

European Society of Veterinary Pathology

The first 25 Years
of
European
Veterinary Pathology

Compiled by the Institut of Veterinary Pathology

Ludwig-Maximilians-University, Munich, Germany



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Introduction

This year the European Society of Veterinary Pathology will celebrate its 25th anniversary on the occasion of the annual meeting in Munich. This is an occasion on which to reflect upon the foundation and development of our society.

The foundations for the ESVP were laid in the year 1951 with the formation of the “Arbeitsgemeinschaft der Veterinärpathologen”, which soon changed its name to “Europäische Arbeitsgemeinschaft für Veterinärpathologen” and eventually to “Europäische Gesellschaft für Veterinärpathologie”.

From the very beginning the veterinary pathologists were closely tied with the “Deutsche Gesellschaft für Pathologie”, the society of the German speaking human pathologists. Our meetings always coincided with those of the human pathologists during the spring time. As well as participants from German speaking countries other colleagues, mainly from Italy, Spain and Benelux, regularly took part in those meetings.

In this sense it was actually a „limited“ European Society. The so called Autumn Meetings began in the early 70's. The first meeting took place in Bern, 1970. The Autumn Meetings were then held every two years in many European cities. The most unforgettable conferences were those held in Italy, organised by Professor Franco Guarda.

New developments in the organisation of the European Veterinary Pathologists were:

1. The separation of the ESVP from the so called “Fachgruppe Pathologie der DVG” of the German Association of Veterinary Pathologists within the “Deutsche Veterinärmedizinische Gesellschaft”, which had been a co-host of the spring meetings since 1957 – and
2. the foundation of the “European College of Veterinary Pathologists”. Since 1995, the ESVP meets annually in the autumn.

These developments are mainly linked to the names of Franco Guarda, Torino; Johan Mouwen, Utrecht; André-Laurent Parodi, Alfort, and G. Trautwein, Hannover.

Unfortunately, until now, efforts to bring together the ESVP and the ECVP under the same roof - as was the case with the ACVP - have been unsuccessful.

Whether or not the ESVP will actually develop into a pan-European institution only time will tell. A personal impression is that national societies are being well taken care of, whilst the European notion seems to be promoted in a less effective way. This has many reasons, not the least of which are rising costs of the meetings and the dramatic increase in “specialist” congresses.

In preparation of this year's 25th annual meeting of the ESVP, the Institute of Veterinary Pathology in Munich has decided to assemble this collection of topics from all the meetings between the years 1970 and 1995, a period of 25 years of Veterinary Pathology in Europe.

1. Herbsttagung

Europäische Arbeitsgemeinschaft für
Veterinärpathologen

10. – 11. September 1970

Bern, Schweiz

President: L. Cl. Schulz, Hannover
Secretary: C. Messow, Hannover
Treasurer: J. von Sandersleben, Gießen

EUROPAEISCHE ARBEITSGEMEINSCHAFT
DER VETERINAERPATHOLOGEN

1. HERBSTTAGUNG

10. - 11. September 1970 in Bern - Schweiz

TAGUNGSSORT: Veterinär-medizinische Fakultät der Universität Bern
Länggassestrasse 120
(Bus 12, Endstation Länggasse)

PROGRAMM

Donnerstag, den 10. September 1970:

8.30	Seminar über Immunfluoreszenz und Fluoreszenzmikroskopie: Leitung Herr Trautwein, Hannover	
<u>1. Herr Trautwein, Hannover:</u>	Allgemeine Methodik der Immunfluoreszenz	(60 Min.)
<u>2. Herr Fey, Bern; a.G.:</u>	Fluoreszenzmikroskopische Technik	(30 Min.)
<u>3. Herr Schimmelpfennig, Göttingen:</u>	Nachweis von Bakterien	(40 Min.)
<u>4. Herr Liess, Hannover; a.G.:</u>	Nachweis von Virusarten	(30 Min.)
	DISKUSSION im Anschluss an die einzelnen Vorträge	

12.30-14.30 Gemeinsames Mittagessen im Restaurant Jäger, Innerberg
(Fahrt mit Autocars ab Tagungsort)

10.09.70 vormittags:

Seminar über Immunfluoreszenz und Fluoreszenzmikroskopie, Leitung Herr Trautwein, Hannover

1. Herr Trautwein, Hannover: Allgemeine Methodik der Immunfluoreszenz
2. Herr Frey, Berlin, a. G.: Fluoreszenzmikroskopische Technik
3. Herr Schimmelpfennig, Göttingen: Nachweis von Bakterien
4. Herr Liess, Hannover, a. G.: Nachweis von Virusarten

10.09.70 nachmittags:

Arbeiten aus den Berner Instituten für Tierpathologie und Vergleichende Neuropathologie

1. H. Luginbühl: Institut für Tierpathologie: Aufgaben und Ziele
2. R. Fankhauser: Werdegang des Instituts für Vergleichende Neuropathologie
3. H. König: Historisches über das Institut für Tierpathologie
4. J. W. Buchanan: Radiographic aspects of cardiovascular pathology
5. G. L. Rossi: Freeze-drying, vapor post-fixation and vapor staining in the preparation of specimens for light and electron microscopy
6. S. Lindt: Hypothalamus und Sexualorgane nach chronischer Neuroleptika Applikation bei Versuchstieren
7. H. L. Radcliffe und H. Luginbühl: Swine: A model for experimental atherosclerosis
8. P. Infanger und H. Luginbühl: Arteriosklerose und ischämische Veränderungen im Gehirn von Schweinen verschiedener Altersklassen
9. B. Pauli: Fluoreszenz- und elektronenmikroskopische Untersuchungen der cerebralen

Amyloidose bei alten Hunden und senilen Menschen

10. R. Fatzer und R. Fankhauser: Retikulosen in Zentralnervensystem des Hundes.
 11. A. Tontis: Zur Morphogenese des Verschlusses des Ductus arteriosus (Botalli) beim Rind
 12. G. L. Rossi und H. Luginbühl: Ultrastructural study of viral inclusion bodies in conventional histological sections
 13. H. Häni: Zur Morphogenese der Haemophiluspneumonie beim Schwein
 14. B. Pauli und H. Gerber: Das Pferd als Modell für das Studium chronischer Lungenerkrankungen
- 11.09.70:
1. Herr Rudolph, Gießen: Organveränderungen bei Ratten nach Applikationen eines heterologen Antilymphozytenserums
 2. Herren Richter, Senge, Reis, Bergkamen und Essen: Heterologe Transplantation von Prostata-gewebe unter Immunsuppression mit Antilymphozytenserum
 3. Frau Hoffmann-Fezer, Giessen und Herr Lösch, München: Dysgammaglobulinämie mit Veränderungen lymphatischer Organe bei einem Hühnerstamm
 4. Herr Trautwein, Hannover: Zur Endokardiose der Atrioventrikularklappen des Hundes: Histo-chemie und Elektrophorese
 5. Herr Schneider, Hannover: Zur Endokardiose der Atrioventrikularklappen des Hundes: Enzym-histochemie
 6. Herr Ernst, Hannover: Herzklappen-Amyloidose beim Hund
 7. Herr Weiss, Frau Hoffmann-Fezer und Herr Hoffmann, Gießen: Zur Pathogenese der Blutungen bei der Schweinepest unter besonderer Berücksichtigung der Verbrauchskoagulopathie
 8. Herren Drommer und Pohlenz, Hannover: Zur Feinstruktur der cerebrospinalen Angiopathie (Harding) der Schweine
 9. Herr Karbe, Zürich - Frankfurt: GM₂-Gangliosidose beim Hund
 10. Herr Seidler, Hannover: Thiamin-Mangel beim Nerz (Chastek-Paralyse)
 11. Herr Guarda, Torino: Myokardregeneration bei Herzmuskelerkrankungen der Hühner
 12. Herren Hartig, Hebold, Czerwek, Mannheim: Die strumöse Degeneration in der Rattenniere (Häufigkeit, Lokalisation, Ursachen)
 13. Herr Tuch, Hannover: Magendilatation bei Ferkeln
 14. Herr Flir, Münster: Zum Auftreten der Maedi-Krankheit der Schafe in der Bundesrepublik Deutschland
 15. Herr Weiland, Hannover-Tübingen: Zur Differentialdiagnose zweier virusbedingter chronischer Lungenerkrankungen des Schafes, der progressiven interstitiellen Pneumonie und der Lungenadenomatose
 16. Herr El Etreby, z. Zt. Gießen: Experimentelle Mastitis beim Schaf
 17. Herr Pohlenz, Hannover - Zürich: Zum Auftreten elektiver Marknekrosen in der Niere des Hundes
 18. Herr Herbst, Ingelheim: Pathologisch-anatomische Befunde nach Rechts-Herzkatheterisierung des Hundes

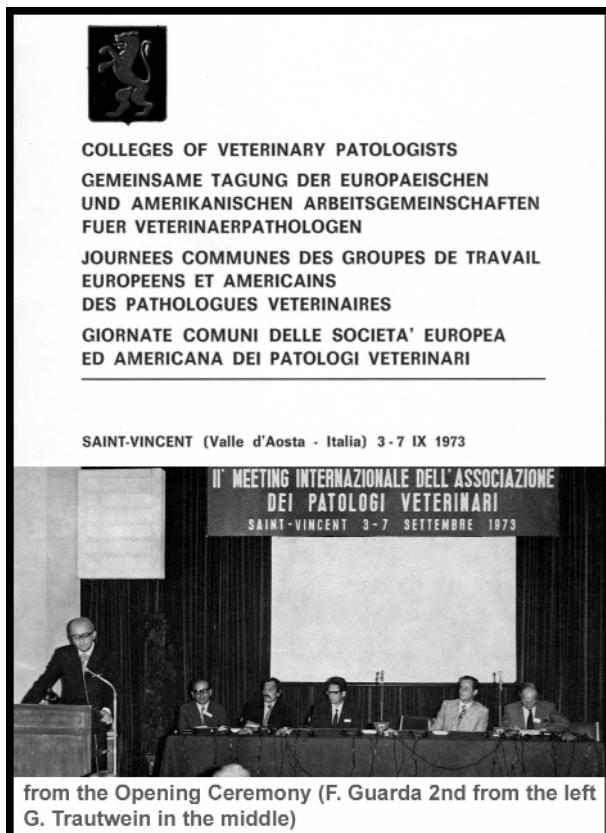
Joint Meeting of the European and American
Colleges of Veterinary Pathologists

Gemeinsame Tagung der Europäischen und
Amerikanischen Arbeitsgemeinschaften für
Veterinärpathologen

03 - 07 September 1973

Saint-Vincent, Valle d'Aosta, Italien

President: G. Trautwein, Hannover
Secretary: H. Loppnow, Berlin
Treasurer: K. Dämmrich, Berlin



Viral Diseases Chairmen: T. J. Hulland (Guelph), G. Trautwein (Hannover)

1. H. W. Dunne (University Park, Pennsylvania): The microscopic pathology of aborted bovine and porcine fetuses having serologic evidence of one or more viral infections
2. R. W. Storts (College Station, Texas): Canine distemper: Possible mechanisms involved in its pathogenesis
3. A. A. van Dreumel (Guelph, Ontario): Spontaneous systemic Infectious Bovine Rhinotracheitis (IBR) virus infection in feedlot cattle
4. I. Mannocchio (Perugia): Selective necrosis of Langerhans' islets in bovines with experimental foot-and-mouth disease
5. V. L. Sanger, J. D. Krehbiel, A. Ravi (East Lansing, Michigan): Ophthalmic lesions in feline infectious peritonitis: Gross, microscopic and ultrastructural changes
6. A. A. Bickford (Lafayette, Indiana): Comparative aspects of inclusion body hepatitis in several avian species
7. J. P. Luge (Ames, Iowa): Pathogenesis of pseudorabies virus infection in pregnant gilts
8. C. A. Mebus (Lincoln, Nebraska): Reo-like and corona-like viruses in calf diarrhea
9. P. S. Marcato (Bologna): Histopathology of lymph nodes in myxomatosis of rabbits
10. P. Galati, V. Puccini, F. Contento (Napoli, Foggia): The occurrence of glanders in lions. Histopathological findings
11. E. Weiss, W. Thiel, R. Rudolph (Giessen): Electron microscopic studies of the kidney in acute hog cholera
12. G. Korn (Tübingen): Change in the course of disease of hog cholera after lymphocyte stimula-

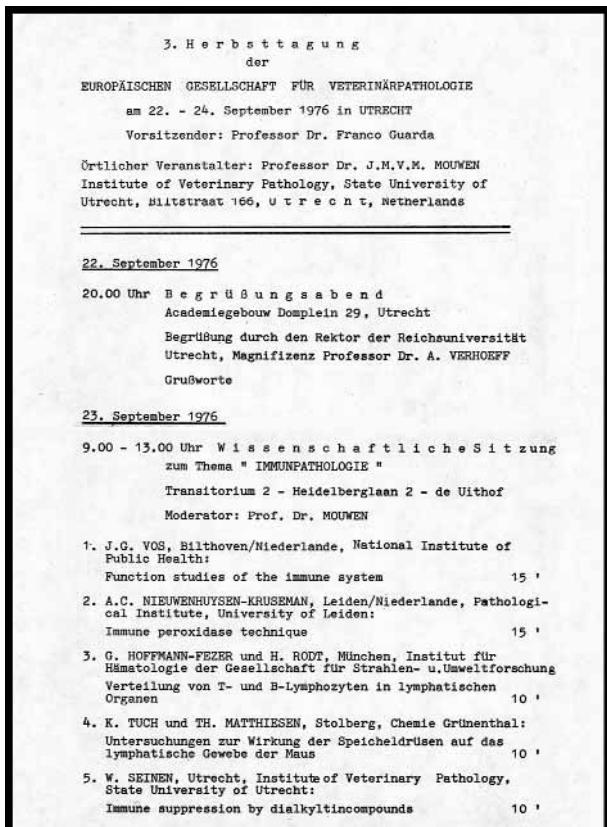
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13. G. Trautwein (Hannover): Studies of immunodepression in Aleutian disease of mink
Gastrointestinal Pathology
14. H. J. van Kruiningen (Storrs, Connecticut): Fascinating features of gastrointestinal pathology
15. H. J. Olander (West Lafayette, Indiana): Surgical preparations in the study of colonic function and disease
16. F. Ceretto (Sassari): Morphology and histogenesis of the intestinal lymphoepithelial tissue in Sardinian sheep
17. D. M. Williams, H. U. Bertschinger (Zürich): Pathology of the large intestine of piglets with diarrhea and runting
18. M. Derenzini, L. Fiume, V. Marozzi, F. Petazzi, A. Testoni (Bologna): Pathogenesis of gastrointestinal lesions in Amanita phalloides poisoning
- Experimental and Spontaneous Tumors Chairmen: A.A. van Dreumel (Guelph), F. Guarda (Torino)
19. J. M. Ward (Bethesda, Maryland): Experimental colon cancer in rats and mice
20. P. M. Newberne (Cambridge, Massachusetts): Influence of laminar flow caging on response to Benzopyrene induced pulmonary carcinoma
21. R. L. Farell (Columbus, Ohio): The effects of Tween 80 on respiratory oncogenesis by Benzo(a)-pyrene instilled intratracheally in Syrian hamsters
22. T. J. Kakuk (Rochester, New York): Biochemical, biological and morphometric aspects of the R 3230 AC mammary carcinoma in Fischer rats
23. S. Biavati (Bologna): Transmissible fibrosarcoma of the peritoneum in the guinea pig
24. P. Schneider (Biberach): Light and electron microscopic studies of a malignant lymphoma in a Rhesus monkey
25. K. R. van Kampen (Murray, Utah): Regression of ocular squamous cell carcinoma in cattle following immunotherapy
- Round Table Discussion: Training in Veterinary Pathology
Moderators: S.W. Nielsen (Storrs), H. Luginbühl (Bern)
26. L. Z. Saunders (Philadelphia): Training programs in veterinary pathology in North America
27. L.-Cl. Schulz (Hannover): Training programs in veterinary pathology in Germany
28. F. R. Robinson (Washington, D. C.): Registry of veterinary pathology-An educational resource
Neuropathology Chairmen: R. Fankhauser (Bern), A. Koestner (Columbus, Ohio)
29. A. Koestner (Columbus, Ohio): Present concepts of virus-induced demyelinating encephalomyelitis
30. R. Fankhauser and F. Guarda (Bern, Torino): Encephalopathy due to water deprivation in pigs
31. N. Cheville (Ames, Iowa): Cytopathology of Newcastle-Disease-Virus in the chicken brain
32. S. W. Nielsen (Storrs, Connecticut): Effects of vitamin A on cerebrospinal fluid dynamics
33. U. Schmidt (Hannover): Contribution to the cytological examination of the cerebrospinal fluid in the pig and dog

34. H.-H. Fiedler, W. Drommer, L.-Cl. Schulz (Hanover): Light and electron microscopic studies of the pig spinal cord leptomeninx in normal conditions and after coli-endotoxin shock in the pig
35. P. B. Little (Guelph, Ontario): Analogue induced cortical necrosis in dairy calves
36. H. Stuenzi, F. Schneider, J. Pohlenz (Zürich): Two cases of focal malacia in calves
37. F. Guarda, R. Fankhauser (Torino, Bern): Mycotic lesions in the brain of bovine fetuses and calves
38. F. Cristofori, I. Pancani, G. Sartore (Torino): Clinical, histopathological and immunogenetical findings in a bovine monster with duplication of the brain, surviving two days after birth
39. R. Serbedija, G. Pappritz (Biberach): Pathological findings in the medial hypothalamus of the rat after pressure atrophy
40. B. Klaus (Giessen): Rosenthal fibers in intracranial epidermoids in the dog
41. L. E. Mawdesley-Thomas, A. J. Newman (Huntingdon, England): Spontaneous tumours of the C. N. S. in the rat
42. D. Schiffer (Torino): Experimental brain tumors in the rat induced by nitrosourea. Relationship between mixed-cellular, isomorphous and polymorphous gliomas
43. B. C. Zook (Washington, D. C.): Lead poisoning in zoo animals
- Free Papers Chairmen: F. M. Garner (Rockville), E. Weiss (Giessen)
44. K. Daemmrich (Berlin): The pathogenesis of arthropathia deformans in young animals
45. S. Seibel (Berliln): The pathogenesis of epiphyseal cartilage lesions in fattening bulls
46. B. Micheletto (Torino): Aspects of vascular structure in the "non-articulating" osseous surfaces in experimental arthropathies in cattle and sheep
47. W. Drommer (Hannover): Ultrastructure of synovial cells in chronic erysipelas of pigs in comparison to rheumatoid arthritis of man
48. B. Pauli, B. Wilkie, M. Gygax (Bern): Pathology of experimental "Farmer's lung" in the guinea pig
49. K. Mc Entee (Ithaca, New York): Adenomyosis of bovine Vas deferens
50. F. M. Garner (Rockville, Maryland): Cryptosporidiosis in non-human primates
51. F. Guarda, G. C. Cravero (Torino): Pathology of the cardiac aneurysms in the calf and chicken
52. M. Seewer, H. Luginbuehl, R. Griffith, R. Hummel (Bern, Basel): Coronary sclerosis and myocardial lesions in rats with experimental hypertension
53. G. L. Rossi, E. E. Mueller, G. Falconi (Bern, Milano): The influence of the concentration of the "Releasing Factors" in the blood of function and structure of the transplanted pituitary gland in the rat
54. A. R. Khater, K.-D. Richter, M. F. el Etreby, P. Guenzel (Bergkamen): Histomorphological changes in rats after repeated application of corticosteroids
55. K. Millizer (Hannover): Histometrical studies of the carageenin paw edema in rats
56. K. D. Budras (Berlin): Morphology of the transformation of steroid hormon-producing cells in broiler chicken: intestinal cells in the testis
57. B. Hildebrand (Berlin): Morphology of the transformation of steroid hormon-producing cells

in broiler chicken: interrenal cells

58. J. Pohlenz, F. Ehrensperger (Zürich): Histological study of epithelial lesions in experimental biotin deficiency in pigs
59. L. G. Adams (College Station, Texas): Morphogenesis of ovine hepatic fatty cirrhosis
60. B. Romboli, F. Guarda (Pisa, Torino): Parasitic hepatitis in a chimpanzee
61. I. Kunstyr, T. Matthiesen (Hannover): Two variations of a Streptococcus infection in the guinea pig
62. C. Genchi, A. Locatelli (Milano): Skin test in bovine distomatosis: possible correlations between the morphological picture and some immuno-chemical aspects
63. A. Monino, M. Ferro Milone, A. Roffino (Ivrea, Torino): Morphological and functional observations in experimental nephropathy due to toxic substances in laboratory animals
64. E. Gruijs (Utrecht): Some remarks on amyloidosis in the kidney
65. I. Zayed (Oss, Holland): Glomerular lipidosis in Beagle dogs
66. J. D. Strandberg (Baltimore, Maryland): Ultrastructure of canine mammary gland
67. H. Loppnow, Chr. Gembardt (Berlin): Contribution to the pathogenesis of spontaneous diabetes mellitus in cats



3. Herbsttagung der
Europäischen Gesellschaft für
Veterinärpathologie

22. - 24. September 1976

Utrecht, Niederlande

President: F. Guarda, Torino
Secretary: K. Frese, Gießen
Treasurer: R. Rudolph, Gießen

23.09.76: Wissenschaftliche Sitzung zum Thema „Immunpathologie“

Moderator: Prof. Dr. Mouwen

1. J. G. Vos, Bilthoven/Niederlande, National Institute of Public Health: Function studies of the immune system

2. A. C. Nieuwenhuysen-Kruseman, Leiden/Niederlande, Pathological Institute, University of Leiden: Immune peroxidase technique
3. G. Hoffmann-Fezer und H. Rodt, München, Institut für Hämatologie der Gesellschaft für Strahlen- u. Umweltforschung: Verteilung von T- und B-Lymphozyten in lymphatischen Organen
4. K. Tuch und Th. Matthiessen, Stolberg, Chemie Grünenthal: Untersuchungen zur Wirkung der Speicheldrüsen auf das lymphatische Gewebe der Maus
5. W. Seinen, Utrecht, Institute of Veterinary Pathology, State University of Utrecht: Immune suppression by dialkyltincompounds
6. P. A. Steerenberg and E. J. Ruitenberg, Bilthoven/Niederlande, National Institute of Public Health: Stimulation of the non-specific resistance by Bacillus Calmette Guérin (B. C. G.) and Corynebacterium Parvum (C.P.)
7. I. Käufer und E. Weiss, Gießen, Veterinär-Pathologisches Institut der Universität: Die Infektiöse Bursitis (I. B. D.) des Huhnes als immunologisches Modell
8. H. Loppnow und W. P. Viertel, Berlin, Institut für morphologische und funktionelle Veterinärpathologie der Freien Universität: Histologische Untersuchungen zum Nachweis der Immunkörperbildung bei Schweinefeten
9. J. S. Teppema and E. J. Ruitenberg, Bilthoven/Niederlande, National Institute of Public Health: Immunopathology of the small intestine during experimental *T. spiralis* infection
10. T. S. G. A. M. van den Ingh, Utrecht, Institute of Veterinary Pathology, State University Utrecht: Pathogenical aspects of Trypanosomiasis in the rabbit
11. E. Burkhardt, Gießen, Veterinär-Pathologisches Institut der Universität: Isolierung sowie morphologische und funktionelle Charakterisierung mononukleärer Blutleukozyten des Haushuhnes
12. M. Reinacher, Gießen, Veterinär-Pathologisches Institut der Universität: Untersuchungen zur Charakterisierung mononukleärer Leukozyten des Huhnes durch Immunseren gegen gereinigte Hühner- γ -Globuline
13. G. Bestetti, Bern, Institut für Vergleichende Neurologie: Ultrastructural observations concerning the etiology of a meningo-encephalomyelitis in Swiss cattle
- M. F. El Etreby, Schering AG, Berlin: Methodisches Seminar „Adenohypophyse“

24.09.76: Wissenschaftliche Sitzung zum Thema „Glomerulopathien“
Moderator: Prof. Dr. Trautwein

1. G. Trautwein, Hannover, Institut für Pathologie der Tierärztlichen Hochschule: Glomerulopathien bei Tieren
2. W. Drommer und E. G. Veltmann, Institut für Pathologie der Tierärztlichen Hochschule: Ultrastruktur des normalen Glomerulums
3. W. Thiel, K. Frese und F. Hartig, Gießen und Mannheim, Veterinärpathologisches Institut der Universität/Medizinische Forschung der Boehringer GmbH Mannheim: Ultrastruktur des Glomerulums bei jungen Hunden
4. W. Thiel und E. Weiss, Gießen, Veterinärpathologisches Institut der Universität: Elektronenmikroskopische Veränderungen der Glomerula und Nierengefäße bei akuter Schweinepest
5. E. G. Veltmann, W. Drommer und L. Cl. Schulz, Hannover, Institut für Pathologie der Tierärztlichen Hochschule: Veränderungen am Glomerulum bei protrahiertem Vasotoxinschock des

Schweines

6. R. Müller-Peddinghaus, Hannover, Institut für Pathologie der Tierärztlichen Hochschule: Glomerulopathien beim Hund
7. I. Weisse, W. Frölke, D. von Bomhard und J. von Sandersleben, Ingelheim und München, Exp. Pathologie und Toxikologie der C. H. Boehringer Sohn/Institut für Tierpathologie der Universität: Zur glomerulären Lipidose beim Beagle
8. G. Pappritz, P. Schneider und R. Müller-Peddinghaus, Biberach und Hannover, Abt. f. Exp. Pathologie der Dr. Karl Thomae GmbH/Institut für Pathologie der Tierärztlichen Hochschule: Die Kaliumhydrogenphosphat-induzierte Nephropathie des Hundes. III. Glomeruläre Veränderungen
9. Chr. Gembart, Berlin, Institut für morphologische und funktionelle Pathologie der Freien Universität: Seltene Glomerulopathien bei Katzen
10. F. Deerberg, H. Gleichmann und W Pittermann, Hannover, Zentralinstitut für Versuchstierkunde der Medizinischen Hochschule: Zur Glomerulonephritis bei Han:NMRI-Mäusen
11. C. Messow und H. Hackbarth, Hannover, Institut für Pathologie der Tierärztlichen Hochschule/Zentralinstitut für Versuchstierkunde der Medizinischen Hochschule: Geschlechtsabhängige Befunde am parietalen Epithel der Nierenkörperchen der Mäuse
12. O. Geisel, München, Institut für Tierpathologie der Universität: Glomerulopathien bei kongenital mit LCM-Virus infizierten Labormäusen
13. H. Bär und N. Deutschländer, Frankfurt/Main, Experimentelle Pathologie der Hoechst AG: Glomerulopathien bei alten Ratten unter besonderer Berücksichtigung von Verfettungen

Freie Vorträge

Vorsitzender: Prof. Dr. Guarda

14. H. Thoonen und J. Hoorens, Gent, Laboratorium Pathologie der Huisdieren, Fakulteit Diergeeskunde: Lokalisation der Läsionen bei Vomiting and Wasting Disease
15. F. Guarda, G. C. Cravero und E. Cornaglia, Torino, Istituto di Patologia Generale ed Anatomia Patologica Veterinaria: Beitrag zur Pathologie des Rückenmarks bei Kälberkrankheiten
16. B. Hauser, J. Pohlenz und H. Stünzi, Zürich, Institut für Veterinär-Pathologie der Universität: Zum Nasenbluten beim Pferd
17. R. Hoffmann, Grub, Tiergesundheitsdienst Bayern, Zentralinstitut: Nebennierenveränderungen bei bakteriellem Schock von Kälbern
18. G. Korn und W. Matthaeus, Tübingen, Bundesforschungsanstalt für Viruskrankheiten der Tie re: Zur Pathogenese der Schweinepesterkrankung. Blutbildveränderungen bei Schweinen nach Gaben von Pankreasuspensionen (Schw) und Chymotrypsin (Rd)

European Veterinary Pathology Society
4th Autumn Meeting

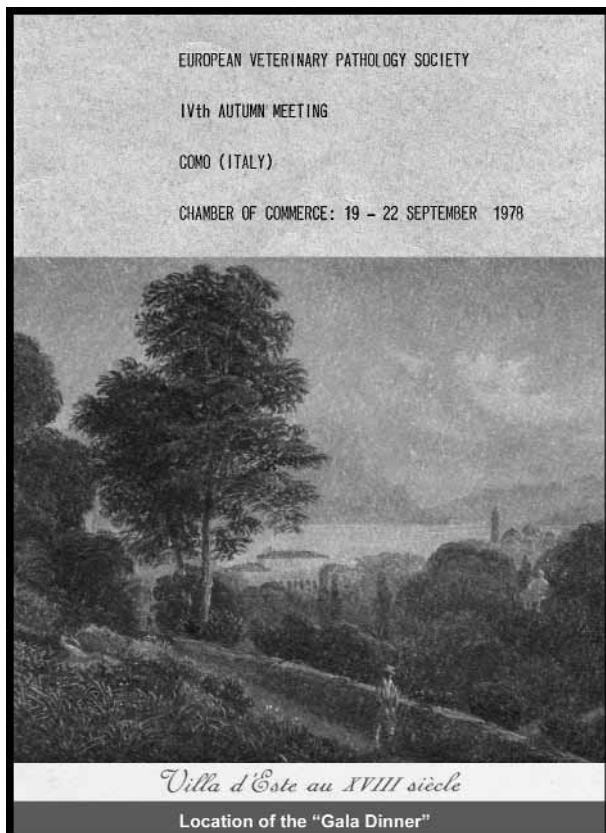
19 – 22 September 1978

Como, Italien

President: R. Fankhauser, Bern

Schriftführer: K. Frese, Gießen

Kassenführer: R. Rudolph, Gießen



1. L. Belloni, Milano, Istituto di Storia della Medicina Università di Milano: The contribution of Veterinary Pathology toward the discovery of the etiology of Gotthard miner's anaemia
2. P. Galati, S. Damiani, B. Zacchi, M. Donghi, Napoli, Istituto di Anatomia Patologica Veterinaria, Università di Napoli: Bovine hypofertility and sterility. Preliminary studies of 500 cases in a breeding herd in the Campania
3. F. Porcelli, A. Lauria, C. A. Redi, A. Fraschini, Milano and Pavia, Istituto di Anatomia degli Animali Domestici, Università di Milano: A cytochemical demonstration of DNP complex alterations in sperms of subfertile bulls
4. A. Gimbo, A. Zanghi, Messina, Istituto di Oncologia Comparata degli Animali Domestici, Università di Messina: Inflammatory metropathy in camels
5. G. Pappritz und U. Hirsch, Biberach, Dr. Karl Thomae GmbH, Experimentelle Pathologie: Pathology and familiar occurrence of orchitis in beagle dogs in connection with thyreoiditis
6. P. Schneider, Biberach, Dr. Karl Thomae GmbH, Experimentelle Pathologie: Arteriitis of the periarteriitis nodosa type in the testicle and epididymis of the beagle dog
7. A. Lauria, G. Aureli, Milano, Istituto di Anatomia degli Animali Domestici, Università di Milano: Histopathological behaviour of adult cryptorchid mammals testis in monolayer cultures
8. I. v. d. Gaag, Utrecht, Institute of Veterinary Pathology State University: Enteric diseases in the dog
9. M. Herbst und H. M. Jennewein, Ingelheim, Abt. für experimentelle Pathologie und Toxikologie, Abt. Pharmakologie, Fa. C. H. Boehringer Sohn: Morphologische, enzymatische und metabolische Charakterisierung von isolierten Magenzellen
10. P. Simoni, R. Rosmini, A. Fiorini e. V. Dafie, Bologna, Istituto di Anatomia Patologica Veterinaria, Università di Bologna: Some histological and ultrastructural aspects of liver coccidiosis in

the rabbit

11. F. Agnes, C. Genchi, A. Locatelli e T. Simonic, Milano Istituto Policattedra di Patologia Generale Veterinari, Università di Milano: Host-parasite relationship: some liver biochemical features in rats with experimental infestation of *F. hepatica*
12. G. del Bono, M. Arispici, Pisa, Cattedra di Patologia Generale Comparata, Università di Pisa: Visceral cysticercosis in the camel
13. M. Arispici e G. Del Bono, Cattedra di Patologia Generale Comparata, Università di Pisa: Special type of liver cirrhosis in the camel
14. A. Streun, G. Rossi, P. Coudert, Bern und Tours, Institut für Tierpathologie der Universität, INRA, Station de Pathologie Aviaire, Monnaie: Endogenous cycle of three pure lines of *Eimeria* in experimentally infected rabbits: light- und electronmicroscopical findings
15. E. Arru, F. Guarda, Sassari-Torino, Istituto di Patologia Generale e Anatomia Patologica, Facoltà Veterinaria: Studies in atherosclerosis of the aorta in free living Sardinian wild boar
16. F. Roperto, G. di Modugno, A. Troncone, C. Bonaviglia, Napoli, Istituto di Patologia Aviare e Istituto di Patologia Veterinaria, Università di Napoli: Avian adenovirus infections in the South of Italy. Serological findings and preliminary histopathological results
17. E. Burkhardt, J. Paulsen, Giessen, Institut für Veterinärpathologie und Institut für Hygiene und Infektionskrankheiten der Tiere der Universität: Isolation of Bovine Herpes Virus 1 (IBR/IPV) in cattle of different age groups with gastrointestinal lesions
18. F. Ehrensperger, S. Meier, Zürich, Institut für Veterinärpathologie der Universität: Intestinal lesions in dogs with experimental and spontaneous distemper
19. W. Hermanns, G. Trautwein, H. Meyer, H. R. Frey, B. Liess, Institut für Pathologie Abt. Immunologie und Institut für Virologie der Tierärztlichen Hochschule: Investigations in the experimental diaplacental infection with hog cholera
20. G. Korn, Tübingen, Bundesforschungsanstalt für Viruskrankheiten der Tiere: Mechanism in virus infections. Chymotrypsin- and virus content in lymphatic and peritoneal fluid of pigs with hog cholera, with remarks on the serological specificity of the chymotrypsin type
21. R. Giavanni, E. Grimaldi, M. Finazzi, Milano, Istituto di Patologia Generale e Anatomia Patologica, Università di Milano: Mycobacterial infections in aquarium fishes
22. Vandenberghe, Gent, Department of Veterinary Pathology, State University: Actinomyces granulatum in caseous mycobacterial lymphadenitis in slaughter-house-pigs
23. S. Überschär, B. de Gritz, Hannover, Institut für Pathologie und Institut für Mikrobiologie der Tierärztlichen Hochschule: Light- and electronmicroscopical studies of the nasal conchae in gnotobiotic pigs experimentally infected with *B. bronchiseptica*
24. A. A.-K. Mahdi, W. Drommer, Hannover, Institut für Pathologie der Tierärztlichen Hochschule: Ultrastructural transformation of the synovial cells in the acute phase of experimental polyarthritides
25. R. Hoffmann, D. O. Schmid, Grub und München, Tiergesundheitsdienst Bayern und Institut für Blutgruppenforschung: Autoimmune haemolytic anaemia in pigs with erythrocytosis
26. A. Pospischil, R. Hoffmann, München und Grub, Institut für Allgemeine Pathologie und Pathologische Anatomie des FB Tiermedizin der Universität und Tiergesundheitsdienst Bayern, Abt. Pathologie: Electronmicroscopical and morphometric findings in erythrocytes of pigs with erythrocytosis

