**WEDNESDAY, October 17th**

Pre-Congress Day | Aristotle B

---

**09:00 - 12:00**  
**Toxicologic Clinical Pathology – Part 1**

Chair: Peter O’Brien

**Interpretation of pre-clinical, toxicity study findings**

Peter Cotton¹, Ian Roman², Jo Harding³, Peter O’Brien⁴

¹Clinical Pathology Laboratory Manager, AstraZeneca, UK  
²Head of Clinical Pathology and Diagnostics Department, Glaxo SmithKline, UK  
³Project Toxicologist, AstraZeneca, UK  
⁴DipECVCP, School of Veterinary Medicine, University College Dublin, Ireland

---

**12:00 - 13:00**  
**Lunch Break**

---

**13:00 - 16:00**  
**Toxicologic Clinical Pathology – Part 2**

Chair: Peter O’Brien

**Morphologic, haematotoxicity findings in pre-clinical toxicity studies**

Cliff Smith¹, Michael Burgess-Wilson²

¹Head of Hematology, Covance Laboratories, UK  
²Hematology, Principal Scientist, Envigo, UK
THURSDAY, October 18th
Erechtheion

09:00
Chair: Mathios Mylonakis
Canine and feline babesiosis
Laia Solano-Gallego¹, DVM, PhD. Dipl. ECVCP
Gad Baneth², DVM, PhD. Dipl. ECVCP
¹Departament de Medicina i Cirurgia Animals, Facultat de Veterinària, Universitat Autònoma de Barcelona, Bellaterra, Spain
²Koret School of Veterinary Medicine, Hebrew University, Israel

10:00
Chair: Mathios Mylonakis
Canine and feline relapsing fever borreliosis
Gad Baneth, DVM, PhD. Dipl. ECVCP
Koret School of Veterinary Medicine, Hebrew University, Israel

10:45
Coffee Break

11:15
Chair: Zoe Polizopoulou
Clinicopathologic aspects of canine monocytic ehrlichiosis (Ehrlichia canis): diagnostic implications
Mathios Mylonakis, Associate professor
School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece

12:00
Chair: Zoe Polizopoulou
Canine rickettsiosis
Laia Solano-Gallego, DVM, PhD. Dipl. ECVCP
Departament de Medicina i Cirurgia Animals, Facultat de Veterinària, Universitat Autònoma de Barcelona, Bellaterra, Spain

12:45
Lunch Break

14:15
Chair: Labrina Athanasiou
Canine and feline leishmaniosis
Laia Solano-Gallego¹, DVM, PhD. Dipl. ECVCP
Gad Baneth², DVM, PhD. Dipl. ECVCP
¹Departament de Medicina i Cirurgia Animals, Facultat de Veterinària, Universitat Autònoma de Barcelona, Bellaterra, Spain
²Koret School of Veterinary Medicine, Hebrew University, Israel
15:15  
15:45  
Coffee Break

15:45  
16:30  
Chair: Ernst Leidinger  
Hereditary immunodeficiencies and infectious diseases  
Urs Giger, Dipl. ECVCP (Clinical Pathology)  
Section of Medical Genetics, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, USA

16:45  
18:00  
ECVCP AGM

THURSDAY, October 18th  
Aristotle B

09:00  
10:45  
Free communications

Chair: TBA  
Iron status, inflammatory and oxidative blood markers in black and white European captive rhinoceroses  
Hanae Pouillevet, DVM¹, Nicolas Soetart, DVM¹, Rudy Wedlarski, DVM², Laetitia Jaillardon, DVM, PhD, Dipl ECVCP³  
¹Oniris Nantes-Atlantic National College of Veterinary Medicine, LabOniris-LDHVet, Nantes Cedex 3, France  
²Bioparc de Doué-La-Fontaine, Doué-la-Fontaine, France

