

## POSTER PRESENTATIONS

**On Display:** Thursday, June 4, 7:00 am - 10:00 pm                      Friday, June 5, 7:00 am – 10:00 pm  
Saturday, June 6, 7:00 am – 12:30 pm

**Attended by Author:** Thursday, June 4, 7:00 am – 9:00 am; Friday, June 5, 9:50 am – 10:30 am &  
Friday, June 5, 6:00 pm – 7:30 pm (Wine & Cheese Reception)

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#	Presenting Author	Abstract Title
<b>SMALL ANIMAL – NEUROLOGY</b>		
174	Byeong-Teck Kang	High Resolution Magnetic Resonance Imaging of the Canine Brain at 7 Tesla: A Comparison Study with 0.2 and 1.5 Tesla
175	Alberta de Stefani	Clinical Signs, Magnetic Resonance Imaging Findings and Survival in Dogs with Intracranial Meningiomas and Glial Cell Tumours
<b>176</b>	<b>Michaela Cautela</b>	<b>Oral Hydroxyurea Therapy for Dogs with Suspected Intracranial Meningioma: A Retrospective Cohort Study (2004-2009)</b>
177	Christopher Mariani	Immune Cell Infiltration into Canine Meningiomas
178	Byeong-Teck Kang	Fluorodeoxyglucose Positron Emission Tomography and Magnetic Resonance Imaging Findings of Non-Suppurative Meningoencephalitis in Seven Dogs
179	Arianna Negrin	Steroid Responsive Meningitis-Arteritis Treatment with Three Potential Different Protocols: Clinical Signs, Laboratory and Long Term Follow Up in 48 Dogs
180	Byeong-Teck Kang	Three-dimensional Time-of-Flight MR Angiography of Intracranial Vessels in a Canine Model of Ischemic Stroke with Permanent Middle Cerebral Artery Occlusion
181	Maria Luisa Suarez	Prevalence of Cerebral Microbleeds in Aged Dogs
<b>182</b>	<b>Fred Wininger</b>	<b>Preliminary Observations between Cox-2 Inhibitor Administration and Acute Cerebrovascular Disease in Dogs</b>
183	Renee Barber	Multiplex Analysis of Cytokines in the Cerebrospinal Fluid of Dogs after Stroke
184	N. Matthew Ellinwood	Validation of R&D Systems Kits to Detect Cytokine Levels in Canine Cerebral Spinal Fluid
185	Ronaldo da Costa	Magnetic Resonance Imaging Findings In 60 Dogs with Cervical Spondylomyelopathy
186	Hiroaki Kamishina	Phosphorylated Neurofilament Nf-H as a Biomarker of Spinal Cord Injury in Dogs
187	Natasha Olby	Epidural and Intradural Scarring Post Laminectomy and Durotomy: A Comparison of Gelfoam and SentrX Film
<b>188</b>	<b>Allison Haley</b>	<b>Breed Specific Polymyositis in the Hungarian Vizsla Dog</b>
189	Richard Piercy	Mutational Analysis of Dystrophin-Deficient Muscular Dystrophy in Cavalier King Charles Spaniels
190	Edward (Ned) Patterson	Frequency of the Canine Exercise Induced Collapse Gene in Diverse Breeds
191	Charles Vite	BRDU Labeling Pattern of the Rostral Migratory Stream in Normal Canine and Feline Brains
192	Charles Vite	Intrathecal Enzyme Therapy In Mucopolysaccharidosis I Cats Reduces Storage Throughout The Brain.
193	Ji-hey Lim	Neural Stem Cell Sources in Adult Dogs
194	German Santamarina	Dogs with Cortical Beta-Amyloid Pathology Have Less Serotonergic Neurons in the Rostral Raphe Nuclei than Aged Matched Healthy Controls
<b>SMALL ANIMAL – ONCOLOGY</b>		
195	Clair Oliveira	Evaluation of the Carcinoembryonic (CEA) and Carbohydrate 15-3 (CA 15-3) Antigen in Malignant Mammary Tumors in Bitches
196	Clair Oliveira	Expression of Her-2/Neu Protein in Mammary Tumors of Bitches
197	Silvia Regina Ricci Lucas	Ceruloplasmin Concentrations in Dogs with Multicentric Lymphoma Undergoing Chemotherapy
198	Emily Marcus	Flow Cytometric Prognostic Factors in Canine B Cell Lymphoma
199	Genevieve Hammond	Denamarin® for the Prevention of Lomustine (CCNU) Induced Hepatotoxicity in Tumor Bearing Dogs: Interim Analysis
200	Timothy Stein	Effects of Mutant Beta-Catenin on Hepatocyte Growth Homeostasis <i>(VCS Award Winner)</i>