27. O. Geisel, München, Institut für Allgemeine Pathologische Anatomie des FB Tiermedizin der Universität: Toxoplasmosis in wild mustelides
28. G. Trautwein, H. Kirchhoff, J. Heitmann, Hannover, Institut für Pathologie und Institut für Mikrobiologie der Tierärztlichen Hochschule: Ocular lesions in rabbits experimentally infected with Spiroplasma sp. SMCA (Suckling Mouse Cataract Agent)
29. G. C. Cravero, G. Bestetti, C. Peruccio, Torino and Bern: Institut für Vergleichende Neurologie Bern and Istituto di Anatomia Patologica Veterinaria dell'Università di Torino: Systemic cryptococcosis in a cat. Light- and electronmicroscopical findings
30. M. Finazzi, G. Cammarata, Milano, Istituto di Patologia Generale e Anatomia Patologica, Università di Milano: Contribution to the classification of the so-called Sertoli cell tumour in the dog
31. Th. A. M. Elsinghorst, R. O. Vles, Utrecht, Institute of Veterinary Pathology, State University: Uterine carcinomas in the rabbit
32. R. Cheli, Milano, Clinica Chirurgica Veterinaria, Università di Milano: Bone and synovial tumours in domestic animals
33. E. Schäffer, A. Lutz, Neuherberg, Institut für Biologie, Abt. für Allgemeine und Experimentelle Pathologie der Gesellschaft für Strahlen- und Umweltforschung GmbH: Osteosarkominduktion nach Inkorporation des kurzlebigen Beta-Strahlers Lutetium-177
34. H. Cammarata, M. Cammarata Parodi, Milano, Istituto di Patologia Generale e Anatomia Patologica, Facoltà di Medicina Veterinaria: Megacaryocytoleucosis in a cat
35. K. Frese, Gießen, Institut für Veterinärpathologie der Universität: On the histogenesis of cutaneous and oral melanomas in the dog
36. H. Frank, K. Frese, Gießen, Institut für Veterinärpathologie der Universität: Spontaneous trichoepitheliomas in the guinea pig
37. J. Mannocchio e L. Mughetti, Perugia, Istituto di Anatomia Patologica Veterinaria, Università di Perugia: Pancreatic insulinoma in the bovine species
38. P. Brunner, Erlangen, Pathologisches Institut der Universität: Structural lesions of the bronchial mucosa in domestic animals: types, etiology and fate
39. M. Meisl, P. Brunner, Erlangen, Pathologisches Institut der Universität: Structure and meaning of bronchial basement membranes. Comparative morphological studies
40. A. Muscarella, V. Galofaro, B. Macri, Messina, Istituto di Patologia Generale e Anatomia Patologica Veterinaria: Pulmonary phospholipids in fetal and adult bovines
41. W. Wouda, J. J. van Nes, Utrecht, Institute of Veterinary Pathology and Small Animal Clinic, State University: Spinal cord infarction due to fibro-cartilaginous emboli in the dog
42. G. Bestetti, Bern und Torino, Institut für Vergleichende Neurologie und Istituto di Patologia Generale e Anatomia Patologica, Facoltà Veterinaria: Light- und electronmicroscopical studies in cerebrocortical necrosis of ruminants
43. G. C. Cravero, F. Valenza, Torino, Istituto di Patologia Generale e Anatomia Patologica, Facoltà Veterinaria: Neuropathology of Aujeszky disease in domestic carnivores
44. F. Guarda, E. Arru, Torino-Sassari, Istituto di Patologia Generale ed Anatomia Patologica, Facoltà di Medicina Veterinaria: Neurological studies in Sardinian sheep
45. M. Finazzi, G. Mandelli, Milano, Istituto di Patologia Generale e Anatomia Patologica di

Medicina Veterinaria: Deposits of oxalate in brain and kidney of fattened calves

46. H. Fiedler, Hannover, Institut für Pathologie der Tierärztlichen Hochschule: Beitrag zur Neuropathologie spontan erkrankter Kälber
47. R. Serbedija, Biberach, Dr. Karl Thomae GmbH, Experimentelle Pathologie: Neurohistological findings in the hypothalamus of rats after application of 6-aminonicotinicacidamid
48. W. Leibold, J. Winkelmann, H. H. Peter, A. S. Hazem, G. Trautwein, L. Cl. Schulz, Hannover, Institut für Pathologie der Tierärztlichen Hochschule: Immunological characterisation of lymphocyte subpopulations in SPF-pigs with chronic progradient erysilepas-polyarthritis
49. G. Hoffmann-Fezer, P. Dörmer, S. Thierfelder, München, Institut für Hämatologie der Gesellschaft für Strahlen- und Umweltforschung: Quantitative determination of the density of lymphocytic membrane antigen in lymphatic organs of the chicken
50. M. Reinacher, Gießen, Institut für Veterinärpathologie der Universität: Immunhistological demonstration of the distribution pattern of pyruvatekinase-isoencymes in the chicken
51. K. Dämmrich, G. Brentano, Berlin, Institut für Veterinärpathologie der Freien Universität: On the pathology of skeletal diseases in large canine breeds
52. N. Pellegrini, F. Pozzo, L. A. Pambianco, Pisa, Istituto di Patologica Generale e Anatomia Patologica Veterinaria, Università di Pisa: Osteopathy in the course of uremic syndrome of the dog
53. B. Romboli, N. Pellegrini, F. Pozzo, L. A. Pambianco, Pisa, Istituto di Patologica Generale e Anatomia Patologica Veterinaria, Università di Pisa: Some cases of mandibular osteodystrophy (rubber jaw) in „Tibetan goats“
54. N. Pellegrini, G. Braca, Pisa, Istituto di Patologica Generale e Anatomia Patologica Veterinaria, Università di Pisa: Diabetic osteopathy in the dog
55. L. Sidoli, R. Rsomini, P. Simoni, Bologna, Istituto di Patologica Generale e Anatomia Patologica Veterinaria, Università di Bologna: Studies on a type of congenital myoclonia in the pig
56. P. G. Bracchi, R. Chizzolini, E. Cabassi, Parma, Istituto di Anatomia Patologica Veterinaria, Università di Parma: Relations between contractility and some biochemical properties of myofibrils
57. E. Cabassi, P. G. Bracchi, R. Chizzolini, E. Maggi, Parma, Istituto di Anatomia Patologica Veterinaria, Università di Parma: Valutazione dell'attività dell'ornitin-carbamyl-transferasi sierica
58. R. Chizzolini, P. G. Bracchi, E. Cabassi, Parma, Istituto di Anatomia Patologica Veterinaria, Università di Parma: On the chemical stability of the intramuscular collagen
59. K. Pfister, U. Freudiger, B. Bilger und G. L. Rossi, Bern, Institut für Tierpathologie der Universität: Histological and electronmicroscopical studies of Langerhans islets in chronic exocrine pancreatic insufficiency of the dog
60. K. D. Richter, M. Clemens, J. O. Jost, K. D. Badura, Münster, Tierexperimentelle Abteilung und Chirurgische Klinik und Poliklinik der Universität: Subtotal prepapillary stenoseis of the Wirsungian ductus in the minipig. An experimental contribution on the pathogenesis of panceratitis
61. F. Guarda, M. Gennaro-Soffietti, M. Galloni, E. Cornaglia, Torino, Istituto di Patologia Generale e Anatomia Patologica, Facolta di Medicina Veterinaria: Thyroid lesions in chickens intoxicated by tin in the first day of life. Light-, scanning- and electronmicroscopical observations and chemical results
62. J. E. van Dijk, J. J. M. de Vijlder, W. F. van Voorthuizen, Utrecht and Amsterdam, Institute of Veterinary Pathology, State University and Pediatric Clinic, Academic Hospital University of

- Amsterdam: Congenital hereditary goitre in goats with abnormal Tg mRNA distribution
63. G. Königsman und P. R Zellner, Batelle-Institut, Frankfurt und Berufsgenossenschaftliche Unfallklinik, Ludwigshafen: Influence of necrotomy of burns on the woundhealing
64. K. Militzer und H. J. Reinhard, Essen und Hannover, Zentrales Tierlaboratorium für Experimentelle Medizin am Universitätsklinikum und Institut für Statistik und Biometrie der Tierärztlichen Hochschule: Histopathological and morphometric findings in rats of known social rank order

European Veterinary Pathological Society

5th Autumn Meeting

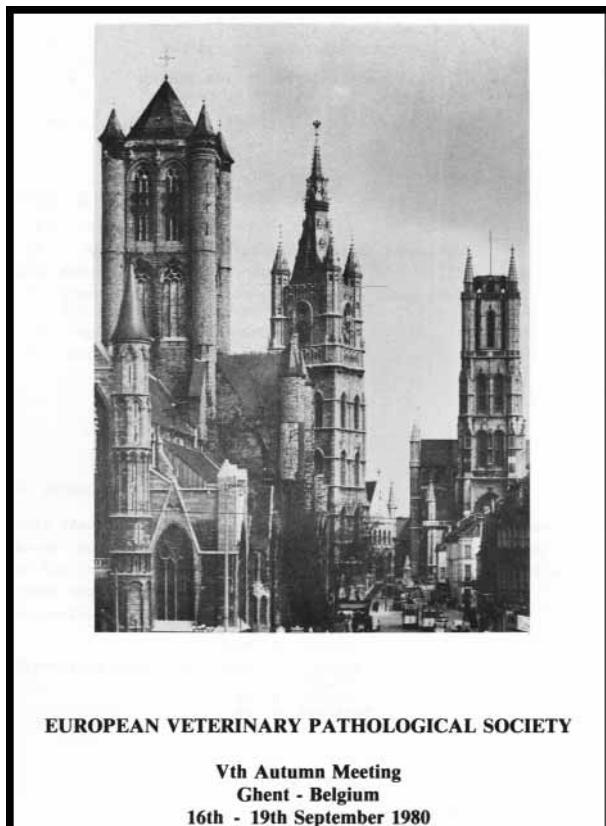
16 – 19 September 1980

Ghent, Belgium

President: G. Mandelli, Milano

Schriftführer: K. Frese, Gießen

Kassenführer: R. Rudolph, Gießen



17.09.80: Communications on Gastro-Intestinal Pathology

Chairman: Dr. Rowland AC, Edinburgh

1. Rowland, A. C., Edinburgh, Department of Veterinary Pathology, Royal (Dick) School of Veterinary Studies: The adenomatosis complex
2. Vandenberghe, J., Hoorens, J., Beerse, Ghent, Janssen Pharmaceutica, Research Laboratoria and Department of Veterinary Pathology, Faculty of Veterinary Medicine: Terminal ileitis and intestinal adenomatosis in pigs and lambs
3. Rahko, T., Kalima, T. V., Saloniemi, H., Helsinki, Department of Pathology, College of Veterinary Medicine: Observation on ileal pathology produced by experimental lymphatic obstruction in the pig
4. Käufer, I., Sobiraj, A., Giessen, Institut für Veterinär Pathologie der Justus-Liebig-Universität: Epithel-assoziierte Bakterien in den Blinddärmen des Huhnes
5. Van der Gaag, I., Utrecht, Institute of Veterinary Pathology, State University: Hypertrophic gastritis in dogs

6. Pospischil, A., Hess, R. G., Bachmann, P. A., München, Institut für Tierpathologie und Institut für Medizinische Mikrobiologie, Infektions- und Seuchenmedizin: Licht- und elektronenoptische Befunde bei natürlicher und experimenteller Infektion von Ferkeln mit Endemischem Diarrhoe Virus (EDV)
7. Coussement, W., Hoorens, J., Ghent, Department of Veterinary Pathology, Faculty of Veterinary Medicine: Histopathology and E. M. of Corona-like virus enteritis in SPF pigs
8. Frese, K., Reinacher, M., Arens, M., Gießen, Institut für Veterinär Pathologie und Institut für Hygiene und Infektionskrankheiten der Tiere der Justus-Liebig-Universität: Parvovirusnachweis bei akuten Magen-Darmerkrankungen des Hundes
9. Hänichen, T., Scharrer, E., München, Institut für Tierpathologie, Lehrstuhl für Allgem. Pathologie und Pathologische Anatomie, Institut für Physiologie, Physiologische Chemie und Ernährungsphysiologie: Autoradiographische Untersuchungen zur Regeneration des Darmepithels bei Virusenteritiden
10. Vandenberghe, J., Ducatelle, R., Debouck, P., Hoorens, J., Beerse, Ghent, Janssen Pharmaceutica, Research Laboratoria, Department of Veterinary Pathology and Laboratory of Virology, Faculty of Veterinary Medicine: Canine gastric spirochetosis
11. Arru, E., Guarda, F., Leoni, A., Pau, S., Galloni, M., Safino, S., Sassari, Torino, Istituto di Inspezione degli alimenti di origine animale, Istituto di Anatomia Patologica Veterinaria: Pathologische Anatomie der Magenparasiten bei freilebenden Sardinischen Wildschweinen
12. Gill, B., Devriese, L., Hoorens, J., Ghent, Departments of Pathology and Bacteriology, Faculty of Veterinary Medicine: Etiopathology of chronic lymphnodes in slaughtered pigs

Communications on Oncology

Chairman: Prof. Dr. Parodi A, Maisons-Alfort

1. Parodi, A., Mialot, M., Maisons-Alfort, Chaire d'Anatomie Pathologique, Ecole Nationale Vétérinaire: On the classification of bovine lymphosarcoma by cyto-immunological technique
2. Misdorp, W., Weijer, K. Hart, A. A. M., Amsterdam, The Netherlands Cancer Institute: Characterisation of feline and canine mammary cancer
3. Schönauer, M., Wien, Institut für Pathologie und Gerichtliche Veterinärmedizin, Veterinär Medizinische Universität: Zum Vorkommen von Mammatumoren bei der Hündin
4. Schäffer, E., Luz, A., Gössner, W., Neuherberg, Gesellschaft für Strahlen- und Umweltforschung, Institut für Biologie, Abteilung für Pathologie: Promotion of 227 Thorium-induced osteosarcoma by lathyric diet
5. von Tscharner, C., Moulton, J., Schneider, R., Bern, Institut für Tierpathologie, Universität Bern and Department of Pathology University of California: Unterschiede in Vorkommen und Lokalisation von Nasentumoren bei Hund und Katze
6. Schmahl, W., Neuherberg, Gesellschaft für Strahlen- und Umweltforschung, Institut für Biologie, Abteilung Nuklearbiologie: Leptomeningeale glioneurale Heterotopien induzieren eine hyperplastische Knochenbildung der Schädelkapsel

Communications on pathology of the hemopoietic- and circulatory system

Chairman: Prof. Dr. Weiss E, Giessen

1. Weisse, I., Herbst, M., Frölke, W., Guenard, J., Ganz, H., Ingelheim (Rh), Abt. für experimentelle

- Pathologie und Toxikologie, Fa. C. H. Boehringer Sohn: Time dependency of the myocardial changes in the beagle following administration of the β -sympathicomimetic Aludrin. I. Correlation of the light-microscopical, laboratory and electrocardiographical finding
2. Herbst, M., Weisse, I., Frölke, W., Guenard, J., Ganz, H., Ingelheim (Rh), Abt. für experimentelle Pathologie und Toxikologie, Fa. C. H. Boehringer Sohn: Time dependency of the myocardial changes in the beagle following administration of the β -sympathicomimetic Aludrin. II. Electron-microscopical appearances correlated to the light-microscopical, laboratory and electrocardiographical findings
 3. Lott-Stolz, G., Zürich, Institut für Veterinärpathologie: Myokardveränderungen bei Katzen
 4. Thiel, W., Detmold, Staatl. Vet. Untersuchungsamt: Myocarditis mit Einschlußkörperchen bei Hundewelpen
 5. van den Ingh, T., Zwart, P., Heldstab, A., Department of Veterinary Pathology, State University, Utrecht, Institut für Tierpathologie, Universität Bern: Veno-occlusive disease (V.O.D.) in cheetahs
 6. Braun-Munzinger, S., Streich, S., Reinacher, M., Gießen, Institut für Veterinär Pathologie der Justus-Liebig-Universität: Immunzytologische Untersuchungen zur Doppelmarkierung von Thrombozyten und Lymphozyten des Huhnes im Blutausstrich

18. 09.80: Communications on neuropathology

Chairman: Prof. Dr. Fankhauser R., Bern

1. Vandevelde, M., Oettli, P., Fatzer, R., Rohr, M., Bern Institut für vergleichende Neurologie: Polyradiculoneuritis beim Hund
2. Hauser, B., Ottli, P., Stünzi, H., Zürich, Institut für Veterinärpathologie und Institut für Experiment. Chirurgie: Spontane Myelopathien beim Hund
3. Pohlenz, J., Eckert, J., Minder, H., Zürich, Institut für Veterinärpathologie und Institut für Parasitologie und Medizinische Klinik: Micronema deletrix-Infektion als Ursache für zentral nervöse Störungen beim Pferd
4. Parodi, A., Mialot, M., Maisons-Alfort, Chaire d'anatomie Pathologique, Ecole Nationale Vétérinaire d'Alfort: Histological lesions in Charolais cattle with enzootic ataxia
5. Fatzer, R., Bern, Institut für vergleichende Neurologie: Granulomatöse Encephalo-Myelitis beim Zicklein in der Schweiz
6. Krinke, G., Basel, Ciba-Geigy AG: Pyridoxine neuropathy
7. Eskens, U., Frese, K., Knecht-Wicke, Gießen, Institut für Veterinär-Pathologie und Institut für Hygiene und Infektionskrankheiten der Tiere: Aujeszky'sche Krankheit bei südamerikanischen Nasenbären (Nasua nasua)

Communications on various topics

Chairman: Prof. Dr. Guarda F., Torino

1. Goedegebuure, S., Häni, H., Poulos, P., Utrecht, Bern, Department of Veterinary Pathology and Department of Veterinary Radiology, State University, Utrecht, Institute of Veterinary Pathology, Bern: Congenital osteopetrosis in two calves and a lamb
2. Dessy-Doize, C., Hanset, R., Ansay, M., Brussels, Chaire de Génétique, faculté de médecine vétérinaire

- rinaire, Université de Liège: Bullous epidermolysis in a calf (case-report)
3. Hanset, R., Leroy, P., Dassy-Doize, C., Brussels, Chaire de Génétique, aculté de médecine vétérinaire, Université de Liège: Nude-athymic syndrome in a calf
 4. Zwart, P., Moraal, W., Utrecht, Institute of Veterinary Pathology, State University: Eisenpigment Zirrhose bei Paradiesvögeln
 5. Kaufmann, A., Berlin, Institut für Veterinär Pathologie der Freien Universität Berlin: Ultrastrukturelle Alterationen und Funktionsstörungen der Leberzellen beim Cushing-Syndrom des Hundes
 6. Badiola Diez, J., Camon Urgel, J., Hidalgo Chapado, J., Zaragoza, Instituto de Anatomia Pathología, Facultad de Veterinaria: Zystenbildungen in der Niere bei Eseln
 7. Naumann, S., Messow, C., Hannover, Institut für Pathologie Abt. für Pathologie der Versuchstiere, Tierärztliche Hochschule: Histologische Veränderungen an der Harderschen Drüse nach retrobulbärer Blutentnahme bei Ratten

Communications on various topics

Chairman: Prof. Dr. Mouwen J, Utrecht

1. Martineou-Doize, B., Martineou, G., de Waele, A., Brussels, Chaire d'anatomie pathologique, Faculté de Médecine vétérinaire, Université de Liège: Histo-morphometric aspects of atrophic rhinitis, preliminary report
2. Loppnow, H., Berlin, Institut für Veterinär Pathologie der Freien Universität: Zur Pathologie der Theileria-lawrencei Infektion des Rindes
3. Ippen, R., Berlin, Abt. Zoo- und Wildtiererkrankung der Forschungsstelle für Wirbeltierforschung, Akademie der Wissenschaften der DDR: Toxoplasmose bei Saiga-Antilopen
4. Koeman, J., P., Utrecht, Institute of Veterinary Pathology, State University: Histopathological and immunological aspects of feline infectious peritonitis
5. Korn, G., Mattheaus, W., Tübingen, Bundesforschungsanstalt für Viruskrankheiten der Tiere: Einfluß von organspezifischen Protease-Inhibitoren auf die Vermehrung des Schweinpestvirus in PK 15 Zellen
6. Ducatelle, R., Hoorens, H. Ghent, Dept. of Vet. Pathology, State University: Canine distemper antigen detection in paraffin sections using the unlabelled antibody enzyme method (P.A.P.)
7. Gill, B., Coussement, W., Ducatelle, R., Ghent, Dept. of Vet. Pathology, State University: Malacoplakia like lesion in the lymph node of a pig

European Veterinary Pathology Society
6th Autumn Meeting

15 – 18 September 1982

Maisons-Alfort, Frankreich

President: K. Dämmrich, Berlin
Secretary: W. Drommer, Hannover
Treasurer: R. Müller-Peddinghaus,
Hannover

société européenne d'anatomie pathologique vétérinaire
european veterinary pathology society

6^e congrès d'automne 6th autumn meeting



école nationale vétérinaire d'alfort

15–18 septembre 1982 september 15–18th 1982

16 . 09.82:

Cardiovascular Pathology

Chairmen: H. Stünzi (Zürich), W. Drommer (Hannover)

1. M. Suter, D. Palmer, H. Hofstetter, Institut für Veterinärpathologie, Universität Zürich: Morphological and immunopathological aspects of intestinal lymphangiectasia in dogs
2. H. Luginbühl, A. Tontis, H. König, H. Martig, P. Tschudi, Institute of Animal Pathology and Large Animal Clinic, Faculty of Veterinary Medicine, University of Berne: Cardiomyopathy in cattle
3. P. Schneider, Ch. Hohbach, W. Diederer, Dr. Karl Thomae GmbH, Abt. Exp. Pathologie, Biberach: Hemodynamically induced mitral valve alterations in Beagle-dogs
4. M. Gautier, R. N. Hugon, R. Sesboue, J. P. Martin, Unité de Recherche d'Hépatologie Infantile, Hopital de Bicetre: Round heart disease in turkeys. Histological changes in the heart and liver
5. R. Sesboue, J. P. Martin, Bois-Guillaume, Chemin de la Bretèque: Biochemical study of the serum inhibitors of trypsin in turkeys
6. J. H. Vos, L. A. van Leengoed, P. R. Rondhuis, H. Nederbragt, H. Meulenar, E. Gruys, Department of Veterinary Pathology, University of Utrecht: Hepatic congestion and myocarditis in stillborn and young piglets

Neuropathology and Pathology of the Musculoskeletal System

Chairmen: L. Cl. Schulz (Hannover), J. T Doyne (Weybridge)

7. E. Gonzales-Denguez, A. L. Parodi, J. Esinasse, Service d'Anatomie Pathologique et de Pathologie du Bétail, Ecole Vétérinaire d'Alfort: Pathological study of the skeleton of bovines affected with

the „hyena disease“

8. P. Ossent, F. Mettler, Institut für Veterinärpathologie, Universität Zürich: Retained cartilage in the ulnar metaphysis with deformation of the forelegs in two litters of captive wolves
9. R. Bader, Institut für Veterinärpathologie der Universität Berlin: A study of the skeletal musculature in wild and domestic swine
10. J. T. Done, J. Woolley, D. H. Upcott, Pathology Department, Maff Central Veterinary Laboratory, Weybridge: Morphometric pathology of the spinal cord in porcine congenital tremor type A I
11. W. Wouda, G J. Binkhorst, J. J. van Nes, Institute of Veterinary Pathology/Clinic of Large Animal Medicine/Small Animal Clinic, University of Utrecht: Swayback in goats
12. K. Frese, O. Narayan, S. Herzog, L. Ojok, Institute für Veterinär-Pathologie und Virologie, Universität Gießen, Department of Neurology, School of Medicine, University Baltimore: Pathogenesis of Borna disease in the rat. Age dependence of lesions and the effect of immunosuppression on the development of the disease. I. Histopathology of brain lesions
13. L. Ojok, O.. Narayan, S. Herzog, K. Frese, Institute für Veterinär-Pathologie und Virologie, Universität Gießen, Department of Neurology, School of Medicine, University Baltimore: Pathogenesis of Borna disease in the rat. Age dependence of lesions and the effect of immuno suppression on the development of the disease. II. Histopathology of eye lesions

Pathology of the Digestive System

Chairmen: J. Hoorens (Gent), K. Dämmrich (Berlin)

14. R. Ducatelle, W. Coussemant, J. Hoorens, Faculty of Veterinary Medicine, University of Gent: Ultrastructural cytochemistry and enzyme cytochemistry of lysosomes in intestinal epithelial cells infected with CV 777 coronavirus
15. A. Pospischil, M. T. Stiglmair, R. G. Hess, P. A. Bachmann, Institut für Tierpathologie der Universität München: Morphological- and enzyme histochemical data of ileal dome epithelium in calves experimentally infected with rotavirus
16. M. T. Stiglmair, A. Pospischil, R. G. Hess, P. A. Bachmann, Institut für Tierpathologie der Universität München: Enzyme histochemical study of the intestine from rotavirus-infected calves
17. W. Coussemant, R. Ducatelle, L. Okerman, C. Miry, Department of Veterinary Pathology, Faculty of Veterinary Medicine, University of Gent: Pathology of intestinal colibacillosis in rabbits
18. I. van der Gaag, Institute of Veterinary Pathology, University of Utrecht: A morphological study of gastric- and proximal small intestinal biopsies in 19 clinically healthy dogs and 111 dogs with symptoms of (upper) gastrointestinal disease and hyper-, hypo-, and normogastric acid secretion
19. A. C. Rowland, M. La Regina, G. H. K. Lawson, L. Roberts, Veterinary Field Station, University of Edinburgh: Porcine Intestinal Adenomatosis and Atypical Ileal Hyperplasia of Hamsters
20. J. Vandenberghe, A. Verheyen, S. Lauwers, Janssen Pharmaceutica, Beerce, Academic Hospital Y. U. B., Brüssel: Spontaneous adenocarcinomas of the ascending colon in Wistar rats
21. R. W. Else, Department of Veterinary Pathology, Royal (Dick) School of Veterinary Studies, Summerhall, Edinburgh: Brown Bowel Syndrome in the Dog
22. P. S. Marcato, C. Benazzi, Instituto di Patologia Generale e Anatomia Patologica Veterinaria, Bologna: Abomasitis erosiva et ulcerosa in adult beef cattle

Oncology

Chairmen: A.-L. Parodi (Alfort), S. Ueberschär (Hannover)

23. M. Miranda de Estrada, A. L. Parodi, Service d'Anatomie Pathologique, Ecole Nationale Vétérinaire d'Alfort: Retrospective study of epithelial tumors of the gastrointestinal tract in dogs
24. A.-L. Parodi, G. Colas, Laboratoire d'Anatomie Pathologique, Ecole Nationale Vétérinaire d'Alfort: A case of multilobular osteoma in the dog
25. J. Weikel, Tiergesundheitsdienst Bayern e. V. Grub: Fibrosarcomas in the subcutis of laying hens
26. M. Schönbauer, A. Schönbauer-Längle, Institut für Pathologie und Gerichtliche Veterinärmedizin, Veterinärmedizinische Universität Wien: Occurrence of comedocarcinoma in the cat
27. G. Krinke, Basel, Ciba-Geigy AG: Naturally occurring brain tumors in the laboratory rat
28. A. Schönbauer-Längle, M. Schönbauer, Institut für Pathologie und Gerichtliche Veterinärmedizin, Veterinärmedizinische Universität Wien: Seminomas in horses in Austria
29. M. Mialot, M. Hurtrel, A.-L. Parodi, J. P. Mialot, Service d'Anatomie Pathologique et la Pathologie de la Reproduction, Ecole Nationale Vétérinaire d'Alfort: Histopathological study of regional lymph nodes in spontaneous mammary tumors, after the injection of BCG and C. Parvum into the tumor

17.09.82:

Toxicology and Pathology of Laboratory Animals

Chairmen: H. Lunginbühl (Bern), A. Jover (Cordoba)

30. G. Braca, O. Catarsini, V. Galofaro, B. Macri, F. Meli, A. Muscarella, A. Richetti, Istituto di Patologia Generale e Anatomia Patologica, Istituto di Patologia Speciale e Clinica Medica, Università di Messina: Gross and histopathological observations in cattle after intoxication with Gladiolus segetum
31. P. Duprat, G. Durand-Cavagna, M. Clair, Ph. Conquet, Laboratoires Merck Sharp et Dohme-Chibret, Riom: Acetaminophen-induced changes in rat salivary glands
32. M. Rosenbruch, W. Drommer, F. J. Kaup, Institut für Pathologie, Tierärztliche Hochschule Hannover: Ultrastructural glomerular alterations in experimental neurotoxin-shock in rats
33. J. J. Badiola, A. B. Thiermann, N. Cheville, Departamento de Histología y Anatomía Patológica, Facultad de Veterinaria, Zaragoza, National Animal Disease Center, USDA, Ames: Pathology of leptospirosis in hamsters caused by Leptospira hardjo and Leptospira szwajizak
34. F.-J. Kaup, S. Naumann, I. Kunstyr, J. Maes, W. Drommer, Institut für Pathologie, Tierärztliche Hochschule Hannover, Institut für Versuchstierkunde, Medizinische Hochschule Hannover: Experimental virus pneumonitis with intranuclear inclusion bodies in guinea pigs. An ultrastructural study
35. L. Ojok, Institut für Veterinär Pathologie Universität Gießen: Electron microscopical findings in bone marrow and spleen of Mastomys natalensis experimentally infected with Trypanosoma congolense
36. M. H. M. Kuipers, W. de Jong, Unilever Research Laboratorium, Rudolf Magnus Institute for Pharmacology, Utrecht: Spontaneous hypertension in the fawn-hooded rat

Endocrinology and pathology of the respiratory system

Chairmen: J. M. Mouwen (Utrecht), G. Trautwein (Hannover)

37. A. Jover, A. Blanco, A. Gazquez, M. A. Sierra, A. Bernabe, A. Ruiz, Departamento de Histologia y Anatomia Patologica, Facultad de Veterinaria, Universidad de Cordoba: Changes in pituitary, adrenal and thyroid of Wistar rats after treatment with oestradiol and trenbolon acetate
38. A. Blanco, A. Gazquez, A. Mendez, M. A. Sierra, E. Mozos, Departamento de Histologia y Anatomia Patologica, Facultad de Veterinaria, Universidad de Cordoba: Quantitative changes in pituitary cells, adrenals and thyroids in Wistar rats after treatment with trenbolon acetate and oestradiol
39. A. Ruiz, A. Blanco, A. Gazquez, M. A. Sierra, A. Mendez, E. Mozos, A. Bernabe, Departamento de Histologia y Anatomia Patologica, Facultad de Veterinaria, Universidad de Cordoba: Formation, morphology and function of synaptic lamella of pinealocytes of rats after treatment with oestradiol
40. J. E. van Dijk, J.J. M. de Vijlder, A. M. van Ederen, Department of Veterinary Pathology, University of Utrecht: Hereditary congenital goitre and hypothyreoidism in goats. Origin, fate and diagnostic significance of abnormal iodoproteins in thyroids and blood
41. A. Gazquez, A. Blanco, M. A. Sierra, A. Jover, A. Ruiz, T. Moyano, Departamento de Histologia y Anatomia Patologica, Facultad de Veterinaria, Universidad de Cordoba: Origin, morphology and morphometry of corpus luteum cells and relaxin producing cells in Wistar rats
42. M. Reinacher, J. Bonin, C. Scholtissek, Institut für Veterinär Pathologie, Institut für Virologie, Universität Gießen: Immunohistological demonstration of influenza virus in mice infected with neurotropic influenza virus recombinants
43. T. S. G. A. M. van den Ingh, J. Verhoeff, E. G. Hartmann, A. P. K. M I. van Nieuwstadt, Department of Veterinary Pathology, Herd Health Department and Ambulatory Clinic, Department of Veterinary Bacteriology, Faculty of Veterinary Medicine, University of Utrecht, Central Veterinary Institute, Virology Department Lelystad: Pathological observations on spontaneous bovine respiratory syncytial virus infections in calves
44. S. Überschär, B. de Gritz, A. Schuer, L. Niebuhr, K. Waechter, Institut für Pathologie, Tierärztliche Hochschule Hannover: Pathogenesis of porcine atrophic rhinitis. Transmission and scanning electron microscopic investigation of experimental infected piglets

Avian and wild animals Pathology

Chairmen: F. Guarda (Torino), M. Wyers (Nantes)

45. T. Rahko, H. Korpela, R. Pohjanvirta, M. Karring, Department of Pathology, College of Veterinary Medicine, Helsinki: Etiological aspects of avian gout
46. I. Käufer, S. Ries, E. Weiss, Institut für Veterinärpathologie, Universität Gießen: Phagocytic capacity of chicken thrombocytes
47. B. Leblanc, M. Lagadic, M. Wyers, Y. le Turduin, P. Drouin, Service d'Anatomie Pathologique, Ecole Nationale Vétérinaire de Nantes: Classification of histopathological changes in the bursa fabricius observed in an epidemiological study. Relationship to Gumboro disease
48. E. Burkhardt, W. Scheffel, Institut für Veterinärpathologie, Universität Gießen: Enrichment of chicken peripheral blood B-lymphocytes by preparative free-flow electrophoresis
49. G. Plassiart, M. Wyers, B. Leblanc, M. Lagadic, Service d'Anatomie Pathologique, Ecole

