Sunday, October 31, 2010
8:00 a.m.-12:00 p.m.
Diagnostic Pathology Focused Scientific Session
(Vet. Path. Abstracts 46-108)

Chair: Gayle C. Johnson
Committee Members: Christiane Loehr (Co-chair), Barbara Lewis, Lois Roth-Johnson, (Past Chair), and Francisco Uzal

Platform Presentations

8:00 a.m. - 8:10 a.m.
Introductory Remarks

8:10 a.m. - 8:20 a.m.
HISTOLOGIC CHARACTERIZATION OF CLOSTRIDIUM PERFRINGENS A-INDUCED CANINE HEMORRHAGIC GASTROENTERITIS
J.M. Novak*, T.D. Cha p.m.an¹, J.D. Moore², J. Saputo², F.A. Uzal², and L.E. Craig¹
¹University of Tennessee College of Veterinary Medicine Department of Pathobiology, Knoxville TN and ²California Animal Health and Food Safety Laboratory University of California, Davis San Bernardino, CA
Keyword: Alimentary, Abstract Number 46

8:20 a.m. - 8:30 a.m.
RESPIRATORY DISEASE IN FERRETS (MUSTELA PUTORIUS FURO) ASSOCIATED WITH AN UNKOWN MYCOPLASMA
D. Desjardins *¹, C.A. Johnson-Delaney², A. Lim¹, C. Bolin¹, S. Bolin¹, M.M. Garner³, and M. Kiupel¹
¹Diagnostic Center for Population and Animal Health, Michigan State University, Lansing, MI, ²Eastside Avian and Exotic Animal Medical Center, Kirkland, WA, and ³Northwest ZooPath, Monroe, WA
Keyword: Ferret, Abstract Number 47

8:30 a.m. - 8:40 a.m.
IDIOPATHIC PULMONARY FIBROSIS WITH CONCURRENT HISTOPLASMOSIS IN A DOMESTIC SHORHAIR CAT (FELIS CATUS)
C.B. Myers *¹, K.A. Almes¹, G.A. Andrews¹, T. Schermerhorn², and N. Smee²
¹Kansas State Veterinary Diagnostic Laboratory and ²Veterinary Teaching Hospital, College of Veterinary Medicine, Kansas State University, Manhattan, KS
Keyword: Respiratory System, Abstract Number 48

8:40 a.m. - 8:50 a.m.
HISTOPATHOLOGIC AND IMMUNOHISTOCHEMISTRY INVESTIGATION OF HYPOPITUITARISM IN A 2-WEEK-OLD PORTUGUESE WATER DOG
A. Gal*, L.T. Raetzman and K. Singh
Department of Pathobiology and Department of Molecular and Integrative Physiology, University of Illinois, Urbana, IL
Keyword: Endocrine, Abstract Number 49

8:50 a.m. - 9:00 a.m.
LYCOPERDONOSIS IN TWO DOGS
T. Alenghat*1, C.A. Pillitteri2, D.A. Bemis2, L. Kellett-Gregory1, K.V. Jackson1, S. A. Kania2, R.L. Donnell2, and T. Van Winkle1
1Department of Pathobiology and Department of Clinical Studies, University of Pennsylvania School of Veterinary Medicine, Philadelphia, PA and 2Department of Pathobiology and Department of Comparative Medicine, University of Tennessee College of Veterinary Medicine, Knoxville, TN
Keyword: Respiratory System, Abstract Number 50

9:00 a.m. - 9:10 a.m.
ASSESSING INFORMATIONAL COMPLETENESS IN BIOPSY SUBMISSION FORMS
E.M. Brannick *^1 and P.C. Stromberg
Department of Veterinary Biosciences, The Ohio State University, Columbus, OH
Keyword: General Topic, Abstract Number 51

9:10 a.m. - 9:20 a.m.
SIV INFECTION AUGMENTS IMMUNE CELL INFILTRATION IN A MODEL OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD)
S.K. Shanmukhappa*^, L. Wachtman, D. Xia, A. Hachey and K.G. Mansfield
Divisions of Comparative Medicine and Pathology, New England Primate Research Center. Southborough, MA
Keyword: Liver and Pancreas, Abstract Number 52

9:20 a.m. - 9:30 a.m.
CEREBRAL PHAEOHYPHOMYCOSIS DUE TO CLADOPIHALOPHORA BANTIANA IN A HUACAYA ALPACA (VICUGNA PACOS)
C.B. Frank*^, R. Vemulapalli, and T.L. Lin
Animal Disease Diagnostic Laboratory and Department of Comparative Pathobiology, Purdue University, West Lafayette, IN
Keyword: Nervous System, Abstract Number 53