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

Presentation times are subject to change

## SMALL ANIMAL – HEMATOLOGY

- 201 Jacqueline Whittemore Comparison of Complete Blood Count Values for Samples Collected Using Traditional and Micro-sampling Tubes
- 202 Shiguang Yu Aging Associated Changes in Blood Cells of Cats
- 203 Rebecca Haviland Clopidogrel Therapy in Dogs with Immune-mediated Hemolytic Anemia
- 204 Sharon Center Platelet P-Selectin (CD62P) Expression and Platelet-Leukocyte Interactions in Clinically Healthy Dogs with and without Ultralow-Dose Aspirin
- 205 Lisa Shearer Effects of Aspirin and Clopidogrel on Platelet Function in Normal Dogs**
- 206 Reinhard Mischke Influence of rhFVIIa on Haemostatic Variables in Normal and Factor VII Deficient Dogs

## SMALL ANIMAL – CARDIOLOGY

- 207 Rebecca Manley Exercise-Associated Heart Rate Recovery Time in Normal Dogs
- 208 Elise Mercier Influence of Age on Pulmonary Arterial Pressure in Healthy Beagle Dogs: Analysis by Right Ventricular Catheterization, Pulsed Doppler Echocardiography and Pulsed Doppler Tissue Imaging
- 209 Beate Egner Evaluation of HDO<sup>®</sup> (High Definition Oscillometry) - A New NIBP Technique - In Comparison to Invasive Measurement (HSE - Hydro Sachs Electronics) in Anesthetised Dogs
- 210 Yasutomo Hori Action Duration-Related Diuretic Effects and Renin-Angiotensin-Aldosterone System in Healthy Dogs with a Furosemide
- 211 Yasutomo Hori Changes in the Plasma ANP and NT-proBNP Concentrations in Healthy Dogs with an Acute Volume Overload
- 212 Alora Carrier Analytical Validation of a Commercially Available Feline N-Terminal Prohormone Brain Natriuretic Peptide ELISA
- 213 Katie Cyr Measurement of Canine B-Type Natriuretic Peptide Using a Human Analyzer
- 214 Kristine Yee Intraday Variation In Feline N-Terminal Prohormone Brain Natriuretic Peptide Concentration**
- 215 Nobuyuki Kanno Plasma Adrenomedullin as a Biomarker for Severity of Pulmonary Hypertension in Dogs
- 216 Maria Helena Matiko Pulsed Tissue Doppler Evaluation in Dogs with Idiopathic Dilated Cardiomyopathy
- Akao Larsson
- 217 Maria Helena Matiko Evaluation of Left Ventricular Systolic and Diastolic Function Using Pulsed Tissue Doppler in Dogs with Chronic Mitral Valve Insufficiency
- Akao Larsson
- 218 Miki Nishida Pathological Findings in Dogs with Mitral Valve Insufficiency: Biopsies during Open Heart Surgery with Cardiopulmonary Bypass
- 219 Miki Nishida Long-Term Survival of Two Dogs after Mitral Valve Plasty using Expanded Polytetrafluoroethylene Chords: Pathological Study
- 220 Miki Nishida Mitral Valve Plasty in 11 Cavalier King Charles Spaniels
- 221 Takeshi Mizuno Intra- and Post-Operative Complications in 47 Dogs that Underwent Mitral Valve Plasty
- 222 Takeshi Mizuno Efficacy of Methylprednisolone Therapy for Inflammation after Cardiac Surgery
- 223 Megumi Fujiwara Recovery of Atrial Fibrillation in Three Dogs after Mitral Annuloplasty Under Cardiopulmonary Bypass for Severe Mitral Regurgitation
- 224 Yoko Fujii LV 2D Strain Analysis Pre- and Post- Balloon Valvuloplasty in Dogs with Pulmonary Stenosis
- 225 Yoshinori Nishijima Effects of Bisoprolol on Ventricular Myocyte Electrophysiology During Chronic Heart Failure
- 226 Megan Rector Heart Rate in Irish Wolfhounds with Lone Atrial Fibrillation & Assessment of Digoxin as Sole Method of Rate Control
- 227 Jonathan Abbott Prevalence of the Myosin-Binding Protein C Mutation in Apparently Healthy Cats of Diverse Lineage
- 228 Ann-Sabin Berli The Use of Strain, Strain Rate, and Displacement by 2D Speckle Tracking for Assessment of Systolic Left Ventricular Function in Goats: Applicability and Influence of General Anesthesia

