



# LISBON 2023 Joint Congress of the ECVP: ESVP: ECVCP: ESVCP





## Joint European Congress of Veterinary Pathology & Clinical Pathology

Convention Center Lisbon Portugal 30 August - 2 September 2023

#### CONGRESS PROGRAM















## 30 August 31 August

#### RESIDENT DAY AUDITORIUM III

09.00-10.30

**QuPath Workshop II - Part 1** Learn how to use open source

software for quantitative pathology & bioimage analysis - focus on Al Zbianiew Mikulski, Robert Klopfleisch

10.30-11.00 Break, Fover D

11.00-12.30

QuPath Workshop II - Part 2

Learn how to use open source software for auantitative pathology & bioimage analysis - focus on Al Zbigniew Mikulski, Robert Klopfleisch

12.30-14.00 **Lunch** Foyer D

14.00-15.30

Research Methodology II - Part 1

The Scientific Method. The design of clinical studies and basic statistics Laura Peña, Adelina Gama,

Guillermo Valdivia

15.30-16.00 Break, Foyer D

16.00-17.30

Research Methodology II - Part 2 The Scientific Method. The design of

clinical studies and basic statistics Laura Peña, Adelina Gama, Guillermo Valdivia

19.00-20.00 Welcome Reception Auditorium I & Foyer D

**AUDITORIUM I** 

**AUDITORIUM III** 

**ROOM 1.07** 09.00-10.30

Workshop -

**Scientific Poster** 

How do I do it?

communication

Diana Vieira da Silva

strategies for scientific posters

Part 1

Visual

**ROOM 1.08** 

08.00-09.00 Residents breakfast Seperate registration required

09.00-09.45

Climate change & animal health session

Keynote Lecture: Sand fly borne-diseases in Europe epidemiological overview and potential triggers for their emergence and re-emergence Carla Maia

09.45-10.30

**Special session** 

Exploring the Potential of Natural Language Processing in Veterinary Pathology: Applications and Insights from ChatGPT Lev Stimmer

10.30-11.00 Break | Exhibition & Poster Tour: Exotic, Wild Animals, NHP & Miscellaneous & Poster Flash

IDEXX

11.00-11.45

Exotics, zoo & wild animals

**Oral Presentations** 

**Special session** 

11.45-12.30

11.00-11.45 Pathophysiology and clinical pathology of

**AUDITORIUM II** 

bone and joint disease Stephan Neumann

11.45-12.30 **Hematology** 

Oral Presentations

11.00-11.45 Miscellaneous

**Oral Presentations** 

11.45-12.30 Poster flash **Oral Presentations**  11.00-12.30 Workshop -

Part 2 The Visual Abstract What is it and

how do I do it? Ana Rita Baptista

12.30-14.00 Lunch | Exhibition

14.00-15.30

**Kevnote Lecture: Aauaculture** & wild fish pathology session

Parasitic diseases of relevance in aqua-culture and wild fish in Europe and the impact of global warming Heike Schmidt-Posthaus, Roberto Bermudez Pose

14.00-14.45 **Bioquemistry** Oral Presentations

14.45-15.30 **Bioquemistry** Oral Presentations 14.00-14.45

Immature platelet fraction (IPF) in the differential diagnosis of canine and Sysmex feline thrombocytopenia

Alejandro Pérez Écija

14.45-15.30 **Hematology** Oral Presentations 14.00-15.30 Workshop

**Digital Gross** Photography in Anatomic Pathology Luján Lluis

15.30-16.00 Break | Exhibition & Poster Tour New Methods, New Technology, Teaching & Fish Pathology

16.00-17.15

New methods, new technology; teaching

**Oral Presentations** 

17.30-19.00 **ECVP AGM** 

16.00-16.45 **Evolution of Ervthrocytes** in Vertebrates

John Harvey

16.45-17.30 **Equine Haematology:** Foal to Adult Alexendra Draper

17.30-18.30 **ECVCP AGM**  16.00-16.45 Fish pathology Oral Presentations

16.45-17.30 **ECVP Examination** 

Tips and tricks for residents

and supervisors

Joint Sessions Veterinary Pathology



### 1 September

#### **AUDITORIUM I**

#### AUDITORIUM II

#### **AUDITORIUM III**

#### 08.45-10.15

**Livestock pathology session** Keynote lecture: Update on Avian influenza

Keynote lecture: Update on Avian influenza virus infection in Europe *Natàlia Majo* 