9:30 a.m. - 9:40 a.m.
AN ATYPICAL BOVINE PAPULAR STOMATITIS VIRUS INFECTION OF THE DISTAL LIMBS IN AN ABERDEEN-ANGUS BULL
W.P. Sims*1, J. Mansell1, G. Delhon2 and J. Edwards1
9:40 a.m. – 9:50 a.m.
PATHOLOGY OF CLONED CALVES: A REPORT OF 10 CASES
C.K. Ganta*, B. Bawa¹, B.G. Caserto¹, C.B. Myers¹, B.M. DeBey¹, G.A. Andrews¹, J.N. Nietfeld¹, K.M. Almes¹, D.E. Anderson² and K.S. Janardhan¹
¹Department of Diagnostic Medicine/Pathobiology, Kansas State Veterinary Diagnostic Laboratory and ²Department of Clinical Sciences, College of Veterinary Medicine, Kansas State University, Manhattan, KS
Keyword: None of the Above, Abstract Number 55

9:50 a.m.-10:00 a.m.
LESION DEVELOPMENT AND VIRAL REPLICATION IN EARLY VESICULAR STOMATITIS VIRUS (VSV) INFECTION IN CATTLE INOCULATED VIA SCARIFICATION AND BLACK FLY BITE
J.L. Reis Jr¹, L.L. Rodriguez², D. Mead¹, G. Smoliga², and C.C. Brown¹
¹University of Georgia, Athens, GA and ²Plum Island Animal Disease Center, USDA, Greenport, NY
Keyword: Infectious Disease, Abstract Number 56

2009 AAVLD and ACVP Diagnostic Pathology Travel Award Winner – Dr. Janildo Reis
Sponsored by AAVLD

10:00 a.m. - 10:30 a.m.
REFRESHMENT BREAK - VISIT THE POSTERS AND EXHIBITS!

10:30 a.m. - 10:40 a.m.
GARDEN HOSE SCALDING SYNDROME
E.M. Quist², M. Tanabe², and J.L. Edwards²
¹Texas A&M University, Department of Veterinary Pathobiology, College Station, TX and ²Antech Diagnostics, Irvine, CA
Keyword: Skin, Abstract Number 57

10:40 a.m. - 10:50 a.m.
IMMUNOHISTOCHEMICAL CHARACTERIZATION OF PRIMATE OVARIAN SEX-CORD STROMAL TUMORS
A. Durkes*, C. Juan-Sallés², A. Melián³, M. Garner⁴, and J. Ramos-Vara¹
¹Department of Comparative Pathobiology, Purdue University, West Lafayette, IN, USA, ²Private diagnostic pathologist, Barcelona, Spain, ³Palmitos Park, Gran Canaria, Spain and ⁴Northwest ZooPath, Monroe, WA
Keyword: Neoplasia, Abstract Number 58

10:50 a.m. - 11:00 a.m.
NM23 EXPRESSION CORRELATES WITH SURVIVAL AMONG DOGS WITH MAST CELL TUMORS
J. Weisman†, A.N. Smith, A.E. Church Bird, E.N. Behrend, A. Vossmeier, A. Shely, C.M. Johnson, and E.M. Whitley
Department of Pathobiology, College of Veterinary Medicine, Auburn University, Auburn, AL
Keyword: Neoplasia, Abstract 59

11:00 a.m. - 11:10 a.m.
COMPARISON OF IMMUNOHISTOCHEMICAL EXPRESSION OF FACTOR-VIII-RELATED ANTIGEN, CD34, AND CD31 IN FELINE VASCULAR TUMORS
R.N. Jennings*, M.A. Miller, and J.A. Ramos-Vara
Department of Comparative Pathobiology, Purdue University, West Lafayette, IN
Keyword: Neoplasia, Abstract Number 60

11:10 a.m. - 11:20 a.m.
SPINDLE CELL TUMORS IN SNAKES
S. Gumber†, M. Orandle, N. Wakamatsu, and D.Y. Cho
Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University (LSU), Baton Rouge, LA
Keyword: Neoplasia, Abstract Number 61