Morphologic evaluation of bone marrow aspirates from Hispaniolan Amazon parrots (Amazona ventralis)  
Diana Schwartz¹, David Sanchez-Migallon Guzman², Hugues Beaufrere³, Melanie Ammersbach⁴, Joanne Paul-Murphy², Thomas N. Tully Jr.⁵, Mary M. Christopher¹  
¹Department of Pathology, Microbiology and Immunology and Department of Medicine and Epidemiology,  
²School of Veterinary Medicine, University of California-Davis, Davis, CA, USA  
³Department of Clinical Studies, Ontario Veterinary College, University of Guelph, Guelph, Canada  
⁴Antech Diagnostics Canada, Toronto, Canada  
⁵Department of Veterinary Clinical Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA, USA
Feline refractometers systematically underestimate urine specific gravity
Lilliehöök I, Näsholm M, Tvedten HW
1Dept of Clinical Sciences
2Veterinary student
3Clinical Pathology Laboratory, Swedish University of Agricultural Sciences, Uppsala, Sweden

Investigation of the status quo for veterinary point of care (POC) laboratories in Switzerland: availability, application and quality management
Rebeka Zahnd, Barbara Riond, Regina Hofmann-Lehmann, Martina Stirn
Clinical Laboratory, Vetsuisse Faculty, University of Zurich, Switzerland

Inter-instrumental comparisons between hematology analyzers in Japan
Sakurako Neo, Daigo Azakami, Kaori Ide, Haruhiko Maruyama, Tomohiro Yonezawa, Toshiro Arai
1Laboratory of Small Animal Internal Medicine, Veterinary School, Azabu University, Kanagawa, Japan
2Department of Veterinary Nursing and Technology, School of Veterinary Medicine, Nippon Veterinary and Life Science University, Tokyo, Japan
3Laboratory of Veterinary Internal Medicine, Tokyo University of Agriculture and Technology, Tokyo, Japan
4Laboratory of Veterinary Pathobiology, Department of Veterinary Medicine, Nihon University, Kanagawa, Japan
5Department of Veterinary Clinical Pathobiology, Graduate School of Life Science and Agriculture, The University of Tokyo, Tokyo, Japan
6Department of Veterinary Biochemistry, School of Veterinary Medicine, Nippon Veterinary and Life Science University, Tokyo, Japan

Tools to facilitate learning and teaching of veterinary clinical pathology
Strahinja Medić, Kathleen P. Freeman
1Vetlab doo, Belgrade, Serbia
2Rynachulaig Farm, Killin, Perthshire, United Kingdom

10:45 Coffee Break

11:15 Toxidologic Clinical Pathology
Chair: Peter O’Brien
Haematotoxicity
Peter Cotton
Clinical Pathology Laboratory Manager, AstraZeneca, UK
Toxicologic Clinical Pathology

Chair: Peter Cotton

In vitro to in vivo predictive toxicology: Myelo-, hepato- and cardiotoxicity
Jo Harding¹, Peter O’Brien²
¹Project Toxicologist, AstraZeneca, UK
²DipECVCP, School of Veterinary Medicine, University College Dublin, Ireland

12:45 Lunch Break

14:15 Chair: Peter Cotton
Regulatory validation
Michael Burgess-Wilson¹, Ian Roman²
¹Hematology, Principal Scientist, Envigo, UK
²Head of Clinical Pathology and Diagnostics Department, Glaxo SmithKline, UK

15:15 Coffee Break

15:45 Chair: Peter Cotton
Immunotoxicology
Brenda Finney
Biological Sciences Department Principal Scientist, Sequani, UK
FRIDAY, October 19th
Erecthion

09:00  Chair: Rania Farmaki
Canine angiostrongylosis
Smaro Sotiraki, DipEVPC
Senior researcher, Veterinary Research Institute, Greek Agricultural Organization “Demeter”, Thessaloniki, Greece

09:45  Chair: Rania Farmaki
Bovine respiratory disease and BVD diagnosis
Paul Burr
Biobest Laboratories, The Edinburgh Technopole, Penicuik, UK

10:30  Coffee Break & Poster Session

11:00  Chair: Kostas Papasouliotis
Mycobacterial infections
Paul Burr
Biobest Laboratories, The Edinburgh Technopole, Penicuik, UK

11:45  Chair: Kostas Papasouliotis
Canine dirofilariosis
Smaro Sotiraki, DipEVPC, Senior researcher
Veterinary Research Institute, Greek Agricultural Organization “Demeter”, Thessaloniki, Greece

12:30  Lunch Break

14:00  Chair: Emma Hooijberg
Feline infectious peritonitis
Alessia Giordano, DipECVCP
Department of Veterinary Science and Public Health, University of Milan, Italy