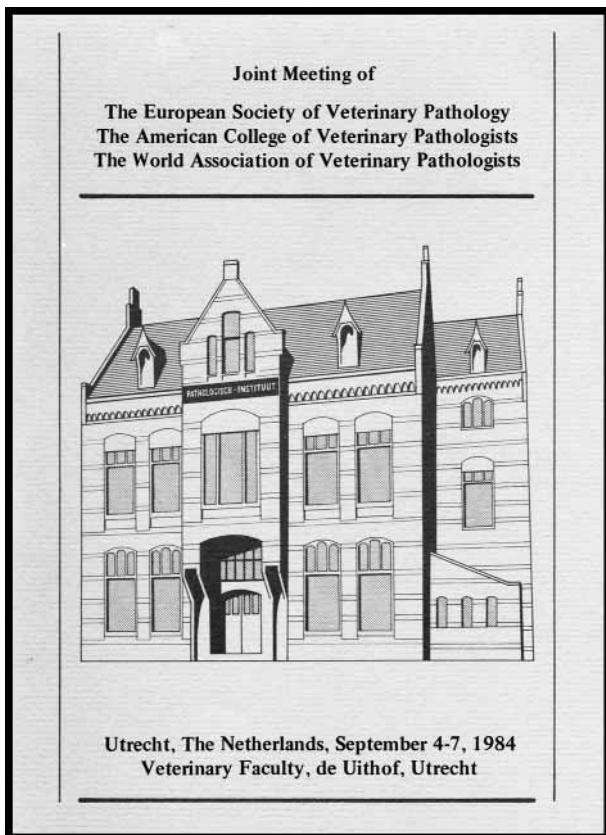
Nationale Vétérinaire de Nantes: Study of a fatty liver syndrome in laying hens

50. G. Bernier, M. Morin, G. Marsolais, Laboratoire de Pathologie animale, Département de Pathologie et de Microbiologie, Institut Armand Frappier, Québec: A generalized inclusion body disease in the Budgerigar (*Melopsittacus undulatus*) caused by a papovavirus like agent
51. J. Brugere-Picoux, Chaire de Pathologie médicale du Bétail et des animeaux de basse-cour, Ecole Nationale Vétérinaire de Lyon: Histological studies in a reservation of large wild animals
52. R. Ippen, Akademie der Wissenschaften der DDR, Forschungsstelle für Wirbeltierforschung im Tierpark, Berlin: A contribution to the conioses in zoo and wild animals

Various Topics

Chairmen: E. Weiss (Gießen), R. Rudolph (Berlin)

53. A. H. Cheema, Department of Pathology, College of Veterinary Medicine and Animal Resources, King Faysal University, Al-Hasa: Experimental cholecystitis in goats caused by *fasciola gigantica*
54. G. Trautwein, W. Drommer, M. Stöber, Tierärztliche Hochschule Hannover, Institut für Pathologie: Pathology of dermatosparaxis in cattle
55. A. Waldvogel, M. Engels, Institut für Veterinärpathologie, Universität Zürich: Caprine herpes viruses: experimental confirmation of the pathogenicity for young goats
56. R. W. Else, Department of Veterinary Pathology, Royal (Dick) School of Veterinary Studies, Summerhall, Edinburgh: Diagnostic cytology in the dog and cat
57. J. P. Koeman, W. E. Bernadina, W. J. Biewenga, E. Gruys, Department of Veterinary Pathology, Department of Veterinary Immunology and Small Animal Clinic, Faculty of Veterinary Medicine, University Utrecht: Glomerulopathy in the dog, pathology and preliminary elution studies
58. F. Valenza, F. Guarda, S. Pau, B. Biolatti, Istituto di Patologia Generale e Anatomia Patologica Aviare, Facoltà di Medicina Veterinaria, Torino: A contribution to the pathology of the female reproductive tract
59. W. Hermanns, P. Rojem, J. Marquardt, L. Cl. Schulz, Tierärztliche Hochschule Hannover, Institut für Pathologie: Reo virus infection of chicken, a model of virus-induced chronic polyarthritis



Joint Meeting of
The European Society of Veterinary Pathology
The American College of Veterinary
Pathologists
The Wolrd Association of Veterinary patholo-
gists

4 - 7 September 1984

Utrecht, The Netherlands

President: K. Frese, Gießen
Secretary: W. Drommer, Hannover
Treasurer: R. Müller-Peddinghaus,
Hannover

05.09.84: Cancer:

1. W. Misdorp, Dept. of Pathology, Netherlands Cancer Inst., Amsterdam, The Netherlands: The veterinary pathologist in cancer research
2. B. Lium, L. Moe, Dept. of Pathology and Dept. of Obstetrics, Norwegian College of Veterinary Medicine, Oslo, Norway: Hereditary multifocal renal cystadenocarcinomas and generalized nodular dermatofibrosis in the German Shepherd dog
3. A. Nilsson, I. Haraldsson, Dept. of Pathology, Faculty of Veterinary Medicine, Uppsala, Sweden: The influence of sex and genetic background on the cancerogenicity of 90Sr in mice
4. J. Vandenberghe, H. van Cauteren, V. Herin, R. Marboom, Lab. of Pathology and Toxicology, Janssen Pharmaceutica, Beerse, Belgium: The effects of permanent celibacy, permanent cohabitation with pregnancy and lactation in long-term studies in mice
5. Th. A. M. Elsinghorst, H. J. F. Timmermans, H. G. Ch. J. M. Hendriks, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: Hormonal aspects of endometrial carcinomas in rabbits
6. H. van Cauteren, J. Vandenberghe, J. Fransen, R. Marsboom, Lab. of Pathology and Toxicology, Janssen Pharmaceutica, Beerse, Belgium: Diethylnitrosamine-initiation study of hepatocarcinogenesis in Albino Swiss mice
7. K. Perk, I. Hod, S. G. Irving, School of Veterinary Medicine and Dept. of Animal Science, Hebrew University, Rehovot, Israel: Comparative pathogenesis of maedi – visna, caprine arthritis encephalitis and sheep pulmonary carcinoma
8. M. de Estrada, A.-L. Parodi, Lab. d'Anatomie Pathologique, Ecole Nationale Vétérinaire, Alfort, France: Etude rétrospective de 70 cas de tumeurs mammaires de la chienne. Révision du diagnostic histologique et comparaison de differents critères de classification en vue de l'établisse

ment du prognostic

9. P. S. Marcato, Instituto di Patologia Generale e Anatomia Patologica veterinaria, Università degli Studi di Bologna, Bologna, Italy: Swine leukosis in Italy
10. A.-L. Parodi, F. Dargent, F. Crespeau, Lab. d'Anatomie Pathologique, Ecole Nationale Vétérinaire, Alfort, France: Application de la classification de Kiel des lymphomes malins de l'homme, au lymphosarcome du chien
11. J. T. McGrath, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, U. S. A.: Meningiomas in the dog
12. Th. Bilzer, E. Dahme, D. Stavrou, Inst. of Veterinary Pathology, University of Munich, F. R. G.: Antigen expression in canine CNS-tumours - an immunocytochemical study
13. E. Dahme, Th. Bilzer, D. Stavrou, Inst. of Veterinary Pathology, University of Munich, F. R. G.: Classification of canine PNS-tumours based on EM- and PAP-techniques
14. R. Ippen, G. P. Wildner, R. Krylowa, Forschungsstelle für Wirbeltierforschung (im Tierpark Berlin), Berlin, DDR: Ein Beitrag zur Pathologie der Tumoren des Verdauungstraktes bei Zoo- und Wildtieren
15. G. H. A. Borst, G. H. M. Counotte, Service Center, Zwolle, The Netherlands: Clinical usefulness of measuring serum lysozyme activity in dogs with neoplastic diseases
16. G. Braca, V. Galofaro, B. Macri, A. Muscarella, M. Arispici, A. Poli, Veterinary Faculty, Pisa-Messina, Italy: Uncommon anatomo-histopathological findings of Leishmaniasis in a leucotic dog under immunosuppressive therapy

Alimentary System:

17. J. M. V. M. Mouwen, J. E. van Dijk, J. F. J. G. Koninkx, H. J. A. Egberts, E. C. B. M. de Groot, I. van der Gaag, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: Biology and pathobiology of the small intestinal mucosal barrier
18. C. D. Buergelt, Dept. of Comparative and Experimental Pathology, College of Veterinary Medicine, Gainesville, Florida, U. S. A.: Gastric ulcers in foals
19. I. van der Gaag, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: The pathology of gastric biopsies in dogs
20. R. Delasorne, E. J. Dial, L. M. Lichtenberger, Dept. of Physiology and Cell Biology, University of Texas Medical School, Houston, U. S. A.: Gastrointestinal (GI) hyperplastic changes due to *Taenia taeniiformis* (TTF) hepatic cysticercosis in the rat: possible importance of globular leukocytes
21. G. A. Hall, D. J. Reynolds, Inst. for Resarch on Animal Diseases, Compton, Newbury, Berkshire, England: The intestinal pathology of clinically normal Rotavirus-infected calves
22. J. F. L. Pohlenz, G. N. Woode, A. F. Jungk-Apple, Dept. of Veterinary Pathology and Dept. of Veterinary Microbiology, Iowa State University, Ames, Iowa, U. S. A.: Morphologic lesions in intestinal mucosa of gnotobiotic calves experimentally infected with mixed infections of 'Breda'-virus, Astro-virus and Cryptosporidium
23. G. M. Dorresteijn, M. H. van der Hage, J. L. Cornelissen, Institute of Veterinary Pathology and Dept. of Bacteriology, State University, Utrecht, The Netherlands: Campylobacter infections in cage birds - clinical, pathological and bacteriological aspects

24. R. J. Lysons, E. P. Nelson, M. R. Burrows, Inst. for Research on Animal Diseases, Compton, Newbury, Berkshire, England and Larkmead Veterinary Group, Ingles Lane, Cholsey, Oxon, England: Large bowel pathology in a scouring syndrome of fattening pigs
25. R. Lindberg, B. Jones, S. G. B. Persson, K. Thoren-Tolling, Dept. of Pathology, Clinical Chemistry and Medicine I, Faculty of Veterinary Medicine, Uppsala, Sweden: Morphological and clinical features of equine granulomatous enteritis and equine eosinophilic granulomatosis
26. A. Blanco, A. Bernabe, E. Mozos, M. A. Sierrra, A. Fernandez, Departamento de Histologia y Anatomia Patologica, Facultad de Veterinaria, Cordoba, Spain: Die experimentellen Verletzungen bei Schweinelebern durch Afrikanische Schweinepest
27. T. S. G. A .M. van den Ingh, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: Inherited copper toxicosis in the Bedlington terrier
28. M. H. van der Hage, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: Pancreatitis in association with Paramyxovirus III in some aviary birds (Neofemas and Passeriformes)

Respiratory System

29. J. Weikel, Tiergesundheitsdienst Bayern e. V., Grub, F. R. G.: Lesions in cattle naturally infected with infectious bovine rhinotracheitis-virus and bovine virusdiarrhea
30. F. Elling, K. B. Pedersen, Dept. of Pathology, University of Copenhagen and State Veterinary Serum Laboratory, Copenhagen, Denmark: The aetiology and pathogenesis of atrophic rhinitis in pigs
31. S. Ueberschär A. Schuer, L. Niebuhr, K. Waechter, Institut für Pathologie, Tierärztliche Hochschule, Hannover, F. R. G.: Pathogenesis of porcine atrophic rhinitis
32. R. Ducatelle, D. Palmer, P. Ossent, J. Hoorens, Dept. of Veterinary Pathology, University of Ghent, Belgium and Dept. of Veterinary Pathology, University of Zürich, Switzerland: Etiopathology of Adenovirus pneumonia in dogs: an immuno-peroxidase study

Locomotor System

33. A.-L. Parodi, E. Gonzalez-Denguez, J. Castanet, A. de Ricqes, Lab. d'Anatomie Pathologique, Ecole Nationale Vétérinaire, Alfort and Lab. d'Anatomie comparée, Faculté des Sciences, Université de Paris VII, France: Etude dynamique de l'ossification primaire enchondrale chez les bovins atteints de la 'Maladie de la Hyène'
34. H. A. W. Hazewinkel, S. A. Goedegebuure, P. W. Poulos, Small Animal Clinic, Inst. of Veterinary Pathology, State University, Utrecht, The Netherlands and College of Veterinary Medicine, Radiology Section, Gainesville, Florida, U. S. A.: Influences of chronic calcium excess on skeletal development of growing Great Danes. I. Clinical and metabolic findings
35. S. A. Goedegebuure, H. A. W. Hazewinkel, Small Animal Clinic, Inst. of Veterinary Pathology, State University, Utrecht, The Netherlands: Influences of chronic calcium excess on skeletal development of growing Great Danes. II. Histopathological and histomorphometrical findings
36. A. Basse, D. H. Nielsen, P. T. Jensen, Dept. of Pathology and Dept. of Radiology, University of Copenhagen and State Veterinary Serum Laboratory, Copenhagen, Denmark: The pathology of scurvy in pigs with congenital ascorbic acid deficiency, probable inheritable
37. B. Hauser, M. Suter, P. Wild, B. Keene, Inst. für Veterinärpathologie, Zürich, Switzerland:

Chronische diffuse lymphozytäre Leiomyositis bei 3 Hunden

38. R. Bradley, M. Jeffrey, D. T. O'Toole, D. Upcott, Dept. of Pathology, Central Veterinary Laboratory, New Haw, Weybridge, England: Excessive numbers of Sarcocystis in ovine cardiac and skeletal musculature
39. R. Bader, R. Ernst, W. Kraus, Inst. für Veterinär-Pathologie der Freien Universität, Berlin, F. R. G.: Histologische Untersuchungen an der Skelettmuskulatur von Schlachtschweinen nach Halothanbelastung und Bestimmung der Creatinkinase-Aktivität im Blutplasma
40. H. Winter, V. Cubillos, Dept. of Veterinary Pathology and Public Health, University of Queensland, St. Lucia, Brisbane, Australia: Light and electron microscopic changes of the thyroid in pigs with pale, soft exudative meat (P. S. E.)

Miscellaneous:

41. W. Wouda, J. J van Nes, Inst. of Veterinary Pathology and Small Animal Clinic, State University, Utrecht, The Netherlands: A demyelinating disease of the central nervous system in Rottweiler dogs
42. I. Bjerkas, Dept. of Pathology, Norwegian College of Veterinary Medicine, Oslo, Norway: Encephalomyelitis and myositis caused by an unidentified cyst forming Sporozoan in dogs
43. L. Cl. Schulz, W. Hermanns, U. Schäning, Inst. of Pathology, School of Veterinary Medicine, Hannover, F. R. G.: Deposition of particles in the mononuclear phagocyte system and in the border-line tissue
44. J. S. van der Linde-Sipman, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: Morphogenesis of persistent hyperplastic tunica vasculosa lentis (P. H. T. V. L.) and persistent hyperplastic primary vitreous (P. H. P. V) in the Dobermann Pincher
45. H. Loppnow, A.-T. Mahrous, D. Kabisch, E. Lettow, U. Arnold, Inst. für Veterinär-Pathologie und Klinik und Poliklinik für kleine Haustiere, Berlin, F. R. G.: Pancreatic lesions in 3 dogs with juvenile diabetes mellitus
46. T. A. Gruber, A. A. Seawright, J. C. Ng, H. Winter, Dept. of Veterinary Pathology and Public Health, University of Queensland, St. Lucia, Brisbane, Australia: Methylmercurialism in cats fed on a diet of shark flesh
47. A. Pospischil, H. Krampitz, W. Kraft, G. Weiland, Inst. für Tierpathologie, Inst. für vergleichende Parasitologie und I. Medizinische Tierklinik der Tierärztlichen Fakultät der Universität München, München, F. R. G.: Experimental leishmaniasis in dogs

Laboratory Animals:

48. R. Kroes, V. J. Feron, National Inst. of Public Health and Environmental Hygiene, Bilthoven, and Inst. CIVO, Toxicology and Nutrition, Zeist, The Netherlands: Laboratory animal pathology as a science and as a tool
49. J. H. Harleman, F. J. C. Roe, G. K. Salmon, Smith Kline & French Research Limited, The Frythe, Welwyn, Hertfordshire, England: Life span and spontaneous lesions in rats. The effects of ad libitum versus controlled feeding
50. J. W. M. A. Mullink, Centraal Proefdierenbedrijf T. N. O., Zeist, The Netherlands: Some diet-related differences in pathology in aging Cpb:WU rats

51. R. A. Owen, R. Heywood, Merck, Sharp & Dohme-Chibret, Centre de Recherche, Riom, France and Huntingdon Research Center, England: Age-related alterations in renal structure and function in Sprague-Dawley rats
52. H. Nederbragt, Institute of Veterinary Pathology, State University, Utrecht, The Netherlands: Copper toxicity in rats: sex-related differences in response to a high dose of intravenously administered Cu
53. W. Hermanns, L. Cl. Schulz, Inst. of Pathology, School o Veterinary Medicine, Hannover, F. R. G.: Intra-articular distribution of antigen in the course of chronic erysipelas arthritis in rats
54. G. V. Alexeef, W. W. Kilgore, P. Munoz, D. A. Watt, University of California, Davis, California, U. S. A. and University of Queensland, St. Lucia, Queensland, Australia: Studies on inhalation of methylbromide in experimental mice
55. P. Duprat, M. Clair, Ph. Conquet, Merck, Sharp & Dohme-Chibret, Centre de Recherche, Riom, France: Acetaminophen toxicity in Cynomolgus monkeys
56. L. Jonsson, Dept. of Pathology, Faculty of Veterinary Medicine, Uppsala, Sweden: Pathologic features of daunorubicin cardiotoxicity in rabbits
57. R. G. Arora, Dept. of Pathology, Faculty of Veterinary Medicine, Uppsala, Sweden: Morphogenesis of neural tube closure defects induced by ochratoxin A
58. P. Wester, H. C. Canton. National Inst. of Public Health and Environmental Hygiene, Bilthoven, The Netherlands: The use of histopathology in toxicity testing with small fish species
59. Ch. Labie, Dept. Hygiene et Industrie des Denrées alimentaires, Ecole National Vétérinaire, Toulouse, France: Lésions de 'péliose' hépatique chez le rat

Kidney

60. D. F. Kelly, C. J. Gaskell, A. S. Nash, Dept. of Veterinary, University of Liverpool, Liverpool, England: Progressive renal disease in soft-coated Wheaten terriers - possible familial nephropathy
61. P. Fehlmann, F. Ehrensperger, Inst. für Veterinärpathologie der Universität Zürich, Switzerland: Morphologische, immunhistologische und elektronenmikroskopische Befunde an Nierenglomerula von Schlachtschweinen mit Berücksichtigung serologischer Untersuchungen
62. A. Gazques, A. Mendez, A. Jover, T. Moyano, Departamento de Histologia y Anatomia Patologica, Facultad de Veterinaria, Cordoba, Spain: Die experimentellen Verletzungen bei Schweinenieren durch Afrikanische Pest

Circulatory System

63. M. J. Ulvund, L. Overas and H. Waldeand, State Veterinary Research Station for Small Ruminants, Sandnes, Norway: Polyvasculitis in lambs from the South-Western part of Norway. A short survey of clinical symptoms, hematology and pathology
64. C. Perotez, Dept. de Recherche Toxicologique, L. E. R. S./Synthelabo, Meudon la Foret, France: Arteritis in young beagle dogs
65. P. Zwart, Inst. of Veterinary Pathology, State University, Utrecht, The Netherlands: Lymphangitis due to urate deposits in reptiles

Joint Meeting of
The European Society of Veterinary Pathology
The American College of Veterinary
Pathologists
The World Association of Veterinary patholo-
gists

17th – 20th September 1986

Cordoba, Spain

President: W. Drommer, Hannover
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Treasurer: F. Hartig, Mannheim



18.09.86

Chairmen: E. Weis and A. Gázquez

1. E. Dahme*, E. Kaiser*, W. Feiden**, L. Gerhard**, A. Wandeler****, B. Gylstorff***, *Inst. of Vet. Pathol. Munich FRG, ** Inst Neuropath. Essen, FRG, ****Vet.-Bact. Bern, Switzerland, ***Vet. Res. Inst., Aulendorf, FRG-Germany: Distribution of rabies ribonucleoprotein in animal and human CNS: a comparative immunohistochemical study
2. M. Domingo, J. Ramos, L. Ferrer, A. Marco, M. Pumarola, Dept. Histol. Anat. Pat., Barcelona, Spain: Demonstration of Listeria monocytogenes with PAP technique in formalin fixed and paraffin embedded tissues of experimental infected mice
3. J. A. Ramos*, M. Domingo*, L. Domínguez**, J. A. Vázquez**, A. Marco*, L. Ferrer*, *Dept. Histol. Anat. Pat., Barcelona, ** Dept. Microbiol. Vet., Madrid, Spain: Natural infection of chicken by microorganisms of genus Listeria: a pathological and immunohistological study
4. Ch. Kompter, J. Morales, K. Frese, S. Herzog, R. Rott, Inst. Vet. Path. and Inst. Virolog. Giessen, FRG-Germany: Different manifestation of borna disease in the rat after intracerebral and intra-nasal infection
5. G. Braca, G. Renzoni, E. Taccini, P. Agrimi, R. Legrottaglie, F. Tolari, Dipart. di Pat. Animale, Profilassi ed Igiene Alimentari, Pisa, Italy: Studies on caprine arthritis encephalitis (CAE) syndrome
6. G. Krinke, A. Krinke, K. Heider, Ciba-Geigy AG, Basel, Switzerland: The cellularity of peripheral nerves as an indicator of toxic neuropathy
7. W. Baumgärtner*, S. Krakowka**, *Inst. Vet. Pathol., Giessen, FRG-Germany, **Dept. Vet. Path., Columbus, USA: Neuropathogenicity of canine influenza virus in dogs and ferrets
8. F. Elling, K. B. Pedersen, N. T. Foges, Pathol. Anatomy, Copenhagen, Denmark: Osteoclastic

bone resorption induced by a *Pasteurella multocida* produced protein

9. S. M. Sokkar, M. A. Mohamed and H. Fetaih, Fac. of Vet. Med., Cairo, Egypt: Pathogenesis of *Pasteurella multocida* in experimentally infected rabbits
10. P. S. Marcato, A. Gentile, L. della Salda, Inst. Pat. Gen. & Anat. Pat. Vet., Bologna, Italy: Bronchiectasis in bovine lungs. Histological and histochemical alterations
11. J. M. González Rodríguez*, D. S. Díaz-Bustamante**, I. Munuera Echave**, *Dept. Farmacol. Y. Toxicol, **Dept. Histol. Anat. pat., Córdoba, Spain: 3-Hydroxymethylindole toxicity in mice: pulmonary and hepatic lesions
12. F. Valenza, F. Guarda, M. Gula, R. Castagneri, Dip. di Pat. Animale, Torino, Italy: A contribution to the study of pulmonary slow virus infections in sheep.

Chairmen: A. L. Parodi and M A. Sierra

13. E. Burkhardt, Inst. Vet. Pat. Giessen, FRG-Germany: In vitro infection of bursal cells, PHA-stimulated lymphoblasts and blood monocytes by the infectious bursal disease virus (IBDV)
14. I. Minguez, J. Domínguez, A. Rueda and J. M. Sánchez-Vizcino, I. N. I. A., Dept. de Virol. Animal., Madrid, Spain: ASF virus action on different cellular populations of the lymphoid organs
15. S. Prats, R. Jiménez-Castellanos, R. Fernández-Alvarez, R. González, A. M. Rabasco, D. Martín Vera, Dept. Anat. Pat. Dep. Rad. y M. F., Sevilla, Spain: Histopathological study of the behavior of analgesic-anti-inflammatory drugs rectally administered in guinea pigs
16. E. Gruys, P. R. Hol, T. A. Niewold, Dept. of Vet. Path, Utrecht, The Netherlands: Enhancement of amyloid deposition in casein-induced amyloidosis in hamsters
17. P. Henriksen, F. Elling, State Vet. Ser. Lab., Aarhus and Inst. Pat. Anat., Copenhagen, Denmark: Nursing sickness in mink
18. T. Hänichen*, G. Brem**, *Inst. f. Tierpathol., **Inst. f. Tierzucht u. Tierhyg., München, FRG-Germany: Lipid storage disease in the foxterrier
19. P. P. Gupta, Dept. of Vet. Path., Ludhiana, Punjab, India: Spontaneous vascular lesions in Indian pigs
20. M. Rodríguez, J. Rodríguez, M. Tesouro, P. Toni, M. Castaño, Dept. de Pat. Gen., Médica y de la Nutrición, Madrid, Spain: Multiple dystrophic calcifications in two years old thoroughbred
21. B. Biolatti, S. Pau, M. Galloni, Dip. di Patol. Animale, Torino, Italy: Bovine tuberculosis: female genital tract epithelial pathology

Chairmen: E. Dahme and J. J. Badiola

22. J. Espejo**, A. Méndez*, M. A. Sierra*, A. Fernández*, J. C. Gómez-Villamandos*, *Dpt. Histol. y Anat. Pat., **Dpt. Microbiol. e Immunol., Córdoba, Spain: On the problem of the tuberculosis in domestic carnivores
23. A. Lucisano, M. Sofiotti Gennaro, C. Nebbia, Dip. di Pat. Anim., Torino Italy: On variation of the quantity of some metals in the blood of bovines treated with zin ethylene-bis-dithiocarbamate
24. L. Ferrer, D. Fondevila, M. Pumarola, A. Ramis, M. Domingo, Dept. Histol. y Anat. Pat., Barcelona, Spain: Diagnosis of pemphigus foliaceus in dogs

25. W. Coussemant, L. Maes, R. Marsboom, Janssen Pharmaceutica, Beerse, Belgium: Wound healing models in the screening of topically applied drugs
26. A. L. Parodi, S. Djilali, D. Levy, G. Cockerell, Lab. d'Anatomie-Pathologique et Immunogén., Alfort, France: Cytological characterization of the leukemia and tumor cells induced by experimental infection of the sheep by the bovine leukemia virus (BLV)
27. A. Vesslinnova, Boul. Tolbuchin 47a, Sofia, Bulgaria: Comparative morphologic studies on neoplasms in birds
28. R. Ippen, Forschungsstelle f. Wirbeltierforsch., Akad. D. Wissensch., Berlin, German Democratic Republic: Tumours in carnivores
29. M. A. M. Turk*, C. S. Foil**, Dept. of Vet. Path. and Vet. Clin. Sci., Louisiana State University, Baton Rouge*, Vet. Path., Univ. of Missouri, Columbia**, USA: Diagnostic features of common canine skin tumors

Chairmen: S. Ueberschär and A. Blanco

30. G. Camarata, M. Pardi, F. Scianziani, M. Finazzi, I. di Anat. Pat. Vet. e Pat. Aviare, Milan, Italy: Histologic observations on the feline mammary hypertrophy-fibroadenoma complex (FMH)
31. M. J. García Iglesias, J. M. Martínez Rodríguez, A. Escudero Díez, Cátedra de Histol. y Anat. Pat., León, Spain: Ovarian tumours from bovine females
32. A. Escudero Díez, J. M. Martínez Rodríguez, J. Espinosa Álvarez, A. Bravo Moral, Cátedra de Histol. y Anat. Pat., León, Spain: Cytologic diagnostic of a papillary carcinoma of the ovary
33. L. Ojok, Dept. of Vet. Pathol., Kampala, Uganda: Light and ultrastructural renal changes in experimental Trypanosoma congolense infection in Mastomys natalensis
34. F. Lozano, R. B. Gibson, H. K. Bradly, School of Vet. Med., Louisiana Vet. Med. Diagnost. Lab., Dep. Vet. Path., Baton Rouge, Louisiana, USA: Bovine transplacental trypanosomiasis
35. J. Weikel, Tiergesundheitsdienst Bayern, Grub, FRG-Germany: Pathology of Moniezia expansa in sheep
36. S. Hernández*, A. Gázquez**, M. A. Habela*, M. C. Moyano**, *Dept. Parasit., **Dept. Histol. Pat., Cáceres, Spain: Morphopathology of the skeletal muscle in sheep sarcocystosis
37. P. Ahourai, P. Hooshmand-Rad, A. Ezzi, M. R. Gholami, H. Amiri Moghaddam, R. Hashem-Fesharki, Razi Institute, Teheran, Iran: Clinical and patho-anatomical studies on cases of theileriosis (*Theileria annulata*) confusable with juvenile leukosis in calves
38. J. J. Badiola, J. F. García Marín, M. A. Vargas, M. de las Heras, L. Balaguer, D. Fernández de Luco, R. Juste, Dpt. Histol. Anat. Pat., Zaragoza, Spain: Sensibilization influence of L1 from *A. vasorum* on the pathological manifestations in canine angiostrongylosis
39. J. F. García Marín, D. Fernández de Luco, J. J. Badiola, Dept. Histol. Anat. Pat., Zaragoza, Spain: Pathological study of the experimental angiostrongylosis (*A. vasorum*) in cat
40. F. Martínez-Gómez, C. Becerra, P. Gutiérrez-Palomino, A. Gasca and S. Hernández Rodríguez, Dept. of Parasit., Córdoba, Spain: Diagnostic of bovine hypodermosis
41. P. Díaz Pinto, M. J. Alonso Martín, R. Gómez de Tejada, Dept. Anat. Pat, Badajoz, Spain: Complicated pulmonary hydatidosis. Fibrogranulomatous form
42. M. J. Alonso Martín, R. Gómez de Tejada, P. Díaz Pinto, J. Ruiz de la Hermosa, J. Prieto Prieto, Dept. Anat. Pat, Badajoz, Spain: Rhinosporodiosis: morphological study of a case in Spain and a

bibliographical revision

19.09.1986

Chairmen: J. M. V. M. Mouwen and J. Pohlenz

43. M. A. Sierra*, A. Méndez*, J. Gómez-Villamando*, L. Carrasco*, M. A. Gómez**, *Dept. Hist. Anat. pat., Córdoba, **Murcia, Spain: Disturbances of the intense in experimental African swine fever
44. R. López-Fernandez, M. Calvo Zapata, R. Fernández Álvarez, E. Lerma, J. R. Zaragoza, A. Jover, D. Martín Vera, Dept. Radiol. and Physioth. and Dept. Path. Anat., Sevilla, Spain: The effect of negative aeroionization on the prevention of the stress gastric ulcer
45. S. García Fernández, M. Calvo Zapata, R. Fernández Álvarez, E. Lerma, A. Jover Moyano, D. Martín Vera, Surgery Dept. Rad. and Phys. Dept., Anat. pat. Dept., Sevilla, Spain: The influence of strogens on the incidence of the experimental ulcus in the female rat
46. A. Gázquez, V. Salido, V. Roncero, R. Muñoz-Arrebola, J. A. Madrid, Dept. Histol. Anat. Pathol., Cáceres, Spain: Gastrointestinal ulcers by endometacin administration
47. J. F. L. Pohlenz, E. M. Liebler, D. C. Morfitt, Iowa State Univ., Dept. of Vet. Path., Ames, Iowa, USA: Surface characteristics and distribution of lymphoid aggregates in small and large intestine
48. H. I. Al-Sadi, Dept. of Path., Mosul, Iraq: Cryptosporidiosis with and without lymphosarcoma in two rabbits
49. M. J. Ulvund, J. Teige, State Vet. Res. Station for Small Ruminants and the Norw. Coll. of Vet. Med., Oslo, Norway: Terminal ileitis in lambs in Norway
50. M. G. Canese, R. Novara, A. Ponzetto, Dip. di Pat. Animale, Torino, Italy: Experimental delta infection in eastern woodchucks. A histopathological study
51. S. Ueberschär, C. Ueberschär, Inst. of Path., Hannover, FRG-Germany: Hepatotoxicity of coumarine (light- and electronmicroscopic investigations of rat livers following long-term administration)

Chairmen: H. Winter and F. Guarda

52. G. Trautwein, D. Dahler, N. Greding, O. R. Kaaden, Inst. of Path. and Inst. of Virology, Hannover, FRG-Germany: Demonstration of Aleutian disease virus with monoclonal antibodies
53. J. M. Flores, R. Martínez-Aleson, M. Castaño, P. García, M. Pizarro. Cátedra de Histol. y Anat., Madrid, Spain: Experimental study of nephritis-nephrosis syndrome in the avian infectious bronchitis
54. N. H. Majid, H. Winter, Dept. Vet. Path. and Public Health, Brisbane, Australia: Glomerular changes in lambs caused by multiple vaccination
55. T. S. G. A. M. van den Ingh, E. G. Hartmann, Dept. Vet. Path., Utrecht, The Netherlands: Pathology of acute Leptospira icterohaemorrhagiae infection in the Syrian hamster
56. G. Mandelli, E. Scanziani, I. di Anat. Pat. Vet. e Pat. Aviare, Milan, Italy: Immunohistochemical staining of Leptospira pomona in paraffin sections
57. S. Konno, School Vet. Med. and Anim. Sci., Towada, Amori, Japan: Pathogenesis of Akabane

disease. Encephalopathy and myopathy in chick embryos experimentally with Akabane virus

Poster Session: Chairmen: R. Rudolph, W. Drommer, J. A. Bascuas

1. J. M. Martínez Rodríguez, M. J. García Iglesias, A. Escudero Díez, A. M. Bravo Moral, Cated. de Histol. y Anat. Pat., León, Spain: Tumours of urinary bladder from bovine females
2. U. Orgad-Klopfer, T. A. Nobel, S. Perl, B. Yakobson, Kimron Vet. Inst., Bet Dagan, Israel: Bovine congenital tumors with special reference to mastocytoma
3. B. Hauser, F. Ehrenspurger, F. Mettler, H. Stünzi, Inst. Vet. Path., Zürich, Switzerland: Thymomas in dog and cat
4. S. Gómez, M. Gómez, M. M. Ochotorena, V. Vicente, Dpt. Path. Fac. of Med., Murcia, Spain: Skin carcinogenesis in albino guinea pigs with 7,12 dimetil-benzantrace (DMBA)
5. A. Escudero Díez, J. M. Martínez Rodríguez, M. C. Ferreras Estrada, Cated. de Histol. y Anat. Pat. León, Spain: Mixed mammary tumours in the bitch
6. A. Escudero Díez, J. M. Martínez Rodríguez, M. C. Ferreras Estrada, Cated. de Histol. y Anat. Pat. León, Spain: Mammary carcinoma in the bitch
7. A. Bernabé**, M. A. Sierra*, J. A. Navarro**, L. Carrasco*, A. Jover*, *Dept. Histol. Anat. Pat., Córdoba, **Murcia, Spain: Disturbances of the kidney in the spontaneous chronic African swine fever
8. A. Bernabé**, M. A. Sierra**, M. G. Salón***, M. A. Gómez**, J. A. Navarro**, A. J. Fernández*, *Dept. Histol. Anat. Pat. Córdoba, **Murcia, ***Dept. Fisiol. Murcia, Spain: Alterations of the ischaemic kidney in rats after clamping the renal artery (2 kidneys – 1 clip)
9. J. C. Crespo de la Rosa, R. Fernández Alvarez, E. Lerma, D. Martín Vera, A. Méndez Sánchez, Radiol. and Physioth. Dept. and Path. Anat. Dept., Sevilla, Spain: The effect of infrared laser on the experimental inflammation by carrageenan in rats. Experimental study
10. A. Rodríguez Freyre, R. Fernández Alvarez, E. Lerma, J. R. Zaragoza Rubira, C. Amo Bernal, D. Martín Vera, Radiol. and Physioth. Dept. and Path. Anat. Dept., Sevilla, Spain: Anti-inflammatory effect of infrared laser. Study on the prevention of intraperitoneal adhesions
11. R. Fernández Alvarez, A. Castro, R. López Fernández, E. Lerma Puertas, J. R. Zaragoza Rubira, D. Martín Vera, Radiol. and Physioth. Dept. and Path. Anat. Dept., Sevilla, Spain: The anti-inflammatory effect of magnetotherapy. Study on acute inflammation and the prevention of intraperitoneal adhesions in the rat
12. L. Narbona Niza, J. Pérez Castilla, R. Fernández Alvarez, J. R. Zaragoza Rubira, D. Martín Vera, Radiol. and Physioth. Dept. and Path. Anat. Dept., Sevilla, Spain: The effects of physiotherapy on the experimental tearin of muscular fibers in the rabbit
13. J. L. Bardasano, L. Picazo, Inst. f. Path. Anat., Med. Fac. Univ. Alcalá de Henares, Madrid, Spain: Recessus suprapinealis of the hamster cricetus cricetus under the effect of artificial magnetic fields
14. I. Bjerkås and T. Landsverk, Dept. of Path., Norwegian College of Vet. Med., Oslo, Norway: Identification of protozoan parasites by immunoperoxidase technique in stored, formalin-fixed, paraffin-embedded tissue
15. E. J. Gimeno*, E. D. Nosetto**, R. E. Feinstein*, C. M. Galosi**, Y. And**, *Inst. Pathol., **Inst. Virol. Fac. of Vet. Scie., La Plata, Argentina: Demonstration of equine herpes virus 1 (EHV-1) in histologic sections and tissue cultures by the peroxidase-antiperoxidase (PAP) technique