11:20 a.m. - 11:30 a.m.
DIFFUSE OLIGODENDROGLIOMATOSIS IN THE SPINAL CORD OF TWO DOGS
R.C. Kovi†, A. Armien†, K. Hall², T. Carlson³, M.J. Oglesbee³ and A. Wünschmann¹
¹Department of Veterinary Population Medicine, Veterinary Diagnostic Laboratory, ²Department of Veterinary Clinical Sciences, University of Minnesota, St. Paul, MN, and ³Department of Veterinary Biosciences, The Ohio State University, Columbus, OH
Keyword: Nervous System, Abstract Number 62

11:30 a.m. - 11:40 a.m.
GLIOMATOSIS CEREBRI WITH HIGH-GRADE OLIGODENDROGLIOMA: SUPPORT FOR TYPE II GLIOMATOSIS CEREBRI WITH NON-ASTROCYTIC ORIGIN IN A DOG
G.N. Burcham†, R.A. Packer², and M.A. Miller¹
Departments of ¹Comparative Pathobiology and ²Veterinary Clinical Sciences, Purdue University, West Lafayette, IN
Keyword: Nervous System, Abstract 63

11:40 a.m. - 11:50 a.m.
ASTROGLIOSIS IN CANINE BRAIN TUMORS
L.T. Reed†, M.A. Miller¹, S.B Hoover², and J.D. Webster²
11:50 a.m. - 12:00 p.m.
HISTOLOGIC, IMMUNOHISTOCHEMICAL AND CLINICAL FEATURES OF MAMMARY GLAND TUMORS IN MALE DOGS (27 TUMORS IN 18 DOGS)
J.J. Bearss^1, F.Y. Schulman^1,3, and D. Carter^2
^1Department of Veterinary Pathology and ^2Department of Gynecologic & Breast Pathology, Armed Forces Institute of Pathology, Washington, DC, and ^3Veterinary Services Division, Marshfield Clinic Laboratories, Marshfield, WI
Keyword: Mammary, Abstract 65

*Competitor for the ACVP Young Investigator Award
^Competitor for Diagnostic Travel Award
Tuesday, November 2, 2010

Diagnostic Pathology Focused Scientific Session
(Vet. Path. Abstracts 46-108)

Chair: Gayle C. Johnson
Committee Members: Barbara Lewis, Christiane Loehr (Co-chair), Lois Roth-Johnson (Past chair), and Francisco Uzal

Platform Presentations:

1:30 p.m. - 1:35 p.m.
Introductory Remarks

1:35 p.m. - 1:50 p.m.
PREVALENCE OF CANINE VON WILLEBRAND DISEASE (VWD) IN DEUTSCH-DRAHTHAAR (DD) / GERMAN WIREHAIRDED POINTER (GWP) IN EUROPE INVESTIGATED BY USING MOLECULAR AND ELISA ASSAYS
A. Gavazza¹, G. Lubas¹, H. Keuper², and M.J. Crespo¹
¹Department of Veterinary Clinic, University of Pisa, Italy and ²DNA-VWD-DATABANK, The Netherlands
Keyword: Hematology, Abstract Number 71

1:50 p.m. - 2:05 p.m.
CHARACTERIZATION OF UPPER RESPIRATORY DISEASE IN CATS: A SHELTER STUDY COMPARING REAL-TIME QUANTITATIVE PCR AND HISTOPATHOLOGY RESULTS
R.E. Burns¹, D. Wagner², C. Leutenegger³, and P.A. Pesavento¹
¹Department of Pathology, Microbiology and Immunology, ²Center for Companion Animal Health, School of Veterinary Medicine, University of California, Davis, CA, and ³IDEXX Laboratories, West Sacramento, CA
Keyword: Respiratory System, Abstract Number 67

2:05 p.m. - 2:20 p.m.
METATARSUS GROWTH CARTILAGE LESIONS IN L AME BEEF CATTLE: PRELIMINARY RESULTS
F. Mutinelli¹, E. Schiavon¹, A. Carminato¹, A. Granato¹, K. Capello¹, F. Rampin¹, M. Morgante², and M. Vascellari¹
¹Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD) and ²School of Veterinary Medicine, University of Padova, Italy
Keyword: Bone and Joint, Abstract Number 68

2:20 p.m. - 2:35 p.m.
LEFT ATRIAL TEAR AS A SEQUEL TO CHRONIC DEGENERATIVE VALVE DISEASE (MYXOMATOUS DEGENERATION) IN DOGS
T.A. Donovan and P.R. Fox  
The Animal Medical Center, New York, NY  
Keyword: Cardiovascular System, Abstract Number 69