## SMALL ANIMAL – RESPIRATORY

- 229 Miquel Laporta Barometric Whole-Body Plethysmography Reference Values in Different Age-Range Cats with Natural Bronchial Disease
- 230 Yan-Ann Jhuo Clinical Application of Barometric Whole-Body Plethysmography and Bronchoprovocation Test in Feline Bronchial Disease
- 231 Michelle Patrick The Quality of Canine Bronchoalveolar Lavage Fluid Cytology is Preserved for Up to 72 Hours with or without Autologous Serum**

- 232 Stephanie Pumphrey Clinical and Laboratory Characteristics of 35 Dogs with Pulmonary Thromboembolism (2002-2008)
- 233 M Josefa Fernandez Del Palacio Comparative Study of the Tolerance and Efficiency of Four Different Techniques for Nebulisation Delivery in cats
- 234 Carol Reinero Utility of Tepoxalin, a Dual Lipoxygenase and Cyclooxygenase Inhibitor, in Canine Chronic and/or Eosinophilic Bronchitis
- 235 Eric de Madron Treatment of Tracheal Collapse with Vet-Stents® in 36 Dogs: Complications and Long-Term Results

#### **SMALL ANIMAL – ENDOCRINOLOGY**

- 236 Melania Osto Subacute Endotoxemia Temporarily Impairs Insulin Sensitivity and  $\beta$ -cell Function in Cats
- 237 Johanna Rieder Comparison of Wireless and Conventional Continuous Glucose Monitoring Systems (CGMS) in 4 Dogs
- 238 Richard Nelson Extended Use of Protamine Zinc Recombinant Insulin for Treating Diabetes Mellitus in Cats
- 239 Pascale Smets Urinary Markers and Plasma Iohexol Clearance in Healthy Dogs and Dogs with Pituitary-Dependent Hyperadrenocorticism
- 240 Kellie Fecteau Effect of Phytoestrogens and Melatonin on Adrenal Steroidogenesis Using Human Adrenal Cells as a Model for Canine Hyperadrenocorticism
- 241 Linda Martin Effects of Low Doses of Cosyntropin on Cortisol Concentrations in Clinically Healthy Cats
- 242 Linda Martin Dose Response of Aldosterone to ACTH Stimulation in Clinically Healthy Cats
- 243 Bronwyn Rutland** **Determination of the Optimal Time for Testing Thyroid Hormones During Treatment with Methimazole in Healthy and Hyperthyroid Cats**
- 244 Kate Hill The Efficacy and Safety of a Novel Lipophilic Formulation Methimazole for the Once Daily Transdermal Treatment of Cats with Hyperthyroidism