#### Diagnostic talk

Emerging problems in poultry: What are the poultry diagnosticians facing? Alex Cobos

08.45-09.30 Repeat Patient Testing for Veterinary haematology analysers Susan Daly

09.30-10.15 A Practical Approach to Testing For Common Equine Endocrinopathies Alex Draper 08.45-09.30 **Cytology** Oral Presentations

09.30-10.15 **Cytology**Oral Presentations

#### 10.15-10.45 **Break | Exhibition & Poster Tour** Tumour & Livestock & Clinical Pathology

#### 10.45-11.30

Bone Marrow Biopsies: Aspirates versus Cores John Harvey

11.30-12.15

Cytology grading schemes what can and can not be said Paola Monti

10.45-11.30 Tumour Pathology Oral Presentations

11.30–12.15 Tumour Pathology Oral Presentations 10.45-11.30 **Livestock** Oral Presentations 11.30-12.15 **Livestock** 

**Oral Presentations** 

#### 12.15-13.30 Lunch | Exhibition

#### 13.30-15.30

Oncology & oncopathology session
Keynote lectures: Closing the

circle: Bridging the advances in cancer understanding with advances in therapeutics and diagnosis David Argyle

Clinical laboratory experience with a next-generation sequencing-based liquid biopsy test for cancer detection in dogs Andi Flory

Is histopathology of tumors outdated? Advances and potentials of old-fashioned techniques in the -omics era *Giancarlo Avallone* 

#### 15.30-16.00 Break | Exhibition & Poster Tour Animal Models & Forensic Matters

## 16.00-17.30 Cytology Mystery Slides Carlo Masserdoti



16.00-16.45 **Animal models**Oral Presentations

16.45-17.30 **Animal models** Oral Presentations

17.30-18.30 **ESVP AGM** 

16.00-17.00 Forensic matters Oral Presentations 17.00-17.30

Vet pathology journal session

An overview and update on publishing in Veterinary Pathology *Joshua Webster* 

19.30-00.00 Gala Dinner & Dance Party Venue: Estufa Fria

#### **AUDITORIUM I**

#### **AUDITORIUM II**

09.00-10.30
Clinical cases through the lens of clinical and anatomical pathologists

2 September

Helena Ferreira, Danilo Wasaues



#### 10.30-11.00 Break

11.00-12.30

Anatomic Pathology Mystery Slide Session Second Opinion Round

Elena Riccardi, Dimitra Psalla

12.30-13.00 Congress conclusions Veterinary Pathology

12.30-13.00

11.00-12.30

Congress conclusions
Clinical Pathology

**Clinical Pathology** 

**Case Presentations** 

Mariana Serra, Marta Costa

#### Microscopes Room 1.05

THURSDAY 31 AUGUST 09.00-17.30 FRIDAY 1 SEPTEMBER 08.45-17.30 SATURDAY 2 SEPTEMBER 09.00-13.00

#### **Speaker preview Room 1.14**

WEDNESDAY 30 AUGUST 08.00-19.00 THURSDAY 31 AUGUST 08.00-17.00 FRIDAY 1 SEPTEMBER 08.00-17.00 SATURDAY 2 SEPTEMBER 08.00-13.00