16. C. E. Kantek, P. J. Marie, M. Hott, A. L. Parodi, Serv. Anat. Path., Alfort, France: Histomorphometric study of bone in young bovine with the "hyena disease"

Chairmen: K. Frese, E. Gruys, H. Loppnow

17. I. Abels-Gerlach, M. Afifi, K. Frese, Inst. Vet. Path., Giessen, FRG-Germany: Unusual manifestation of pseudorabies infection in the lower digestive tract of a dog
18. K. Tuch, B. Biering, Byk-Gulden, Inst. of Path. Hamburg, FRG-Germany: Experience with endoscopically controlled gastric biopsies in the rat
19. E. Gruys*, M. P. H. M. Roumen**, * Dept. Vet. Path., Utrecht and Animal Health Sc. Centre Heythuysen**, The Netherlands: Iatrogenic mastitis in sheep
20. J. P. Koeman, R. C. Nap, P. Ossent, H. C. Schmhardt, F. Németh, E. Gruys, Dept. Vet. Path. Surgery and Funct. Morphol., Utrecht, The Netherlands: Pathogenetical aspects of sole ulcers in cattle
21. W. Wouda, J. M. A. Snijders, E. Gruys, Dept. Vet. Path. and Dept. Sci. of Food of Animal Origin, Utrecht, The Netherlands: Porcine endocarditis at slaughter
22. J. F. García Marín, B. Peris Palau, J. A. Bascuas, Dept. Histol, Anat. Pat., Zaragoza, Spain: Anatomic-pathological features and incidence of the visceral cysticercosis in sheep (*C. tenuicollis*)
23. M. Cano, A. Gázquez, R. Moyano, A. García, Dept. Pharmacol. and Toxicol., Cordóba, Spain: Histopathological study in liver of chickens treated with arsanilic acid
24. T. Rahko, S. Nikander, T. V. Kalima, H. Saloniemi, Dept. of Path., Coll. of Vet. Med., Helsinki, Finland: An experimental study of exocrine pancreatic insufficiency in the pig
25. M. A. Sierra*, E. Mozos*, A. Bernabé**, T. Moyano*, M. Rodríguez*, *Dept. Histol. y Anat. Patol., Cordóba, ** Murcia, Spain: Disturbances of the lung in the spontaneous chronic African swine fever
26. I. Navarrete, A. Gázquez, S. Hernández, D. Reina, Dept. Parasitol. y Enferm. Parasit., Cáceres, Spain: Morphopathology of the C. N. S. in sheep sarcocystosis
27. P. Schneider, Ch. Hohbach, P. Anselment, W. Diederens, G. Hallermeyer and U. Mittmann, Dr. Karl Thomae GmbH, Biberach, FRG-Germany: Cardiomorphological investigations after experimental supravalvular aortic stenosis and lipid-enriched diet in foxhound/beagle-dogs
28. M. Jafaar, A. R. Sheikh-Omaar, Faculty of Vet. Med. and Animal Sc., Serdang Selangor, Malaysia: An abattoir study on the pathology of reproductivity tracts of sows
29. M. C. Ferreras Estrada, J. M. Martínez Rodríguez, A. Escudero Díez, Cat. Histol. y Anat., Pat., León, Spain: Effects on zeranol and diethylstilbestrol implants in the prostate of Churra breed lambs
30. M. A. Sierra*, A. Méndez*, A. Fernández*, M. A. Gómez**, J. A. Navarro**, *Dept. Histol. Pat., Cordóba, ** Murcia, Spain: Histopathological study on C. N. S. under experimental African swine fever
31. M. A. Sierra*, E. Mozos*, A. Bernabé**, A. Martínez*, A. Jover*, *Dept. Histol. Pat., Cordóba, ** Murcia, Spain: Disturbance of the lung in experimentally African swine fever
32. M. A. Sierra*, T. Quesada***, F. J. Salazar***, M. A. Gómez***. J. A. Navarro**, A. Bernabé**, *Dept. Histol. y Anat. Pat., Cordóba, ** Murcia, ***Dept. Fisiol. Facul. Med., Murcia, Spain: Alterations of the contralateral kidney in rats after clamping the renal artery (2 kidneys - 1 clip)

33. T. Moyano, E. Redondo, V. Roncero, A. Gázquez, Dept. Histol y Anat. pat., Cáceres, Spain: Histopathologic and morphometric study of the contralateral kidneys in experimental hydro-nephrosis
34. M. T. Bahillo del Río, J. J. Burgos Bretones, J. M. Rivera Pomar, Dept. Anat. Hosp. Cruces, Vizcaya, Spain: Ultrastructural morphometric study of skeletal muscle in experimental acute ischaemic by tourniquet
35. E. Gruys, Dept. Vet. Path., Utrecht, The Netherlands: Spontaneous animal amyloidosis
36. A. C. van Andel, E. Gruys, Dept. Vet. Path., Utrecht, The Netherlands: The beta pleated sheet concept of amyloid

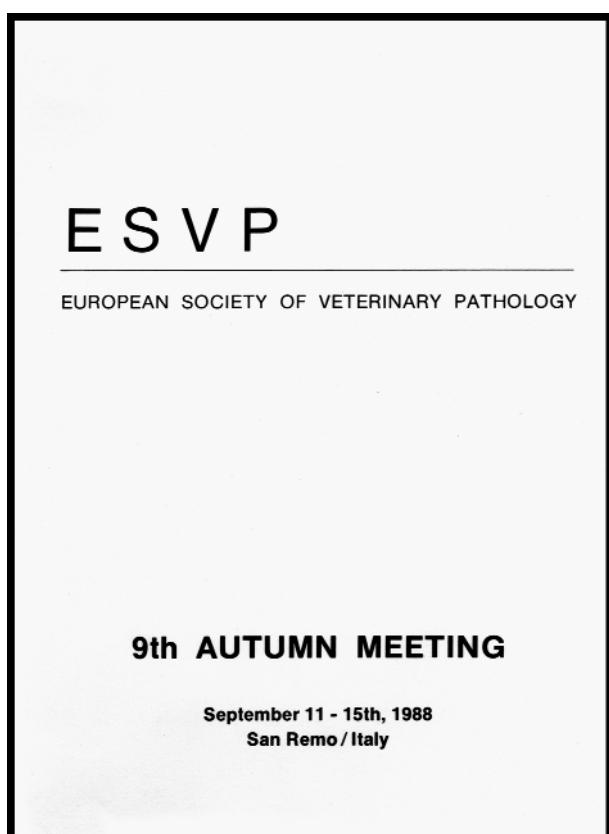
20.09.1986: Chairmen: K. Dämmrich and P. Hildebrand

58. H. Loppnow, U. Tiedemann, Inst. Vet. Pat., Berlin, FRG-Germany: Morphometric investigations on lesions of pancreatic islands in hyperglycaemic and diabetic cats
59. E. J. van der Molen, M. J. A. Nabuurs, A. J. Baars, H. Vreeswijk, Central Vet. Inst., Lelystad, The Netherlands: Adrenal changes accompanied with hypoaldosteronism weaned pigs induced by carbadox
60. J. E. van Dijk, A. J. van Uyen, J. H. Vos, J. M. V. M. Mouwen, Dept. Vet. Pat., Utrecht, The Netherlands: Influence of thyrotropin on tight junctions and cytoskeleton of cultured thyroid follicles
61. M. Gennaro Soffietti, F. Guarda, B. Biolatti, F. Cottino, M. G. Canese, Dip. di Pat. Animale, Torino, Italy: Chronic experimental toxicity by zinc ethylene-bis-dithiocarbamate in calves: thyroid morphofunctional changes
62. J. M. Martínez Rodríguez, M. C. Ferreras Estrada, A. Escudero Díez, Cat. Histol. y Anat. Pat., León, Spain: Morphopathology in Churra lambs epididymis after estrogens administration
63. M. Rodríguez, A. Méndez, T. Moyano, L. Carrasco, J. C. Gómez-Villamandos, Dept. Histol. y Anat. Pat., Córdoba, Spain: Contribution to the histological study of Merino lamb testis treated with oestradiol and trembolone
64. I. Munuera Echave, A. Blanco Rodríguez, Dept. Histol. Anat. Pat., Córdoba, Spain: Shifts in fish and LH storage in the secretory granules of gonadotropes from wistar male rats after successive doses of GnRH

Chairmen: G. Trautwein and A. Jover

65. B. Macri, F. Guarda, A. Panabiancho, Vet. Fac. Messina-Torino, Italy: The pathology of leishmaniosis in the dog
66. S. Hernández-Rodríguez, C. Gómez-Nieto, Ma S. Martínez-Cruz, F. Martínez-Gómez, Dept. of Parasit., Córdoba, Spain: Canine leishmaniosis: clinical aspects
67. L. Ferrer, R. Rabanal, M. Domingo, J. Ramos, A. Ramis, D. Fondevilla, Dept. Histol. Anat. Pat., Barcelona, Spain: Immunohistochemical diagnosis of canine leishmaniasis
68. M. Castaño, I. L. González, J. M. Flores, C. Novoa, Dept. Histol. Anat. Pat., Madrid, Spain: A comparative study of glomerular involvement in the dog and hamster with visceral leishmaniasis
69. A. Poli, F. Mancianti, F. Abramo, M. Nigro, G. Guidi, Dip. Pat. Anim., Pisa, Italy: Glomerulo-nephritis in dogs infected by *Leishmania infantum*: clinical, histopathological, immunohistochemi-

- cal and ultrastructural observations
70. J. F. García Marín, J. Romano, J. J. Badiola, Dept. Histol. Anat. Pat., Zaragoza, Spain: Renal pathological features in canine leishmaniosis
71. M. Pizarro, J. M. Nieto, X. Pickering, L. Peña, M. Tesouro, Dept. histol. Anat. Pat., Madrid, Spain: Study of testicular involvement in the dog with visceral leishmaniasis
72. O. P. Jensen, I. Bjerkås, J. Preshus, J. Teige, M. Eilersdottir, Dept. of Path., The Norw. College of Vet. Med., Oslo, Norway: First report on canine leishmaniasis in Norway. Light and electron microscopic examinations
73. E. Gallego, J. L. González, A. Rueda, C. Novoa, Dept. Histol. Anat. Pat., Madrid, Spain: Certain aspects of ocular lesions in canine visceral leishmaniasis



9th Autumn Meeting
European Society of Veterinary Pathology

11 – 15th September 1988

San Remo, Italy

President: J. Pohlenz, Hannover
Secretary: R. Rudolph, Berlin
Treasurer: F. Hartig, Mannheim

9th AUTUMN MEETING

September 11 - 15th, 1988
San Remo / Italy

12.09.: Infectious Diseases in Domestic Animals

Chairmen: F. Guarda, Torino, A. L. Parodi, Alfort

1. Waldvogel, A. S.¹, G. A. Anderson², B. I. Osburn³, ¹Sandoz AG, Basel, ²Dept. of Veterinary Science, University of Nebraska, Lincoln, ³Dept. of Veterinary Pathology, University of California, Davis: Virulence characteristics of two strains of bluetongue virus 11 in newborn mice and fetal calves
2. Bryson, D. G., M. Platten, S. McNulty, Veterinary Research Laboratories, Stormont, Belfast, Northern Ireland, United Kingdom: Ultrastructural features of experimental respiratory syncytial virus pneumonia in calves
3. Baumgärtner, W.¹, M. Reinacher¹, C. Örvell², ¹Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Gießen, ²The National Bacteriological Laboratory, Dept. of Virology, Stock-

holm: Naturally occurring canine distemper virus encephalitis: immunocytochemical evidence for defective expression of viral proteins

4. Pumarola, M., M. Domingo, L. Ferrer, A. J. Ramis, Histología y Anatomía Patológica, Facultad de Veterinaria, Universidad Autónoma Barcelona, Bellaterra: Post-vaccinal encephalitis in pigs vaccinated against Aujeszky's disease and challenged with pathogenic Aujeszky's disease virus
5. Thiel, W.¹, V. Geiss², S. Braune, ¹Staatliches Veterinäruntersuchungsamt Detmold, ²Institut für Veterinärpathologie, Universität Gießen, ³Tierklinik Quernheim, Kirchlengern: A new, herpes virus induced disease in turtles (tortoise)
6. Carrasco, L., M. A. Sierra, J. C. Gomez-Villamados, M. Quezada, A. Jover, Departamento Anatomía y Anatomía Patológica Comparadas, Facultad de Veterinaria de Córdoba: The role of pulmonary intravascular macrophages in acute African swine fever
7. Deschl, U.¹, J. Richt², J. A. Morales¹, K. Frese¹, R. Rott², ¹Institut für Veterinär-Pathologie, ²Institut für Virologie, Justus-Liebig-Universität, Gießen: Histopathological and immunohistological investigations in Borna disease virus-infected, immunosuppressed Lewis rats after adoptive transfer of Borna disease virus-specific T-cells
8. Morales, J. A.¹, S. Herzog², U. Deschl¹, K. Frese¹, ¹Institut für Veterinär-Pathologie, ²Institut für Virologie, Justus-Liebig-Universität, Gießen: Immunohistological demonstration of axonal spread of Borna disease virus into sensory organs after intracerebral inoculation of Lewis rats
9. Konno, S., Dept. Experimental Pathology, School of Veterinary Medicine and Animal Sciences, Kitasato University, Towada SHI, Aomori, Japan: Characteristics of hydranencephaly in calves with Akabane disease
10. Nieto, J. M.¹, R. Fernandez², B. Barreiro², ¹Departamento de Patología Animal, Facultad de Veterinaria, Lugo, España, ²Servicios Técnico-Veterinarios, Zeltifur, S. A., La Coruña: Studies on kidney lesions of Aleutian disease of mink
11. Braca, G., G. Renzoni, E. Taccini, Dipartimento di Patologia Animale, Profilassi ed Igiene degli Alimenti, Università degli Studi, Pisa: Generalized AA-amyloidosis in goats affected by caprine arthritis-encephalitis (CAE). Histopathological and histochemical appearance

Chairmen: E. Weiss, Gießen, P. S. Marcato, Bologna

12. Piedimonte, G., P. Borghetti, E. Cabassi: Istituto di Anatomia Patologica Veterinaria, Università di Parma: Protease activation in mammalian cells infected by retrovirus
13. Canese M. G.¹, E. Bollo¹, B. Biolatti¹, C. Turilli², ¹Dipartimento di Patologia Animale, Università degli Studi di Torino, ²Istituto Zooprofilattico Sperimentale delle Venezie, Sezione di Padova: Cell culture infection with Chlamydia psittaci (ovis): an ultrastructural study
14. Fernandez, A. J.¹, H. Martin de las Mulas¹, J. B. Poveda², J. Carranza², A. Bernabe³, ¹Dpt. Anatomía y Anatomía Patológica Comparadas, Facultad de Veterinaria de Córdoba, ²Dpt. Patología Animal, Fac. Veterinaria de Córdoba, ³Dpt. Anatomía y Anatomía Patológica Comparadas, Fac. Veterinaria de Murcia: Immunocytochemical demonstration of mycoplasms in oviducts of hens
15. Garcia Marin, F., B. Peris, R. Juste, M. A. Vargas, J. J. Badiola, Dpto. de Patología Animal, Facultad de Veterinaria, Zaragoza: Initial lesions in the ileum of lambs experimentally infected with Mycobacterium paratuberculosis
16. Marco, A., M. Domingo, J. A. Ramos, L. Ferrer, Histología y Anatomía Patológica, Facultad de Veterinaria, Universidad Autonomía Barcelona, Bellaterra: Demonstration of Listeria monocyt-

togenes in natural cases of ovine and bovine listeriosis using the PAP-technique in routine histopathological material

17. Scanziani, E., G. Mandelli, G. Sironi, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Università degli Studi di Milano: Further observations on leptospiral nephritis in swine
18. Mughetti, L. A. Ciorba, L. Mechelli, Istituto di Patologica Generale e Anatomia Patologica Veterinaria, Università di Perugia: Gross, microscopic, and ultrastructural findings of hepatozoonosis in dogs
19. Poli, A.¹, F. Mancianti¹, F. Abramo¹, A. Bionda², ¹Dipartimento di Patologia Animale, Profilassi ed Igiene degli Alimenti, Università di Pisa, ²Istituto di Clinica Medica II, Università di Pisa: Studies on the pathogenesis of glomerulonephritis in dogs infected by Leishmania infantum. Characterization of circulating immune complexes and immunoglobulins eluted from kidney tissue
20. Castano, M., J. M. Flores, C. Novoa, M. Gonzalez, Department of Animal pathology II. Veterinary School, Madrid: Immunocytochemistry of renal and lymphnode lesions in canine leishmaniasis
21. Vecchiarelli, A.¹, C. Benedetti², R. Mazzola¹, R. Biondi², R. Rossi², ¹Department of Experimental Medicine and Biochemical Sciences, Microbiology Section, ²Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Università di Perugia: Determination of lysosomal encymatic activity by splenic macrophages from mice with Candida albicans

Poster Session

Chairmen: W. Drommer, Hannover, G. Madelli, Milano

22. Blanco, A., M. Rodriguez, A. Mendez, E. Mozos, T. Moyano, Departamento de Anatomía y Anatomía Patológica Comparadas. Facultad de Veterinaria. Universidad de Córdoba: Comparative morphological studies of lamb and calf testes treated with oestradiol and trenbolone acetate (anabolites)
23. Redondo, E., V. Roncero, A. Gazques, E. Duran, Departamento de Histología y Anatomía Patológica. Facultad de Veterinaria. Universidad de Extremadura, Cáceres: Experimental pneumonic pasteurellosis in rabbits
24. Redondo, E., V. Roncero, A. Gazques, E. Duran, Departamento de Histología y Anatomía Patológica. Facultad de Veterinaria. Universidad de Extremadura, Cáceres: Ultrastructural studies of hepatocytes from tench after copper sulfate administration
25. Redondo, E., V. Roncero, A. Gazques, E. Duran, Departamento de Histología y Anatomía Patológica. Facultad de Veterinaria. Universidad de Extremadura, Cáceres: Jaagsiekte in sheep lung: histopathologic, morphometric and electronmicroscopic studies
26. Redondo, E., V. Roncero, A. Gazques, E. Duran, Departamento de Histología y Anatomía Patológica. Facultad de Veterinaria. Universidad de Extremadura, Cáceres: Experimental intoxication with lead nitrate: histopathological studies of gills from tench
27. Nieto, J. M.¹, M. Pizarro², ¹Departamento de Patología Animal, Facultad de Veterinaria, Lugo, ²Departamento de Patología Animal II, Facultad de Veterinaria, Lugo: Canine testicular neoplasia in descended testes and in cryptorchid testes
28. Rahko, T., College of Veterinary Medicine, Department of Pathology, Helsinki: Electronmicroscopy of bileduct mucosa in the reindeer

29. Kaup, F.-J.¹, T. Schnieder², W. Drommer¹, ¹Institut für Pathologie und, ²Institut für Parasitologie der Tierärztlichen Hochschule Hannover: Morphologic investigations of experimental bovine dictyocaulosis
30. Koninkx, J. F. J. G., J. Blok, G. C. J. M. Hendriks, J. M. V. M. Mouwen, Institute of Veterinary Pathology, University of Utrecht: Cell biological effects of Phaseolus vulgaris agglutinin on differentiated human colon carcinoma caco-2 cells
31. Hauser, B. G. Lott-Stolz, S. Arnold, M. Hubler, M. Casal, P. Rüsch, Institut für Veterinärpathologie und Klink für Geburthilfe und Gynäkologie der Universität Zürich: Autotransplantation on ovarian tissue
32. Bernabe, A., M. A. Gomez, J. A. Navarro, S. Gomez, J. Siderach, V. Menchen, Histología y Anatomía Patológica. Facultad de Veterinaria, Murcia: Pathological changes of spontaneous dual infection of tuberculosis and paratuberculosis in goats

Chairmen: H. Köhler, Wien, J. Manocchio, Perugia

33. Ojok, L., Department of Veterinary Pathology, Faculty of Veterinary Medicine, Makerere University, Kampala, Uganda: Pulmonary findings in Mastomys natalensis experimentally infected with Trypanosoma congolense
34. F. Bruschi, F.¹, A. Moretti², D. Piergili Fioretti², ¹Istituto di Patologia Generale, Università di Perugia, ²Istituto di Parassitologia, Università di Perugia: Modifications of eosinophilia in relation to the inoculated numbers of parasites in Toxocara canis infection
35. Moretti, A.¹, D. Piergili Fioretti¹, F. Bruschi², ¹Istituto di Parassitologia, Università di Perugia, ²Istituto di Patologia Generale, Università di Perugia: Toxicara canis: granulomatous responses in target organs in a mouse model (preliminary results)
36. Arispici, M.¹, G. di Ricco², F. Mancianti¹, C. Marini², A. Poli¹, ¹Dipartimento di Patologia Animale, Profilassi ed Igiene degli Alimenti, Università di Pisa, ²Istituto di Fisiologica Clinica del C. N. R., Pisa: Experimental canine angiostrongylosis: pathologic, respiratory and hemodynamic modifications

13.09.88: Diagnostic Pathology and Case Reports

Chairmen: J. Pohlenz, Hannover, F. Valenza, Torino

37. Zimmer, K¹, D. Wiegand², D. Manz², J. W. Frost³, M. Reinacher¹, K. Frese¹, ¹Institut für Veterinär-Pathologie der Justus-Liebig-Universität Gießen, ²Staatliches Medizinal-, Lebensmittel- und Veterinäruntersuchungsamt Mittelhessen, Gießen, ³Staatliches Medizinal-, Lebensmittel- und Veterinäruntersuchungsamt Südhessen, Außenstelle Frankfurt am Main: Evaluation of five different methods for laboratory diagnosis of rabies
38. Schoon, H.-A.¹, E. Detlef², C. Messow¹, ¹Institut für Pathologie, Tierärztliche Hochschule Hannover, ²Tierärztliche Praxis, Eutin: Lung biopsy in horses - a method of clinical pathology
39. van den Ingh, T. S. G. A. M., J. S. van der Linde-Sipman, A. J. van Toor, Institute of Veterinary Pathology, Faculty of Veterinary Medicine, University of Utrecht: Fatty liver syndrome in pups
40. Valenza, F.¹, L. Sidoli², G. Barigazzi², M. Galloni¹, ¹Dipartimento di Patologia Animale, Università degli Studi di Torino, ²Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia, Sezione Diagnostica di Parma: Morphological features of the proliferative hemorrhagic enteropathy in pigs

41. Liebler, E. M., J. F. Pohlenz, Institut für Pathologie, Tierärztliche Hochschule Hannover: Distribution and surfaces characteristics of gut-associated lymphoid tissue (GALT) in the rectum of calves
42. Hellmann, J., Institut für Veterinär-Pathologie der Freien Universität Berlin: Morphometrical investigations on the quantitative distribution of immunoreactive insular cells in canine pancreas atrophy
43. Marcato, P. S., M. Galeotti, F. Mutinelli, L. Marocchio, L. della Salda, P. Simoni, G. Sarli, Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Università degli Studi, Bologna: Immunohistochemical and ultrastructural investigations in acute „atypical“, interstitial pneumonia of calves
44. Troncone, A. F. Roperto, C. Mucciolo, P. Galati, S. Paparella, S. Damiano, Dipartimento di Patologia, di Profilassi e di Ispezione degli Alimenti, Facoltà di Medicina Veterinaria, Università di Napoli: Arteropathies in horses: optical and scanning electron microscopical observations with microanalysis
45. Guarda, F., M. Negro, Dipartimento di Patologia Animale dell'Università degli Studi di Torino: Pathology of cardiac atrial aneurysms in cattle

Chairmen: J. M. V. M. Mouwen, Utrecht, G. Braca, Pisa

46. Roperto, F., P. Galato, S. Papparella, A. Tranquillo, R. Tiscione, Dipartimento di Patologia e di Ispezione degli Alimenti, Facoltà di Medicina Veterinaria, Università di Napoli: Bovine sterility and/or subfertility: optical and ultrastructural observations in the endometrium
47. Guarda, F., B. Biolatti, Dipartimento di Patologia Animale, Università degli Studi di Torino: Pathological correlations among thymus, female genital tract and Bartolini's glands lesions in beef cattle
48. Locatelli, A., P. Sartorelli, F. Agnes, Istituto di Patologia Generale Veterinaria, Milano: Simulated transport stress in the calf: effect of loading or noise on some haematological and chemical parameters
49. Ehrensperger, F.¹, B. Hauser¹, L. Bruckner-Tuderman³, P. Wild², ¹Institut für Veterinärpathologie der Universität Zürich, ²Institut für Veterinäranatomie der Universität Zürich, ³Dermatologische Klinik der Universitätsspitals Zürich: Epidermolysis bullosa in sheep
50. Lott-Stolz, G., Institut für Veterinärpathologie, Zürich: Osteochondromatosis in cats
51. Leoni, A.¹, A. M. Nieddu¹, F. Guarda², A. Firinu³, P. Cossu³, V. Mingioni⁴, ¹Facoltà di Medicina Veterinaria di Sassari, ²Facoltà di Medicina Veterinaria di Torino, ³Istituto Zooprofilattico Sperimentale della Sardegna, ⁴Ospedale Civile di Nuoro: Neurotoxic syndrome in sheep at pasture in Mediterranean vegetation
52. Vitelozzi, G.¹, C. Renieri², G. Fruganti³, A. Verini Supplizi², ¹Istituto di Patologia Generale e Anatomia patologica veterinaria, ²Istituto Produzioni Animali, ³Istituto di Patologia speciale a Clinica medica veterinaria, Università di Perugia: Polycystic kidney and brachygnathia in Holstein Friesian calves
53. Panebianco, A.¹, B. Macri², F. Conte², A. Muscarella², ¹Cattedra di Ispezione e Controllo delle Derrate Alimentari II, ²Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Università degli Studi di Messina: Spontaneous pathology in non-migratory and migratory wild birds

54. Serbedija, R., Dr. K. Thomae, Abt. Experimentelle Pathologie, Biberach: Lack of consistency of ophthalmoscopic and histologic findings exemplified by altered tissue of lens

Chairmen: E. Cabassi, Parma, R. Rudolph, Berlin

55. Cantoni, A. M., A. Corradi, Istituto di Anatomia patologica veterinaria, Università di Parma: A study of calves treated with anabolic drugs: histoenzymatic evaluation of urethral muscle and histological findings in accessory sex glands
56. Guasco, R., M. G. Canese, F. Guarda, Dipartimento di Patologia Animale, Università degli Studi di Torino: Histological changes of calf thymus during involution and regeneration following dexamethasone administration. An ultrastructural study
57. Zeeuwen, A., A. van Exsel, F. Jaartsveld, H. Wentink, Tiergesundheitsamt Boxtel, NL: Doxycycline intoxication in calves
58. Gennaro Soffietti, M. C. Nebbia, G. Re, E. Ferrero, M. Castagnaro, F. Valenza, Dipartimento di Patologia Animale, Facoltà di Medicina Veterinaria, Università degli Studi di Torino: Assessment of zinc ethylenebisdithiocarbamate toxicity in unweaned calves
59. Nebbia, C., M. Gennaro Soffietti, G. Re, Dipartimento di Patologia Animale, Facoltà di Medicina Veterinaria, Università degli Studi di Torino: Effects of zinc ethylenebisdithiocarbamate on hepatic microsomal monooxygenases and reduced glutathione content in Friesian cattle
60. Kikovic, D.¹, N. Stockhofe¹, K.-H. Waldmann², J. Pohlenz¹, ¹Institut für Pathologie, Tierärztliche Hochschule Hannover, ²Klinik für kleine Klauentiere, Tierärztliche Hochschule Hannover: Morphological and clinical aspects of olaquindox-overdosis in pig-nutrition
61. Macri, B., A. Panebianco, F. Conte, A. Muscarella, V. Galofaro, Istituto di Patologia Generale ed Anatomia Patologica Veterinaria, Università degli Studi di Messina: Remarks concerning the haematologic, pathologic-anatomic and pathogenetic aspects in rabbits treated with silver iodide: Preliminary results
62. Panebianco, A.¹, B. Macri², M. del Monte¹, ¹Istituto di Ispezione degli Alimenti di Origine Animale, ²Istituto di Patologia Generale ed Anatomia Patologica Veterinaria, Università degli Studi di Messina: Alterations in the immunocompetent system of goat kids treated with aroclor 54 and 60 (PCB)

14.09.88: Tumor Pathology

Chairmen: A. Jover, Córdoba, W. Hermanns, München

63. Parodi, A. L., S. Djilali, B. da Costa, Th. Alogninouwa, J. J. Fontaine, F. Crespeau, Laboratoire d'Anatomie-Pathologique et d'Immunogénétique - INRA - Ecole National Vétérinaire d'Alfort, Alfort: Pathological, immunological, and virological study of multiple cases of thymic form of leucosis in calves
64. Reinacher, M., Institut für Veterinär-Pathologie, Justus-Liebig-Universität Gießen: Demonstration of virus and tumor associated antigens in bovine leukaemia virus (BLV) infection
65. Pace, V., A. Argentino, L. Luperi, Life Science Research, Rome, Toxicology Centre, Pomezia (Roma): Monocytic leukaemia in Sprague Dawley rats
66. Arnaud, S., M. G. Canese, S. Bianco, Dipartimento di Patologia Animale, Università degli Studi di Torino: Correlation between the histologic grading of dog mammary neoplasia biopsies and some morphologic parameters of the related cytologic smears

67. Castagnaro, M., M. G. Canese, Dipartimento di Patologia Animale, Università degli Studi di Torino: Lectin histochemistry as probes for different carbohydrates expression in normal, hyperplastic and malignant canine mammary gland tissue
68. Bucciarelli, E. , I. Ferri, P. F. Alberti, A. Cavaliere, A. Sidoni, Institute of Pathological Anatomy and Histology, Division of Cancer Research, University of Perugia: Histogenesis of mammary carcinomas induced in female Sprague-Dawley rats by Daunorubicin and Doxorubicin
69. Marcato, P. S., C. Benazzi, L. della Salda, P. Simoni, Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Facoltà di Medicina Veterinaria, Università degli Studi, Bologna: Primary neoplasms of the dog lung: cases observed from 1961 to 1988 and ultrastructural features of rare forms
70. Rabanal, R., D. Fondevila, L. Ferrer, Departamento de Anatomía y Anatomía Patológica, Facultad de Veterinaria, Barcelona: Immunocytochemical diagnosis of anaplastic skin tumours
71. Sironi, G., M Caniatti, E. Scanziani, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Università degli Studi di Milano: Presence of papillomavirus structural antigens in animal hyperplastic and neoplastic epithelial lesions
72. Burkhardt, E.¹, H. Marquardt², ¹Institut für Veterinär-Pathologie, Justus-Liebig-Universität Gießen, ²Kleinpraxis Darmstadt-Eberstadt: Odontoameloblastoma in the maxilla of a guinea pig
73. Scanziani, E. D. Fonda, M. Gualtieri, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Università degli Studi di Milano: Gastric carcinoma in the dog: study of 11 cases
74. Hartig, F., Experimentelle Pathologie, Boehringer GmbH, Mannheim: Unusual vascular lesions in a cat with histologic features of intravascular angioendotheliomatosis
75. Afify, M. M. H., M. O. A. el Shazley, Department of Pathology, Faculty of Veterinary Medicine, Giza, Egypt: Testicular tumours in rabbits

Experimental Pathology and Animal Models

Chairmen: H. Loppnow, Berlin, J. J. Badiola, Zaragoza

76. Calo, M.¹, M. Iannone¹, G. Sancesario², G. Nistico¹, ¹Institute of Pharmacology, Faculty of Medicine Reggio Calabria University, ²Institute of Neurology, II Faculty of Medicine, Tor Vergata Roma: Neuropathological lesions after intracerebral microinjection of MPP+ and paraquat in rats
77. Luther, D.¹, W. Drommer¹, A. Sepehrinia², ¹Institute of Pathology, Veterinary School Hannover, ²Neurosurgical Clinic, Nordstadt Hospital, Hannover: Light and electron microscopic studies of rabbit sciatic nerve regeneration following experimental transection and microsurgical repair
78. Egberts, H. J. A., J. E. van Dijk, J. M. V. M. Mouwen, Institute of Veterinary Pathology, University of Utrecht: Thickening of the glycocalyx after methotrexate-induced intestinal villus atrophy in rats
79. van Uijen, A. J., H. J. A., Egberts, J. E. van Dijk, J. M. V. M. Mouwen, Institute of Veterinary Pathology, University of Utrecht: Structure of tight junctions in methotrexate-induced villus atrophy in rats
80. Calafiore, R.¹, I. Manocchio², M. Pietropaolo¹, G. Basta¹, F. Cacinaro¹, A. Falorni², ¹Istituto di Patologia Speciale Medica, ²Istituto di Anatomia Patologica Veterinaria, University of Parma:

Impact of immune mechanisms on the onset of pancreatic islet destruction in nod (non obese diabetic) mice

81. Plesker, R.¹, E. Burkhardt¹, N. Schmeer², H. Müller³, ¹Institut für Veterinär-Pathologie, ²Institut für Hygiene und Infektionskrankheiten der Tiere, ³Institut für Virologie des Fachbereichs Veterinärmedizin der Justus-Liebig-Universität Gießen: Determination of interleukin 2 in culture supernatans of con A-stimulated blood lymphocytes of chicken
82. Biondi, R., C. Benedetti, R. Rossi, Istituto Patologia Generale Policlinico Monteluce, Perugia: Purification of a rat liver protein inhibiting cell proliferation

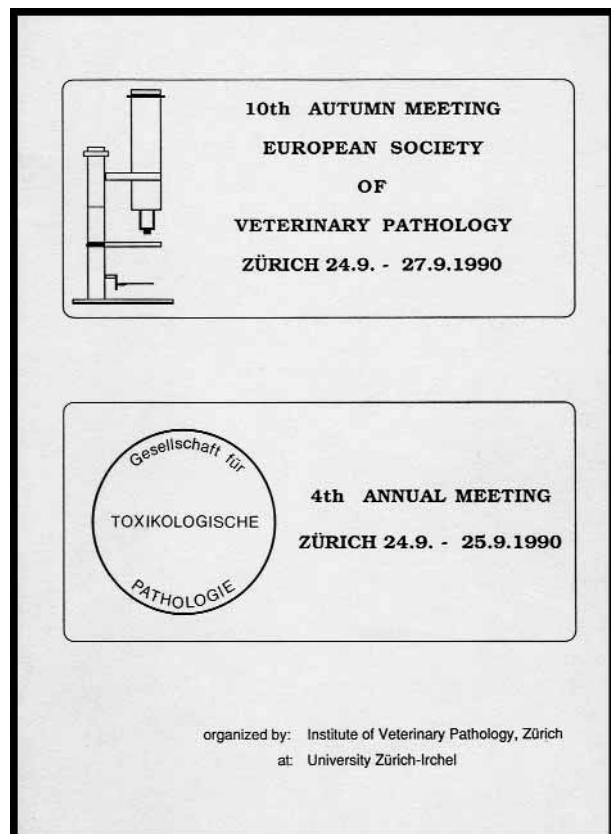
10th Autumn Meeting

European Society of Veterinary Pathology

24. – 27. September 1990

Zürich, Schweiz

President: A. Pospischil, Zürich
Secretary: R. Rudolph, Berlin
Treasurer: F. Hartig, Mannheim



24.09.1990: Farm Animal Pathology

Chairmen: J. J. Badiola (Zaragoza), J. Pohlenz (Hannover)

1. Weikel, J., TGD Bayern e. V., Grub: Bovine respiratory syncytial virus infection: can the diagnosis be confirmed by only histological examination?
2. Hall G. A., Bridger J. C., Parsons K. R., Bland A. P., Varshney K. C., AFRC, Institute for Animal Health, Compton Laboratory, Newbury Berkshire, Great Britain: Comparison of lesions in one- and ten-day old gnotobiotic calves inoculated with a rotavirus of low virulence
3. Sierra M. A., Fernández A., Martín de las Mulas J., Pérez J., Jover A., Dpto. de Anatomía y Anatomía Patológica Comparadas, Facultad de Veterinaria, Córdoba: Immunohistopathological and ultrastructural studies of the liver of pigs experimentally infected with A. S. F. virus (Strains E70 and E75)
4. Biesenbach W., Herzog A., Frese K., Institut für Veterinärpathologie, Justus-Liebig-Universität, Gießen: Peripheral neuropathy in experimental Borna disease virus infection of Lewis rats

5. Pearson G. R., Wray C., McLaren I., Logan E. F., Dept. of Pathology, University of Bristol, England: The nomenclature of *E. coli*: A problem for the pathologist
6. Scanziani E., Sironi G. and Caniatti M., Istituto di Anatomia Patologica Veterinaria e Pat. Aviare, Università degli Studi, Milano: Granulomatous-like reaction in renal leptospirosis of swine
7. Marcato P. S., Della Salda L., Lollini L., Zaghini L., Istituto di Patologia generale e Anatomia patologica veterinaria, Università di Bologna: Acute serous pancreatitis ("edematous pancreatitis") in slaughtered pigs
8. Kaup F.-J., Jochims K., Drommer W., Heidbrink U., Pickel M., Grunert E., Harisch, G., Institut für Pathologie, Tierärztliche Hochschule Hannover: Ultrastructural and immunochemical investigations in newborn precolostral calves
9. Rinke M., Institut für Toxikologie/Pharma der Bayer AG, Abt. Pathologie, Wuppertal: Systemic siderosis after prophylactic parenteral iron administration to Munich mini-pigs with special reference to the kidneys

Farm Animal Pathology

Chairmen: H. Luginbühl (Bern), J. M. V. M. Mouwen (Utrecht)

10. Blanco A., Méndez A., Mozos E. Rodriguez J. L., Toledo V., Dpto. de Anatomía y Anatomía Patológica Comparadas, Facultad de Veterinaria, Córdoba: Ultrastructural modifications of spermatides of testicle lamb treated with stradiol and trenbolon acetat
11. Roperto F., Galat P., Marolino P., Papparella A., Dept. of Veterinary Pathology, Faculty of Veterinary Medicine, Napoli: Atypical basal bodies in the oviductal mucosa of gilts affected by primary ciliary dyskinesia
12. Re G., Badino P., Tartari E., Biolatti B., Di Carlo F., Girardi C., Dipartimento Patologia Animale, Laboratorio Farmacologia, Università di Torino: Clenbuterol long-term administration in finishing female pigs. Note 1: Effects on oestrogen and progesterone receptor (ER and PgR) distribution and concentration in genital tract
13. Biolatti B., Caramelli M., Re G., Badino P., Benatti G., Dipartimento Patologia Animale, Sezione Anatomia Patologica, Università di Torino: Clenbuterol long-term administration in finishing female pigs. Note 2: Genital lesions and evaluation of uterine nuclear oestrogen receptors
14. Marcato P.S., Bettini G., Della Salda L., Galeotti M., Istituto di Patologia generale e Anatomia patologica veterinaria, Università di Bologna: Preteleangiectasis of the bovine liver and capillarisation of sinusoids. Immunolabelling and electron microscopy
15. König F., Zwahlen R., Schaller J., Kämpfer U., Holden W., Roth D., Tontis A., Institut für Tierpathologie, Universität Bern: Bovine cardiomyopathy: Pathomorphogenetic and biochemical studies in yearling steers
16. Da Costa B., Djtali S., Sacre B., Kessler J. L., Fementa F., Parodi A. L., Laboratoire d'Anatomie-pathologique, Ecole National Vétérinaire d'Alfort: Demonstration by immunocyto-chemical methods of the T-lymphocytic origin of a familial bovine thymic lympho-sarcoma
17. Stockhoff-Zurwieden N., Stöber M., Pohlenz J., Institut für Pathologie, Tierärztliche Hochschule Hannover: Morphological characterisation of bovine mesothelioma
18. Boris G. de Gritz, Timo Rahko, College of Veterinary Medicine, Dept. of Pathology, Helsinki: Pathological findings in dietary produced oxidative stress in growing pigs

Toxicopathology

Chairmen: F. Harting (Mannheim), R. Rudolph (Berlin)

19. Ryffel B., Prentice D., Ettlin R. and Mihatsch M. J., Sandoz Pharma Ltd., Drug Safety, Institute of Pathology, University Basel: Tyzzer's Disease in immunosuppressed rats
20. Rosenbruch M., Med. Institut für Umwelthygiene, Abt. Exp. Pathologie, Universität Düsseldorf: Experimentally induced liver granulomas after long-term inhalation of quartz in non-human primates
21. Salem Hamdy A. M., Ebalal S. and Khalil S. A., Assuit University, Faculty of Vet. Med., Dept. of Pathology, Giza, Egypt: VitaminA, D3 and E as a treatment and prophylaxis in case of chronic organophosphorus toxicity in experimental animals
22. Hoffman R., Fischer-Scherl Th., Veeser A., Institut für Zoologie und Hydrobiologie, Universität München: Light- and electron microscopic effects of atrazin in rainbow trout (*Oncorhynchus mykiss*) after subchronic exposition
23. Germann P.-G., Kohler M., Ernst H., Mohr U., Institut für Experimentelle Pathologie, Med. Hochschule Hannover: Influence of social stress on the incidence and grade of amyloidosis in the Syrian golden hamster
24. Durán E., Gàsquez A., Roncero V., Masot J., Redondo E., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Caceres: Ultrastructural study of cyst walls discovered in the livers of wistar rats submitted to experimental treatment
25. Durán E., Gàsquez A., Masot J., Roncero V., Redondo E., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Caceres: Structural study of the hepatic parenchyma of the wistar rat after a treatment with a carcinogenic chemical
26. Roncero V., Gàsquez A., Durán E., Redondo E., Masot J., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Caceres: Experimental intoxication with lead nitrate: Histological studies of hepatic cells from tench, *Tinca tinca* L
27. Steinmann J., Kohler M., Aufderheide M., Mohr U., Institut für Experimentelle Pathologie, Med. Hochschule Hannover: Cytokeratin filaments of the liver of BALB/c-mice as a sensitive model for liver damages. Computer aided characterisation with the help of the image analysing system "IBAS"
28. Behne D., Weiler H., Kyriakopoulos A., Hilmert H., Scheid S., Gessner H., Elger W., Institut für Veterinär-Pathologie, Freie Universität Berlin: Study on the testis selenoproteins and the effects of selenium deficiency on testicular morphology (rat)
29. Rohr I., Tuch K., BYK Gulden Pharmaceuticals, Institute of pathology and Toxicology, Hamburg: Exocytosis of enterochromaffine like cells (ECL) in rat fundic mucosa after potent acid inhibition

Plenary Lecture for Prof. H. Stünzi's 70th birthday:

Die Neurowissenschaften in der Veterinärmedizin — Versuch einer Standortbestimmung
E. Dahme, München

Pathology of Lentivirus-Infections in Animals

Chairmen: F. Ehrensperger, P. Ossent, A. Pospischil, A. Waldvogel (Zürich)

30. Lutz H., Veterinärmedizinische Klinik der Universität Zürich: Biology of the Feline Immunodeficiency Virus (FIV)

31. Reinacher M., Institut für Veterinär-Pathologie, Justus-Liebig-Universität Gießen: Pathology of FIV-Infection
32. Ribas J. L., McClure H. M., Kanzler M. D., Dept. of Genitourinary Pathology, Armed Forces Institute of Pathology, Washington, USA: Comparative neuropathology of human (HIV) and simian (SIV) immunodeficiency virus infections in man and macaque monkeys
33. Hoffmann-Fezer G., Thum I., Hartmann K., Kraft W., Institut für Immunologie, GSF, Universität München: T-lymphocyte subpopulations in FIV-positive and -negative cats
34. Badiola J. J., Lujan L., Garcia Marin J. F., Simon M. C., Dpto. Patologica Animal, Facultad de Veterinaria, Universidad de Zaragoza: Incidence of pathological changes in sheep seropositive to maedi visna
35. González L., Cuervo I. A., Justo R. A., Idigoras I., Servicio de investigation y Mejora Agraria, Derio, Spain: Pathological and epidemiological aspects of the concurrence of Maedi and sheep pulmonary adenomatosis

Poster Session

Chairmen: F. Ehrensperger, P Ossent, A. Pospischil, A. Waldvogel (Zürich)

36. Wegmann P., Institut für Veterinärpathologie, Universität Zürich: Pathology of Swine - A portrait of economic loss of pig production in Switzerland
37. Fernandez de Luco D., Garcia Marin J F., Badiola J. J., Ortilles A., Dpto. Patologica Animal (Anatomia Patologica), Facultad de Veterinaria, Universidad de Zaragoza: Phalaris toxicosis in sheep in Spain
38. Carrasco L., Gómez-Villamandos J. C., Díaz E., Poveda J. B., Fernández A., Dpto. de Anatomía y Anatomía Patológica Comparadas, Facultad de Veterinaria, Córdoba: Intravascular macrophages in the lung of rabbits with experimental viral haemorrhagic disease
39. Nieto J. M., Vidal S., Moya L., Alvares C., Romano J., Unidad de Anatomía Patológica, Facultad de Veterinaria, Lugo: Hepatic lesions in progressive Aleutian disease of mink: The role of Kupffer cells
40. Redondo E., Gàsquez A., Durán E., Roncero V., Masot J., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Cáceres: Ultrastructural and physiopathological analysis of pigs glomerular filtration barrier after experimental shock
41. Straumann Kunz U., Pospischil A., Corboz L., Institut für Veterinärpathologie, Universität Zürich: Comparison of adhesion of enteropathogenic *E. coli* (EPEC) in vivo and in vitro: an ultrastructural study
42. Sydler T., Pospischil A., Bertschinger H. U., Institut für Veterinärpathologie, Universität Zürich: Peripheral intestinal nervous system (Plexus submucosus) in experimental edema disease of conventional pigs
43. Roncero V., Durán E., Redondo E., Masot J., Gàsquez A., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Cáceres: Enzootic nasal adenocarcinoma of sheep in Spain
44. Geyer C., Stiglmair-Herb M. and Hermanns W., Institut für Tierpathologie, Universität München: Contribution to the histogenesis of granular cell tumors
45. Benazzi C., Marcato P. S., Galeotti M., Istituto di Patologia generale e Anatomia patologica veterinaria, Università di Bologna: Immunolabeling of basement membrane components in

adenocarcinomas of the mammary gland of the dog and cat

46. Ribas J. L., Dept. of Genitourinary Pathology, Armed Forces Institute of Pathology, Washington, USA: Application of immunocytochemistry in canine neuro-oncology
47. Ossent P., Institut für Veterinärpathologie, Universität Zürich: A simple procedure for the gross and histopathological examination of the bovine hoof
48. Waldvogel A. S., Hassmann S., Tratschiun J. D., Siegl G., Pospischil A., Institut für Veterinärpathologie, Universität Zürich: In situ hybridization: A method to confirm the etiological diagnosis of parvovirosis enteritis in dogs and cats
49. Redondo E., Roncero V., Masot J., Duran E., Gazquez A., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Caceres: Enteric, cardio-pulmonary and mixed forms of canine parvovirosis. Histopathological study and analytical determination
50. Straumann Kunz U., Pospischil A., Paccaud M., Institut für Veterinärpathologie, Universität Zürich: Immunohistochemical detection of Chlamydiae in tissue sections fixed in formalin - Comparison of a monoclonal with a polyclonal viteline antibody
51. Wunderlin E., Pospischil A., Institut für Veterinärpathologie, Universität Zürich: Peroxidase-antiperoxidase labelling of Leishmania amastigotes in tissue sections
52. Steiger R., Stauman Kunz U., Hauser B., Deplazes P., Eckert J., Isenbügel E., Baumann R., Pospischil A., Institut für Veterinärpathologie, Universität Zürich: Pathological findings of Echinococcosis in monkeys (*E. granulosus* and *E. multilocularis*). A report of 4 cases
53. Stoercklé-Berger N., Berger B., Ackermann M., Hauser B., Ehrensperger F., Institut für Veterinärpathologie, Universität Zürich: Immunohistochemical studies on rabbit haemorrhagic disease (RHD)
54. Renzoni G., Tolari F., Taccini E., Cantile C., Braca G., Dipartimento di Patologia Animale, Facoltà di Medicina Veterinaria, Pisa: Ovine lentivirus infection: arthritis in sheep related to virus isolation by synovial membrane explants
55. Redondo E., Masot J., Duran E., Gazquez A., Dept. of Animal Health and Medicine, Histology and Pathology, Vet. Faculty, Caceres: Clinical and pathological findings on spontaneous B. R. S. V. infection in yearling sheep
56. Domingo M., Pumarola M., Ramis A. J., Marco I., Histología y Anatomía Patológica, Facultad de Veterinaria de la UAB, Bellaterra, Barcelona: Spontaneous haemopericardium in captive reared *Tetrao uragallus*

Poultry, Wild and Zoo-Animals

Chairmen: R. V. A. Ducatelle (Gent), F. Guarda (Torino)

57. Uyttenbroek E., Nauwynck H., Ducatelle R., Callebaut P., Charlier G., Pensaert M., Dept. of Avian Pathology and Virology, Faculty of Veterinary Medicine, University of Ghent: Pathology and etiology of natural and experimental European Brown Hare Syndrome (EHBS)
58. Guarda F., Cerruti Sola S., Dept. of Animal Pathology, University of Torino: Pathology of aging in the chicken
59. Vesselinova A., Institute of Microbiology, Bulgarian Academy of Sciences, Sofia: Immuno-morphologic changes in Golden Hamsters caused by *Yersinia pestis* EV aerosol infection
60. Zanger N., Müller M., Institut für Tierpathologie, Universität Bern: Endemic papillomatosis of viral origin in water fowl of the Zoological Garden Basle

61. Pagan O., Müller M., Institut für Tierpathologie, Universität Bern: Disecdysis in snakes: non-infectious and infectious aetiopathogenesis, with special reference to the first viral dermatitis
62. Müller M., Zanger N., Institut für Tierpathologie, Universität Bern: Endogenous-lipid pneumonia, a new type of pneumonia in birds: a possible model in human cholesterol pneumonia research?

Infectious Diseases

Chairmen: G. Trautwein (Hannover), M. Vandeveld (Bern)

63. Nieto J. M., Ferrer L., Vidal S., Fondvilla D., Fernandez R., Departamento de Patología Animal, Universidad de Santiago de Compostela, Facultad de Veterinaria Lugo: Histopathological, immunohistochemical and electron microscopy methods for diagnostic on fox distemper infection
64. Baumgärtner W., Adami M., Institut für Veterinär-Pathologie, Justus-Liebig-Universität Gießen: Occurrence of canine distemper virus infection in non-domestic carnivores: distributions of viral antigen in brain tissues
65. Pohlmeyer G., Pohlenz J., Liebler E., Institut für Pathologie, Tierärztliche Hochschule Hannover: Alterations of the gut associated lymphoid tissue (GALT) in harbour seals during the epidemic in 1988
66. Castano M. Gómez M., Pena L. Flores J. M., González M., Departamento de Patología Animal II, Ciudad Universitaria, Madrid: Immunohistological study of kidney from dogs with spontaneous leishmaniasis
67. Zimmer K., Bogantes J. C., Herbst W., Räther W., Institut für Veterinär-Pathologie, Justus-Liebig-Universität Gießen: Poxvirus infection in a cat and her owner
68. Leblanc, B., Ne Net J.-H., Masson M.-T., Boiziau J.-L., Picard A., Centre de Recherche, Laboratoire Pfizer, Amboise Cedex: Proliferative gastritis with intracellular bacteria in a Beagle dog

Experimental and Tumor Pathology

Chairmen: K. Dämmrich (Berlin), W. Hermanns (München), J. Hoorens (Gent)

69. Griot C., Vandeveld M. Richard A., Peterhans E. and Stocker R., Institutes of Animal Neurology and Veterinary Virologie, University of Berne: Toxic effect of reactive oxygen species on oligodendrocytes
70. Holden W., Zwahlen R., Holum M., Institut für Tierpathologie, Universität Bern: Alternatives to in vivo animal experimentation: Development of a novel invitro system to study neutrophil-endothelium interaction
71. Roth D., Zwahlen R., Institut für Tierpathologie, Universität Bern: In vivo neutrophil mobilization after intradermal injection of complement factors and endotoxin: Functional differences between newborn calves and adult cattle
72. Poli A., Abramo F., Guidi G., Nigro M., Dipartimento di Patologia Animale, Facoltà die Medicina Veterinaria, Pisa: A case of glomerulonephritis in a dog resembling IgA nephropathy in man
73. Hewicker M., Zipfel W., Trautwein G., Institut für Pathologie, Tierärztliche Hochschule Hannover: Contribution to the immunohistological diagnosis of autoimmune skin diseases
74. Castagnaro M., Negro M., Guarda F., Dipartimento di Patologia Animale, Facoltà di medicina Veterinaria, Università degli Studi, Torino: Electron microscope observations on atrial myo-

endocrine cardiac cells in bovine, pig and rabbit heart tissue

75. Geisel O., Kusch S., Geisenberger M., Hermanns W., Institut für Tierpathologie, Universität München: On the incidence of some malignant neoplasms of the dog in the post mortem material over a 35-year-period (1955-1989)
76. Van der Gaag, I. van Djik J. E., Molenbeek R. F., Institute of Veterinary Pathology, State University Utrecht: Immunohistochemical studies of inflammatory and lymphosarcomatous lesions in the gastrointestinal tract in dogs
77. Fondevilla D., Rabanal R., Ferrer L., Dept. of Veterinary Pathology, Veterinary School, Barcelona: Immunoreactivity of canine mast cell tumors
78. Colbatzky F., Darbès, J., Minkus G., Hermanns W., Institut für Tierpathologie, Universität München: Identification of canine and feline megakaryocytic cells (normal/leukemic) by the demonstration of glycoprotein gpIIb/IIIa and von Willebrand factor
79. Castagnaro M., Valenza F., Dipartimento di Patologia Animale, Facoltà di Medicina Veterinaria, Università degli Studi, Torino: Lectin histochemistry of normal and neoplastic canine testicle
80. Thoonen H., Broekaert D., Coucke P., Maenhout T., Hoorens J., Dept. of Veterinary Pathology, Ghent State University: Expression of cytokeratines in epithelial tumours of the dog investigated by monoclonal antibodies
81. Elsinghorst Th. A. M., Mathijssen A. H. H. M., Institute of Veterinary Pathology, State University Utrecht: Building an bibliographic database for everyday use in veterinary diagnostic pathology
82. Mathijssen A. H. H. M., Elsinghorst Th. A. M., Institute of Veterinary Pathology, State University Utrecht: How to tackle the avalanche of periodical literature in the field of pathology?

11th Autumn Meeting

European Society of Veterinary Pathology

23. – 26. September 1992

Zaragoza, Spain

President: F. Hartig, Mannheim
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Program and Abstracts



**EUROPEAN SOCIETY
OF
VETERINARY PATHOLOGY**

11th AUTUMN MEETING

September 23-26th, 1992
Zaragoza (Spain)

1. W. Baumgärtner, Sabine Bachmann, Institut für Veterinär-Pathologie, Justus-Liebig-Universität, Gießen, Germany: *Coxiella burnetii* associated abortion in the mouse
2. Elke Atzpodien, W. Baumgärtner, Institut für Veterinär-Pathologie, Justus-Liebig-Universität, Gießen, Germany: Effect of cyclophosphamide treatment on spread and distribution of *Coxiella burnetii* in BALB/CJ (H-2D) mice
3. Novoa, C., Pickering, Z., Sánchez, B., García, P., Castaño, M., Department of Animal Pathology II, Veterinary School, Complutense University, Madrid, Spain: Immunohistochemical study of tuberculous granuloma (*Mycobacterium bovis*) in carnivores
4. Chàvez Gris, G.1, ¹García Marín, J. F., ²Adúriz, G., ¹Moreno, B., ¹Gutiérrez, M., ¹Badiola, D. J. J., ¹Depto. Patología Animal (Anatomía Patológica), Fac. Vet., Zaragoza, Spain, ²Servicio de Investigación y Mejora Agraria, Derio, Vizcaya, Spain: Preliminary results of the comparative study of early response to *Mycobacterium avium* and *Mycobacterium paratuberculosis* in experimental infected lambs
5. Pérez, V., García Marín J. F., Badiola, D., J. J., Depto. Patología Animal., Facultad de Veterinaria, Zaragoza, Spain: Pathological features in sheep naturally infected with *M. paratuberculosis*
6. Pérez, V., García Marín J. F., Adúriz, J. J., Badiola, J. J. Dpto. De Patología Animal., Facultad de Veterinaria, Zaragoza, Spain: Evaluation of the pathological methods in the knowledge of the sheep paratuberculosis prevalence
7. M. Barberan, C. M. Marín, M. P. Jiménez de Bagués, J. M. Blasco, Comparison of bacteriological and histopathological results in rams experimentally infected with *Brucella ovis*
8. M. Barberan, M. P. Jiménez de Bagués, C. M. Marín, J. M. Blasco, Allergic response against a *Brucella*-cytoplasmic antigen of mice infected with *Brucella ovis*
9. Irène Zahn, Ursi Straumann Kunz, A. Pospischil, Institute of Veterinary Pathology, Zürich, Switzerland: Intestinal Chlamydia in pigs
10. Ursula Straumann Kunz¹, Richard Hoop², A. Pospischil¹, Institute of Veterinary Pathology¹, Institute of Veterinary Bacteriology², University of Zürich, Zürich, Switzerland: Routine diagnostic immunohistology for Chlamydia psittaci in birds
11. Mercedes Marin de Mateo¹, Massimo Castagnaro¹, Sandra Adams², Ronald P. Hedrick³, ¹Dipartimento di Patologia Animale, Torino, Italy, ²Institute of Aquaculture, University of Stirling, Stirling, Scotland, ³Department of Medicine, School of Veterinary Medicine, University of California, Davis, U. S. A.: Development of specific diagnostic techniques for proliferative kidney disease (PKD) of salmonid fish
12. W. Wouda, F. van Knapen, I. J. R. Visser, F. J. H. Sluijter, Gezondheidsdienst voor Dieren Noord-Nederland, Drachten, Rijksinstituut voor Volksgezondheid en Milieuhygiëne, Bilthoven, Netherlands: Bovine abortion due to Neospora-like protozoa
13. R. Bahnemann, W. Mellert, K.U. Meier, C. Bauer, Pathology Unit, Department of Toxicology of BASF AG, Ludwigshafen/Rh., F. R. G.: Pulmonary verminosis (*Filaroides hirthi*) in an beagle colony
14. González, L.¹, Marco, J. C.¹, Oregui, L. M.¹, Cuervo, L. A.¹, Korkostegi, J. L.², Idigoras, I.¹, ¹Servicio de Investigación y Mejora Agraria, DERIO (Vizcaya), Spain, ²Servicio de Guanadería. Diputación Foral de Guipúzcoa. DONOSTIA, Spain: Facial eczema of sheep
15. P. Wohlsein¹, G. Trautwein¹, T. Harder², B. Liess², K. Inui³, T. Barrett³, ¹Institute of Pathology and ²Institute of Virology, School of Veterinary Medicine, Hannover, Germany, ³Institute for Animal Health, Pirbright Laboratory, Pirbright, Great Britain: Distribution of Rinderpest viral

- antigen in organs of experimentally infected cattle
- 16. L H. Thomas, G. Taylor, C. J. Howard, R. S. Cook, J. M. Furze, P. Sopp, S. G. Wyld, AFRC, Institute for Animal Health, Compton, Newbury, UK: Influence of selective lymphocyte depletion on the pathology of bovine respiratory disease caused by respiratory syncytial virus
 - 17. A. J. Masot, A. Gazquez, L. Gomez, E. Duran, E. Redondo, Histology and Pathology, Fac. Vet. Medicine, University of Extremadura, Cáceres, Spain: Location of BRSV antigens in the lung of experimentally infected lambs
 - 18. ¹Hewicker-Trautwein, M., ²Liess, B., ²Moennig, V., ¹G. Trautwein, ¹Institut für Pathologie, ²Institut für Virologie, Tierärztliche Hochschule Hannover, Germany: Brain malformations in the ovine fetus following experimental infection with bovine viral diarrhoea virus (BVDV)
 - 19. Fernández de Luco, D., García Marín J. F., De las Heras, M., García de Jalón, J. A., Pérez, V., Dpt. Patología Animal, Facultad de Veterinaria, Zaragoza, Spain: Aujeszky disease in sheep: Histopathological and immunohistochemical study on the CNS of naturally infected animals
 - 20. N. J. Watt, Department of Veterinary Pathology, University of Edinburgh, Veterinary Field Station, Easter Bush, Midlothian, Scotland: Studies on the pathogenesis of intestinal lung disease induced by Maedi/Visna virus infection in sheep
 - 21. R. Rosadio, J. M. Sharp, Moredun Research Institute, Edinburgh, Scotland: Leukocyte frequency alterations in sheep with naturally and experimentally-induced ovine lung cancer
 - 22. De las Heras, M. Jaime, J. García de Jalón, J. A., Ferrer, L. M., Goiti, M., Minguillón, E., Departamento de Patología Animal, Universidad de Zaragoza, Spain: Significance of variation in anatomical forms of sheep pulmonary adenomatosis
 - 23. Mariano Domingo¹, José A. Ramos¹, Margaret Miller², Esther López¹, Joan Pujols³, ¹Facultad de Veterinaria, Universidad Autónoma, Barcelona, Spain, ²Veterinary Medical Diagnostic Laboratory, University of Missouri, Columbia, U.S.A., ³Institut de Recerca i Tecnologia Agrícola i Alimentàries (IRTA), Barcelona, Spain: Pathologic, immunocytochemical, and electron microscopic studies of porcine respiratory and reproductive syndrome (PRRS) in Spain
 - 24. S. Broll, A. S. Waldvogel, M. Rosskopf, A. Pospischil, Institute of Veterinary Pathology and Institute of Virology, University of Zürich, Switzerland: Diagnosis of abortion, stillbirth and mummification in swine: prevalence of infectious agents in Switzerland
 - 25. A. Fernández, ¹F. Rodríguez, J. Pérez, ²J. M. Sanchez-Vizcaio, M. A. Sierra, Dpt. Histology, Pathological Anatomy. Veterinary Faculty, Cordoba, Spain, ¹Canary Islands Veterinary Faculty, ²Dpt. Virology, INIA, Madrid: African Swine Fever in experimentally miniature-pigs: an immunohistological study
 - 26. J. A. Morales¹, Chris Zink², K. Fresel¹, Sibylle Herzog³, O. Narayan², ¹Institut für Veterinär-Pathologie der Justus-Liebig-Universität Gießen, ²Retrovirus Biology Laboratories, The Johns Hopkins University, School of Medicine, Baltimore, Maryland, U.S.A., ³Institut für Virologie der Justus-Liebig-Universität Gießen: Comparative immunocytochemical and in situ-hybridization studies on the occurrence of borna disease virus-specific protein and RNA in brains of horses with spontaneous borna disease
 - 27. Susanne Alldinger¹, W. Baumgärtner¹, C. Örvell², ¹Institut für Veterinär-Pathologie der Justus-Liebig-Universität Gießen, ²National Bacteriological Laboratory, Stockholm, Sweden: Expression of major canine distemper virus proteins in brains of naturally infected dogs
 - 28. Parodi, A. L., Femenia, F., Crespeau, F., Fontaine, J.J., Moraillon, A., Dept. of Veterinary

Pathology, Dept. of Medicine and Surgery of Small Animals, Ecole Nationale Vétérinaire, Alfort, Cedex, France: A histopathological study of the feline immunodeficiency virus (FIV) induced persistent generalised lymphadenopathy (PGL) in cats

29. Silvotti L., ¹Quintavalla F., ²Corradi A., ²Borghetti P., Donatini A., ²Cabassi E., ²Piedimonte G., Istituto di Patologia Generale, Faoltà di medicina e Chirurgia, Parma, ¹Istituto di Clinica Medica Veterinaria, ²Istituto di Anatomia Patologica Veterinaria, Facolta di Medicina Veterinaria, Parma, Università degli Studi di Parma: Morphological aspects of monocyte/macrophage cultured from cats spontaneously infected by feline immunodeficiency virus (FIV)
30. E. Holznagel, M. Reinacher, Inst. für Veterinär-Pathologie, Justus-Liebig-Universität, Gießen: Diagnosis of FIV infection in cats at necropsy
31. Steven McOrist, Neil J. Watt, Department of Veterinary Pathology, University of Edinburgh, Veterinary Field Station, Easter Bush, Midlothian, Scotland: An extended outbreak of feline infectious peritonitis in an colony of captive European wildcats (*Felis silvestris*)
32. G. R. Pearson¹, J. M. Wyatt¹, T. J. Gruffydd-Jones¹, J. Hope², A. Chong², A. C. Scott³, G. A. H. Wells³, ¹University of Bristol, Veterinary School, ²AFRC Neuropathogenesis Unit, Edinburgh, ³Central Veterinary Laboratory, Weybridge, UK: Feline spongiform encephalopathy: Histopathological, fibril and PrP studies
33. Marcato, P. S., Di Emidio, B., Benazzi, C., Della Salda, L., Galeotti, G., Capucci, L., Spinaci, M., Lucidi, P., Poemi, M. G., Istituto di Patologia Veterinaria, Università di Bologna, Italia: Necrotic hepatitis experimentally induced in the rabbit by 3 strains of viral haemorrhagic disease (VHD) calicivirus. I. Hepatic and extrahepatic histopathology
34. Marcato, P. S., Di Emidio, B., Benazzi, C., Della Salda, L., Galeotti, G., Capucci, L., Spinaci, M., Lucidi, P., Poemi, M. G, Istituto di Patologia Veterinaria, Università di Bologna, Italia: Necrotic hepatitis experimentally induced in the rabbit by 3 strains of viral haemorrhagic disease (VHD) calicivirus. II. Immunohistochemistry and electron microscopy
35. Bartels, Th.¹, Schäfer, H. ³, Liebermann, Ht.², Burger, R.³, Beyer, J.², ¹Institut für Veterinär-Pathologie, Humboldt-Universität Berlin, ²Friedrich-Loeffler-Institut, Insel Riems, ³Robert-Koch-Institut, Berlin: T-cell response against foot-and-mouth disease virus in vivo and in vitro
36. F. Taugner¹, U. Buchholz², R. Rudolph¹, V. v. Bülow², ¹Institut für Veterinärpathologie der Freien Universität Berlin, ²Institut für Geflügelkrankheiten der Freien Universität Berlin: Comparative immunoperoxidase staining of two different chicken anaemia agent (CAV) isolates in experimentally inoculated chickens
37. J. Martín de Mulas, A. Espinosa de los Monteros, J. L. Rodríguez, A. Blanco, A. Jover, Dpt. of Anatomy and Comparative Pathology, Veterinary Faculty of Córdoba, Spain: Immunohistochemical evaluation of intermediate filament expression in feline neoplasms
38. R. M. Rabanal, ¹R. W. Else, Veterinary School, UAB, Barcelona, Spain, ¹Dep. Vet. Pathology, Royal (Dick) School of Veterinary Studies. University of Edinburgh, UK: Immunohistochemical localization of cytokeratins and vimentin in canine mammary tumours
39. Della Salda L., Sarli G., Benazzi C., Marcato P. S., Istituto di Patologia Veterinaria, Università di Bologna, Italia: Anaplastic mammary carcinoma with giant cells in carnivora. Immunohistochemical and ultrastructural analysis of three cases
40. Benazzi C., Sarli, G., Galeotti, M., Marcato P. S., Istituto di Patologia Veterinaria, Università di Bologna, Italia: Distribution patterns of laminin, type IV collagen and type VII collagen in mammary tumors of the dog and cat