#### **SMALL ANIMAL – GASTROENTEROLOGY**

- 245 Jan Suchodolski The Effect of a Multi-Strain Probiotic Formulation on Markers of Gastrointestinal Function in Healthy Dogs and Cats
- 246 Debbie Minikhiem Effect of *Bifidobacterium animalis* AHC7 on Resolution of Acute Diarrhea in the Canine
- 247 Jose F Garcia Evaluation of Intra-Stool Variability of Three Lactic Acid Bacterial Genera in Dogs by Quantitative Real-Time PCR
- 248 Jodi Nicklas** **Molecular and Histopathological Characterization of Enteroadherent Bacteria in Failure to Thrive Kittens**
- 249 Melanie Craven Absence of a Bacterial Association in Yorkshire Terriers with Protein-Losing Enteropathy and Cystic Intestinal Crypts
- 250 Panagiotis Xenoulis Serum fPLI and Spec fPL Concentrations in Cats with Experimentally Induced Chronic Renal Failure
- 251 Brier Bostrom** **Immunohistochemical Characterization of Canine Pancreata with Lymphocytic Infiltration**
- 252 Romy Heilmann Purification and Partial Characterization of Canine S100A12
- 253 Niels Gruetzner Association Study of Single Nucleotide Polymorphisms with Cobalamin Deficiency in the Chinese Shar Pei
- 254 Albert Jergens Apoptosis in the Pathogenesis and Treatment of Canine Inflammatory Bowel Disease
- 255 Isabelle Ruhnke Feasibility of a Modified Ussing Air Suction Chamber for the Evaluation of Intestinal Mucosal Function in Endoscopic Biopsies from Dogs and Cats
- 256 Allison Bradley Comparison of Gastrointestinal Motility in Dogs Treated with Iberogast™ and Ondansetron using the Smartpill™
- 257 Bettina Mayer-Roenne** **Successful Treatment of Benign Esophageal Strictures with Balloon Dilation and Submucosal Triamcinolone Injection in Five Dogs and One Cat**
- 258 Adam Ginman** **Small Animal Gastrointestinal Endoscopy: A Computer-Aided Instructional Program**

### SMALL ANIMAL – HEPATOLOGY

- 259 Kensuke Nakamura Usefulness of Contrast-Enhanced Ultrasonography for Characterization of Focal Liver Lesions
- 260 **Andrea Johnston** **Hepatic Copper Concentrations in Labrador Retrievers with and without Chronic Hepatitis (1980-2008): An Emerging Syndrome or Oversupplementation?**
- 261 Angela Au Reduction of Cytokine-Induced Prostaglandin E2 and Chemokine Production in Cultured Canine Hepatocytes by Natural Products
- 262 Melinda Camus Serum Protein Electrophoresis Beta-Gamma Bridging is a Poor Predictor for Hepatic Disease

### SMALL ANIMAL – NEPHROLOGY/UROLOGY

- 263 **Kevin Byl** **In Vitro Comparison of Plain Radiography, Double Contrast Cystography, Ultrasonography, and Computed Tomography for Measuring Urocystolith Size Using a Bladder Phantom**
- 264 Ben Young Influence of Food Consumption on Variation of Urinary Volume, pH, Analytes, and Relative Supersaturation for Calcium Oxalate and Struvite in Healthy Adult Male Hound Dogs
- 265 Bernhard Gerber Alpha 1-Acid Glycoprotein, Serum Amyloid A, and Monoocyte Chemoattractant Protein-1 in Cats with Idiopathic Cystitis
- 266 Ryan Keegan Oxidative Stress in Cats with Chronic Renal Failure
- 267 Marcia Kogika Erythrocyte Zinc Protoporphyrin Evaluation in Cats with Chronic Renal Disease
- 268 Christiane Prosser Sequential Evaluation of Erythrocyte Zinc Protoporphyrin in Cats with Chronic Renal Disease
- 269 Shigeki Yamano Endogenous Erythropoietin Levels and Iron Utility in Cats with Chronic Kidney Disease
- 270 Natalie Finch Is Cadmium Exposure Associated with Chronic Kidney Disease in Cats?
- 271 Jerome Seguela Glomerular Filtration Rate in Healthy English Pointer, English Setter and German Shepherd Dogs
- 272 David Grant 24-Hour Water Consumption in Healthy Cats using a Fountain versus a Bowl
- 273 Courtney North Clinical and Genetic Characterization of a Congenital Entlebucher Mountain Dog Urinary Tract Syndrome
- 274 Mary Nabity Proteomic Analysis of Urine from Male Dogs in Early Stages of Progressive Tubulointerstitial Injury Due to X-linked Hereditary Nephropathy (XLHN)