2:35 p.m. - 2:50 p.m.  
MUSCULAR DYSTROPHY IN A CAT WITH DYSTROPHIN DEFICIENCY  
G. Remmers¹, D. W. Hayden¹, M. A. Jaeger², J. M. Ervasti², and S. J. Valberg¹.  
¹Department of Veterinary Population Medicine, University of Minnesota and  
²Department of Biochemistry, Molecular Biology, and Biophysics, University of Minnesota, St. Paul, MN  
Keyword: Muscle, Abstract Number 70

2:50 p.m. - 3:05 p.m.  
INTERNAL PAPILLOMATOSIS ASSOCIATED WITH INTESTINAL ADENOCARCINOMA AND CHOLANGIOCELLULAR CARCINOMA IN A BLUE AND GOLD MACAW  
J.M. Bush¹ and N. Opitz²  
¹Department of Environmental and Radiological Health Sciences, Colorado State University, Fort Collins, CO, and ²The Gabriel Foundation, Elizabeth, CO  
Keyword: Avian, Abstract Number 66

3:05 p.m. - 3:30 p.m.  
REFRESHMENT BREAK - VISIT THE POSTERS AND EXHIBITS!

3:30 p.m. - 3:45 p.m.  
IMMUNOHISTOCHEMICAL CHARACTERIZATION OF THE NORMAL CANINE EYE  
P. Labelle¹, C.M. Reilly², D.K. Naydan², and A.L. Labelle³  
¹Antech Diagnostics, Lake Success, NY, ²Department of Pathology, Microbiology and Immunology, University of California-Davis, and ³Department of Veterinary Clinical Medicine, University of Illinois Urbana-Champaign, IL  
Keyword: Eye and Ear, Abstract Number 72

3:45 p.m. - 4:00 p.m.  
IMMUNOHISTOCHEMICAL EXPRESSION OF KIT PROTEIN IN CANINE PLASMACYTOMAS  
P.E. Mackey¹, C.G. Lamm², and G.A. Campbell³  
¹Department of Pathobiology, Center for Veterinary Health Sciences, Oklahoma State University, Stillwater, OK, ²Veterinary Pathological Sciences, University of Glasgow, Glasgow, UK, and ³Oklahoma Animal Disease Diagnostic Laboratory, Oklahoma State University, Stillwater, OK  
Keyword: Neoplasia, Abstract Number 73

4:00 p.m. - 4:15 p.m.  
C-KIT EXPRESSION IN CANINE NON-CUTANEOUS MELANOSARCOMAS  
S.J. Newman¹, A.K. Leblanc², and J.M. Jankovský¹
1Department of Pathobiology and 2Small Animal Clinical Sciences, and
2University of Tennessee Graduate School of Medicine, University of Tennessee,
Knoxville, TN
Keyword: Neoplasia, Abstract Number 74

4:15 p.m. - 4:30 p.m.
CUTANEOUS SARCOIDOSIS IN A DOG
A. Muthuswamy1, C. Schmidt1, A.B. Diesel1, E. Mauldin2, C.A. Radi3 and J.
Henningson1
1School of Veterinary Medicine, University of Wisconsin, Madison, WI, 2School
of Veterinary Medicine, University of Pennsylvania, PA, and 3Wisconsin
Veterinary Diagnostic Laboratory, Madison, WI
Keyword: Skin, Abstract Number 75

4:30 p.m. - 4:45 p.m.
EPIDERMAL GROWTH FACTOR RECEPTOR AND VASCULAR
ENDOTHELIAL GROWTH FACTOR RECEPTOR EXPRESSION IN CANINE
CUTANEOUS SQUAMOUS CELL CARCINOMA
F. Cifuentes1, C. Torres2, E. Castellon1, C. González2, and H. Contreras1
1Instituto de Ciencias Biomedicas, Facultad de Medicina, Universidad de Chile
and 2Escuela de Medicina Veterinaria, Universidad Andres Bello, Santiago, Chile
Keyword: Neoplasia, Abstract Number 76

4:45 p.m. - 5:00 p.m.
DEVELOPMENT OF APPROPRIATE DATA ANALYSIS TECHNIQUES IN
CANINE MICRO-RNA PROFILES
P.M. Krimer1, P. Schliekelman2, S.E. Suter3, S.M. Tompkins4, and E.W. Uhl1
1Department of Pathology, College of Veterinary Medicine, 2Department of
Statistics, 3Department of Infectious Diseases, College of Veterinary Medicine,
The University of Georgia, Athens, GA, and 3NC State College of Veterinary
Medicine Raleigh, NC
Keyword: General Topic, Abstract Number 77