41. Sarli G., Benazzi C., Marcato P.S., Istituto di Patologia Veterinaria, Università di Bologna, Italia: Determination of the growth fraction in benign and malignant breast tumors of the dog and cat by anti-PCNA monoclonal antibody
42. Peña, L., Flores, J. M., Sanchez, M. A., Rodriguez, A. Gonzales, M., Castaño, M., Department of Animal Pathology II. Veterinary Faculty Complutense University of Madrid, Spain: Detection of α_5 and β_1 subunits of the integrin family in canine mammary tumours
43. Maria da Conceição Peletreiro, Faculdade de Medicina Veterinária, Lisboa, Portugal: Diagnostic cytology of breast cancer hormonal receptors
44. R. W. Else (1), 1E. Mills (2), Department of Veterinary Pathology, Royal (Dick) School of Veterinary Studies. University of Edinburgh, UK: The effects of an anti-oestrogen, tamoxifen, on tumourigenesis of canine mammary carcinoma cells in nude mice and spontaneous canine neoplasia
45. Duran, M. E., Castagnaro M.**, Gomez, L.* , Roncero, V.* , Gazquez, A.* , *Department of Medicine and Animal Health, Faculty of Veterinary Sciences, Cáceres, Spain, **Department of Animal pathology, Faculty of Sciences, Torino, Italy: Immunohistochemical characterization of biliary cystadenoma origin using lectins
46. P. Hauff, A. Thomschke, H.-G. Basikow*, S. Hoffmann, Max Delbrück Centre for Molecular Medicine, Berlin, FRG, *District Institute of Drugs, Food and Animal Epidemics, Berlin, FRG: Histological investigations of lymphomas, leukaemias and skin tumors in hamsters and HAPV-transgenic mice
47. Anja Kipar, K. Frese, Institut für Veterinär-Pathologie, Justus-Liebig-Universität, Gießen, Germany: A case of an ileal carcinoid in a dog
48. Pumarola, M.¹, Mascort, J.², Rabanal, R.¹, I. Ferrer³, ¹Dpt. of Pathology and Animal Production, Faculty of Veterinary Medicine, U.A.B, ²Hospital Ars Veterinaria, Barcelona, ³Dept. of Pathology, Hospital Príncipes e España, Medicine School, U.B.: Intrathoracic paravertebral non-functional paraganglioma involving the spinal cord of a dog
49. H. B. Nothelfer, Institut für Veterinär-Pathologie der Freien Universität Berlin: Morphological and immunocytochemical findings in canine hypercorticism
50. M. Caniatti, P. Roccabianca, E. Scanziani, Istituto di Anatomia patologica Veterinaria e Patologia Aviare, Università degli Studi, Milano, Italy: Nucleolar organiser in canine lymph node pathology
51. Klaus Tuch, Byk Gulden, Institute for Pathology and Toxicology, Hamburg, FRG: The spectrum of right heart auricular lesions in the beagle dog after treatment with B8509-034
52. B. Biolatti, E. Bollo, S. Appino, G. Re, Dipartimento di Patologia Animale, Torino, Italy: Pathological findings following chronic administration of clenbuterol in veal calves
53. M. Dacastro, F. Valenza, C. Nebbia, G. Re, Dipartimento di Patologia Animale, Torino, Italy: Comparative effects of the subacute administration of triphenyltin acetate (TPTA) in rabbits and sheep
54. G. C. M . Grinwis, G. M. Dorresteijn, Department of Veterinary Pathology, Utrecht University, Netherlands: Experimental hemosiderosis in pigeons
55. Roncero, V., Naranjo, G., Soler, F., Durán, E., Hermoso, M., Gómez, L., Dept. Medicina y Sanidad Animal, F. Veterinaria de Cáceres, España: Leukoencephalomalacia of horses by ingestion of moldy corn

56. Weikel, J., Dangschat, H, Animal Health Service of Bavaria, Grub, Germany: Spongiforme myelopathy in brook and brown trout due mineral oil poisoning
57. Christina Gondolf, E. Burkhardt, Institut für Veterinärpathologie Justus-Liebig-Universität Gießen, Germany: A new colorimetric assay for measuring natural killer cell activity in the peripheral blood of dogs
58. Galeotti, M.1, 1Comar F., 2Mutinelli F., 3Perissutti S., 3Tedesco F., 1Dipartimento di Scienze della produzione animale, Univ. Udine, Italy, 2Istituto Zooprofilattico Sperimentale delle Venezie, Padova, Italy, 3Istituto di Patologia Generale, Univ. Trieste, Italy: Production and evaluation of dialyzable leukocyte extract (DLE) in bovine with specific activity for human hepatitis B virus
59. R. Zwahlen, F. Molina, 1M. Spycher, M. Wyder-Walther, Department of Veterinary Pathology, University of Bern, 1Blood Transfusion Service RSC, Central Laboratory, Bern, Switzerland: Cytoskeletal functions, phagocytosis, and cell size of bovine neonatal neutrophils: A comparative study with adult cattle
60. Kaup, F.-J.1, 2B. Meier, 1W. Drommer, 3H. v. d. Boom, 1Institut für Pathologie und 2Chemisches Institut der Tierärztlichen Hochschule Hannover, 3Orthopädisches Rehabilitationszentrum, Annastift Hannover: Identification and localization of reactive oxygen species in rheumatoid arthritis of man
61. Vilafranca, M., P. Wohlsein, G. Trautwein, Institute of Pathology, School of Veterinary Medicine, Hannover, Germany: Histological and immunohistological findings in canine glomerulonephritis
62. M. G. Canese, G. Ru, A. Sereno, C. Brovida, S. Bo, Dipartimento di Patologia Animale, Torino, Italy: Glomerulopathy in cat and dog. An electron and a light microscopical study
63. Rodriguez, A., Castagño, M., Gonzales, M., Peña, L., Flores, J. M., Pizarro, M., Department of Animal Pathology II, Veterinary School, Complutense University, Madrid, Spain: Chronic interstitial disease of the equine lung: immunocytochemical aspects
64. Corradi, A., Di Lecce, R., 1Gnudi, G., 2Cacchioli, A., Gianelli, P., Istituto di Anatomia Patologica Veterinaria, 1Istituto di Radiologia Sperimentale Veterinaria, 2Istituto di Anatomia Degli Animali Domestici, Facolta di Medicina Veterinaria, Parma, Italy: Cerebellar abiotrophic ataxia in two quarter horse: pathological findings
65. Carretero, A., Prats, N., Fernandez, M., Ruberte, J., Pumarola, M., Department of Pathology and Animal Production, Faculty of Veterinary Medicine, Autonomous University of Barcelona, Spain: Multiple vertebral malformation associated with syringomyelia in a dog
66. P. J. Brown, J. P. Henderson, P. Galloway, H. O'Dair, 1J. M. Wyatt, University of Bristol Veterinary School, Langford, Bristol, UK, 1Abbey Veterinary Services, Newton Abbott, UK: Peliosis hepatis and teleangiectasis in cats
67. Flores, J. M., Sánchez, M. A., Peña, L., Rodríguez, A., Pizarro, M., Mateos, E., Department of Animal Pathology II, Veterinary School, Complutense University, Madrid, Spain: Cytogenetic and histological study of testicular hypoplasia in polled murciano-granadina male goats
68. Marcato, P. S., Benazzi, C., Bettini, G., 1Masi, M., 2Vecchhi, G., Istituto di Patologia Veterinaria, Unviersità di Bologna, 1U.S.L. 24 - Budrio, 2I.Z.S. Lombardia ed Emilia - Sez. di Bologna, Italia: Blood and serous cysts in the atrioventricular valves of the bovine heart
69. T. S. G. A. M. van den Ingh, Th. A. M. Elsinghorst, Dept. Pathology, Faculty of Veterinary Medicine, Utrecht, The Netherlands: Image databases: construction and application in veterinary pathology

70. L. W. Davies, A. L. White, J. K. O'Brian, G. R. Pearson, University of Bristol, School of Veterinary Science, Langford, Bristol, United Kingdom: Anoplocephala perfoliata in the horse: pathological changes at the ileo-caecal junction
71. H. Weißenböck, Institut für Pathologie und Gerichtliche Veterinärmedizin, Veterinärmedizinische Universität Wien: An outbreak of toxoplasmosis in a pig herd. Histological and immunological observations
72. L. Carrasco, M. J. Bautista, J. C. Gómez-Villamandos, A. Méndez, A. Jover, Dpt. Histology and Pathological Anatomy, Veterinary Faculty, Cordoba, Spain: African swine fever: demonstration of virus antigens by means of monoclonal antibodies
73. Cammarata, G., Parodi Cammarata, M., ¹Paltinieri, S., Ape, F., Istituto di Patologia Veterinaria e Patologia Aviare - Milano, ¹Istituto di Patologia Generale Veterinaria - Milano: Direct immunofluorescence in detecting FIPV in peritoneal and pleural effusions as a diagnostic test
74. I. Begara, L. Lujàñ, D. D. S. Collie, N. J. Watt, Department of Veterinary Pathology, Veterinary School, University of Edinburgh, Scotland: Phenotypic analysis of cells in bronchoalveolar lavage fluid (BALF) of Maedi visna infected animals
75. Moreno Burgos, B., Chávez Gris, G., García Marín, J. F., Depto. Patología Animal (Anatomía Patológica), Fac. Vet. Zaragoza, Spain: Pneumonia in feedlot and suckling lambs
76. J. L. Rodríguez, ¹C. Gutierrez, F. Rodríguez, A. Espinosa, J. Oroz, A. Fernández, Dpt. Histology and Pathological Anatomy, ¹Dpt. Clinical Pathology Canary Islands Veterinary Faculty, University of Las Palmas de Gran Canaria, Spain: An outbreak caused by Mycoplasma mycoides species in goats in the Canary Islands
77. Gutierrez Cancela, M. M., Garcia Marin, J., Depto. Patología Animal (Anatomía Patológica), Fac. Veterinaria, Zaragoza, Spain: Evaluation of avidin-biotin-peroxidase complex and Ziehl-Neelsen methods in the detection of *M. bovis* antigens in different types of tuberculosis lesions from cattle and goats
78. L. Balaguer, J. M Nieto, A. Lopez, A. Barreiros, ¹J. Latas, Dep. De Patología Animal, Universidad de Santiago de Compostela, Facultad de Veterinaria, Lugo, Spain, ¹Centro de recuperación del veral, Lugo, Spain: Acid-fast bacilli infection in wild birds of prey
79. Pizarro, M., ¹Matinez-Aleson, R., Garcia, P., Flores, J. M, Sanchez, B., Sanchez, M. A., Dpt. Animal Pathology II, Veterinary Fac., Madrid, Spain, ¹Trouw Iberica S. A., Madrid, Spain: Pathological findings in an experimental stunting syndrome of broiler chickens
80. A. Ramis, D. Fondevila, J. Tarrés, R. Rabanal, L. Ferrer, Histology and Pathology Unit, School of Veterinary Medicine, Universidad Autonoma Barcelona, Spain: Immunocytochemical diagnosis of Pacheco's disease
81. Guerrero, F.¹, Quiroga, M. I., Peña, M., Nieto, J. M., Dep. of Animal Pathology and Dep. of Anatomy and Animal Production¹, Unity of Veterinary Pathology Diagnosis, Lugo, Spain: Ultrastructure of microsporidiosis in turbot (*Scophthalmus maximus*)
82. Roncero, V., Gázquez, A., Durán, E., Gómez, L., Masot, J., ¹Carapeto, R., Dept. Medicina y Sanidad Animal, F. Veterinaria de Cáceres, Espagna, ¹Servicio Anat. Patol. Hospital San Pedro de Alcántara. Cáceres: Malignant melanoma in internal organs of large with pigs
83. E. Mozos, J. Matín de las Mulas, J. Pérez, ¹L. Thomas, ¹M. Estrada, Dpt. of Anatomy and Comparative Pathology, Veterinary Faculty of Córdoba. Spain, ¹Lab. Histopathologie "Mialot & Lagadic". Paris: A canine epithelioid sarcoma: clinical, histopathological and immunohistochemical features

84. Borghetti, P., Cabassi, A., Regolisti, G., Fusari, A., Corradi, A., Istituto di Anatomia Patologica Veterinaria, Facoltà di Medicina Veterinaria, Parma: Istituto di Clinica Medica e Nefrologia, Facolta di Medicina Chirurgia, Parma, Italy: Acute carbadox poisoning in swine: electrolytic metabolism and hormonal patterns
85. Timo Rahko, Jere Lindèn, Department of Pathological Anatomy, College of Veterinary Medicine, Helsinki, Finland: Structural features in the pineal gland of normal and TCDD-intoxicated rats
86. Meijers, M., HogenEsch, H., Tooten, P., Bos-Kuypers, M. H. M., Niewold, T. A. , Higuchi, K., Gruys, E., Department of Veterinary Pathology, University of Utrecht, Institutes TNO Health Research Leiden and TNO-ITV Zeist, The Netherlands and Chest Disease Research Institute, Kyotot, Japan: Senile (Aapo-AII) and secondary (AA) amyloidosis in mice during chronic toxicity studies
87. Devesa, S.¹, Lopez, M., Quiroga, M. I., Guerrero, F., Nieto, J. M., Unity of Veterinary Pathology Diagnosis. Vet. School of Lugo, Lugo, Spain, ¹Neptuno Atlantico, S.A. Riveira, Spain: Histopathological and ultrastructural findings in gills of turbots (*Scophthalmus maximus*) died after a storm
88. S. Gomez, A. Bernabe, M. A. Gomez, J. A. Navarro, J. Sanchez, Histologia y Anatomia Patologica, Facultad de Veterinaria Universidad de Murcia, Spain: Visceral granulomatosis in the gilt-head sea bream (*Sparus aureus* L. 1768)
89. T. Hänichen, L. Bettinelli, W. Hermanns, G. Dirksen, Department of Veterinary Pathology, University of Munich, Germany: Ruminal hyperkeratosis and ruminitis in young calves due to ruminal drinking
90. P. Ossent, H. Stocker, Institut für Veterinärpathologie, Klinik für Geburtshilfe, Jungtier- und Euterkrankheiten mit Ambulatorium, University of Zürich, Switzerland: Spinal muscle atrophy in brown swiss calves
91. Krueger, N., Hewicker-Trautwein, M., Urban, K., G. Trautwein: Institut für Pathologie, Tierärztliche Hochschule Hannover, Germany: Immunocytochemical study of neuronal and glial cell markers in the developing bovine brain
92. M. E. S. Pirie, S. Love, H. M. Pirie, N. G. Wright, University of Glasgow Veterinary School, Glasgow, Scotland: Abnormalities of the internal surfaces of the lungs of horses with chronic obstructive pulmonary disease (C.O.P.D.)
93. Elke Atzpodien, W. Baumgärtner, Institut für Veterinärpathologie Justus-Liebig-Universität Gießen, Germany: In situ quantitation of immunocytochemically labelled lymphocytes and macrophages in the spleen of mice
94. R. Zwahlen, ¹D. Spreng, M. Wyder-Walther, Department of Veterinary Pathology, ¹Small Animal Clinics, University of Bern, Switzerland: Interleukin-8 (IL-8) in dogs: activity in vitro and in vivo
95. Garcia, P., Pizarro, M., Sanchez, M., Cediel, R., ¹Martinez-Aleson, R., Castaño, M., Dpt. Animal Pathology II, Veterinary Fac., Madrid, Spain, ¹Trouw Iberica S. A., Madrid, Spain: Histological comparation of surgical tendinous repair with two adjuvants: carbon fibre implant and I. R. laser radiation

12th Meeting

European Society of Veterinary Pathology

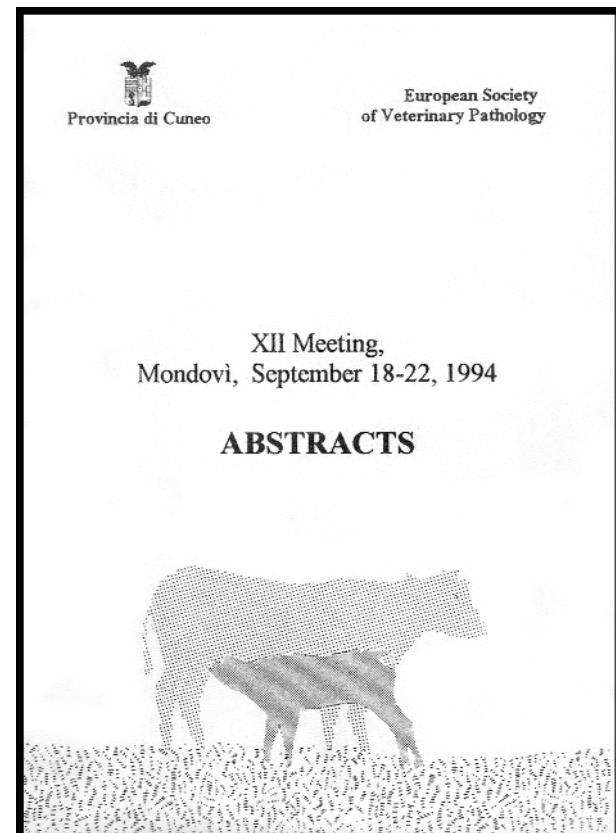
18 – 22 September 1994

Mondovi, Italy

President: F. Guarda, Torino

Secretary: A. Pospischil, Zürich

Treasurer: R. Bader, Mannheim



Session 1: Virus Infections

Chairpersons: F. Ehrensperger, Zürich; G. Braca, Pisa

1. Baumgärtner, W., Susanne Alldinger, Karin Gaedke, A. Moritz, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Gießen: Metaphyseal osteosclerosis in young dogs with naturally occurring distemper
2. Müller Cornelia F., Marc Vandevelde, Andreas Zurbriggen, Institut für Tierneurologie, Universität Bern: Studies on canine distemper virus persistance in vitro and in vivo
3. Susanne Alldinger, W. Baumgärtner, C. Voss, A. Wünschmann, E. Kremmer, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Gießen: Spontaneous distemper encephalitis: upregulation of MHC II antigene expression in canine brain tissues
4. Mozos E., F. Chacón M-Lara, J. Pérez, M. J. Bautista, T. Moyano, A. Jover, Dpt. Anatomia Patológica, Facultad de Veterinaria, Cordoba: Cutaneous lesions in subacute experimental African swine fever (ASF): A histopathological and immunopathological study
5. Gómez-Villamandos J. C., J. Hervàs, A. Méndez, L. Carrasco, C. Villeda, M. A. Sierra, Dpt. Anatomia Patológica, Facultad de Veterinaria, Cordoba: Comparative pathological study of renal interstitial capillaries in acute and subacute experimental African swine fever
6. Gómez-Villamandos J. C., A. Méndez, J. Hervàs, L. Carrasco, E. Mozos, A. Jover, Dpt. Anatomia Patológica, Facultad de Veterinaria, Cordoba: Acute experimental African swine fever: ultrastructural study of the perisinusoidal functional unit of the liver
7. Hall G. A., L. A. E. Ashworth, S. Sharpe, R. W. Cook, M. J. Dennis, C. Thornton, M. P. Cranage, Center for Applied Microbiology and Research, Porton Down, UK: Pathology in SIV-infected macaques in relation to expression of MHC class II on blood monocytes and B cells

Session 2: Virus Infections

Chairpersons: W. Drommer, Hannover; A. Jover, Cordóba

11. Loesenbeck, G., C. Pox, W. Drommer, Institut für Pathologie, Tierärztliche Hochschule Hannover: Immunohistochemical findings in the retina and uvea of FIV infected cats
12. Abramo Francesca, A. Poli, F. Guarda, M. G. Canese, S. Bo, M. Pistello, L. da Prato, C. Giannelli, M. Bendinelli, Department of Animal Pathology, Pisa: Neuropathological observations in feline immunodeficiency virus infection
13. Poli, Alessandro, C. Giannelli, M. Pistello, M. Giorgi, D. Matteucci, P. Mazzetti, L. Zaccaro, M. Bendinelli, Department of Animal Pathology, Pisa: Feline immunodeficiency virus (FIV) genome in peripheral blood mononuclear cells of FIV seronegative cats
14. Canese, M. G., G. Ru, A. Sereno, F. Valenza, Dipartimento di Patologia Animale, Torino: Kidney changes in FIV positive cats
15. Silvotti, L., G. Piedimonte, L. Kramer, A. Corradi, R. di Lecce, P. Giannelli, E. Cabassi, Istituto di Anatomie Patologica Veterinaria della Università di Parma: Host cell activation by FIV
16. Hewicker- Trautwein, M., B. Liess, G. Trautwein, Institut für Pathologie, Tierärztliche Hochschule Hannover: Brain lesions in calves following transplacental infection with bovine virus diarrhoea virus
- 16a. Gruber, A. D. , Hewicker-Trautwein, M., Greiser-Wilke, I., Trautwein, G., Institut für Pathologie, Tierärztliche Hochschule Hannover: Bovine viral diarrhoea virus-induced malformations of the brain in sheep are caused by the cytopathogenic biotype as demonstrated by polymerase-chain-reaction
17. Buonavoglia, D., E. Bollo, V. Voigt, R. Colapinto, A. Penilo, Istituto di Malattie Ingettive e Parassitarie degli Animali, Università degli Studi di Bari: Pestivirus neonatal mortality in lambs in Puglia (southern Italy): Virological and histopathological findings
18. Scanziani, E., A. M. Giusti, A. Lavazza, M. Luini, P. Cordioli, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Milano: Coronavirus infection in calves: An immunohistochemical study.

Session 3: Chlamydia

Chairpersons: G. E. Jones, Edinburgh; B. Biolatti, Padova

19. Markey B. K., M. S. McNulty, D. Todd, Dept. of Vet. Microbiology & Parasitology, Faculty of Vet. Medicine, Dublin: Immunoblot analysis of anti-chlamydial antibodies in ovine sera
20. McCullough S. J., H. E. Kennedy, D. Graham, J. Cassidy, F. Malone, Veterinary Sciences Division, Belfast: A comparative study of the methods available for diagnosis of chlamydial abortion in ewes
21. Appino Simonetta, Anderson, I., Biolatti, B., Castagnaro, M., Dip. Patologia Animale, Torino: Non-radioactive SSCP analysis of chlamydial momp gene VD-IV region from ruminant abortion strains
22. Guscetti, F., T. Sydler, C. Bernasconi, R. Hoop, A. Pospischil, Institute for Veterinary Pathology, Zürich: Histopathological and immunohistochemical findings in gnotobiotic piglets inoculated with Chlamydia pecorum strain 1710S
23. Theil, Dietlinde, R. Hoop, A. Pospischil, Institute for Veterinary Pathology, Zürich: Detection

- of chlamydia in postmortem formalin-fixed and paraffin-embedded tissue by in situ hybridisation
- 24. Szeredi, L., Staumann Kurz, Ursula, Zahn, Irene, Heinen, E. Corboz, L. Pospischil, A., Institute for Veterinary Pathology, Zürich: Enteric chlamydia in finishing pigs
 - 25. Loutrari, H., L. Mariani, P. Eliades, G. Conidou, K. Costelidou, O. Papadopoulos, O. Mangana, E. Vretou, Institut Pasteur Hellenique, Athens: Immunohistochemical analysis of Greek chlamydial abortive strains provides evidence for molecular heterogeneity
 - 26. Vanrompay, D., G. Charlier, R. Ducatelle, F. Hasenbrouck, Dept. of Avian Diseases, Gent: Interaction of avian Chlamydia psittaci with BGM cells in vitro, an immuno-electron microscopic study
 - 27. Buxton, D., Rae, A. G., Thomson, K., Herring, A. J. Jones, G. E., Moredun Research Institute, Edinburgh: Pathogenesis of Chlamydia psittaci in sheep; a serial study of the lymph node

Session 4: Macroscopic pathology

Chairpersons: J. Pohlenz, Hannover; P. Galati, Napoli

- 28. Howie, F., H. Pirie, H. Thompson, I. McCandish, P. McNeill, S. Gallanan, SAC Veterinary Services (Edinburgh), Penicuik, UK: The post mortem findings in 213 equines with special references to lesions of the gastrointestinal tract
- 29. Siebert, Ursula, Benke, H., Weiss, R., Lick, R., Frese, K., Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen: Necropsy findings in small cetaceans from German waters of North and Baltic Sea
- 30. Breuer, W., L. Brunnberg, W. Hermanns, Institut für Tierpathologie, München: Rupture of the tendon of origin of the m. biceps brachii in dogs pathomorphological findings
- 31. Griglio,, B., M. Julini, A. Curcio, F. Guarda, Dipartimento di Patologia Animale, Università di Torino: Occurrence of the “kisselev’s nodules” in the pork liver
- 32. Castagnaro, M., S. Amdeo, A. Bertolotto, E. Manzardo, E. Riccio, B. Griglio, F. Guarda, Dept. Animal Path., S. Luigi G. Hosp., Neurology Div., University of Turin: Morphological, histochemical and biochemical studies on glycosaminoglycans in pigs cardiac valves with endocardiosis
- 33. Bettini, G. , A. Martelli, M. Vannuccini, M. Masi, P. S. Marcato, Istituto di Patologia Generale e Anatomia Patologica, Ozzano Emilia (Bologna): The effects of transport stress on bone marrow histology in normally slaughtered steers
- 34. Taugner, Felicitas, R. Nobiling, Institut für Vet.-Pathologie, der Freien Universität Berlin: Stimulation of the renin-angiotensin system by adrenalectomy: A cautionary note
- 35. Afify, S. H., Faculty of Veterinary medicine, Assiut University: An abattoir survey of the skin lesions in camels (*Camelus dromedarius*)

Session 5: Cell markers

Chairpersons: G. Bestetti, Bern; P. S. Marcato, Bologna

- 36. Weber, Beate, D. Schuppan, Institut für Vet.-Pathologie, der Freien Universität Berlin: Immunohistochemical demonstration of different collagen-types during the fibroid metamorphosis of canine intervertebral discs
- 37. Arnulfo Mara, Pauline McNeil, Hal Thompson, Martin Sullivan, Neil McEwan, Department of

- Pathology, University of Glasgow Veterinary School, Glasgow: Application of monoclonal leucocyte antibodies to canine tissue
38. Rabanal, R. M., L. Ferrer, R. W. Else, *Histologia i Anatomia Patologica*, Facultat de Veterinaria, Bologna: Immunohistochemical detection of canine leukocyte antigens in canine tissues using monoclonal antibodies
39. Aleksandersen, M., T. Landsverk, B. Gjerde, Dept. of Morphology, Genetics and Aquatic Biology, Norwegian College of Veterinary Med., Oslo: Intraepithelial T cells in ovine coccidiosis
40. Gondolf, C., E. Burkhardt, A. Kipar, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen: Generation of canine lymphokin-activated killer cells (LAK) by incubation of isolated peripheral blood leukocytes (PBL) with recombinant human interleukin-2 (rhIL-2)
41. Galeotti, M., C. Eleni, P. Bird, I. McConnell, P. S. Marcato, Dip. Sci. Produzione animale, sede distacca, Udine: Expression of MHC class II molecules by endothelial cells in bovine lymph nodes
42. Ferrer, L., M. Vilafranca, R. Rabanal, D. Fondevila, *Histología y Anatomía Patológica*, Facultad de Veterinaria, Universidad Autónoma de Barcelona, Bellaterra: Immunohistochemical detection of canine class II MHC antigens on fixed tissue samples
43. van Garderen, E., P. J. Selman, G. R. Rutteman, A. Rijnberk, H. Nederbragt, J. A. Mol, Department of Pathology, Faculty of Veterinary Medicine, Utrecht University, Utrecht: Progestin-induced growth hormone production in the canine mammary gland
44. Vilfranca, M. L. Ferrer, P. Wohlsein, G. Trautwein, J. Sanchez, J. A. Navarro, Institut für Pathologie, Tierärztliche Hochschule, Hannover: Cytokeratin expression in canine visceral glomerular epithelial cells in vivo

Session 6: Ovine retrovirus

Chairpersons: J. Badiola, Zaragoza; R. Rudolph, Berlin

45. Watt, N. J., D. Collie, L. Lujan, I. Begara, Department of Veterinary Pathology, University of Edinburgh, Royal (Dick) School of Veterinary Studies, Midlothian, Scotland: Pathophysiological analysis of interstitial lung disease caused by Maedi-visna infection
46. Luján, L., I. Begara, D. D. S. Collie, N. J. Wall, Dpto. Patología Animal, Zaragoza: Viral replication, immune responses and their relationship with pathology in lungs of sheep infected with Maedi visna virus
47. Woodall, C. J., N. J. Watt, Dept. Veterinary Pathology, University of Edinburgh, Edinburgh: Cytokeratine response to Maedi visna virus in sheep lung
48. Pyrah, I. T. G., N. J. Wyatt, Dept. Veterinary Pathology, University of Edinburgh, Veterinary Field Station, Edinburgh: Investigation of dermal delayed-type hypersensitivity reactions in Maedi-visna infected sheep
49. Giannelli Chiara, A. Poli, V. Rizzi, M. G. Falcone, M. Melosi, G. Braca, Department of Animal Pathology, Pisa: Lymphocyte subsets and major histocompatibility complex (MHC) class II expression in ewes with natural maedi/visna virus infection
50. Souza, J. C. A., L. Luján, E. Monleón, D. F. Luco, R. Bplea, B. Amorena, J. J. Badiola, Dpto. Patología Animal, Zaragoza: Local immune responses in the mammary gland of lactating and non-lactating ewes naturally infected with Maedi visna virus
51. Sanna, E., M. Pittau, S. Rosati, A. M. Nieddu, A. Leoni, S. Pirino, Faculty of Veterinary Medi-

- cine, University of Sassari: Biotininated DNA probes for detection of Maedi visna virus by in situ hybridization (“Capillary GAP” technique)
52. Rosati, S., M. Pittau, F. Tolari, G. Erre, Dipartimento di Produzioni Animali, Epidemiologia ed Ecologia, Università di Torino: Sequence analysis and prokaryotic expression of gene fragment encoding for CAEV transmembrane protein
- Session 7: Neuropathology
- Chairpersons: M. Vandervelde, Bern; F. Valenza, Torino
53. van Keulen L. J. M., B. E. C. Schreuder, R. H. Meloen, W. Wouda, M. Poelen-van der Berg, G. Mooij-Harkens, M. E. W. Vromans, J. P. M. Langenveld, Department of Pathobiology, Institute for Animal Science and Health, Lelystad: Immunohistochemical localization of prion protein in brain tissue of sheep with natural scrapie
54. Kipar, A., W. Baumgärtner, C. Voss, E. Kremmer, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen: Phenotypical characterization of inflammatory cells in brains of dogs with granulomatous encephalitis
- 55 Boujon, C. E., V. Bornarnd-Jaunin, V. Schärer, G. L. Rossi, G. E. Bestetti, Institut für Tierpathologie, Bern: Pituitary gland impairment in primary and secondary hypoadrenocorticism of dogs
56. Brügmann, M., W. Drommer, Institut für Pathologie, Tierärztliche Hochschule, Hannover: Immunohistological and immunoelectron microscopical expression of glial fibrillary acidic protein in Müller cells of the equine retina
57. Weissenböck, H., N. Nowotny, Institut für Pathologie und Gerichtliche Veterinärmedizin, Veterinärmedizinische Universität Wien: Epizootiological, pathological and virological studies on feline non-suppurative meningoencephalomyelitis (“staggering disease”) in Austria
58. Bassano, B., M. Caramelli, V. Peracino, C. Schröser, E. Bollo, Centro Studi Veterinari Fauna Alpina, Parco Nazionale Gran Paradise: Meningoencephalitis associated with keratoconjunctivitis in alpine ibex (*Capra ibex ibex*)
59. Caracappa, S., G. R. Loria, A. Dohn, M. T. Manfredi, F. Guarda, Istituto Zooprofilattico della Sicilia: Neuropathology associated with hypoderma bovis infestation in beef calves
60. Mandara, M. T., M. Pepe, F. Moriconi, F. Mariotti, A. Ciorba, Ist. Di Pat. Gen. e Anat. Pat. Vet., Università degli Studi di Perugia: Equine degenerative myeloencephalopathy in Italy
61. DiGuardo, G., A. Corradi, U. Agrimi, N. Zizzo, L. Morelli, A. Perillo, L. Kramer, S. Kennedy, Istituto di Anatomia Patologica Veterinaria della Università di Parma: Neuropathological studies on cetaceans stranded along the Italian coast

Session 8: Poster discussion

Chairpersons: Maja Suter, Bern; G. Trautwein, Hannover; W. Baumgärtner, Giessen

P1 Bernasconi, C., F. Guscetti, A. Uliger, K. van Reet, M. Ackermann, A. Pospischil, Institute for Veterinary Pathology, Zürich: Experimental infection of gnotobiotic piglets with a cell culture adapted coronavirus (PEDV) strain: clinical, histopathological, immunohistochemical and virological findings

P2 Cantile, Carlo, G. Renzoni, E. Taccini, G. Braca, Università di Pisa, Dipartimento di Patologia Animale, Pisa: Pestivirus-related pathology on lambs. A report of three cases