14:45  Chair: Emma Hooijberg
Cytology diagnosis in cutaneous skin infections
Rania Farmaki, DipECVD
School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece

15:30  Coffee Break & Poster Session
**Feline haemoplasmosis**

Kostas Papasouliotis  
*IDEXX Laboratories Ltd, Grange house, Sandbeck Way, Wetherby, West Yorkshire, England, UK*

**ESVCP AGM**

**FRIDAY, October 19th**  
Aristotle B

**Free communications**

Chair: Serafeim Chaintoutis

Comparison of different tissue specimens and PCR assays for the diagnosis of canine Ehrlichia canis infection

K. Theodorou¹, V.I. Siarkou², L. Leontides³, S. Harrus⁴, M.E. Mylonakis¹  
¹Clinic of Companion Animal Medicine, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece  
²Laboratory of Microbiology and Infectious Diseases, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece  
³Department of Epidemiology, Biostatistics and Animal Health Economics, School of Veterinary Medicine, Faculty of Health Sciences, University of Thessaly, Karditsa, Greece  
⁴Koren School of Veterinary Medicine, The Hebrew University of Jerusalem, Israel

Identifying reservoirs of antimicrobial resistance in faecal microbiota using high resolution chromosome conformation capture

Iain R L Kean, Srishti Gupta, Lajos Kalmar, Liz Lay, Ruby Coates, Andrew J Grant, Mark A Holmes  
Department of Veterinary Medicine, University of Cambridge, Cambridge, United Kingdom

Rate of Leishmania infantum infection based on serology, blood pcr and parasite specific interferon-gamma in cats and dogs living in the same area of south of Spain (Cordoba)

V. Priolo¹, P. Martinez-Orellana², A. Raya- Bermúdez³, F. Bruno⁴, M.G. Pennisi¹, L. Solano-Gallego²  
¹Dipartimento di Scienze Veterinarie, Università di Messina, Messina, Italy  
²Departament de Medicina i Cirurgia Animals, Facultat de Veterinària, Universitat Autònoma de Barcelona, Bellaterra, Barcelona, Spain
Serological evaluation of associations between canine leishmaniosis and multiple vector-borne co-infections: a prospective case-control study

Charalampos Attipa1,2,3, Laia Solano-Gallego4, Christian M. Leutenegger5, Kostas Papasoulitis1, Francesca Soutter1, Scott Carver6 Jesse S. Buch7, Séverine Tasker1,8

1Molecular Diagnostic Unit, Diagnostic Laboratories, Langford Vets, University of Bristol, Bristol, UK
2Cyvets Veterinary Center, Paphos, Cyprus
3Department of Pathology and Pathogen Biology, Royal Veterinary College, Hertfordshire, UK
4Departament de Medicina i Cirurgia Animal, Facultat de Veterinària, Universitat Autònoma de Barcelona, Spain
5IDEXX Laboratories, Inc. West Sacramento, USA
6Department of Biological Sciences, University of Tasmania, Tasmania, Australia
7IDEXX Laboratories, Inc. Maine, USA
8Bristol Veterinary School, University of Bristol, Langford, UK

Clonality testing in dogs with lymphadenomegaly due to Leishmania infantum infection

Antonio Melendez-Lazo1,2, Anne Katherine Jasensky1, Ico Thais Jolly Frahija3, Alexandra Kehl1, Elisabeth Müller2, Ignacio Mesa3

1LABOKLIN GmbH & Co. KG Labor für klinische Diagnostik
2Laboratorio Veterinario LABOKLIN
3Hospital Veterinario Valencia Sur
Free communications

Chair: Dimitra Pardali

Evaluation of red blood cell distribution width in dogs with hypothyroidism
Martinez C.1, Sabater M.2, O’Neill E.J.1, Shiel R.1, Mooney C.T.1
1University College Dublin, Ireland
2ExoticVets Valencia, Spain

Homeostasis model assessment and its relation to body fat in cats
Emma M. Strage1,2, Charles J. Ley1,2, Malin Öhlund1, Sarah Stadig1, Anna Bergh1, Cecilia Ley3
1Department of Clinical Sciences
2University Animal Hospital
3Department of Biomedical Sciences and Veterinary Public Health, Swedish University of Agricultural Sciences, Uppsala, Sweden