Joint Sessions

17.30-18.30

**ESVCP AGA** 

**Veterinary Pathology** 



## Oral Abstracts Veterinary Pathology Thursday 31 August 2023

11.00-11.15 11.15-11.30 11.30-11.45	PATHOLOGICAL FEATURES OF AN OUTBREAK OF A NON-VIRAL PANCYTOPAENIA IN CATS J. Williams DIAGNOSTIC PITFALLS IN CLINICAL MEDICAL DEVICE STUDIES: A CASE STUDY ANALYSIS O.K. Richard EFFECT OF AGE ON THE OCCURRENCE OF ENDOMETRIAL ADENOCARCINOMA, PYOMETRA AND ENDOMETRIAL CYSTIC HYPERPLASIA IN CATS: A DESCRIPTIVE STUDY A. Jordão
11.00-11.15 11.15-11.30	SESSION 2: EXOTICS, ZOO AND WILD ANIMALS CETACEAN NEUROBRUCELLOSIS: PATHOLOGICAL AND IMMUNOLOGICAL COMPARATIVE ASPECTS WITH HUMANS AND ANIMAL MODELS A. Rebollada-Merino ERYSIPELAS IN A DOLPHIN WITH UNUSUAL CENTRAL NERVOUS SYSTEM INVOLVEMENT. WHAT DO PIGS AND DOLPHINS HAVE IN COMMON? L. Martino SPONTANEOUS OUTBREAK OF MYCOBACTERIUM TUBERCULOSIS COMPLEX IN LABORATORY CYNOMOLGUS MONKEYS (MACACA FASCICULARIS) K. Kegler
11.45-11.50 11.50-11.55 11.55-12.00 12.00-12.05 12.05-12.10 12.10-12.15 12.15-12.20 12.20-12.25 12.25-12.30	DIFFERENTIAL DIAGNOSIS FOR HEPATIC DISEASE AS THE CAUSE OF SERUM ALAT INCREASE; MYOPATHY OF THE SCHAPENDOES BREED DOG P. Syrjä BEYOND ANGIOGENESIS: UNVEILING VESSEL CO-OPTION AND VASCULOGENIC MIMICRY IN HIGHLY MALIGNANT CANINE CANCER G. Valdivia A ONE PATHOLOGY, MULTICENTRE PORTUGUESE APPROACH TO THYROID TUMOURS OF DOGS AND CATS T.B. Gaspar NUCLEAR MORPHOMETRY AND EXPRESSION OF CK20, P53 AND KI-67 IN THE DIAGNOSIS OF BLADDER TRANSITIONAL CELL CARCINOMAS IN DOGS J.G. Xavier DETECTION OF PD-L1, PD-1, AND CTLA-4 BY RNA IN SITU HYBRIDIZATION IN CANINE ORAL MELANOCYTIC NEOPLASMS AND THEIR MICROENVIRONMENT G. Foian METHYLATION ANALYSIS OF LINE-1 ELEMENTS AND MORPHOLOGICAL NUCLEAR PARAMETERS IN THE DIFFERENTIAL DIAGNOSIS OF CUTANEOUS MELANOCYTIC TUMORS IN DOGS J.G. Xavier IMMUNO-ONCOLOGICAL CHARACTERIZATION OF CANINE CUTANEOUS HISTIOCYTOMA BY GENE EXPRESSION PROFILING UTILIZING NANOSTRING NCOUNTER® RNA HYBRIDIZATION TECHNIQUE A. Haake STREAMLINING MICROSCOPE-BASED KI-67 INDEX ESTIMATION: LET'S MAKE IT SIMPLE! S. Valente ARTIFICIAL INTELLIGENCE PREDICTS THE C-KIT-11 MUTATIONAL STATUS OF CANINE CUTANEOUS MAST CELL TUMOURS THROUGH THEIR PHENOTYPE IN HE STAINED HISTOLOGICAL SLIDES C. Puget
16.00-16.15 16.15-16.30	SESSION 4: FISH PATHOLOGY AN OUTBREAK OF CRYPTOCARYON IRRITANS DURING QUARANTINE-NEW VARIATIONS OF AN OLD THEME D. Denk SYSTEMIC GRANULOMATOSIS IN MEAGRE (ARGYROSOMUS REGIUS): A LINK WITH ATYPICAL MYCOBACTERIA M. Polinas RECURRENT FISH KILLS IN A SMALL WARM RESERVOIR: LIFE ON THE VERGE OF DEATH F. Godinho
	SESSION 5: NEW METHODS, NEW TECHNOLOGY, TEACHING PROCESSING METHODOLOGY FOR HISTOPATHOLOGICAL ASSESSMENT OF BLACK SOLDIER FLY (HERMETIA ILLUCENS) LARVAE GUT. A. Alvarado- Muñoz CANINE MAMMARY TUMORS DATASET (CMTD): AN OPEN HISTOPATHOLOGY RESOURCE FOR COMPUTER-AIDED PATHOLOGY G.P. Burrai COMPARATIVE SPATIAL PROTEOMICS BETWEEN SARS-COV-2 INFECTED LUNGS OF ROBOROVSKI DWARF HAMSTERS AND SYRIAN HAMSTERS S. Kunder TRAINING ON HEALTHY TO LEARN PATHOLOGY": AN ALTERNATIVE APPROACH FOR A.I. SUPERVISED LEARNING IN NEOPLASTIC TISSUES L. Ressel