- P3 Carrasco, Otero L., M. J. Bautista, J. M. Martin de las Mulas, J. C. Gómez-Villamandos, F. Chacón M., Lara, A. Blanco, Dpto. Anatomía Patológica, Facultad de Veterinaria Córdoba: African swine fever virus: Interactions with the lymphoid follicles
- P4 Castanõ, Maria, A. Rodriguez, L. Peña, J. V. Gonzalez, M. Rodriguez, Dpto. Patología Animal II, Veterinary School, Madrid: Lesions in the malignant catarrhal fever associated to sheep
- P5 Kaup, F.-J., E.-M. Kuhn, P. Hünerbein, K. Mätz-Rensing, C. Stahl-Henning, G. Hunsmann, Exp. Pathology, German Primate Centre, Göttingen: "Giant cell disease" in SIV-infected rhesus monkeys
- P6 Lopez-Pena, M., M. I. Quiroga, F. Guerrero, S. Vázquez, J. M. Nieto, Anatomía Patológica, Lugo: Distribution of attenuated canine distemper viral antigen in vaccinated mink (*Mustela vison*)
- P7 Luco, D. F., L. González, I. Pow, H. W. Reid, Dpto. Patología Animal, Facultad de Veterinaria, Zaragoza: Sheep encephalitis by flavivirus in the Basque country: Diagnosis an epidemiological study
- P8 Orós, J. F. Rodríguez, A. Espinosa de los Monteros, P. Herráez, J. C. Villamandos, Veterinary Faculty of Las Palmas, Section of Histology and Pathological Anatomy, Las Palmas: Intestinal adeno-like virus inclusion bodies in a kid
- P9 Pizarro, M. P. Villegas, G. Avellaneda, J. M. Flores, Dpto. Patología Animal II, Veterinary School, Madrid: Histological findings in experimentally infected chickens with an neurotropic velogenic Newcastle disease virus (Strain Texas GB)
- P10 Quiroga, M. I., S. Vázquez, M. López-Peña, Anatomía Patológica, Lugo: Pathological features in experimental Aujeszky's disease in foxes (*Alopex lagopus*)
- P11 Garcia Marin J. F., G. Chávez, V. Pérez, R. Bolea, J. J. Badiola, Dpto. Patología Animal (Anatomía patológica), Facultad de Veterinaria, Zaragoza: Differences in the pathology observed in lambs experimentally infected with *Mycobacterium avium* subsp. *silvaticum* or *Mycobacterium paratuberculosis*
- P12 Krueger, N., W. Donachie, Moredun Research Institute: Phenotypic characterization of the cells involved in the inflammatory response in ovine encephalitic listeriosis
- P13 Scanziani,, E., A. Gobbi, L. Crippa, A. M. Giusti, R. Giavazzi, G. Sironi, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Milano: Helicobacter hepatitis in mice
- P14 Tligui, N., M. El Hamidi, A. Ouhsine, A. El Idrissi, Department of Pathology, I. A. V. Hassan II, Rabat: Foal septicaemia due to *Actinobacillus equuli* (Actinobacillosis): Report of first cases in Marocco
- P15 Gallo, M. G., A. Bondoni, S. Bo, E. Gueho, R. Guglielmino, M. Caramelli, Dipartimento Produzioni Animali, University of Turin: Trichosporiosis concomitant with osteosarcoma in a dog: A case report
- P16 Lindén, J., Saari, S., College of Veterinary Medicine, Helsinki: Leucocyte common antigen in dogs
- P17 Macchi, Elisabetta, A. Perrone, C. Schröder, S. Cerruti Sola, E. Cornaglia, Dipart. Produzioni Animali, Epidemiologia ed Ecologia, Torino: Pathology of wild animals in Piedmont: results of a survey
- P18 Rahko, T., Rahko, K., College of Veterinary Medicine, Helsinki: Diagnostical telepathology in veterinary medicine

- P19 Sánchez, M. A., J. M. Flores, A. Rodriguez, L. Peña, Dpto. Patología Animal, Facultad de Veterinaria, Madrid: Immunohistochemical and ultrastructural study of severe testicular hypoplasia in polled goats
- P20 Volpatti, D., M. Galeotti, A. Risso, Dip. Sci. Produzione Animali, Sede Distaccata, Udine: Analysis of membrane antigens on in vitro activated bovine peripheral blood lymphocytes
- P21 Wouda, W., A. R. Moen, A. Damsma, I. J. R. Visser, F. van Knapen, Gezondheidsdienst voor Dieren in Noord-Nederland, Drachten: Bovine neosporosis: 1. Lesions and parasites in aborted fetuses. 2. Repeated transplacental transmission
- P22 Caló, Margherita, E. Palma, B. Macri, G. Nisticò, Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Università di Messina: Effects of patulin given systemically or into the third cerebral ventricle on cellmediated immunity
- P23 Corradi, A., A. Fusari, M. Morlacchi, P. Borghetti, A. M. Cantoni, P. Catellani, Istituto di Anatomia patologica veterinaria della Università di Parma: Swine toxicity of scopolamine and hyoscyamine alkaloids, characteristics of *Datura ferox* seeds
- P24 Eriksson, Jessica, Rahko T., Department of Pathology National Veterinary and Food Research Institute, Helsinki: TEM-study of hepatic parenchyma in copper toxicosis
- P25 Beys, E., Hodge, T., Nohynek, G. J., Rhone-Poulenc Rorer, Vitry sur Seine, Cedex: Ovarian changes in Sprague-dawley rats produced by nocturnal exposure to low intensity light
- P26 Cuarvo, L., L. Balaguer, J. Romano, I. Idigoras, L. Gonzàles, Facultad de Veterinaria, Lugo: Chromogranin and VIP immunoreactivity in a canine phaeochromocytoma
- P27 Gonzàles, L., L. Balaguer, J. Romano, I. Idigoras, L. Cuarvo, Facultad de Veterinaria, Lugo: Prolactinoma in a sheep
- P28 Pérez, Alenza, A. Ruiz de Zárate, L. Peña, G. R. Rutterman, C. J. Cornelisse, W. Misdorp, Dpto. Patología Animal II, Facultad de Veterinaria, Madrid: Ki-67 and S-Phase Fraction related to clinical and histological variables in canine mammary tumours
- P29 Saari, S., Rahko T., Pathological Anatomy, College of Veterinary Medicine, Helsinki: Erythrophagocytosis - a common finding in feline systemic mastocytosis
- P30 Vitali, C. G. Renzoni, E. Tacini, G. Rossi, G. Braca, Dipartimento di Patologia Animale, Pisa: Thyroid C-cell carcinoma in a sheep
- P31 Waldvogel, A. S., Susanne Broll, M. Rosskopf, A. Pospischil, Institut für Veterinärpathologie der Universität Zürich: Diagnosis of porcine parvovirus infection in fetal pigs by in situ hybridization?

Session 9: Virus infections

Chairpersons: N. Cheville, Ames; Mouwen, J. Utrecht

62. Herden, Christiane, Sibylle Herzog, Frese, K., Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen: Distribution of Borna disease virus antigen in the brain of rats after intracerebral infection with various virus variants
63. Caramelli, M., F. Guarda, L. Maselli, M. Vandervelde, H. Ludwig, Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Torino: Borna disease in sheep in northern Italy
64. Welle Monika, Gabriele Mölle, L. Hültner, Institut für Veterinär-Pathologie der Freien

Universität Berlin: In vitro effects of canine parvovirus on canine mononuclear bone marrow cells

65. Wohlsein, P., Wamwayi, H. Trautwein, G., Pohlenz, J., Liess, B., Barrett, T., Institut für Pathologie, Tierärztliche Hochschule Hannover: Pathomorphological and immunohistological findings in cattle experimentally infected with rinderpest virus isolates of different pathogenicity
66. Ramis, A., K. S. Latimer, F. D. Niagro, R. P. Campagnoli, Histologia i Anatomia Patológica, Fac. Veterinaria, Barcelona: Diagnosis of viral psittacine diseases using DNA in situ hybridisation

Session 10: Toxicologic pathology

Chairpersons: van den Ingh, T., Utrecht; Macri, B., Messina

67. Bollo, E., L. Ceppa, E. Cornaglia, W. Pistone, M. Gennaro Soffietti, M. Dacasto, Dipartimento di Patologia Animale, Torino: Biochemical and ultrastructural alterations induced by triphenyllin acetate on mouse thymocytes in vitro
68. Weiss, Marie Christine, E. Baumgart, H. D. Fahimi, H. Phill, W. Rebel, F. Hartig, Institut für Veterinär-Pathologie, Giessen: Zonal proliferation of peroxisomes in rat liver after severe inhibition of cholesterol biosynthesis by BM 15.766
69. Dacasto, M., E. Cornaglia, F. Valenza, L. Ceppa, C. Nebbia, Dipartimento di Patologia Animale, Torino: Pathological findings in Wistar rats exposed to dietary monensin
70. Re, G., P. Badino, A. Novelli, A. Donn, B. Biolatti, Department of Animal Pathology, Division of Pharmacology & Toxicology, University of Turin: Effects of dietary clenbuterol on the receptorial systems (β -adrenoceptors, estrogen and progesterone receptors) in target organs of veal calves
71. Roperto, F., P. Galati, Department of Veterinary Pathology, Naples: Extrapulmonary silicosis in two water buffaloes. Optical and scanning electron microscopical investigations with x-ray microanalysis
72. Peano S., Istituto di Ricerche Biomediche "A. Marxer", RBM S. p. A., Ivrea (Torino): Spontaneous pathology encounteres in Cynomolgus monkeys (*Macaca fascicularis*) used for preclinical toxicity studies

Session 11: Tumor pathology

Chairpersons: E. Weiss, Giessen; G. Mandelli, Milano

73. Biolatti, B., M. Orlandi, A. Ratto, C. Ercolini, M. Castagnaro, M. Negro, A. Donn, Istituto di Patologia e Igiene Veterinaria, Facoltà di Medicina Veterinaria, Padova: Frequency and type of ovarian tumors in veal calves
74. Canese, M. G., G. Ru, C. Gagna, Dipartimento di Patologia Animale, Torino: Proliferating cell nuclear antigen (PCNA) expression in normal and neoplastic mammary gland of dog
75. Caramelli, M., E. Bozzetta, A. Bonioli, G. Nervi, D. Bellingeri, F. Robutti, F. Valenza, Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Torino: Evaluation of nucleolar organizer regions (NORs) in feline mammary carcinomas
76. De Vico, G., P. Maiolino, Department of Veterinary Pathology, Naples: Silver-stained nucleolar (Ag-NOR cluster) size, mitotic activity and staging in feline mammary carcinomas
77. Gutberlet, Katrin, R. Rudolph, Institut für Veterinär-Pathologie der Freien Universität Berlin:

Immunohistochemical identification of vessels in cancer cell invasion in canine mammary tumors

78. Löhr, Christiane, E. Weiss, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen: Immunohistochemical detection of the proliferation associated antigens Ki67 and PCNA in canine mammary tumors
79. Preziosi, R., C. Benazzi, G. Sarli, P. S. Marcato, Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Ozzano Emilia (BO): Cytological characterization of canine testicular tumours: correlation with histological classification, cell proliferation and invasiveness
80. Sironi, G., M. Parodi Cammarata, G. Cammarata, P. Riccaboni, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Milano: Immunohistochemical assessment of p53 protein expression in equine tumors
81. Teifke, J. P., Christiane Löhr, W. Hermanns, E. Weiss, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen: p53 immunoreactivity in squamous cell carcinomas of the skin

Session 12: Tumor pathology

Chairpersons: A. Parodi, Alfort; M. Castano, Madrid

82. Pérez, J., F. Chacón, M. de Lara, M. Sierra, J. Martin de las Mulas, Dept. Anatomia Patológica, Facultad de Veterinaria, Córdoba: Immunohistochemical characterization of canine hemangopericytoma
83. Cianiatti, M., M. Trabucco, C. M. Mortellaro, S. Romussi, P. Roccabianca, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Milano: Diagnosis of nasal tumors in dogs: Value of rhinoscopy-assisted biopsies
84. Gröne, A., C. C. Capen, T. J. Rosol, Dept. of Veterinary Pathobiology, The Ohio State University, Columbus, OH: Parathyroid hormone-related protein (PTHRP) in normal and neoplastic canine tissues: Immunohistochemical localization
85. Mechelli, L., G. Vitellozzi, F. Marlotti, I. Manocchio, Istituto di Patologia Generale e Anatomia Patologica Veterinaria, Università degli Studi di Perugia: Insulinoma of presumed pancreatic origin diagnosed in the liver and lymph node of a chianina cow
86. Walter, J., Gabriele Baatz, Friederike Dallenbach, Institut für Veterinär-Pathologie der FU Berlin: A case of lymphoplasmacytoid immunocytoma (LP-IC) in a dog

Session 13: Methods

Chairpersons: H. Pirie, Glasgow; E. Cabassi, Parma

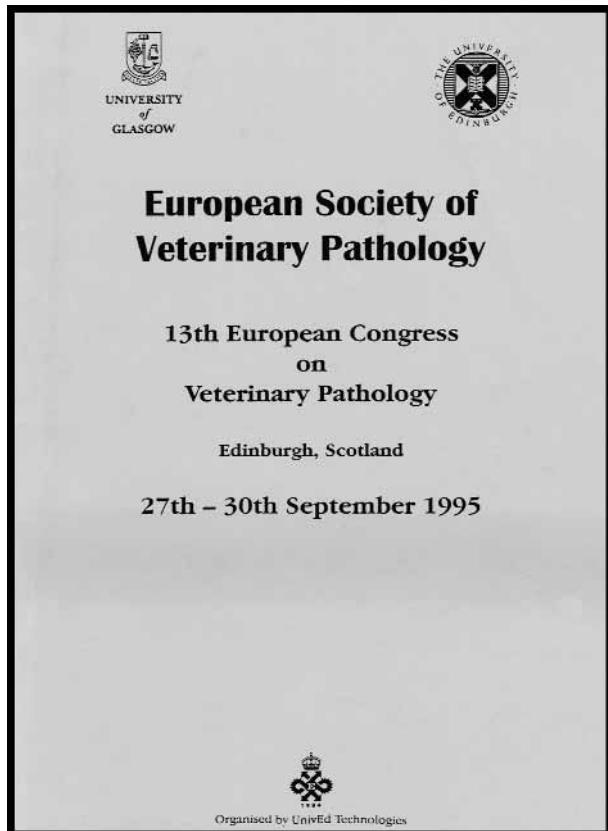
87. Kube, Petra, Monika Welle, R. Rudolph, Institut für Vet.-Pathologie der Freien Universität Berlin: Heterogeneity of canine mast cells depending on different fixation properties
88. Bestetti, G. E., G. L. Rossi, Institut für Tierpathologie, Universität Bern: The use of oligoprobes in mRNA *in situ* hybridization
89. Guglielmino, R., M. G. Canese, G. Ru, P. Buracco, A. Tarducci, C. Robotti, Dipartimento di Patologia Animale, Torino: Lymph node fine needle aspiration biopsy (FNAB). Case series in dog and cat
90. Roccabianca, Paola, P. F. Moore, M. Schrenzel, Istituto di Anatomia Patologica, Veterinaria e

Patologia Aviare, Milano: T-cell receptor (TCR) β-constant region gene rearrangement analysis in dog with a chemiluminescence southern blot procedure. Preliminary results

Session 14: Bacterial and parasitic diseases

Chairpersons: G. Hall, Porton Down; L. Ferrer, Barcelona

91. Clarke, C. J., D. Little, Dept. Veterinary Pathology, University of Edinburgh, Veterinary Field Station, Midlothian, UK: An assessment of histological lesions, morphometric changes and cellular phenotypic changes in the intestine of sheep with paratuberculosis
92. Nothelfer, H. B., U. Wernery, Central Veterinary Research Laboratory, Dubai: Morphological findings in hemorrhagic disease in dromedary camels (*Camelus dromedarius*)
93. Scanziani, E., C. Grieco,, M. Boldini, G. Mandelli, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Milano: Immunohistochemical identification of mycoplasma mycoides subsp. mycoides in cases of contagious bovine pleuropneumonia (CBPP)
94. Orós, J., J. L. Rodríguez, F. Rodríguez, A. Espinosa de los Monteros, P. Herráez, A. Fernández, Veterinary Faculty of Las Palmas, Section of Histology and Pathological Anatomy, Las Palmas: A filamentous cilia associated respiratory (CAR) bacillus now in goat
95. Campbell, R. S. F., Rowland, A. C., Scott, G. R., Department of Vet. Pathology, Royal (Dick) School of Veterinary Studies, Edinburgh: Pathology of Tick-borne Fever
96. Dom, P., Hasenbrouck, F., Ducatelle, R., Charlier, G., Lab. of Vet. Bacteriology and Mycology, Gent: Early interactions of *Actinobacillus pleuropneumoniae* with porcine lung cells



13th Meeting
European Society of Veterinary Pathology

27 – 30 September 1995

Edinburgh, Scotland

President: F. Guarda, Torino
Secretary: A. Pospischil, Zürich
Treasurer: G. Königsmann, Frankfurt/aM

Session: Multisystem disease: Central nervous system

1. D.F. Kelly, M.T. Cheeseman, Department of Veterinary Pathology, University of Liverpool: Multisystemic inflammatory disease in related Borzoi dogs
2. P.B. Little, M. Gains, Department of Pathology, Ontario Veterinary College, University of Guelph, Guelph, Ontario, Canada: A multisystem disease in a Rottweiler
3. P. Wohlsein, C. Hamblin¹, J. Pohlenz and F.L Davidson¹, Institute of Pathology, School of Veterinary Medicine, Hannover, Germany, ¹Institute for Animal Health, Pirbright Laboratory, Pirbright, Woking, Surrey, England: Identification of african horsesickness viral antigen in fixed tissues - preliminary results
4. A.S. Waldvogel, F. Ehrensperger, Institut für Veterinärpathologie der Universitat Zürich, Switzerland: Tissue distribution of border disease virus in persistently infected sheep
5. Karin Gaedke, A. Zurbriggen¹, W. Baumgärtner, Institut für Veterinär-Pathologie, Justus-Liebig-Universität Giessen, Giessen, Germany, ¹Institute for Animal Neurology, University of Bern, Bern, Switzerland: Distribution of canine distemper virus nucleoprotein RNA and antigen in acute, subacute and chronic brain lesions of dogs with spontaneous distemper encephalitis
6. W. Baumgärtner, A. Moritz¹, B. Kustermann-Kuhn², S. Alldinger, N. Kirchhof and G. Müller, Institut für Veterinär-Pathologie and ¹Medizinische und Gerichtliche Veterinärklinik I, Justus-Liebig-Universität Giessen, Giessen, ²Institut für Hirnforschung, Universitat Tübingen, Tübingen, Germany: Clinic, pathologic and biochemical findings in Alaskan huskies with GM1-gangliosidosis
7. N. Hunter, J.D. Foster, W. Goldmann, J. Hope, C. Bostock¹, Institute for Animal Health, BBSRC/MRC Neuropathogenesis Unit, West Mains Road, Edinburgh, ¹Compton Laboratory, Compton, nr Newbury, Berkshire: Natural scrapie in a closed flock of Cheviot sheep affects animals of specific PrP genotype
8. G.A.H. Wells, M. Dawson, S.A.C. Hawkins, A.R. Austin, A.C. Scott, R.B. Green, I. Dexter, M.W. Horigan, M.M. Simmons, Central Veterinär Laboratory, Addlestone, Surrey, United Kingdom: Observations on the pathogenesis of experimental bovine spongiform encephalopathy after alimentary infection
9. A. Williams, A.-M. van Dam¹, P. Eikelenboom², H. Fraser, BBSRC/MRC Neuropathogenesis Unit, Institute for Animal Health, Edinburgh and Departments of ¹Pharmacology and ²Psychiatry, Free University, Amsterdam: Immunocytochemical detection of cytokines, prostaglandin E2 and lipocortin-1 in the CNS of scrapie-infected mice during the course of infection
10. M. Jeffrey, C.M. Goodsir, M.E. Bruce¹, P.A. McBride¹, Lasswade Veterinary Laboratory, Bush Estate, Penicuik, Midlothian, Scotland EH26 OSA. ¹BBSRC & MRC, Neuropathogenesis Unit, Institute for Animal Health, West Mains Road, Edinburgh: Sub-cellular localisation of disease specific PrP in murine scrapie
11. N. Krueger, W. Donachie, Moredun Research Institute, Edinburgh, Scotland, UK: A mouse model for listerial encephalitis of sheep
12. D. Buxton, S.W. Malay, K.M. Thompson, E.A. Innes, A.J. Trees¹, Moredun Research Institute, Edinburgh, ¹Liverpool School of Tropical Medicine, Liverpool, UK: Experimental infection of pregnant sheep with neospora caninum
13. S.F.E. Scholes, M. Jeffrey, R.C. Gumbrell¹, G.C. Pritchard², Lasswade Veterinary Laboratory, Bush Estate, Penicuik, Midlothian, ¹SAC Veterinary Services, Mill of Craibstone, Bucksburn, Aberdeen, ²Veterinary Investigation Centre, Rougham Hill, Bury St. Edmunds, Suffolk:

Rhombencephalic malformations and congenital hydrocephalus in Suffolk lambs

14. B.J. Sheahan, M.A. Ibrahim, D.J. Sammin, G.J. Atkins, Department of Veterinary Pathology, Faculty of Veterinary Medicine, University College, Ballsbridge, Dublin and Department of Microbiology, Moyne Institute, Trinity College, Dublin, Ireland: Demyelination of olfactory pathways in mice following intranasal infection with the avirulent A7 strain of Semliki forest virus
15. M. Brügmann, W. Drommer, Institute of Pathology, School of Veterinary Medicine, Hannover, Germany: Pathological changes induced in cerebrocortical neurons by non competitive N-methyl-d-aspartate (NMDA) antagonists
16. M. Robinson, Zeneca CTL, Alderley Park, Macclesfield, Cheshire, UK: Corneal effects of NTBC in the rat
17. S. Kennedy, B. Herron, B. Carroll, F. McNeily, G. Allan, I. Walker, B. Adair, P. Hernandez-Jauregui, T. Linne, Veterinary Sciences Division, Department of Agriculture for Northern Ireland, Stormont, (SK, BC, FMcN, GA, IW, BA) and Royal Victoria Hospital (BH), Belfast, Northern Ireland, Unidad de Investigacion Medica, Division de Patologia, Centro Medico Nacional, Mexico (PH-J), and Department of Veterinary Microbiology, Section of Molecular Virology, Biomedical Centre, Uppsala, Sweden (TL): Experimental "blue eye" paramyxovirus infection in pigs
18. C. Cantile, G. Rossi, G. Braca, C. Vitali, E. Taccini, G. Renzoni, Department of Animal Pathology, Faculty of Veterinary Medicine, University of Pisa, Pisa, Italy: A horse with *Halicephalobus deletrix* encephalitis in Italy
19. Katherine E. Whitwell, Animal Health Trust, Balaton Lodge, UK: Pathological findings in wild hares suffering from a disease resembling equine grass sickness

Session: Cattle health monitoring : Training and teaching

20. J.F. Buckley and H.A. Larkin, Veterinary Department, Cork County Council, County Hall, Cork, Department of Veterinary Pathology, Faculty of Veterinary Medicine, University College Dublin, Ballsbridge, Dublin: Experiences with cattle health monitoring in regions where intensive agriculture and industry co-exist
21. G.R. Betton, Safety of Medicines Department, Zeneca Pharmaceuticals, Cheshire, UK: The training requirements of the toxicological pathologist and the BSTP modular training programme
22. P.J. Brown, G.R. Pearson, D.H. Shearer, M.J. Day, A. Skuse, A.D. Short, G. McConnell, University of Bristol, School of Veterinary Science, Langford, Bristol, UK; CLIVE, Royal (Dick) School of Veterinary Science, University of Edinburgh, Summerhall, Edinburgh; PMs, BMPs, CBL and CLIVE
23. W.A. Crowell, F.G. Smith, O.E. Tyler, University of Georgia, Athens, Georgia, USA: The international veterinary pathology slide bank; past and future

Session: Immune disorders

24. Christina Gondolf, Anja Kipar, E. Burkhardt, Institut für Veterinär-Pathologie der Justus-Liebig-Universität, Giessen, Germany: Two mesenchymal tumour cell lines for the measurement of natural killer (NK) cell activity in the peripheral blood of dogs
25. Ute Wagner, E. Burkhardt, Institut für Veterinär-Pathologie, Justus-Liebig-Universität, Giessen, Germany: Studies of canine blood lymphocytes stimulated with T-cell mitogens
26. M. Hewicker-Trautwein, S.D. Carter¹, D. Bennett¹, D.F. Kelly, Dept. of Veterinary Pathology,

- ¹Dept. of Veterinary Clinical Sciences, University of Liverpool, UK: Unmasking of canine leukocyte CD antigens for immunocytochemical detection
- 27.P.S. Marcato, L. Ingrà, L. Zaghini, Deila L. Salda, G. Sarli, Instituto di Patologia Generale e Anatomia Patologica Veterinaria. Universita di Bologna, Italia: Reaction pattern of aspecific reactive lymphadenopathies in pigs
28. E. Gruys J, De las Mulas¹, R.F. Molenbeek, C. van Maanen², J.H. Vos³, M.A. Sierra¹, Departments of Veterinary Pathology of Utrecht University, ¹Cordoba University, ²Gouda Animal Health Center, ³Boxtel Animal Health Center, Chillan University of Concepcion (Chile): Porcine immunecomplex glomerulonephritis dermatitis (PIGD) syndrome
29. S.E. Weisbrode. G. Apseloff, K.V. Hackshaw, Caroline Whitacre, N. Gerber, Departments of Veterinary Biosciences, Pharmacology, Internal Mediane, Medical Microbiology and Immunology, The Ohio State University, Columbus, OH, USA: Gallium nitrate reduces lesions in mrl/pr mice
30. K. Gutberlet, R. Toimbetow¹, Institut fur Veterinär-Pathologie, FU Berlin, Germany, ¹Agricultural University, Bishkek, Kyrgyzstan: Enzootic leucosis in cattle in Kyrgyzstan - an epidemiologic and pathohistologic study
31. B. Rathkolb, P. Wohlsein, J. Pohlenz, T. Barrett¹, Institute of Pathology, School of Veterinary Medicine, Hannover, Germany, ¹AFRC Institute for Animal Health, Pirbright Laboratory, Pirbright, Surrey, England: Comparison of different histotechnological methods for the immuno-histological identification of bovine leukocyte subsets in paraffin embedded tissues
32. M. Levkut, W. Ponti¹, M. Levkutovä, V. Konrad, M. Rocchi¹, G. Poli¹, University of Veterinary Medicine, Kosice, Slovakia, ¹Institute of Veterinary Microbiology and Immunology, University of Milano, Italy: Expression and quantification of IgG and IgM molecules on the surface of BLV infected cattle lymphocytes
33. S. Paltrinier¹, M. Parodi-Cammarata, G. Cammarata, M. Mambretti, ¹Istituto di Patologia Generale Veterinaria, Milano, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Milano: Pathogenesis of FIPV-induced lesions; role of type IV hypersensitivity
34. L. Silvotti, L. Kramer¹, L. Busani², M.G.³, I. Picemo, P. Spataro, M. Calo⁴, G. Piedimonte⁴, Istituto di Anatomia Patologica Veterinaria, Parma, Italy, ¹Istituto Superiore di Sanita, Roma, Italy, ²Dipartimento di Medicina e Farmacologia Veterinaria, Messina, Italy, ³Dipartimento di Igiene, Medicina preventiva e Sanita Pubblica, Messina, Italy, ⁴Istituto di Patologia Generale ed Anatomia Patologica, Messina, Italy: Lymphocytes from FIV+ cats lose proliferative control due to cell size
35. Maryse Hurtrel, Delphine Boche¹, Francoise Gray², J.-P. Ganiere, Luc Montagnier¹, B. Hurtrel¹, Laboratoire d'Anatomie Pathologique, Ecole Nationale Veterinaire, Nantes, ¹Unité d'oncologie virale, Institut Pasteur, Paris, ²Laboratoire d'Anatomie pathologique, Hospital Poincaré, Garches: Virus load and encephalopathies in FIV model
36. I.T.G. Pyrah, N.J. Watt, Department of Veterinary Pathology, Royal (Dick) School of Veterinary Studies, University of Edinburgh, Easter Bush, Roslin, Edinburgh: Comparison of the dermal delayed type hypersensitivity reactions in maedi-visna infected and control sheep
- Session: Overviews: Primates
37. R.S.F. Campbell, Department of Biomedical and Tropical Veterinary Sciences, James Cook University, Queensland, Australia: The comparative pathology of the lentiviruses
38. Lloyd Reeve-Johnson, Elanco Animal Science Research, Lilly Industries Limited, Dextra Court,

Chapel Hill, Basingstoke, Hants: The use of disease models in the efficacy evaluation and development of novel therapeutic agents

39. G. Baskin, J. Blanchard, Debbie Sullivan, S. Dash, M. Gerber, Department of Pathology, Tulane Regional Primate Research Center and Tulane University School of Medicine, New Orleans, Louisiana, USA: Preclinical studies of liver-directed gene therapy in non-human primates
40. E.D. Roberts, R.P. Bohm Jr., R.C. Lowrie, Y.Gu, Y. Lobet¹, M.T. Philipp, Tulane University Primate Research Center, Cogington LA, USA, ¹SmithKline Beecham Biologicals, Rixensart, Belgium: The disease pattern caused by *Borrelia burgdorferi*, the Lyme disease spirochaete, in rhesus macaques depends on the spirochaete strain
41. P.C. Howroyd: Systemic septic lesions in marmosets associated with *Streptococcus equisimilis* or *Klebsiella pneumoniae*
42. J.M. Bradshaw, P.E. Watkins, G.R. Pearson, B.F. Warren, Department of Pathology and Microbiology, Bristol University School of Veterinary Science, UK: Colonic adenocarcinoma in the cotton top tamarin

Session: Serology, Toxicology

43. O. Erganis, H.H. Hadimli, H. Solmaz, Leyla Guter, H. Turutoglu, Selcuk Universitesi Veteriner Fakultesi, Mikrobiyoloj Anabilim Dah, Cimenlik, Konya, Turkiye: A comparative study on diagnosis of ovine brucellosis, chlamydiosis and toxoplasmosis by FIA (immunocomb) and cft, rbpt/sat
44. O. Erganis, H.H. Hadimli, H. Solmaz, M. Corlu, B. Baysal, Selcuk Universitesi Veteriner Fakultesi, Mikrobiyoloj Anabilim Dah, Cimenlik, Konya, Turkiye: Preparation of rbpt antigens from *Br. abortus*, *Br. melitensis*, *Br. suis* ve *Ps. aeruginosa*: a preliminary report
45. T.J. Van Winkle, R.E. Moreau, K.L. Overall and D. Hughes, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, USA: Acute hepatic necrosis associated with benzodiazepine therapy in cats
46. M.A. Mitchell and D.A. Sandercock, Roslin Institute (Edinburgh), Roslin, Midlothian: Mechanisms of monensin induced myotoxicity: the basis for therapeutic strategies

Session: Mammary tumours: p53 studies

47. C. Benazzi, R. Preziosi, G. Sarli, P.S. Marcato, Istituto di Patologia Generale e anatomia Patologica Veterinaria, Universita di Bologna, Italy: Considerations on histological grading of canine and feline mammary tumours and survival
48. O. Manzel, S. Wurm, S. Ueberschär, H.-O. Hoppen¹, Institute of Pathology and ¹Institute of Chemistry, Hannover Veterinary College, Hannover, Germany: Estrogen and progesterone receptors in histologic sections of canine mammary tumours in correlation to histologic type
49. L. Pefia, M.D. Perez Alenza, A. Nieto, G.R. Rutteman¹, M. Castano, C.J. Cornelisse², Dept. Animal Pathology II, Veterinary Faculty, Madrid, Spain, ¹Dept. Clinical Science of Companion Animals, Veterinary Faculty, Utrecht, The Netherlands, ²Dept. Pathology, Human Medical Centre, Leiden, The Netherlands: Ki-67 and PCNA expression in canine mammary tumours: correlation with flow cytometric s-phase fraction and clinical and pathological variables. Prognostic value
50. G. Sironi, S. De Carli, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Universita degli Studi di Milano: Immunohistochemical evaluation of aberrant expression of p53 protein in hyperplastic and neoplastic mammary lesions of cat

51. H.M. Johnston, H.M. Pirie, H. Thompson, Department of Veterinary Pathology, University of Glasgow Veterinary School, Glasgow, UK: p53 immunohistochemistry in equine and canine tumours
52. M. Castagnaro, R. De Maria, A. Follenzi¹, Universita degli Studi di Torino, Facolta di Medicina Veterinaria, Dipartimento di Patologia Animale and ¹Facolta di Medicina e Chirurgia, Dipartimento di Scienze Biomediche ed Oncologia Umana, Torino, Italy: DNA genomic sequence of the exons and of the intron/exon junctions of the most conserved coding regions of the cat p53 gene

Session: Reproduction, Chlamydia

53. B. Grüninger, H.-A. Schoon, A. Runge, D. Schoon, S. Menger, Institut für Veterinär-Pathologie der Universität Leipzig, Germany: Distribution and ultrastructure of angiopathies in the equine uterus
54. Hedda Kriesten¹, Doris Schoon, H.-A. Schoon, ¹Institute of Pathology, School of Veterinary Medicine, Hannover, Germany, Institute of Pathology, Department of Veterinary Medicine, University of Leipzig, Germany: Prognostic value of endometrial vascular changes within the categorizing system of uterine biopsies of mares
55. Monika Welle, J. Beltz¹, Institut fur Tierpathologie der Universitat Bern, ¹Tierklinik für Fortpflanzung der Freien Universität Berlin: The equine uterine mast cell during the puerperal period: evaluation of mast cell numbers and types in comparison to inflammatory changes
56. H. De Cock, R. Ducatelle, J. De Schepper¹, H. Vermeirsch¹, Laboratory of Veterinary Pathology and ¹Small Animal Medicine, University of Ghent, Belgium: Estrogen receptor expression in normal uterus and in cystic endometritis-pyometra complex in the bitch, an immunohistochemical study
57. Roger Daniel, Veterinary Investigation Centre, Johnstown, Carmarthen: Investigation of two disease syndromes on a dairy farm including techniques for the diagnosis of chlamydial and neospora infection
58. R. Thoma, L. Corboz¹, E. Heinen², A. Pospischil, Institute of Veterinary Pathology and ¹Institute of Bacteriology, University of Zurich, ²Bayer AG, VT-F/IK-Biologika F&E, Monheim: Immunohistochemical detection of chlamydiae in foetal organs from swine abortions
59. Andrew Holliman, Penrith Veterinary Investigation Centre (M.A.F.F.) Veterinary Investigation Service, Calthwaite, Penrith, Cumbria, UK: Bovine chlamydial abortion in the UK - a description of two outbreaks

Session: Gastrointestinal system

60. J.R. Thomson, W.J. Smith¹, S. McOrist², Scottish Agricultural College Veterinary Services, Edinburgh, ¹Scottish Agricultural College Veterinary Services, Aberdeen, ²Department of Veterinary Pathology, Edinburgh University: Pathological changes in field cases of porcine spirochaete-associated colitis
61. F. Gusetti, I. Schiller, T. Sydler, L. Corboz¹, R.K. Hoop¹, A. Pospischil, Institute for Veterinary Pathology and ¹Institute for Veterinary Bacteriology, University of Zurich, Zurich: Experimental infection of gnotobiotic piglets with Chlamydia trachomatis strain S45
62. S. Roels, R. Ducatelle, L. Willems, D. Broeckaert¹, J. Hoorens, Department of Pathology, Faculty of Veterinary Medicine, University of Ghent, Belgium, ¹Department of Biochemistry, Faculty of Medicine, University of Ghent, Belgium: Gastric ulcers in slaughter pigs: a survey of the lesions and study of the cytokeratin expression pattern