Clinical and biological follow-up of canine primary hypothyroidism secondary to immune-mediated thyroiditis: an observational cohort study of 68 dogs
Soetart N., Delaunay M., Jaillardon L.
Laboniris-LDHVet, Oniris, National College of Veterinary Medicine, Food Science and Engineering, Nantes, France

Cardiac myocyte injury is correlated with the degree of the consumptive coagulopathy present in dogs with Babesia rossi infection
Amelia Goddard, Johan P. Schoeman
Department of Companion Animal Clinical Studies, Faculty of Veterinary Science, University of Pretoria, Pretoria, South Africa

The acute phase response in healthy and injured southern white rhinoceros (Ceratotherium simum simum)
EH. Hooijberg1, C. Cray2, G. Steenkamp1, P. Buss3, A. Goddard1, M. Miller4
1Department of Companion Animal Clinical Studies & Centre for Veterinary Wildlife Studies, Faculty of Veterinary Science, University of Pretoria, South Africa
2Department of Pathology & Laboratory Medicine, University of Miami Miller School of Medicine, Florida, USA
3Veterinary Wildlife Services, South African National Parks, Kruger National Park, Skukuza, South Africa
4Department of Science and Technology/National Research Foundation Centre of Excellence for Biomedical TB Research/Medical Research Council Centre for Tuberculosis Research, Division of Molecular Biology and Human Genetics, Faculty of Medicine and Health Sciences, Stellenbosch University, South Africa

Lunch Break
SATURDAY, October 20th
CASE SESSION | Erecthion

Chair: Harold Tvedten

09:00 Introduction

09:05 Case 1 | Approach to diagnosis of defects in erythrocyte metabolism including a case of Heinz body anemia in a horse
J. Harvey

10:00 Case 2 | Splenic aspirates from a dog with azotemia
I. Oikonomidis

10:15 Case 3 | Aqueous humor from a dog
H. Ferreira

10:30 Case 4 | Coelomic fluid from a chicken
K. Irvine

10:45 Case 5 | Pericardial fluid from a cat
S. Evans

11:00 Case 6 | Sysmex scattergram in a cat
T. Lavabre

11:15 Case 7 | Peripheral nucleated red blood cells in a cat
L. Magna

11:30 Case 8 | Mandibular lymph node enlargement and lymphocytosis in a Shih tzu
S. Bernardi

11:45 Case 9 | Large subcutaneous tumour in a roe deer
A. Penrose

12:00 Light Lunch

12:30 Mystery Slide Session

Chair: Carlo Masserdotti
Free communications

Chair: Panagiotis Katsoulos
Flow cytometric approach to non-hematopoietic cells in canine cavitary effusion
Maverick Melega, Majlind Sulce, Barbara Miniscalco, Fulvio Riondato
Department of Veterinary Sciences, University of Turin, Grugliasco, Italy

Hemostatic parameters in preterm and full-term pigs of identical postnatal age
Anne Kirstine Havnsøe Krogh¹*, Anders Brunse²*, Thomas Thymann², Louise Bochsen¹, Annemarie T. Kristensen¹
* shared first authorship
¹Department of Veterinary Clinical Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark
²Department of Veterinary and Animal Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

A peculiar nuclear morphological alteration of canine neutrophils
Stranieri Angelica, Cancelli Irene, Paltrinieri Saverio
Department of Veterinary Medicine, University of Milan, Milan, Italy

Evaluation of a cytological grading system for cutaneous and subcutaneous soft tissue sarcomas (STS) in dogs
S. Sanchez Redondo, CHZ. Hare, TL. Williams
University of Cambridge, UK

End of Congress - Closing remarks

Chair: Zoe Polizopoulou
Canine and feline blood types, crossmatches and transfusion reactions
Urs Giger, Dipl. ECVCP (Clinical Pathology)
Section of Medical Genetics, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, USA
**POSTER PRESENTATIONS**

**P01** Serum protein electrophoretic profile of diarrheic neonatal calves  
L.V. Athanasiou¹, P.D. Katsoulos², C. Ziogas³, Z.S. Polizopoulou³  
¹Department of Medicine, Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly, Karditsa, Greece  
²Clinic of Farm Animals, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece  
³Diagnostic Laboratory, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece

**P02** Evaluation of hematology, clinical chemistry and bone marrow parameters in sheep herds  
Peter Vajdovich¹, Bernadett Szabó²  
¹Department of Clinical Pathology and Oncology, University of Veterinary Medicine, Budapest, Hungary  
²Veterinary Hematology and Oncology Centre, Budapest, Hungary

**P03** Comparison of two white blood cell counting methods in parrot blood samples  
Vajdovich P¹, Pazár Péter², László Zsófia³  
¹Department of Clinical Pathology and Oncology, University of Veterinary Medicine, Budapest, Hungary  
²Department of Exotic Animal and Wildlife Medicine, University of Veterinary Medicine, Budapest, Hungary

**P04** Correlation of a quantitative and a semiquantitative method for proteinuria detection in dogs with chronic kidney disease  
R. Baka¹, C. Koutinas², L. Athanasiou³, Z. Polizopoulou¹  
¹Diagnostic Laboratory, Faculty of Veterinary Medicine, School of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece  
²Clinic of Companion Animals, Faculty of Veterinary Medicine, School of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece  
³Department of Medicine, Faculty of Veterinary Medicine, University of Thessaly, Karditsa, Greece

**P05** Effect of season on selected hematologic, biochemical, and hormonal analytes in adult rams  
I.L. Oikonomidis¹,², E. Kiossis³, C. Brozos³, M. Kritsepi-Konstantinou¹  
¹Diagnostic Laboratory, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece  
²Easter Bush Pathology, The Royal (Dick) School of Veterinary Studies and The Roslin Institute, The University of Edinburgh, Easter Bush, UK  
³Farm Animal Clinic, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
Radial immunodiffusion should not be used to monitor serum m-protein concentration in canine patients with paraproteinemia
A. Russell Moore, Adam Duggar Harris
Department of Microbiology, Immunology and Pathology, Colorado State University, Fort Collins, CO, USA

First molecular detection of Babesia gibsoni in dogs from Hungary and Austria. Case series with clinicopathological data with breed predilection
Nándor Balogh1, Judit Csöndes1, Viktória Kunos1, Gyula Rabnecz1, Balzer Joerg2, Pantchev Nikola2, Sándor Hajdú3, Gábor Varjú3, Péter Balogh1, Katalin Kardos3, Péter Eggerszegi1, Gábor Erdélyi3, Katalin Hermándy-Berencz3, Ákos Máté4
1PraxisLab Kft. Private Veterinary Laboratory, Budapest, Hungary
2IDEXX-VetMedLabor Ludwigsburg, Germany
3Private veterinary practices, Hungary
4University of Veterinary Science, Budapest, Hungary

Characterization of healthy cattle urinalysis and determination of urine protein to creatinine ratio reference interval
N. Herman1, N. Bourgès-Abella2, J.P. Braun1, C. Ancel1, F. Schelcher3, C. Trumel2
1Ecole Nationale Vétérinaire de Toulouse, Université de Toulouse, France
2CREFRE, Université de Toulouse, INSERM, UPS, ENVT, Toulouse, France
3IHAP, Université de Toulouse

Implementing the molecular diagnosis of canine degenerative myelopathy
Rodrigues, A.C.1, Fernandes, L.1, Gomes, A.1, Martins A.2, Pomba, C.1,3
1Genevet, Laboratório de Diagnóstico Molecular Veterinário, Lisboa, Portugal
2Hospital Veterinário da Arrábida, Azeitão, Portugal
3CLISA, Faculdade de Medicina Veterinária (FMV), Universidade de Lisboa (ULisboa), Lisboa, Portugal

Frequency of the genetic mutation responsible for polycystic kidney disease in persian cats in Portugal
Rodrigues, A.C.1, Fernandes, L.1, Gomes, A.1, Pomba, C.1,2
1Genevet, Laboratório de Diagnóstico Molecular Veterinário, Lisboa, Portugal
2CLISA, Faculdade de Medicina Veterinária (FMV), Universidade de Lisboa (ULisboa), Lisboa, Portugal
P11 Separation of different canine hemoglobin fractions by a new automated capillary electrophoresis assay: validation, reference intervals and comparison between healthy and anemic dogs
I.L. Oikonomidis1,2, T.K. Tsouloufi1, M.E. Mylonakis3, M. Kritsepi-Konstantinou1
1Diagnostic Laboratory, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
2Easter Bush Pathology, The Royal (Dick) School of Veterinary Studies and The Roslin Institute, The University of Edinburgh, Easter Bush, UK
3Clinic of Companion Animal Medicine, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece

P12 Candidatus Rickettsia barbariae detected in Amblyomma variegatum from Principe Island, Sao Tome and Principe
Patrícia Barradas1, Lara Baptista1, Pablo Puente-Payo1, Paula Ferreira1, Fátima Gärtner1, Rita de Sousa2
1ICBAS-UP
2INSA

P13 Paratuberculosis in a domestic dog in south africa
Michele A. Miller1, Sewellyn C. Davey2, Lesley S. van Helden2, Frank Kettner3, Sandy M. Weltan4, Rick Last4, John D. Grewar2, Louise Botha1, Paul D. van Helden1
1DST NRF Centre of Excellence for Biomedical Tuberculosis Research, South African Medical Research Council Centre for Tuberculosis Research, Division of Molecular Biology and Human Genetics, Stellenbosch University, South Africa.
2Department of Agriculture, Western Cape Veterinary Services, South Africa
3Tygerberg Animal Hospital, Bellville, South Africa
4Vet Diagnostix Cape Town, Bellville, South Africa

P14 Inflammatory rectal polyp with osseous metaplasia in a nine-year-old british cat
Lisitskaya Ksenia1, Gaidarenko Elena2, Novikov Alexei2
1Veterinary clinic Biocontrol, Moscow, Russia
2Veterinary clinic Vega, Saint-Petersburg, Russia

P15 Validation of a particle enhanced turbidimetric immunoassay for measurement of cystatin c in canine serum and the association between cystatin c and glomerular filtration rate in dogs
Ulrika Falkenö1, Anna Hillström1, Ingrid Ljungvall2, Jens Häggström2, Lena Pelander2
1Clinical Pathology Laboratory, University Animal Hospital, Swedish University of Agricultural Sciences, Uppsala, Sweden
2Department of Clinical Sciences, Swedish University of Agricultural Sciences, Uppsala, Sweden
Concordance between three potential urinary markers of tubular damage in dogs, in the absence of a gold standard test
Saverio Paltrinieri1,2, Gabriele Rossi1,2, Ilaria Lippi4, Francesca Perondi4, Grazia Guidi4, Fabrizio Ibba1,5, Paola Scarpa1,2
1Department of Veterinary Medicine, University of Milan, Italy
2Veterinary Teaching Hospital, University of Milan, Italy
3College of Veterinary Medicine, School of Veterinary and Life Science, Murdoch University, Western Australia
4Department of Veterinary Science, University of Pisa
5Veterinary Clinic Poggio dei Pini, Capoterra, Cagliari, Italy

Validation of the stago STA R Max® coagulation analyzer in the laboratory rat
Defontis M., Reiniche A., Berthoud C., Demonaz A.
Charles River Laboratories, Safety Assessment, Les Oncins, Saint Germain Nuelles, France

Influence of regular exercise practice on haematology of obese dogs
Willian Kaida de Almeida, Thais Alessandra dos Santos, Fernanda Cristina Basso, Mariangela Lovatel, Mere Erika Saito, Leticia Andreza Yonezawa
Centre of Agroveterinary Sciences, Santa Catarina State University (UDESC), Lages, SC, Brazil

Serum biochemistry of obese dogs submitted to regular exercise
Willian Kaida de Almeida, Thais Alessandra dos Santos, Fernanda Cristina Basso, Ana Cristina Dalmina, Mere Erika Saito, Leticia Andreza Yonezawa
Centre of Agroveterinary Sciences, Santa Catarina State University (UDESC), Lages, SC, Brazil

In vitro platelet aggregation to demonstrate the influence of anti-drug antibodies on non human-primate platelets
F. Poitout-Belissent
Charles River Laboratories, Montréal, Canada

Acute phase response in *B. Canis* infection: correlation of fibrinogen values with blood cell counts
Milica Kovačević Filipović1, Kristina Spariosu1, Filip Janjić1, Vladimir Radonjić2, Andjelo Beletić3
1Faculty of Veterinary Medicine, University of Belgrade, Belgrade, Serbia
2Small animal private practice “Petrovac”, Belgrade, Serbia
3Center for Medical Biochemistry, Clinical Center of Serbia, Belgrade, Serbia