Poster Presentations

P-1
STREPTOCOCCAL INFECTION IN DOGS: A RETROSPECTIVE STUDY OF
393 CASES
C. Lamm1, A. Ferguson2, T. Lehenbauer3, and B. Love2
1Department of Veterinary Pathology, School of Veterinary Medicine, University
of Glasgow, Glasgow, United Kingdom, 2Oklahoma Animal Disease Diagnostic
Laboratory, Oklahoma State University, Stillwater, OK, and 3Veterinary Medicine
Teaching and Research Center, School of Veterinary Medicine, University of
California, Tulare, CA
Keyword: Infectious Disease, Abstract Number 78
P-2*
VETERINARY FORENSIC PATHOLOGY: UTILIZATION OF PAW PRINTS FOR IDENTIFICATION OF ANIMALS IN THE CANIDAE FAMILY
A.W. Stern¹, C.G. Lamm², and G.A. Campbell²
¹Department of Pathobiology, Oklahoma State University, Stillwater, OK and ²Oklahoma Animal Disease Diagnostic Laboratory, Oklahoma State University, Stillwater, OK
Keyword: Infectious Disease, Abstract Number 79

P-3
BABESIA ODOCOILEI INFECTION IN AN ELK
M. Ameri¹, W.I. Anderson², P.J. Holman³, and G.W. Palmer⁴
¹Drug Safety Research and Development, Pfizer Inc., ²Legacy Wyeth Research, Chazy, NY, ³Dept. of Veterinary Pathobiology, Texas A&M University, College Station, TX and ⁴Palmer Veterinary Clinic, Plattsburgh, NY
Keyword: Infectious Disease, Abstract Number 80

P-4
DEVELOPMENT OF A NOVEL DIAGNOSTIC TEST FOR IDENTIFYING BVDV-PI ANIMALS USING PLUCKED HAIRS
K. Singh¹, L.J. Kohrt¹, G. Scherba¹, A. DeFrancisco¹, E.F. Garrett², and R.L. Fredrickson¹
¹Veterinary Diagnostic Laboratory and ²Veterinary Teaching Hospital, University of Illinois, Urbana, IL
Keyword: Infectious Disease, Abstract Number 81

P-5
AMYLOID-PRODUCING ODONTOGENIC TUMORS IN CATS IS FORMED FROM AMELOBLASTIN
M.A. Delaney¹, K. Singh¹, D.P. Kestler², and C.L. Murphy²
¹Veterinary Diagnostic Laboratory, University of Illinois, Urbana, IL, USA and ²Laboratory of Molecular Biology Human Immunology and Cancer Program, Graduate School of Medicine, Knoxville, TN
Keyword: Neoplasia, Abstract Number 82

P-6
MALIGNANT NEUROENDOCRINE TUMOR OF THE NASAL CAVITY IN A GOLDEN RETRIEVER WITH CUTANEOUS METASTASIS AND UNIQUE MYOFIBROBLASTIC DESMOPLASTIC RESPONSE
J. Koehler¹, R. Weiss¹, O. Aubrey², and A. Smith²
¹Department of Pathobiology and ²Department of Clinical Sciences, College of Veterinary Medicine, Auburn University, AL
Keyword: Neoplasia, Abstract Number 83

P-7
VACCINE-ASSOCIATED B-CELL LYMPHOMA IN A CAT
C.W. Schmitt¹, T.O. Johnson¹, and C. McLeod²
¹Department of Veterinary Pathology, Armed Forces Institute of Pathology, Washington DC, and ²Antech Diagnostics, Baltimore, MD
Keyword: None of the Above, Abstract Number 84

P-8*
DISSEMINATED FUNGAL INFECTIONS IN TWO SPECIES OF CAPTIVE SHARKS
D. Marancik, ²A. Berliner, ²J. Cavin, ²T. Clauss, ²A. Dove, and ¹A. Camus
¹University of Georgia College of Veterinary Medicine, Department of Pathology, and ²Georgia Aquarium, Atlanta, GA
Keyword: Wildlife, Abstract Number 85

P-9*^
ASTROGLIOSIS IN CANINE BRAIN TUMORS
L.T. Reed¹,², M.A. Miller¹, S.B. Hoover¹, and J.D. Webster²
¹Animal Disease Diagnostic Laboratory and Department of Comparative Pathobiology, School of Veterinary Medicine, Purdue University, West Lafayette, IN and ²Molecular Pathology Unit, National Cancer Institute, National Institutes of Health, Bethesda, MD
Keyword: Neoplasia, Abstract Number 64