63. M. Häußler, E.M. Liebler, A. Daugschies¹, J.F. Pohlenz, Dept. of Pathology and ¹Dept. of Parasitology, Veterinary School of Hannover, Hannover, Germany: Changes in the number of lymphocyte subsets, macrophages, mast cells and eosinophils in the large intestine of pigs during infection with *Oesophagostomum dentatum*
64. R.J. Higgins, G.R. Pearson¹, C. Wray², MAFF, Thirsk Veterinary Investigation Centre, North Yorkshire, ¹University of Bristol Veterinary School, ²Central Veterinary Laboratory, Weybridge: Attaching and effacing *E. coli*: Microscopic and ultrastructural observations on intestinal infections in pigs
65. J. Kremendahl, A. Kipar, M. Reinacher, Institut für Veterinär-Pathologie der Universität Leipzig, Leipzig, Germany: Examinations on the differential expression of viral proteins gp70, p27, and p15(e) in spontaneous FeLV-associated enteritis
66. G.L. Caldow, R. Munro¹, SAC Veterinary Service, St. Boswell, Scotland, UK, ¹CVL Lasswade Veterinary Laboratory, Penicuik, Scotland, UK: Necrotising enteritis in suckled calves
67. J.A. Smyth, M. Benkő¹, D.A. Moffett, B. Harrach¹, Department of Agriculture for Northern Ireland, Veterinary Sciences Division, Stoney Road, Stormont, Belfast, UK, ¹Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary: Investigation of the role of bovine adenovirus type 10 in fatal enteric disease in cattle, by *in situ* hybridization
68. H.E. Jensen, Laboratory of Veterinary Pathology, The Royal Veterinary and Agricultural University, Copenhagen, Frederiksberg, Denmark: The pathology of early mycotic infections of the bovine omasum and forms of dissemination
69. J. Hau, H.E. Jensen¹, Laboratory Animal Science and Welfare, Department of Pathology and Infectious Diseases, The Royal Veterinary College, University of London, London, UK, ¹Department of Pharmacology and Pathobiology, The Royal Veterinary and Agricultural University, Frederiksberg, Copenhagen, Denmark: Murine models for the study of bovine mycotic placentitis and mastitis

Session Respiratory system

70. M.R. Ackermann, K.B. Register, T.S. Howe¹, R.B. Rimler, USDA/ARS National Animal Disease Center, Swine Respiratory Diseases Project, Ames, ¹University of Iowa, Iowa City, Iowa, USA: Reduced physeal area and chondrocyte proliferation by *Pasteurella multocida* toxin in pigs
71. P. Grest, H. Keller, T. Sydler¹, A. Pospischill, Clinic of Veterinary Medicine, ¹Institute of Veterinary Pathology, University of Zurich: The prevalence of pneumonia and pleuritis in pigs at slaughter in Switzerland
72. M. De las Heras, A. Ortín, L.M. Ferrer, J.A. García de Jalo, LM. Cebrian: Departamento de Patología Animal, Universidad de Zaragoza, Zaragoza, Spain: Pathology of enzootic intranasal tumour in sheep in Spain
73. M. Palmarini, C. Cousens, P. Dewar, M. De las Heras¹, R.G. Dalzier², J.M. Sharp, Moredun Research Institute, Edinburgh, UK, ¹Departamento de Patología Animal Universidad de Zaragoza, Spain, ²Department of Veterinary Pathology, Edinburgh University, Edinburgh, UK: Tissue specific expression of sheep pulmonary adenomatosis retrovirus
74. E. Sanna, A. Mancosu, A. Leoni, A.M. Nieddu, Department of Veterinary Pathology, University of Sassari, Italy: Parasitic pneumonitis in sheep: T-cell subsets and MHC antigens
75. M.R. Ackermann, M.E. Kehrli, Jr., K.A. Brogden, USDA/ARS National Animal Disease Center, Ames, Iowa, USA: Infiltration of CD18 neutrophils in spontaneous and experimental pneumonias of cattle with bovine leukocyte adhesion deficiency (BLAD)

Session: Respiratory system, cardiovascular system

76. N. Majo, A. Ramis, A. Pages¹, X. Gilbert, M. Marti², Department of Pathology, School of Veterinary Medicine, Universitat Autonoma de Barcelona, ¹Labarotorios Hipra S.A. Amer. Girona, ²Electron Microscopy Service, Universitat Autonoma de Barcelona: Immunogold labelling of turkey rhinotracheitis virus in tissues of experimentally infected chickens
77. C.G. Vitali, G. Rossi, E. Taccini, G. Braca, V. Nardini¹, G. Renzoni, S. Rossi, Dipartimento di Pat. Animate, Profilassi ed Igiene degli Alimenti, ¹Dipartimento di Biomedicina, Sez. Anat. Patologica, Universita di Pisa, Italia: Pulmonary granular cell tumour in a horse: anatomo-histopathological, immunohistochemical and ultrastructural investigations
78. C.D. Buergeit, P. Ginn, J. Wolf, University of Florida, Gainesville, USA: Interstitial proliferative pneumonia in young horses
79. S. Saari, Antti Sukura, Anna-Kaisa Järvinen¹, Departments of Basic Veterinary Sciences and ¹Clinical Sciences, College of Veterinary Medicine, Helsinki, Finland: Diagnostic pathology of *Pneumocystis carinii* pneumonia in dogs
80. M. Jacobs, J. Hellmann, G. Weiße, F. von Landenberg, Institute of Toxicology, E. Merck Darmstadt, Germany: Spontaneous granulomatous inflammation in the right atrium of a Beagle dog - a case report
81. M.H. Maxwell, G.W. Robertson, D. Moseley¹, Roslin Institute (Edinburgh), Roslin, Midlothian, Scotland, ¹Department of Clinical Biochemistry, West Middlesex University Hospital, Isleworth, Middlesex: Premature heart disease identified in young commercial broiler chickens using serum troponin T as a selection marker
82. J.P. Orr, B.R. Blakley¹, Departments of Veterinary Pathology and ¹Veterinary Physiological Sciences, Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Saskatchewan, Canada: Investigations of chronic heart failure in aborted bovine fetuses

Session: Cardiovascular system, blood and bone marrow

83. T.K. Jensen³, B. Aalbaek¹, J. Buttenschon², N.F. Friis³, J. Kyrvall⁴, L. Ronsholt⁵, Department of Pharmacology and Pathobiology, ¹Department of Microbiology, Royal Veterinary and Agricultural University, Frederiksberg, ²Ministry of Agriculture, Veterinary Services, ³National Veterinary Laboratory, Copenhagen, ⁴The Federation of Danish Pig Producers and Slaughter-houses, ⁵State Veterinary Institute for Virus Research, Lindholm, Denmark: Fibrinous pericarditis in slaughter pigs: cases of concurrent infections with *Mycoplasma hyopneumoniae* and *Mycoplasma hyosynoviae*
84. G. D'Andrea, S. Amedeo¹, F. Guarda, M. Castagnaro, ¹Dipartimento di Scienze e Tecnologie Biomediche e di Biometria, Universita degli Studi dell'Aquila, Dipartimento di Patologia Animale, Universita degli Studi di Torino, Italy: Biochemical analysis of glycoprotein changes in cardiac valves of pigs with endocardiosis
85. F. Guarda, C. Gagna, B. Griglio, M. e Rossignoli, Dipartimento di Patologia animale, Universita degli Studi di Torino, Torino, Italy, USSL di Nichelino, Torino, Italy: Aortic and pulmonary conus pathology of swine hearts
86. J.C. Gomez-Villamandos, M.J. Bautista, L. Carrasco, J.M.A. Sierra, M.A. Hervas, Dpt. Veterinary Pathology, University of Cordoba, Spain: Pathological study of bone marrow in acute African swine fever
87. J.A. Smyth, D.A. Moffett and M.S. McNulty, Department of Agriculture for Northern Ireland, Veterinary Sciences Division, Stormont, Belfast, UK: Sequential histopathological and immuno-

cytochemical studies on chicken anaemia virus infection

88. J. Weikel, Animal Health Service of Bavaria, Grub, Poing, Germany: Post mortem diagnosis and lesions of ovine eperythrozoonosis

Session: Skin

89. H. De Cock, M.R. Van Roy, R. Ducatelle, K. Kinnaer, D. Broeckaert¹, S. Roels, Laboratory of Veterinary Pathology, University of Ghent, Belgium, ¹Laboratory of Physiological Chemistry, Faculty of Medicine, University of Ghent, Belgium: Cytokeratin expression in equine seborrhoeic dermatitis of the pastern region
90. J.H. Walter, Kathrin Schwegler, Institute of Veterinary Pathology, FU Berlin, Germany: The cytokeratin profile in normal and diseased canine epidermis and adnexes
91. L. Ferrer, D. Fondevila, R. Rabanal, M. Vilafranca, Dpt. Pathol, Veterinary School, UAB, Barcelona, Spain: T-cells are predominant in the inflammatory infiltrate of canine alopecia areata
92. A. Corradi, A.M. Cantoni, A. Zatelli¹, E. Cabassi, Istituto di Anatomia Patologica Veterinaria, Parma, Italy, ¹Medico Veterinario Libero Professionista, Reggio Emilia, Italy, Desmoplastic fibroma in a great dane?
93. V. Bornand Jaunin, C. von Tscharner, M.M. Suter, Institut für Tierpathologie, Universitat Bern, Bern, Switzerland: Injection site sarcoma in the cat: a retrospective study
94. M. Hendrick, D. Dambach, J. Carlson, Laboratory of Pathology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, USA: Immunohistochemical identification and localization of growth factors in normal and wounded feline skin and panniculus, feline postvaccinal panniculitis, and feline postvaccinal sarcomas

Session: Leishmaniasis – Urinary system

95. Anna Braniecki, P. Ossent, B. Grafl, A. Pospischil, Institute for Veterinary Pathology, University of Zürich and ¹Institute for Animal Sciences, Federal Institute of Technology, Zürich, Switzerland: Characterization and cause of tail tip lesions (“necrosis”) in fattening bulls
96. M. Vilafranca, D. Fondevila, L. Ferrer: Immunohistochemical characterization of the cutaneous inflammatory infiltrate in canine leishmaniasis
97. M. Castano, I.G. Reai, L. Pena, N.D. Bru, A. Rodriguez, M. Rodriguez, Dpt. of Animal Pathology II, Veterinary Faculty, Complutense University of Madrid, Spain: Clinical and immunocytochemical aspects in renal lesions of advanced canine leishmaniasis
98. A. Poli, F. Abramo, C. Di lorio, D. Matteucci¹, P. Mazzetti¹, M. Pistello¹, F. Maggi¹, P. Barsotti², M. Bendinelli¹, Department of Animal Pathology and ¹Department of Biomedicine, Section of Virology, University of Pisa, ²Department of Experimental Medicine, University of Rome “La Sapienza”, Rome, Italy: Aspects of the pathogenesis of renal alterations associated with feline immunodeficiency virus-infection
99. W. M. Moges, W. Drommer, M. Brügmann, M. Wendt¹, Institute of Pathology and ¹Clinic for Swine and Small Ruminants, School of Veterinary Medicine, Hannover, FRG: Nephropathy in sows with special reference to *Eubacterium suis* infection
100. J.R. Turk, S.W. Casteel, R. Guzman, G.E. Rottinghaus, Veterinary Medical Diagnostic Laboratory College of Veterinary Medicine, University of Missouri, Columbia, Missouri, USA: Porcine nephropathy induced by long term feeding of fumonisin B
101. M.G. Canese, F. Valenza, C. Gagna, G. Ru, B. Griglio¹, F. Guarda, Dipartimento di Patologia Animale, Universita degli Studi di Torino, Italy, ¹USSL n.8, Nichelino (To), Italy:

Immunohistochemical study of swine nephroblastoma

Session: Urinary system, endocrines

102. J.M. Bradshaw, P.J. Brown, G.R. Pearson, P.E. Holt¹, Dept. of Pathology and Microbiology and ¹Dept. of Clinical Veterinary Science, Bristol University School of Veterinary Science: Dysuria associated with urethral caruncles in three dogs
103. P.J. Brown, D.M. Gunn-Moore, T.J. Gruffyd-Jones, P.E. Holt, University of Bristol School of Veterinary Science, Langford, Bristol, UK: Priapism in cats
104. T.J. Rosol, Andrea Gröne, L.A. Nagode, D.J. Chew, Carole L. Steinmeyer, C.C. Capen, Departments of Veterinary Biosciences and Clinical Sciences, The Ohio State University, Columbus, Ohio, USA: Parathyroid hormone-related protein (PTHrP) and the pathogenesis of humoral hypercalcemia of malignancy in dogs
105. G. Minkus, U. Jütting, K. Rodenacker, P. Gais, W. Breuer¹, W. Hermanns¹, GSF-Institut für Pathologie, Oberschleißheim, ¹Institut für Tierpathologie, Ludwig-Maximilians-Universität, München: Islet cell tumours in the dog: a study using image cytometry, proliferation index, AgNOR analysis
106. P.A. Graham, A.S. Nash, Department of Veterinary Medicine, University of Glasgow, Glasgow: Long-term monitoring of glycaemic control in canine diabetes mellitus

Session: Mycobacteria

107. C.J. Clarke, C. Burrells¹, D. Little, A. Colston¹, J. Kay¹, J.M. Sharp¹, Dept. Veterinary Pathology, University of Edinburgh, UK, ¹Moredun Research Institute, Edinburgh, UK: Cellular and humoral immune responses and cytokine changes in ovine paratuberculosis
108. D. Little, H.M. Alzuherri, C.J. Clarke, Dept. Veterinary Pathology, Veterinary Field Station, University of Edinburgh, Edinburgh, UK: Characterisation of the ileal lymphocytes in ovine paratuberculosis
109. M. Pittau, E. Sanna, A.M. Nieddu, G. Massarelli¹, A. Onida¹, L. Bosincu¹, Department of Veterinary Pathology and ¹Institute of Pathological Anatomy, University of Sassari, Italy: Mycobacterium paratuberculosis DNA detection by in situ hybridization
110. J.F. Garcia Marin, B. Persi¹, R. Juste¹, V. Perez, G. Chavez¹, R. Bolea¹, M. Gutierrez¹, J. Tellechea¹, J.J. y Badiola¹, Anatomia Patologica, Dpt. Patologia Animal, Medicina Animal Facultad de Veterinaria, Campus de Vegazana, León, Spain, ¹Anatomia Patologica, Dpt. Patologia Animal Facultad de Veterinaria, Zaragoza, Spain: Studies on pathogenesis of ovine paratuberculosis
111. V. Perez, C. Burrells, G.McF. Blair, J. Porter, K. Connor, K. Stevenson, A. Pirie, J.M. Sharp, Moredun Research Institute, Edinburgh, Scotland, UK: Experimental infection of red deer (*Cervus elaphus*) with *Mycobacterium avium* subspecies *silvaticum* and *Mycobacterium avium* subspecies *paratuberculosis*
112. J.F. Garcia Marin, J. Tellechea, M. Gutiérrez, V. Pérez, Anatomia Patolgica, Dpt. Patología Animal, Medicina Animal, Facultad de Veterinaria, Campus de Vegazana, León, Spain: Histopathological evaluation of a killed vaccine against paratuberculosis in sheep

Session Mycobacteria, Amyloid, Camel, Wild animals

113. E. Bollo, F. Guarda, M.T. Capucchio, F. Rosseel¹, Dipartimento di Patologia Animale, Università degli Studi di Torino, Italy, ¹Gen-Probe Europe: Immunohistochemical investigations and identification of *Mycobacterium tuberculosis* complex by transcriptase mediated amplification

on tissue samples from cattle and pigs

114. M. Caniatti, P. Roccabianca, E. Scanziani, Valeria Penati¹, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Universita degli Studi di Milano, ¹Istituto Villa Marelli (ex Consorzio Antitubercolare), Milano, Italy: Feline leprosy - spontaneous remission in one cat
115. V. Perez, A. Greig¹, J.M. Grant², K. Stevenson, A. Pirie, J.M. Sharp, Moredun Research Institute, Gilmerton Road, Edinburgh, UK, ¹SAC Veterinary Services, Perth, UK, 232 York Place, Perth, Scotland, UK: Diagnosis of paratuberculosis in free-living rabbits
116. E. Gruijs, W.J.M. Landman¹, N.H.M.T. Peperkamp¹, C.A.M. Hulskamp-Koch, P.C.J. Tooten, K. Sletten², Department of Veterinary Pathology of Utrecht University, ¹Animal Health Center Western and Central Netherlands, ²Biotechnology Centre of Oslo University, Norway: Amyloid arthropathy in poultry
117. E. Scanziani, A.M. Giusti, F. Origgil¹, L Crippa, Istituto di Anatomia Patologica Veterinaria e Patologia Aviare, Universita degli Studi, Via Celoria, Milano, Italy, ¹Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia, Brescia, Italy: Occurrence of some bacterial infections (leptospirosis, gastric spirillosis, cilia-associated respiratory (car) bacillus infection) in urban rats
118. H.B. Nothelfer, U. Wernery, C.P. Czerny¹, Central Veterinary Research Laboratory Dubai U.A.E., ¹Institut für Med. Mikrobiologie, Infektions- und Seuchenmedizin der Ludwig-Maximilians-Universität München, Germany: Morphological and immunocytochemical findings in camel pox
119. N.P.J. Kriek, V. de Vos¹, Department of Pathology, Faculty of Veterinary Science, University of Pretoria, South Africa, ¹National Parks Board, South Africa: The pathology of anthrax in free-living African wildlife

Session: Marine mammals

120. U. Agrimi, G. Di Guardo¹, A. Corradi², P. Fazzi, R. Frati¹, N. Zizzo³, S. Kennedy⁴, Istituto Superiore di Sanita, Laboratorio di Medicina Veterinaria Rome, Italy, ¹Istituto Zooprofilattico Sperimentale delle Regioni Lazio e Toscana, Rome, Italy, ²Istituto di Anatomia Patologica Veterinaria, Universita degli Studi di Parma, Parma, Italy, ³Istituto di Anatomia Patologica Veterinaria, Universita degli Studi di Bari, Bari, Italy, ⁴Department of Agriculture for Northern Ireland, Veterinary Sciences Division, Stormont, Belfast, Northern Ireland: A survey on the neuropathology of cetaceans stranded off the Italian coast between 1987 and 1994
121. Mariano Domingo, Department of Pathology, Vet. Faculty, Barcelona, Spain: A review of the morbillivirus epizootic in the mediterranean striped dolphin (*Stenella coeruleoalba*)
122. S. Kennedy, T.P. Lipscomb¹, Y. Schulman¹, U. Agrimi², G. Di Guardo³, Veterinary Sciences Division, Department of Agriculture, Stormont, Belfast, Northern Ireland, ¹Division of Veterinary Pathology, Armed Forces Institute of Pathology, Washington, USA, ²Istituto Superiore di Sanita, Rome, Italy, ³Istituto Zooprofilattico Sperimentale delle Regioni Lazio e Toscana, Rome, Italy: Comparative pathology of morbillivirus infections in marine mammals
123. M. Aleksandersen, T. Landsverk, B. Gjerde¹, Department of Morphology, Genetics and Aquatic Biology, ¹Department of Pharmacology, Microbiology and Food Hygiene, Norwegian College of Veterinary Medicine, Oslo: Lesions of the ileal lymphoid follicles in lambs infected with *Eimeria ovinalis*

Poster presentations

DOG

P1 K. Alton, Institute of Pathology and Forensic Veterinary Medicine, University of Veterinary Medicine, Vienna: Separation of Os sesamoideum Musculi poplitei in two old dogs. Radiological and histological findings

P2 Roman Halouzka, Vet. Pharm., Dpt. Pathology, Brno, Czech Republic: Cutaneous cryptococcosis in the dog

P3 K. Tuch, Byk Gulden Pharmaceuticals, Institute for Pathology and Toxicology, Hamburg: Helicobacter associated lesions in gastric mucosa of the dog

P4. L. Della Salda, G. Cattoli, R. Zanoni, V. Sanguinetti, A. Serraino, C. Benazzi, Dept. of Veterinary Public Health and Animal Pathology, University of Bologna, Italy: Isolation of Helicobacter felis from naturally dead kennel dogs in Italy

P5 M. Sozmen, P.J. Brown, University of Bristol, School of Veterinary Science, Langford, Bristol, UK: IgA, IgG and IgM immunohistochemical staining of dog and cat salivary glands

P6 J.M. Bradshaw, M. Sozmen, V.M. Lucke, P.J. Brown, G.R. Pearson, J.G. Lane¹, Dept. of Pathology and Microbiology and ¹Dept. of Clinical Veterinary Science, Bristol University School of Veterinary Science, Bristol, UK: Lipomatous lesions of the canine salivary gland

P7 Seppo Saari, Elise Saario, Anna-Kaisa Järvinen¹, Departments of Basic Veterinary Sciences and ¹Clinical Sciences, College of Veterinary Medicine, Helsinki, Finland: Pathological aspects of respiratory distress syndrome (ARDS) in young Dalmatian dogs

P8 Karin Gaedke, A. Zurbriggen¹, Institut für Veterinär-Pathologie, Justus-Liebig Universität Giessen, Giessen, Germany, ¹Institute for Animal Neurology, University of Bern, Switzerland: Usefulness of different DIG-labelled DNA and RNA probes for detection of canine distemper virus n-protein RNA in the brain of dogs with distemper encephalitis by in situ hybridization

P9 H. Weissenböck, G. Obermaier¹, Institute of Veterinary Pathology and Forensic Veterinary Medicine, University of Veterinary Medicine, Vienna, Austria, ¹Institute of Veterinary Pathology, Ludwig-Maximilians-University, Munich, Germany: Myeloencephalopathy resembling Alexander's disease in a Bernese mountain dog

P10 M. Jovanovic, Sinovec Snezana, Veterinary Faculty, Belgrade, Yugoslavia: Pathomorphologic diagnostic of distemper infection in dog

P11 W. Breuer, K. Stahr, W. Hermanns, Institute of Veterinary Pathology, University of Munich: Bone marrow alterations in infectious diseases of dogs and cats

CAT

p12 X. Pickering, C. Novoa P. Garcia, P. Llorens, M. Gonzalez, B. Sanchez, M. Castario, Departamento de Patología Animal II, Facultad de Veterinaria, U.C.M., Madrid, Spain: A comparative study of radiological and pathological findings in pulmonary feline tuberculosis

P13 S. Kovacevic, Department of Pathology, Faculty of Veterinary Medicine, University of Belgrade: Immunohistochemical and pathohistological finding in the lungs of feline leukemia virus infected cats

P14 F. Femenia¹, F. Crespeau, J.J. Fontaine, A.L. Parodi, Unite Pedagogique d'Histologie et Anatomie Pathologique. ¹U.R.A. - I.N.R.A., Immunopathologie cellulaire et moleculaire. Ecole Nationale Veterinaire d'Alfort, France: Immunological and hematological study of cats (*Felis domesticus*) experimentally infected with the feline immunodeficiency virus (FIV)

P15 F. Jelinek, D. Vozkova, P. Hron; Vet. Pharm. Univ. Dpt. Pathol., Brno, Czech Republic, Private Vet. Clin., Prague, Czech Republic: Medulloepithelioma in cat

HORSE

P16 M. Pirie, H.M. Pirie, N.G. Wright, D.J. Taylor, S. Love and R. Dalgleish, University of Glasgow, Veterinary School, Glasgow, UK: Strangles viewed with the scanning electron microscope. A new look at *Streptococcus equi* infection

P17 U. Hinrichs, M. Brügmann, P. Wohlsein, J. Pohlenz, Institute of Pathology, School of Veterinary Medicine, Hannover, Germany: Malignant biphasic peritoneal mesothelioma in a horse

P18 Nicole Kirchhof, W. Scheidemann¹, W. Baumgärtner, Institut für Veterinär-Pathologie, Justus-Liebig-Universität, Giessen, ¹Tierklinik Hochmoor, Gescher-Hochmoor, Germany: Visceral neurofibromatosis of the small intestine in a horse

P19 T.C. Buckley, Mary Hennessy, Anne Walsh, Des Leadon, Irish Equine Centre and Abbott GmBH Diagnostika: Evaluation of the abbott Cell-dyn 3500 (CD 3500) for the analysis of equine blood samples

OX

P20 C. Tegtmeier, A.A. Uttenthal, N.F. Friis, N.E. Jensen, H.E. Jensen¹, Danish Veterinary Laboratory, Copenhagen, Denmark, ¹The Royal Veterinary Agricultural University, Frederiksberg, Denmark: Correlation between pathology and microbiology in pneumonic calf lungs in Denmark

P21 J. Gutián, A. Diaz, G. Fernández, M.L. Sanjuán, E. Yus, Patología Infectiosa y Epizootiología, Facultad de Veterinaria de Lugo, Univ. Santiago, Spain: Infectious bovine rhinotracheitis (IBR) in North Spain: prevalence rate of antibodies against BHV-1 in bulk milk of dairy herds

P22 B. Helmick , A. Otter , M. Jeffrey¹, S. Scholes¹, A.J. Trees², J.P. Dubey³, Veterinary Investigation Service, ¹Central Veterinary Laboratory, Lasswade, ²School of Tropical Medicine, Liverpool, UK, ³Parasite Biology and Epidemiology Laboratory, Beltsville, Maryland, USA: Bovine neosporosis: correlation of maternal and fetal serology with histological examination of aborted calves, and investigation of the specificity of serology as a diagnostic method

P23 J.R. Thomson, S.F.E. Scholes¹, F.E. Howie, J. Spence², SAC Veterinary Services, Veterinary Investigation Centre, Bush Estate, Penicuik, Midlothian, ¹Lasswade Veterinary Laboratory, Bush Estate, Penicuik, Midlothian, ²ADRA Moredun Institute, Edinburgh, UK: Beta mannosidosis in salers calves in the UK

P24 L.H. Thomas, W. Haider¹, Julie M. Finch, Institute for Animal Health, Compton Laboratory, Newbury, UK, ¹Freie Universität, Pathologie, Berlin, Germany: Cows with chronic infections of the mammary gland with *Streptococcus uberis* mount little inflammatory response and have an intact humoral immune response

P25 A. Diaz, G. Fernandez, F.J. Gutián, M.L. Sanjuan, E. Yus, Patología Infectiosa y Epizootiología, Dpto. Patología Animal, Facultad de Veterinaria, Universidad de Santiago de Compostela, Spain: Contributions to the study of the influence by *Corynebacterium bovis* in bovine mammary glands infections

GOATS

P26 J.L. Rodriguez, J. Oros, P. Herraez, P. Castro, D.L. Brooks, A. Fernandez, Department of Pathology, Veterinary Faculty, University of Las Palmas de G.C., Spain: Detection of caprine mycoplasma in tissues using immunohistochemical methods and polyclonal antibodies

Addlestone, Surrey, UK: The pathology of experimental infections in a) SPF and b) conventional pigs with H1 N1 swine influenza a virus

P40 S.H. Done, I.H. Brown, W. Colley, Y. Spencer, Central Veterinary Laboratory, New Haw, Addlestone, Surrey, UK: The pathology of swine influenza H1N2 infections in pigs

P41 J.R. Thomson, K. Sumption¹, J.A. Awuni¹, J. Calzada¹, Scottish Agriculture College Veterinary Services, Edinburgh, UK, ¹Centre for Tropical Veterinary Medicine, University of Edinburgh, UK: Porcine enzootic pneumonia: evaluation of a PCR-assay for *Mycoplasma hyopneumoniae* in lung tissue as an aid to disease diagnosis

P42 L. Carrasco, J.C. Gómez-Villamandos, Lara F. de Chacón-M, P.J. Wilkinson¹, A. Jover, Dept. Anatomy and Comparative Pathology, Veterinary Faculty, Cordoba, Spain, ¹Institute of Animal Health, Pirbright, UK: The role of pulmonary intravascular macrophages in acute African swine fever

P43 S.D. Stoev, S. Vitanov¹, S. Denev², Department of Pathology, ¹Histology and ²Microbiology, University of Zootechnics and Veterinary Medicine, Stara, Bulgaria: Morphological and ultra-structural investigations in experimental ochratoxicosis in pigs

P44 T. Sydler, W. Koch¹, F. Gusetti, L. Corboz², A. Pospischil, Institute for Veterinary Pathology, ¹Institute for Veterinary Bacteriology, University of Zurich, and ²Private practice, Hohenrain, Switzerland: Technique of closed hysterotomy to produce germ free piglets for research

CELL CULTURE

P45 J. Koninkx, D. Brown¹, W. Kok, H. Hendriks, A. Pusztai¹, S. Bardocz¹, J. Mouwen, Department of Veterinary Pathology, Faculty of Veterinary Medicine, University of Utrecht, Yalelaan, Utrecht, The Netherlands, ¹The Rowett Research Institute, Bucksburn, Aberdeen, Scotland, UK: Polyamine metabolism of enterocyte-like caco-2 cells after exposure to *Phaseolus vulgaris* lectin

P46 W. Kok , J. Koninkx , C.M. Lehr¹, J. Mouwen, Department of Veterinary Pathology, Faculty of Veterinary Medicine, University of Utrecht, The Netherlands, ¹Department of Pharmaceutical Technology, Philipps University, Marburg, Germany: The effect of *Phaseolus vulgaris* lectin on the barrier function of caco-2 cell monolayers

AVIAN

P47 M. Pizarro, I. Gimeno, J.M. Flores, F. Ramiro-Ibanez, B. Sanchez, Departamento de Patología Animal II, Facultad de Veterinaria, U.C.M. Madrid, Spain: Experimental sodium chloride toxicosis in chicken: early damage in testis and kidney

P48 J.C. Gómez-Villamandos, A. Mendez, L. Carrasco, J. Martin de las Mulas, M.A. Sierra, Dept. Veterinary Pathology, University of Córdoba, Spain: Avian adenovirus infection (group 11) in psittacine birds. Pathological study

FISH

P49 F. Mutinelli, Maria A. Bozza, G. Bovo, Istituto Zooprofilattico Sperimentale delle Venezie, Orus 2, Padova, Italy: Immunohistochemical demonstration of viral haemorrhagic septicaemia (VHS) virus in trout (*Salmo trutta*) from natural outbreaks

P50 M.L. Sanjuan, C. Diaz, A. Diaz, F.J. Guitián G. Fernández, E. Yus, Patología Infecciosa y Epidemiología. Dpto. Patología Animal., Facultad de Veterinaria, Universidad de Santiago de Compostela, Spain: Infectious pancreatic necrosis (IPN): detection of antibodies to the causative virus by serological tests

P51 S. Biavati, L.D. Salda, M. Manera, Istituto di Patologia Generale e Anatomia Patologica

Veterinaria. Via Tolara di Sopra, 40 Ozzano, Emilia (BO), Italy: Histochemistry and ultrastructure of the macrophage aggregates (mas) of *Sparus aurata* L., preliminary results

RODENTS, RABBITS AND MINK

P52 B. Kränzlin, N. Gretz, Department of Nephrology and Medical Research Center, University of Heidelberg, Klinikum Mannheim, Mannheim, FRG: Uremia and extra-renal organ manifestation of polycystic kidney disease in aged female pkd-rats

P53 C. Stark, B. Kahrmann¹, B. Ozierenski, E. Meyer, German Institute of Human Nutrition, Department of Nutritional Toxicology, Bergholz-Rhbrücke, Germany, ¹ since October 1994 Free University of Berlin, Institute of Veterinary Pathology: Pathological observations in the pancreatic islet cells of diabetes-prone bb rats at different stages of diabetes mellitus

P57 K. Mätz-Rensing, A. Rothe, F-J. Kaup, Working Group Experimental Pathology, German Primate Center, Göttingen: Immunohistochemical expression of various leucocyte adhesion molecules in lymphoid tissues of mice and rhesus

P54 C.D.N. Toseland, M.C. Dwyer, RW. Greenhill, M.R. Slaughter, A.S. Kelvin, SmithKline Beecham Pharmaceuticals, The Frythe, Welwyn, UK: BRL 46470A-induced diabetic syndrome in Sprague dawley rats

P55 D. Behne, H. Weiler¹, M. Kalklösch, A. Kynakopoulos, Hahn-Meitner-Institut, Berlin, Germany, ¹Institut für Veterinär-Pathologie, Freie Universität, Berlin, Germany: Study on the effects of selenium deficiency on prostatic morphology and the selenium-containing proteins in the prostate gland

P56 E. Cornaglia, M. Dacasto, E. Bollo, A. Gennari, L. Ceppa and C. Nebbia, Dipartimento di Patologia Animale, Universita degli Studi di Torino, Italy: Morphological, ultrastructural and biochemical alterations induced by hypergravity conditions on mouse thymocytes in primary culture

P58 F. Jelinek, Vet. Pharm. Univ., Dpt. Pathol., Brno, Czech Republic: Changes of glycids composition and binding of some lectins in the caecum of rabbits with experimentally induced enterotoxaemia

P59 J.M. Nieto, M.I. Quiroga, M. López-Peria, S. Vazquez, Department of Veterinary Pathology, Faculty of Veterinary, Lugo, Spain: Neuropathological findings in mink (*Mustela vison*) following oral infection with Aujeszky's disease virus (ADV)

TEACHING

P60 M. Adé-Damilano, C. von Tscharner, M.M. Suter, Institut für Tierpathologie der Universität Bern, Switzerland: Development of computer assisted teaching modules

ADDITIONAL POSTERS

P61 M. Wyers , Y. Cherel, V. Joliot¹, C. Khelif¹, F. Lasserre², G. Dambrine² and B. Perbal³, Laboratoire d'Anatomie Pathologique, Ecole Nationale Veterinaire, Nantes, France, ¹Institut Curie, Orsay, ²INRA, Nouzilly, ³Universite Paris 7-D. Diderot: Renal blastema hyperplasia and nephroblastomas induced in chicken by various recombinants of myeloblastosis associated virus (MAV)

P62 M. Wyers, Y. Kane, P. Paulet, M. Germain¹, M. Alexandre¹, E. Thibault¹, Laboratoire d'Anatomie Pathologique, Ecole Nationale Veterinaire, Nantes, ¹Etablissements Grimaud Freres, La Corbiere, Roussay: Enzootic renal adenocarcinoma of reproductive Rhine geese

P63 I. Dinev, O. Stoykov, S. Stoev, Department of Pathomorphology, University of Zootechnics

and Veterinary Medicine, Stara Zagora, Bulgaria: A case of enzootic myelocytomatosis in birds associated with other neoplasms

P64 I. Gonzalez, J.C. Marco, L.A. Cuorvo, G. Aduriz, Dpto. Patología Animal, SIMA, Derio, Spain: Comparative pathology mastitis caused by Maedi Visna virus and Mycoplasma agalactiae in sheep

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