Archer | Effects of Different Oral Doses of Cyclosporine on T-Lymphocyte Biomarkers of Immunosuppression in Normal Dogs |

SMALL ANIMAL – PHARMACOLOGY

| | | | |
|---------|-----|-------------|---|
| 6:00 pm | 123 | Lisa Singer | Pharmacokinetics of Leflunomide in Healthy Dogs |
|---------|-----|-------------|---|

EQUINE**

| | | | |
|---------|-----|-------------------|---|
| 2:15 pm | 124 | Rosa Barsnick | Hormones of Energy Metabolism in Septic Foals: Associations between Insulin, Glucagon, Leptin, Adiponectin, Ghrelin and Growth Hormone |
| 2:30 pm | 125 | Jamie Wearn | Effects of the Insulin Sensitizing Drug Pioglitazone on Indices of Insulin Homeostasis in Horses Following Endotoxin Administration |
| 2:45 pm | 126 | Cody Alcott | Attenuation of Endotoxemia in Horses With a Ketamine Continuous Rate Infusion |
| 3:00 pm | 127 | Linda Frelstedt | Endotoxin Tolerance Induced In Vitro in Equine Lymphocytes |
| 3:15 pm | 128 | Lauren Wise | In Vitro Activity of Ponazuril Against <i>Theileria equi</i> |
| 3:30 pm | 129 | Joanie Palmero | Experimental Infection With <i>Bartonella henselae</i> and <i>Bartonella bovis</i> in Horses |
| 3:45 pm | 130 | Robert Carmichael | Seroprevalence of <i>Anaplasma phagocytophilum</i>, <i>Borrelia burgdorferi</i> and <i>Ehrlichia</i> spp. in Horses in Oklahoma |

BREAK

| | | | |
|---------|-----|----------------------|---|
| 4:30 pm | 131 | Katharyn Mitchell | Prevalence of <i>Salmonella</i> spp. in Healthy Foals, Crias and their Dams in the New York State Area |
| 4:45 pm | 132 | Jennifer Sonis | Prevalence of Equine Herpesvirus 1 and Equine Herpesvirus 4 as Detected by Quantitative Polymerase Chain Reaction in Nasal Secretions of Febrile Horses |
| 5:00 pm | 133 | Nora Nogradi | Field Efficacy Trial of An Intra-Rectally Administered Avirulent, Live Lawsonia Intracellularis Vaccine on Endemic Horse Farms in Central Kentucky |
| 5:15 pm | 134 | Pedro De Pedro | Development of Exogenous Lactate Clearance Curves in Normal Horses |
| 5:30 pm | 135 | Seika Hashimoto-Hill | Lactate Clearance in Horses With Acute Colitis |
| 5:45 pm | 136 | Robert Carmichael | Pharmacokinetics of Ganciclovir After Single Intravenous Administration in the Adult Horse |
| 6:00 pm | 137 | Holly Bedford | Early Diagnosis and Treatment of Muscle Atrophy and Weakness Associated With Vitamin E Deficiency |

**** Also see Equine abstracts 56 - 67 (Thursday, June 10, 9:00 am – 12:15 pm)**

FOOD ANIMAL

| | | | |
|--------------|-----|--------------------------|---|
| 2:15 pm | 138 | Charles Hinds | Serum Haptoglobin (HP)-Matrix Metalloproteinase 9 (MMP 9) Complex ELISA as a Marker of Septic Inflammation in Cattle: A Comparison to Hp or MMP 9 ELISA |
| 2:30 pm | 139 | Manuel Chamorro | Experimental Evaluation of Transmission of Bovine Viral Diarrhea Virus (BVDV) by Horn Flies |
| 2:45 pm | 140 | Katharyn Mitchell | Parelaphostrongylus tenuis Infection as a Cause of Meningiomyelitis in 5 Limousin Calves |
| 3:00 pm | 141 | Davin Ringen | Utility of Pre-Partum Parameters for Predicting Intramammary Infection at Calving in First Calf Heifers on a Grazing Dairy |
| 3:15 pm | 142 | Andrea Finnen | Comparison of Computed Tomography and Routine Radiography of the Tympanic Bullae in the Diagnosis of Otitis Media in the Calf |
| 3:30 pm | 143 | Jennifer Johnson-Neitman | Computed Tomography and Magnetic Resonance Imaging of the Normal Calf Brain |
| 3:45 pm | 144 | Julie-Hélène Fairbrother | Escherichia coli is Associated With Persistent Mammary Infection in Canadian Dairy Cows |
| BREAK | | | |
| 4:30 pm | 145 | Jérôme Leemans | Impact of Age and Breed on Incidence of Clinical Signs After Natural Infection With Bluetongue Virus Serotype 8 in Sheep |
| 4:45 pm | 146 | Brandy Burgess | Methicillin Resistant <i>Staphylococcus</i> spp. in Commercial Pigs Used in Veterinary Student Training |
| 5:00 pm | 147 | Elizabeth Dore | Risk Factors Associated With Transmission of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP) to Calves Within a Dairy Herd: A Systematic Review |
| 5:15 pm | 148 | David Van Metre | Breeding Soundness Examination in Western Range Rams: 12,716 Cases (2000-2007) |
| 5:30 pm | 149 | Jonathan Naylor | Inaccurate Rectal Temperature Measurement With Digital Thermometers: Causes and Solutions |
| 5:45 pm | 150 | Timothy Potter | Integration of Pharmacokinetic and Pharmacodynamic Data for Florfenicol in Calves |
| 6:00 pm | 151 | Sherry Cox | Pharmacokinetics of Intravenous and Intramuscular Tramadol in Llamas |