### SMALL ANIMAL – NUTRITION/METABOLISM

- 275 Nolan Frantz Metabolomic Profiling of Plasma in Arthritic vs Non-Arthritic Dogs
- 276 Nolan Frantz Metabolomic Profiling of Plasma in Arthritis vs Non-Arthritic Cats
- 277 Ryan Yamka Metabolomic Profiling of Plasma in Lean vs Obese Dogs
- 278 Yuka Mitsuhashi Determination of Maintenance Energy Requirement of Cats after Spaying
- 279 Márcia Jericó Assessment of Metabolic Syndrome Occurrence in Obese Client-Owned Dogs
- 280 Amy Chamberlin A Vegetarian Dietary Oil Source of  $\gamma$ -linolenic Acid Results in Arachidonic Acid Accumulation in Feline Uterine Tissues: Evidence of Delta-5 Desaturation
- 281 Ji-Houn Kang Effect of Parenteral L-alanyl-L-glutamine Supplementation on Phagocytic Responses of Canine Peripheral Blood Polymorphonuclear Neutrophilic Leukocytes Exposed to Methylprednisolone Sodium Succinate

### SMALL ANIMAL – PHARMACOLOGY

- 282 **Jessica Quimby** **The Pharmacokinetics of Mirtazapine in Healthy Cats**
- 283 Robin Butchin Bioavailability of a Novel, Bioenhanced Preparation of Curcumin in Dogs
- 284 Meaghan Whealen Bioavailability of a Novel Formulation of S-Adenosylmethionine in Beagle Dogs
- 285 Steven Budsberg In vivo Effects of Firocoxib, Meloxicam and Tepoxalin Administration on Eicosanoid Production in Target Tissues of Normal Cats

### SMALL ANIMAL – INFECTIOUS DISEASE

- 286 Elise Gingrich Intestinal Parasites of Dogs on the Galapagos Islands
- 287 Merle Olson Canadian Prevalence and Diagnosis of Giardia Infection in Dogs and Cats using a Fecal Antigen Test and Fecal Smear
- 288 Sahatchai Tangtrongsup Prevalence and Molecular Analysis of *Giardia* spp. Infections in Dogs in Chiang Mai, Thailand: Preliminary Findings
- 289 Nipattra Debavalay Serotypes and Pathogenicity Associated with Antimicrobial-Induced Resistance in Fecal *Escherichia coli* of Healthy Dogs

290	Julia Veir	Comparison of Quantitative PCR and Conventional Endpoint PCR for Amplification of Parvovirus DNA in Blood from Naturally Infected and Recently Vaccinated Dogs
<b>291</b>	<b>E. Freya Kruger</b>	<b>The Epidemiology of <i>Streptococcus canis</i> Infections in Dogs and Cats</b>
292	Jean-Pierre Pages	Bacterial and Fungal Colonization of Peripheral Intravenous Catheters in Dogs and Cats
293	Mary Marcondes	Determination of Four IgG Subclasses in Asymptomatic Dogs with Visceral Leishmaniasis and in Animals Vaccinated Against the Disease
294	Regis KraH	Performance Evaluation of Species-Specific Peptide-Based Assays for Detection of Canine Antibodies to <i>E. canis</i> and <i>E. chaffeensis</i>
295	Ramaswamy Chandrashekar	<i>Ehrlichia/Anaplasma</i> spp. Infection and Exposure Rates in Dogs from Oklahoma and Arkansas
296	Pedro Paulo Diniz	Efficacy of Doxycycline Treatment in Dogs Naturally Infected with <i>Anaplasma phagocytophilum</i>
297	Audra Fenimore	<i>Bartonella</i> spp. Associated Endocarditis in Dogs in Colorado and Wyoming
<b>298</b>	<b>Jeanne Ficociello</b>	<b>Detection of <i>Bartonella henselae</i> IgM in Cats with Experimentally Induced Bartonellosis</b>
299	James Eucher	Prevalence of <i>Bartonella</i> and Haemoplasma DNA in Samples from Non-Owned Free-Roaming Cats Admitted to Animal Shelters in Colorado and Florida
300	Christian Leutenegger	Association of Pathogenicity and Rate of Coinfection of Three Feline Hemotropic Mycoplasma Strains with Presence and Severity of Anemia
301	Christian Leutenegger	Analytical Sensitivity and Specificity of a Real-Time PCR Assay Detecting Pathogenic Leptospira in Dogs Based on the hap-1 Gene
302	Kristy Dowers	Prevalence of Infectious Agents and Anti-Erythrocyte Antibodies in Cats with Anemia
303	Michael Lappin	<i>Bartonella henselae</i> Antigen Recognition Patterns in the Serum and Aqueous Humor of Cats with and without Uveitis
304	Michael Lappin	Effect of Orbifloxacin or Doxycycline Administration on <i>Bartonella</i> spp. and Hemoplasma Test Results from Naturally-Exposed Cats
305		Abstract Withdrawn
306	Jacqueline Whittemore	Alpha Enolase and Annexin A2 Antibodies in Cats
307	Kristopher Curtis	Prevalence of Feline Immunodeficiency Virus Antibody and Feline Leukemia Virus Antigen in Samples Submitted to IDEXX Reference Laboratories for Feline Hemotropic Mycoplasma Testing
308	Yasuyuki Endo	An Updated Epidemiological Survey of Feline Immunodeficiency Virus Infection in Japan
309	Mitika Hagiwara	Evaluation of CD4+ and CD8+ T Lymphocytes in Cats Naturally Infected with Feline Leukemia Virus
310	Archivaldo Reche Junior	Cutaneous Mycoflora and CD4+:CD8+ Ratio of Cats Infected with Feline Immunodeficiency Virus
311	Archivaldo Reche Junior	Prevalence of Feline Calicivirus and Herpesvirus Type 1 in Maine Coon Cats with Chronic Gingivitis