THE VIRTUAL POST MORTEM ROOM: IMMERSIVE GROSS PATHOLOGY EXPERIENCE IN THE METAVERSE L. Ressel

17.00-17.15

## Oral Abstracts Veterinary Pathology Friday 1 September 2023

SKIN ULCERATIONS IN DANISH NURSERY PIGS K. Barington

16.30-16.45

16.45-17.00

10.45-12.15	SESSION 6: LIVESTOCK
10.45-10.58	RE-EMERGENCE OF OVINE SHEEPPOX INFECTION IN SPAIN AFTER 54 YEARS L. Luján
10.58-11.11	A SEVERE OUTBREAK OF COLIBACILLOSIS IN BROILERS S. Kromann
11.11-11.24	UNRAVELLING THE PROTEIN SIGNATURE OF BOVINE AND PORCINE GRANULOMAS IN ANIMALS WITH A MYCOBACTERIUM TUBERCULOSIS COMPLEX FIELD
	INFECTION BY USING MALDI-MSI J. Gómez Laguna
11.24-11.37	DISCOVERY OF THE AVIAN RECEPTOR IN THE PORCINE NASAL MUCOSA REVEALS NEW INSIGHT INTO INFLUENZA A VIRUS HOST TROPISM C. Kristensen
11.37-11.50	PORCINE CIRCOVIRUS 3 (PCV-3) EXPERIMENTAL INOCULATION IN PREGNANT GILTS A. Cobos
11.50-12.03	EFFICIENCY OF DIFFERENT ORF VIRUS INFECTION ROUTES FOR THE EXPERIMENTAL REPRODUCTION OF CONTAGIOUS ECTHYMA IN LAMBS Á. Gómez
12.03-12.16	IS MECHANICAL MUCOSAL INJURY THE HIDDEN CULPRIT OF HAEMORRHAGIC BOWEL SYNDROME IN CATTLE? B. De Jonge
10.45-12.15	I SESSION 7: TUMOUR PATHOLOGY
10.45-10.58	FREE-CIRCULATING AND EXTRACELLULAR VESICLE-ASSOCIATED MICRORNAS IN HEALTHY AND T CELL LYMPHOMA BEARING DOGS V. Moccia
10.58-11.11	STEREOLOGICAL ESTIMATION OF MEAN NUCLEAR VOLUME AS PROGNOSTIC FACTOR IN CANINE SUBCUTANEOUS MAST CELL TUMORS J. Catarino
11.11-11.24	COMPARISON OF CYTOLOGICAL AND HISTOLOGICAL CLASSIFICATION SYSTEMS FOR THE DETECTION OF NODAL METASTASES OF CANINE MAST CELL TUMOURS A. Renzi
11.24-11.37	PROPOSAL FOR A NEW HISTOLOGICAL GRADING SYSTEM FOR CANINE ORAL MELANOCYTIC TUMORS F. Chocteau
11.37-11.50	RAC1 PATHWAY IN CANINE ORAL MELANOMA PROGRESSION AND PROGNOSIS A. Lo Giudice