ORAL PRESENTATIONS – FRIDAY, JUNE 11**SMALL ANIMAL – NUTRITION/METABOLISM**

| | | | |
|---------|-----|--------------------|--|
| 8:00 am | 152 | Phill Toll | Effectiveness of Morphometric Measurements for Predicting Body Composition in Overweight and Obese Dogs |
| 8:15 am | 153 | Angela Lusby | Effectiveness of BCS for Estimation of Ideal Body Weight and Energy Requirements in Overweight and Obese Dogs Compared to DXA |
| 8:30 am | 154 | Charlotte Bjornvad | Obesity and Gender Affects Total Adiponection Concentration and Multimer Distribution in Domestic Cats |
| 8:45 am | 155 | John Bauer | Lipid Metabolism and Satiety With Dietary Fiber and Carnitine in Obese Dogs |
| 9:00 am | 156 | Nolan Frantz | Effect of Prescription Diet® Canine J/D™ on Clinical Measures, Cartilage Biomarkers, and Metabolomic Changes in Dogs With Osteoarthritis |
| 9:15 am | 157 | Isuru Gajanayake | Clinical Experience Using a Lipid-Free, Ready-Made Parenteral Nutrition Solution in 70 Cats and Dogs |
| 9:30 am | 158 | Stefanie Handl | Fecal Microbiota and Fecal Calprotectin and S100A12 Concentrations in Lean and Obese Dogs |

SMALL ANIMAL – HEPATOLOGY

| | | | |
|---------|-----|-----------------|--|
| 8:00 am | 159 | Dionne Ferguson | Cycad Intoxication in Dogs: Survival and Prognostic Indicators |
| 8:15 am | 160 | Angela Au | Hepatoprotective Effects of S-Adenosylmethionine and Silybin on Canine Hepatocytes |
| 8:30 am | 161 | Hanna Dyggeve | Evaluation of Promoter Alleles and Exon 2 of DLA-DQB1, -DQA1 and -DRB1 in Dobermans With and Without Hepatitis |
| 8:45 am | 162 | Allison Bradley | Feline Hyperbilirubinemia: A Retrospective Study of 180 Cases |

SMALL ANIMAL – GASTROENTEROLOGY

| | | | |
|---------|-----|---------------------|--|
| 9:00 am | 163 | Sally Bissett | Evaluation of a Human Virtual-Reality Endoscopy Trainer for Teaching Early Endoscopy Skills to Veterinarians |
| 9:15 am | 164 | Anant Radhakrishnan | Comparison of Laparoscopic-Assisted Full Thickness Intestinal Biopsy versus Endoscopic Mucosal Biopsy in Cats: 11 Cases |
| 9:30 am | 165 | Atsushi Tsukamoto | Ultrasonographic Evaluation of Vincristine-Induced Gastric Hypomotility and the Prokinetic Effect of Mosapride Citrate in Dogs |
| 9:45 am | 166 | Stanley Marks | The Influence of Esomeprazole and Cisapride on Gastroesophageal Reflux During Anesthesia in Dogs |
| 2:15 pm | 167 | Olivier Dossin | Plasma Citrulline Concentration is Decreased in Canine Parvovirus Enteritis |
| 2:30 pm | 168 | Julien Dandrieux | Breed Predispositions for Severe Hypocobalaminemia and Relation to Folate Concentration in Dogs With Gastrointestinal Disease |
| 2:45 pm | 169 | Mary Tolbert | Efficacy of Oral Famotidine and Two Omeprazole Formulations for the Control of Intra-gastric pH in Dogs |

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|--------------|-----|------------------|--|
| 3:00 pm | 170 | Alexandra Rosé | Causes, Usefulness of Clinical Investigations and Success of Antiemetic Therapy in Dogs Referred for Vomiting |
| 3:15 pm | 171 | Fiona Tam | Safety and Palatability of Polyethylene Glycol 3350 as an Oral Laxative in Cats |
| 3:30 pm | 172 | Lucie Goodwin | Evaluation of Hypercoagulability Using Thromboelastography (TEG) in Dogs With Protein Losing Enteropathy |
| 3:45 pm | 173 | Dottie Laflamme | Comparison of Two Canned Diets Designed for the Management of Feline Diarrhea |
| <i>BREAK</i> | | | |
| 4:30 pm | 174 | Susanne Kilpinen | Determination of the Dosage Regimen of Tylosin in the Treatment of Canine Tylosin-Responsive Diarrhea |
| 4:45 pm | 175 | Aarti Kathrani | CD11c Positive Dendritic Cells are Significantly Decreased in the Duodenum of Dogs With Inflammatory Bowel Disease |
| 5:00 pm | 176 | Aarti Kathrani | Overdominant Single Nucleotide Polymorphisms in the Nucleotide Oligomerisation Domain Two (NOD2) Gene are Significantly Associated With Canine Inflammatory Bowel Disease |
| 5:15 pm | 177 | Jan Suchodolski | Relationship of Mucosal Gene Expression to Microbiota Composition in Dogs With Inflammatory Bowel Disease |
| 5:30 pm | 178 | Nashwa Waly | Measurement of IL-12 (p40, p35), IL-23p19 and IFN-gamma; mRNA in Duodenal Biopsies of Cats With Inflammatory Bowel Disease and Healthy Controls using Quantitative Reverse Transcriptase Polymerase Chain Reaction (qRT-PCR) |
| 5:45 pm | 179 | Melanie Craven | Mucosal Cytokine Profiling Reveals IL-6 Up-Regulation in Feline IBD and Alimentary Lymphoma |
| 6:00 pm | 180 | Jevan Christie | Fecal Sensitivity as a Tool to Differentiate Between Non-Neoplastic and Neoplastic <i>Spirocerca Lupi</i> Nodules Using a Modified Centrifugal Flotation Method |