P-10
CONGENITAL CEREBRAL VASCULAR PAPILARY HAMARTOMA AND POLICYSTOSIS IN A THOROUGHBRED FOAL
V. Bermúdez, J. Aurrecoechea, R. Coronado; O. Latouche; F. Garcia, and A. Morales
Department of Veterinary Pathology, Faculty of Veterinary Science, Central University of Venezuela, Aragua State, Venezuela
Keyword: Nervous System, Abstract Number 86

P-11*
PROLIFERATIVE ENTEROPATHY IN A THOROUGHBRED HORSE OF VENEZUELA: A REPORT OF CASE
A. Morales¹, R. Coronado¹, O. Latouche¹, L. Leal², F. García¹, M. Rossini¹, M. Morales³, and F. Morales²
¹Department of Veterinary Pathology, Faculty of Veterinary Science, Central University of Venezuela, Aragua State, Venezuela, ²National Racetrack “La Rinconada” Caracas, Venezuela, and ³Institute of Hematology and Oncology, Central University of Venezuela, Aragua State, Venezuela
Keyword: Infectious Disease, Abstract Number 87

P-12*^A
ASSESSING INFORMATIONAL COMPLETENESS IN BIOPSY SUBMISSION FORMS
E.M. Brannick and P.C. Stromberg
P-13**^
COMPARISON OF IMMUNOHISTOCHEMICAL EXPRESSION OF FACTOR-VIII-RELATED ANTIGEN, CD34, AND CD31 IN FELINE VASCULAR TUMORS
R.N. Jennings, M.A. Miller, and J.A. Ramos-Vara
Department of Comparative Pathobiology, Purdue University, West Lafayette, IN
Keyword: Neoplasia, Abstract Number 60

P-14**^
HISTOLOGIC CHARACTERIZATION OF CLOSTRIDIUM PERFRINGENS A-INDUCED CANINE HEMORRHAGIC GASTROENTERITIS
J.M. Novak¹, T.D. Chapman¹, J.D. Moore², J. Saputo², F.A. Uzar², and L.E. Craig¹
¹University of Tennessee College of Veterinary Medicine Department of Pathobiology, Knoxville TN and ²California Animal Health and Food Safety Laboratory, University of California, Davis, San Bernardino, CA
Keyword: Alimentary System, Abstract Number 46

P-15*
RESPIRATORY DISEASE IN FERRETS (MUSTELA PUTORIUS FURO) ASSOCIATED WITH AN UNKOWN MYCOPLASMA
D. Desjardins¹, C.A. Johnson-Delaney², A. Lim¹, C. Bolin¹, S. Bolin¹, M.M. Garner³, and M. Kiupel¹
¹Diagnostic Center for Population and Animal Health, Michigan State University, Lansing, MI, ²Eastside Avian and Exotic Animal Medical Center, Kirkland, WA, and ³Northwest ZooPath, Monroe, WA
Keyword: Ferret, Abstract Number 47

P-16*
LYCOPERDONOSIS IN TWO DOGS
T. Alenghat¹, C.A. Pillitteri², D.A. Bemis², L. Kellett-Gregory¹, K.V. Jackson¹, S. A. Kania², R.L. Donnell², and T. Van Winkle¹
¹Department of Pathobiology and Department of Clinical Studies, University of Pennsylvania School of Veterinary Medicine, Philadelphia, PA and ²Department of Pathobiology and Department of Comparative Medicine, University of Tennessee College of Veterinary Medicine, Knoxville, TN
Keyword: Respiratory System, Abstract Number 50

P-17**^
SIV INFECTION AUGMENTS IMMUNE CELL INFILTRATION IN A MODEL OF NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD)
S.K. Shanmukhappa, L. Wachtman, D. Xia, A. Hachey and K.G. Mansfield
Division of Comparative Medicine and Pathology, New England Primate Research Center, Southborough, MA
Keyword: Liver/Pancreas, Abstract Number 52

P-18**
SPINDLE CELL TUMORS IN SNAKES
S. Gumber, M. Orandle, N. Wakamatsu, and D.Y. Cho
Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University (LSU), Baton Rouge, LA
Keyword: Neoplasia, Abstract Number 61

P-19*
HEPATIC ENCEPHALOPATHY ASSOCIATED WITH HEPATIC LIPIDOSIS IN LLAMAS
C.A. Pillitteri and L.E. Craig
The University of Tennessee College of Veterinary Medicine, Department of Pathobiology, Knoxville, TN
Keyword: Nervous System, Abstract Number 88