Clinical and clinico-pathological alterations may help in the diagnosis of primary and secondary immune-mediated thrombocytopenia?
Gavazza A1, Comassi G2, Tapinassi E2, Medina-Valentin AA2, Simcic P2, Lubas G2
1School of Biosciences and Veterinary Medicine, University of Camerino (MC), Italy
2Department of Veterinary Sciences, University of Pisa, Italy
A case of leukemia in a bearded dragon (Pogona Vitticeps)
Gavazza A¹, Galosi L¹, Croce V², Croce A², Genovese C², Cerquetella M¹, Rossi G¹
¹School of Biosciences and Veterinary Medicine, University of Camerino, Italy
²Private Croce Veterinary Clinic, Rome, Italy

Using convolutional neural networks for determining reticulocyte percentage in cats
Krunoslav Vinicki¹, Pierluigi Ferrari², Romana Turk³, Maja Bilić¹
¹Department of Pathophysiology, Veterinary Faculty, University of Zagreb, Zagreb, Croatia
²Department of Mathematics, Technical University of Berlin, Berlin, Germany

A pilot study on the predictive value of microalbuminuria in puppies with canine parvoviral enteritis
I.L. Oikonomidis¹, N. Soubasis¹, J.J. Ceron³, K. Theodorou², T. Rallis², Z. Polizopoulou¹
¹Diagnostic Laboratory, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
²Companion Animal Clinic, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
³Interdisciplinar laboratory of clinical analysis, Campus Mare Nostrum, University of Murcia, Spain

Unusual transformation of Leishmania spp. amastigotes to promastigotes in bone marrow sample
Carolina Rodríguez-Cariño¹, Javier López-Loarte², Daniel Marí-Martorell³ and Leticia Hernández-Martínez³
¹Anatomic Pathologist Service
²Laboratory Manager-Lab Operations
³Medical Consultant Service IDEXX laboratories, Spain

Clinical and pathological features of mycobacteriosis in fish: a review
Claudio Pigoli¹, Lucia Rita Gibelli², Cristian Salogni², Veronica Paciletti³, Gabriele Ghisleni³, Mario Caniatti¹
¹Department of Veterinary Medicine, University of Milan, Italy
²Istituto Zooprofilattico Sperimentale della Lombardia e dell’Emilia Romagna (IZSLER), Italy
³Clinica Veterinaria Castronno, Castronno, Italy

Which is the best immunocytochemistry method in the diagnosis of lymphoma: cell block or cytological smears?
Pâmela Valente, Sandra Carvalho, Jorge Correia, António Duarte, Constança Pomba, Conceição Peleteiro
Faculty of Veterinary Medicine, University of Lisbon, Lisbon, Portugal
Breed variation in frequency of canine anti-mouse antibodies
D. Bergman, E. Åhlén, B. Ström Holst
Department of Clinical Sciences, Swedish University of Agricultural Sciences, Uppsala, Sweden

Oral scrab from a *Frucifer Pardalis* with oral plaques
Marco Tecilla¹, Edoardo Bardí¹, Gabriele Ghisleni¹, Marta Attini², Mario Caniatti²
¹Department of Veterinary Biodiversity, University of Milan, Milan, Italy
²BiEsseA S.R.L. Laboratorio analisi veterinarie per animali da compagnia e da reddito, Milan, Italy

Canine keloidal fibrosarcoma: two case reports and review of the literature
Gabriele Ghisleni¹, Marta Attini¹, Matteo Gambini², Marco Tecilla², Silvia Selenia Cardinelli³, Stefania Melzi⁴, Mario Caniatti²
¹BiEsseA S.R.L. Laboratorio analisi veterinarie per animali da compagnia e da reddito, Milan, Italy
²Department of Veterinary Medicine, University of Milan, Milan, Italy
³Veterinary Clinic Cardinelli S.S. and Mordenti M., Ravenna, Italy
⁴Veterinary Clinic San Francesco, Bollate, Italy