#### **SMALL ANIMAL – OTHER**

312	Sara Zaldivar-Lopez	Disease Prevalence and Causes of Death in American Kennel Club Registered Greyhounds
313	Paulo Vilar Saavedra	Thromboelastographic Changes after Gonadectomy in Retired Racing Greyhounds

#### **FOOD ANIMAL – IMMUNOLOGY**

314	Daniela Bedenice	Immunological Responses in Persistently BVDV Infected Alpacas
315	Claire Whitehead	Humoral Response to Bluetongue Vaccination in Alpacas

#### **FOOD ANIMAL – INFECTIOUS DISEASE**

<b>316</b>	<b>Marcio Costa</b>	<b>Incidence of <i>Clostridium difficile</i> in Feces of Male Holstein Veal Calves</b>
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#### **FOOD ANIMAL – OTHER**

<b>317</b>	<b>Jennifer Sonis</b>	<b>Prairie Rattlesnake Envenomation in 25 New World Camelids</b>
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#### **EQUINE – CARDIOLOGY**

318	Marc Kraus	Concentrations of Cardiac Troponin I Measured with an I-Stat <sup>®</sup> I Analyzer in Normal Horses Undergoing a Standard Treadmill Performance Examination
319	Rose Nolen-Walston	The Effects of Dehydration on Central Venous Pressure in Adult Horses
<b>320</b>	<b>Joan Norton</b>	<b>Comparison of Water Manometry to Two Electronic Pressure Monitors for Central Venous Pressure Measurement in Horses</b>