11.50-12.03	CORRELATION BETWEEN MALIGNANT HISTOLOGICAL FEATURES OF CANINE DIGITAL SQUAMOUS CELL CARCINOMA AND GENETIC KIT LIGAND
	COPY NUMBER VARIATION A. Cerezo Echevarría
12.03-12.16	EXPRESSION OF THE INHIBITOR-OF-APOPTOSIS SURVIVIN IS ASSOCIATED WITH POOR PROGNOSIS IN CANINE INVASIVE MAMMARY CARCINOMA M. Cuvelier
16.00 - 17.30	)   SESSION 8: ANIMAL MODELS
16.00-16.11	NEURONAL AND MYOCARDIAL DAMAGE IN A RAT MODEL OF VENTRICULAR FIBRILLATION CARDIAC ARREST WITH EXTRACORPOREAL CARDIOPULMONARY
	RESUSCITATION S. Högler
16.11-16.22	PATHOLOGICAL AND TRANSCRIPT ANALYSIS OF PROTECTION INDUCED BY MTBVAC AND BCG AGAINST MYCOBACTERIUM TUBERCULOSIS INFECTION IN RHESUS
	MACAQUES F.J. Salguero
16.22-16.33	USUTU VIRUS EXPERIMENTAL INFECTION IN EURASIAN BLACKBIRDS (TURDUS MERULA): A STEP TOWARDS THE IDENTIFICATION OF AN EXPERIMENTAL AVIAN MODEL G. Agliani
16.33-16.44	VASCULAR CHANGES IN ASSOCIATION WITH NON-SUPPURATIVE ENCEPHALITIS IN SARS-COV-2 INFECTED K18-HACE2 MICE S. De Neck
16.44-16.55	COULD HAMSTERS BE A MODEL FOR RESPIRATORY POST-ACUTE SEQUELAE OF SARS-COV-2? L. Heydemann
16.55-17.06	NERVE REGENERATION AFTER TRAUMA-INDUCED WALLERIAN DEGENERATION: WHAT DO WE LEARN FROM MURINE ANIMAL MODELS? R. de Miguel
17.06-17.17	MITOCHONDRIAL DEFECTS IN THE PARL DEFICIENT MOUSE MODEL LEAD TO ARRESTED SPERMATOGENESIS AND FERROPTOSIS E. Radaelli
17.17-17.27	IMPACT OF THE CGAS/STING PATHWAY ON THE TUMOUR ECOSYSTEM UNDER CHEMOTHERAPEUTIC PRESSURE IN TRIPLE NEGATIVE BREAST CANCER F. Chocteau
16.00 - 17.00	)   SESSION 9: FORENSIC MATTERS
16.00-16.15	GROSS, HISTOLOGICAL, AND CHEMICAL EVALUATION OF GUNSHOT WOUNDS IN VETERINARY FORENSIC PATHOLOGY G. Piegari
16.15-16.30	FORENSIC EVALUATION OF TAIL LESIONS IN PIGS: HISTOLOGICAL AND RADIOLOGICAL OBSERVATIONS C.K. Flyger