P-20*
AN ANALYSIS OF MAST CELL DENSITY IN CANINE CUTANEOUS HEMANGIOMAS AND HEMANGIOSARCOMAS
K. Barber, K. Newkirk, and R. Donnell
Department of Pathobiology, University of Tennessee College of Veterinary Medicine, Knoxville, TN
Keyword: Neoplasia, Abstract Number 89

P-21
PREVALENCE OF PULMONARY PNEUMOCYSTIS CARINII INFECTION IN PIGS IN JEJU
K.-S. Kim¹, J.-Y. Jung¹, S.-C. Kang¹, J.-H. Kim¹, E.-K. Hwang², B.-K. Park³, B.-R. Lee³, D.-Y. Kim³, and J.-H. Kim¹
¹College of Veterinary Medicine and Veterinary Medical Research Institute, Jeju National University, Jeju, Korea, ²College of Life Science and Natural Resources, Sangji University, Wonju, Korea, and ³College of Veterinary Medicine, Seoul National University, Seoul, Korea
Keyword: Respiratory System, Abstract Number 90

P-22*
HISTOPATHOLOGIC AND IMMUNOHISTOCHEMISTRY INVESTIGATION OF HYPOPITUITARISM IN A 2-WEEK-OLD PORTUGUESE WATER DOG
A. Gal, L.T. Raetzman and K. Singh
Department of Pathobiology and Department of Molecular and Integrative Physiology, University of Illinois, Urbana, IL
Keyword: Endocrine, Abstract Number 49

P-23*
LESION DEVELOPMENT AND VIRAL REPLICATION IN EARLY VESICULAR STOMATITIS VIRUS (VSV) INFECTION IN CATTLE INOCULATED VIA SCARIFICATION AND BLACK FLY BITE
J.L. Reis Jr.\(^1\), L.L. Rodriguez\(^2\), D. Mead\(^1\), G. Smoliga\(^2\), and C.C. Brown\(^1\)
\(^1\)University of Georgia, Athens GA and \(^2\)Plum Island Animal Disease Center, USDA, Greenport, NY
Keyword: Infectious Disease, Abstract Number 56

P-24*
CANDIDA PERITONITIS IN DOGS: REPORT OF 4 CASES
K.A. Bradford, J.H. Meinkoth, and B.C. Love
Department of Veterinary Pathobiology, Oklahoma State University, Stillwater, OK
Keyword: Cytology, Abstract Number 91

P-25
PORCINE TESCHOVIRUS-INFECTION - IMMUNOHISTOCHEMICAL INVESTIGATION
B. Schade\(^1\), S. Scholes\(^2\), M. Dauber\(^2\), B. Blazey\(^4\), J. Emmler\(^5\), and J.P. Teifke\(^3\)
\(^1\)Bavarian Animal Health Service, Poing, Germany, \(^2\)Veterinary Laboratories Agency, Midlothian, UK, \(^3\)Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Riems Island, Germany, \(^4\)Chemical and Veterinary Investigation Office, Stuttgart, Germany, and \(^5\)Bundeswehr Medical Office, Munich, Germany
Keyword: Infectious Disease, Abstract Number 92

P-26*
FURTHER CHARACTERIZATION OF LYMPHOCYTIC FELINE CHOLANGITIS/CHOLANGIOHEPATITIS SYNDROME (CCHS) AND HEPATIC LYMPHOMA – AN IMMUNOHISTOCHEMICAL INVESTIGATION INTO LIPOTEICOIC ACID (LTA), BILIARY MAJOR HISTOCOMPATIBILITY COMPLEX (MHC) CLASS II, AND ALPHA SMOOTH MUSCLE ACTIN (ASMA) EXPRESSION
M.L. Lepherd, S.P. McDonough, and S.A. Center
College of Veterinary Medicine, Cornell University, Ithaca, NY
Keyword: Liver/Pancreas, Abstract Number 93

P-27*
PHAEOHYPHOMYCOSIS IN WHITE'S TREE FROG (LITORIA CAERULEA)
S.Y. Long\(^1\), C.A. Hadfield\(^2\), L.A. Clayton\(^2\), D.L. Huso\(^1\), and R.J. Montali\(^1\)
\(^1\)Department of Molecular & Comparative Pathobiology, Johns Hopkins University School of Medicine, and \(^2\)National Aquarium, Baltimore, MD
Keyword: Wildlife, Abstract Number 94