Factor vii-activating protease (fsap) activation in dogs envenomated by the european adder (*Vipera berus*)
Hannah Harjen¹, Carola E. Henriksson²-³, Runa Rørtveit¹, Kristin P. Anfinsen¹, Elena Moldal¹, Sandip M. Kanse⁴
¹Faculty of Veterinary Medicine, Department of Companion Animal Clinical Sciences, Norwegian University of Life Sciences, Oslo, Norway
²Section for Haemostasis and Thrombosis, Department of Medical Biochemistry, Oslo University Hospital, Rikshospitalet, Oslo, Norway
³Institute of Clinical Medicine, University of Oslo, Norway
⁴Institute of Basic Medical Sciences, University of Oslo, Norway

Proteomics of host response to zoonotic infection in cows that aborted
R. Turk¹*, C. Piras², S. Špičić³, V. Greco⁴, N. Turk⁵, M. Kardum¹, M. Samardžija⁶, D. Đuričić⁷, M. Belić⁸, P. Roncada⁸
¹Department of Pathophysiology
²Department of Veterinary Medicine, University of Milan, Milan, Italy
³Laboratory for Bacterial Zoonoses and Molecular Diagnostic of Bacterial Diseases, Croatian Veterinary Institute, Zagreb, Croatia
⁴Institute for Research and Health Care, Fondazione Santa Lucia, Rome, Italy
⁵Department of Microbiology and Infectious Diseases with Clinic
⁶Clinic for Obstetrics and Reproduction, Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia
⁷Veterinary Practice Đurđevac, Đurđevac, Croatia
⁸Department of Health Science, University Magna Graecia, Catanzaro, Italy
P34 Urine phoretic patterns in healthy dogs by capillary electrophoresis
Navarro Martínez, Paula1; Gil Vicente, Laura2; Fernández-Barredo del Amo, Salceda3
1Doctorate school, Universidad Católica de Valencia San Vicente Mártir, Valencia, Spain
2Medicine and animal Surgery Department, Universidad Católica de Valencia San Vicente Mártir. Valencia, Spain
3Centro diagnóstico veterinario CEDIVET, Valencia, Spain

P35 Automated measurement of reticulated platelets in dogs using the idexx procyte dx compared to flow cytometry; reference values for procyte dx
Kristina Weiler, Natali Bauer, Andreas Moritz
Department of Veterinary Clinical Sciences, Clinical Pathology and Clinical Pathophysiology, Justus-Liebig-University Giessen, Giessen, Germany

P36 Immunohistochemical characterization of a malignant peripheral nerve sheath tumor in a dog
Pierre Picavet1, Géraldine Bolen2, Marianne Heimann2, Martin Hamon1, Stéphanie Noël1, Annick Hamaide1
1Department of clinical sciences, FARAH, College of Veterinary Medicine, University of Liège, Liège, Belgium
2ANAPET sprl, Montingy-le-Tilleul, Belgium

P37 Effects of propofol and carprofen on platelet aggregation and Kaolin-activated thromboelastography in dogs undergoing arthroscopic surgery
Monika Keresztes1, Nina Rothhaas1, Carsten Kazmierczak2, Katharina Lüttmann2, Sabine Tacke2, Andreas Moritz1, Natali Bauer1
1Department of Veterinary Clinical Sciences, Clinical Pathology and Clinical Pathophysiology, Justus-Liebig-University Giessen, Germany
2Department of Veterinary Clinical Sciences, Small Animal Veterinary Clinic, Surgery, Justus-Liebig-University Giessen, Germany

P38 Evaluation of hematological changes in layer chickens after vaccination and challenge with E.coli
D. Koutsianos1, L.V. Athanasiou2, M. Spyropoulou2, Z. Prentza1, Z. Polizopoulou3, D. Mossialos4, K. Koutoulis1
1Department of Poultry Diseases, Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly, Karditsa, Greece
2Department of Medicine, Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly, Karditsa, Greece
3Diagnostic Laboratory, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
4Department of Biochemistry and Biotechnology, Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly, Biopolis Larissa, Greece
Urine protein to creatinine ratio in cattle with subclinical kidney disease

P.D. Katsoulos¹, L.V. Athanasiou², D. Psalla³, C. Marouda³, M. Papchianou¹, A. Tsitsos¹, C. Boscos¹, Z.S. Polizopoulou⁴

¹Clinic of Farm Animals, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
²Department of Medicine, Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly, Karditsa, Greece
³Laboratory of Pathology, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece
⁴Diagnostic Laboratory, School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Thessaloniki, Greece