BETA-AMYLOID PRECURSOR PROTEIN (βAPP) AS A BIOMARKER FOR DETECTING TRAUMATIC AXONAL INJURY IN CATS W.H. Huang

## Oral Abstracts Clininical Pathology Thursday 31 August 2023

11.45-12.30  11.45-12.00 12.00-12.15 12.15-12.30	SESSION 1: HEMATOLOGY ESTABLISHING A MURINE MODEL ON LOW-DENSITY NEUTROPHILS GRANULOPOIESIS FOR PAEDIATRIC CEREBRAL MALARIA C. Attipa BOMBAY-LIKE DISCORDANCE BETWEEN ABC BLOOD GENOTYPE AND PHENOTYPE IN A DOMESTIC SHORT-HAIRED CAT A. Ginoudis PLASMA MRNA LEVELS OF CDC6 DECREASE IN RESPONSE TO CHEMOTHERAPY IN CANINE LYMPHOMA PATIENTS A. Musi
14.00-14.45   14.00-14.15 14.15-14.30 14.30-14.45	SESSION 2: BIOQUEMISTRY DETECTION OF RENAL TUBULAR TRANSPORTER PROTEINS IN CANINE URINARY EXTRACELLULAR VESICLES USING LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY T. Williams DETECTION OF TOTAL CELLULAR HISTAMINE IN BLOOD FROM CANINE AND FELINE PATIENTS USING A NOVEL BASOPHIL HISTAMINE RELEASE ASSAY A. Krogh RELATIONSHIP BETWEEN INFLAMM-AGING AND MYXOMATOUS MITRAL VALVE DISEASE (MMVD) IN SENIOR AND GERIATRIC DOGS: PRELIMINARY RESULTS F. Bonsembiante
	SESSION 3: BIOQUEMISTRY
14.45-15.00	GLYCATED HAEMOGLOBIN (HBA1C) AND SERUM FRUCTOSAMINE IN SICK, NON-DIABETIC DOGS RECEIVING ORAL PREDNISOLONE: PRELIMINARY RESULT I. Oikonomidis
15.00-15.15	CAN WE USE OUR PATIENT DATABASE FOR ESTIMATING REFERENCE INTERVALS? CHALLENGES AND OPPORTUNITIES OF THE NEW "INDIRECT METHODS" S. Manzocchi
15.15-15.30	EVALUATION OF A NOVEL APPROACH TO DETERMINE A REFERENCE INTERVAL OUT OF MIXED DATA SETS AND CALCULATION OF OPTIMIZED CUTOFFS FOR CANINE DGGR LIPASE A. Pankraz
14.45-15.30	SESSION 4: HEMATOLOGY
14.45-15.00	AGREEMENT BETWEEN NUCLEATED RED BLOOD CELLS INSTRUMENTAL COUNT USING SYSMEX XN-V AND MANUAL COUNTS AND POSSIBLE IMPACT ON THE DIAGNOSIS OF ANEMIA AND LEUKOPENIA S. Paltrinieri
15.00-15.15	ASSOCIATION BETWEEN LIPAEMIA, HAEMOLYSIS AND ICTERUS, AND DIFFERENCE BETWEEN MEAN CORPUSCULAR HAEMOGLOBIN CONCENTRATION (MCHC) AND MEAN CELLULAR HAEMOGLOBIN CONCENTRATION (CHCM) (&MCHC-CHCM) IN CANINE COMPLETE BLOOD COUNT ASSESSED WITH SIEMENS ADVIA 2120 M. Ferrari
15 15-15 30	DEFINITIVE PADIOTHERAPY IN DOGS WITH SOLID THMORS ALTERS PERIPHERAL LYMPHOCYTES AND MONOCYTES. Lawrence

## Oral Abstracts Clininical Pathology Friday 1 September 2023

#### 08.45-09.30 | SESSION 5: CYTOLOGY

08.45-09.00

PREDICTING CANINE CUTANEOUS MAST CELL TUMOR BEHAVIOR BY INTEGRATING CYTOLOGY AND STEREOLOGY R. Marcos

PREDICTING CANINE CUTANEOUS MAST CELL TUMOR BEHAVIOR BY INTEGRATING CYTOLOGY AND STEREOLOGY R. Marcos

FLOW CYTOMETRY APPLICATION IN THE DETECTION OF NODAL METASTASIS IN DOGS WITH MAST CELL TUMOUR G. lamone

09.15-09.30 CYTOLOGY OF AQUEOUS HUMOR IN CATS WITH UVEITIS D. Legroux

#### 09.30-10.15 | SESSION 6: CYTOLOGY

09.30-09.45 CEREBROSPINAL FLUID FINDINGS AND CENTRAL NERVOUS SYSTEM DISORDERS IN SMALL RUMINANTS – A RETROSPECTIVE STUDY IN SHEEP AND GOATS B. Riond 09.45-10.00 CYTOMORPHOLOGICAL ASSESSMENT OF CANINE INTERMEDIATE/LARGE CELL LYMPHOMA – A PROPOSED MODEL FOR PHENOTYPE PREDICTION: PRELIMINARY

**RESULTS** M. Neta

10.00-10.15 IMMUNOHISTOCHEMICAL CLASSIFICATION OF THE FOÀ-KURLOFF CELL IN GUINEA PIGS K. Weber



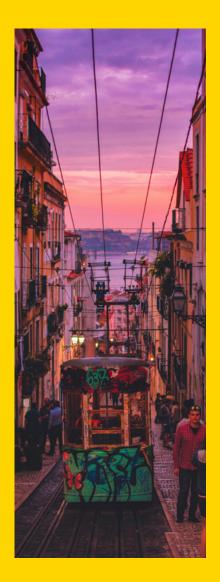














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