P-28*
CHARACTERIZATION OF IMMUNOHISTOCHEMICAL EXPRESSION OF PADI2 IN FELINE HYPERPLASTIC MAMMARY GLANDS AND MAMMARY ADENOCARCINOMAS
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Keyword: Mammary, Abstract Number 95

P-29
DIAGNOSIS OF TRICHOMONIASIS AND MOLECULAR DETECTION OF A NOVEL TRICHOMONAD GENOTYPE IN A STRIPED OWL (RHINOPTYNX CLAMATOR) FROM BRAZIL
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Keyword: Wildlife, Abstract Number 96

P-30
LINGUAL VASCULAR HAMARTOMAS IN TWO DOGS: REPORT OF CASES AND COMPARATIVE PATHOLOGY
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Keyword: Alimentary System, Abstract Number 97

P-31
BASALOID SQUAMOUS CELL CARCINOMA CASE IN A MINIATURE PINSCHER DOG
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Keyword: Neoplasia, Abstract Number 98

P-32^*
CEREBRAL PHAEOHYPHOMYCOSIS DUE TO CLADOPHIALOPHORA BANTIANA IN A HUACAYA ALPACA (VICUGNA PACOS)
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Keyword: Nervous System, Abstract Number 53

P-33^*
INTESTINAL CARCINOMA IN HORSES - A RETROSPECTIVE STUDY
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Keyword: Neoplasia, Abstract Number 99
P-34  
ECCRINE POROMA IN THE FOOTPAD OF A DOG  
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Keyword: Skin, Abstract Number 100

P-35*  
GARDEN HOSE SCALDING SYNDROME  
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Keyword: Skin, Abstract Number 57

P-36*  
A NEURODEGENERATIVE DISORDER IN A DOMESTIC CAT RESEMBLING FRONTOTEMPORAL LOBAR DEGENERATION  
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Keyword: Nervous System, Abstract Number 101

P-37*  
A RETROSPECTIVE STUDY OF GIANT CELL EPULIS IN DOGS (2000-2010)  
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Keyword: Alimentary System, Abstract Number 102

P-38*  
AN ATYPICAL BOVINE PAPULAR STOMATITIS VIRUS INFECTION OF THE DISTAL LIMBS IN AN ABERDEEN-ANGUS BULL  
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Keyword: Skin, Abstract Number 54

P-39*  
NM23 EXPRESSION CORRELATES WITH SURVIVAL AMONG DOGS WITH MAST CELL TUMORS
J. Weisman, A.N. Smith, A.E. Church Bird, E.N. Behrend, A. Vossmeyer, A. Shely, C.M. Johnson, and E.M. Whitley  
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Keyword: Neoplasia, Abstract Number 59

P-40**^  
PATHOLOGY OF CLONED CALVES: A REPORT OF 10 CASES  
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Keyword: None of the Above, Abstract Number 55

P-41*  
DISSEMINATED HISTOPLASMOSIS IN A CAPTIVE BENGAL TIGER  
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Keyword: Infectious Disease, Abstract Number 103

P-42*  
SEVERE NECROTIZING COLITIS IN COMMON MARMOSETS  
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Keyword: Primate, Abstract Number 104

P-43  
COPPER TOXICOSIS IN A SUGAR GLIDER  
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Keyword: Wildlife, Abstract Number 105

P-44**^  
GLIOMATOSIS CEREBRI WITH HIGH-GRADE OLIGODENDROGLIOMA: SUPPORT FOR TYPE II GLIOMATOSIS CEREBRI WITH NON-ASTROCYTIC ORIGIN IN A DOG  
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P-45**-^  
**IMMUNOHISTOCHEMICAL CHARACTERIZATION OF PRIMATE OVARIAN SEX-CORD STROMAL TUMORS**  
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Keyword: Neoplasia, Abstract Number 58

P-46*  
**CANINE SUBCUTANEOUS MAST CELL TUMORS: PROLIFERATION MARKERS AND C-KIT EVALUATION AS PROGNOSTIC INDICES**  
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Keyword: Neoplasia, Abstract Number 106

P-47  
**CORNEOSCLERAL HEMANGIOSARCOMA IN A CANINE: A CASE REPORT**  
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Keyword: Eye and Ear, Abstract Number 107

P-48  
**LYMPHOPROLIFERATIVE DISORDER CONSISTENT WITH PRIMARY CNS LYMPHOMA IN A DOG**  
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