- 321        **Joan Norton**                                **Repeatability and Effect of Head Position on Central Venous Pressure Measurement in Standing Adult Horses**
- 322        Olga Seco    Cardiac Troponin I Concentrations in Horses Referred for Colic
- EQUINE – ENDOCRINOLOGY**
- 323        **Rosa Barsnick**                                **Association of Growth Hormone and Ghrelin with the Energy Metabolism and Mortality in Septic Foals**
- 324        **Rebecca Funk**                                **Seasonal Changes in Plasma Alpha-Melanocyte-Stimulating Hormone and Adrenocorticotrophic Hormone in Response to Thyrotropin-Releasing Hormone Administration in Normal Aged Horses**
- 325        John Haffner    Effect of Insulin Infusion into the Digital Artery on Glucose Concentrations in the Digital Vein in Healthy Horses
- 326        Johan Brojer    Validation of a Species Specific Enzyme-Linked Immunosorbent Assay for Measurement of Serum Insulin in Horses
- 327        Harold Schott II    Hyperinsulinemia in Horses with Pituitary Pars Intermedia Dysfunction and Effects of Housing on Insulin Response During a Glucose Tolerance Test
- EQUINE – HEMATOLOGY**
- 328        Susana Macieira    Characterization of the cDNA Sequence Encoding for the Platelet Integrin AlphaIIb and Beta3 in a Horse with Glanzmann thrombastenia
- 329        **Maeva May**    **Comparison of Hematologic and Biochemical Values Obtained Via Intravenous Catheter Versus Venipuncture in Hospitalized Horses**
- EQUINE – IMMUNOLOGY**
- 330        Jennifer Day    Effects of Lipopolysaccharide, Lipoteichoic Acid, and Peptidoglycan on Tumor Necrosis Factor Production in Equine Whole Blood Culture
- 331        Britta Leise    Laminar Inflammatory Gene Expression in the Carbohydrate Overload Model of Equine Laminitis
- 332        Brett Sponseller    IL-10 Downregulates Production of Peroxynitrite in Equine Monocyte-Derived Macrophages: Implications for Rhodococcal Infection
- 333        Jarred Williams    Effect of Intravenous Lidocaine Administration on Leukocyte Emigration in the Black Walnut Extract Model of Laminitis
- EQUINE – INFECTIOUS DISEASE**
- 334        Stephanie Bell    The Immune Response of Foals to Natural Infection with Equid Herpesvirus-2 and its Association with Febrile Illness
- 335        Emir Hodzic    Use of Quantitative Real-Time PCR for the Detection of *Salmonella* Sp. in Fecal Samples of Horses Admitted to a Veterinary Medical Teaching Hospital
- 336        Alma Roy    Comparison of PCR Testing for Management of an Outbreak of EHVI at a Racetrack
- 337        **Katharyn Mitchell**    **Salmonella Oranienburg in a Large Animal Veterinary Teaching Hospital**
- EQUINE – NEPHROLOGY/UROLOGY**
- 338        Harold Schott II    Paradoxical Aciduria in Horses: 37 cases (2000-2008)
- EQUINE – NEUROLOGY**
- 339        Cristina Sogaro-Robinson    Diagnostic Utility of Computed Tomography of the Head in Horses Affected by Neurologic Disorders
- EQUINE – NUTRITION/METABOLISM**
- 340        Anna Firshman    The Effect of Metformin on Insulin Sensitivity in Horses
- 341        David Lewis    The Positive Interaction of Propionate, Insulin, and Cortisol in the Horse
- 342        Jessica Suagee    Acute Hyperinsulinemia Modulates Expression of Genes Involved in Glucose and Fat Metabolism in Subcutaneous Adipose Tissue of Horses
- 343        Kibby Treiber    Insulin Sensitivity in Ponies is Influenced by Season and Pasture
- EQUINE – OTHER**
- 344        James Belknap    Mononuclear Leukocytes in the Laminae of Normal Horses and Those with Black Walnut Extract-Induced Laminitis
- 345           Abstract Withdrawn
- 346        Lee Ann Fugler    Evaluation of Various Matrix Metalloproteinase Inhibitors (MMPis) in the Horse
- 347        **Cristobal Navas de Solis**    **Ultrasonographic Measurement of Spleen Volume in Horses**

**EQUINE – PHARMACOLOGY**

- 348 Grace Forbes Effects of Flunixin Meglumine on Leukocyte Activation in a Low-dose Endotoxemia Model in Horses
- 349 Jennifer Davis The Pharmacokinetics of Intravenous and Intramuscular Buprenorphine in the Horse
- 350 Cynthia North Bioavailability of Detomidine Administered to Horses as an Oromucosal (Sublingual) Gel and Comparison of Absorption of Detomidine by the Sublingual and Intramuscular Routes
- 351 Elizabeth Davis Pharmacokinetics of Orally Administered Terbinafine in Horses
- 352 Jessica Thompson Assessment of Cardiac Function, Skeletal Muscle Morphology, and Muscle Enzymes in Horses on Long-Term Clenbuterol Therapy**
- 353 Dorothy Welchel Effects of Clopidogrel on Platelet Function in the Horse**

**EQUINE – RESPIRATORY**

- 354 Renaud Leguillette Upper and Lower Airway Endoscopic Findings and Bronchoalveolar Lavage-Induced Lower Airway Collapse in Equine Respiratory Inflammatory Diseases