



RESIDENTS DAY | THURSDAY 12th SEPTEMBER 2019

OVO Wrocław, Address: Podwale street 83, Wrocław, <http://www.ovowroclaw/en-index.html>

Invited Speakers:

Ines Carrera, DVM MVM PhD DipIECVDI, Willows Veterinary Centre and Referral Service, United Kingdom

Elsa Beltran, DipIECVN Royal Veterinary College, University of London

Tobias Schwarz, MA Dr. med. vet. DipECVDI DACVR DVR FRCVS Royal (Dick) School of Veterinary Studies, Edinburgh, United Kingdom

Residents Day		
08.00-08.45	REGISTRATION	
08.45-09.00	Welcome	Marcin Wrzosek (Chair)
09.00-10.00	MRI basic to advanced. Recognition of MRI artifacts and pseudolesions.	Dr. Ines Carrera
10.00-11.00	MRI sequences optimization for the brain pathology - inflammation, neoplasm, vascular, metabolic etiologies.	Dr. Ines Carrera
11.00-11.30	COFFEE BREAK	
11.30-12.30	MRI for the visual system.	Dr. Elsa Beltran
12.30-13.30	LUNCH	
13.30-14.15	Anisocoria – How can MRI help in the diagnosis?	Dr. Elsa Beltran
14.15-15.00	Understanding computed tomography of the brain in animals.	Dr. Tobias Schwarz
15.00-15.30	COFFEE BREAK	
15.30-16.15	Understanding spinal CT in animals.	Dr. Tobias Schwarz
16.15-16.30	Discussion & final remarks	

WELCOME RECEPTION | THURSDAY 12th SEPTEMBER 2019 Venue:

Wrocław City Hall , address: Rynek Ratusz 1, Wrocław, GPS: 51°06'35"N 17°01'54"E

19.00	Welcome reception: Wrocław City Hall and after that ... Polish Bar Tasting Tour and bar from the time of socialism in Poland "PRL"
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32ST ANNUAL SYMPOSIUM OF THE ESVN-ECVN:

Conference venue: WROCŁAW OPERA, Świdnicka street 35, 50-066 Wrocław, GPS: 51°06'10"N 17°02'04"E

Symposium Day 1 - FRIDAY 13 th Sept. 2019		
07.15-08.15	REGISTRATION	
08.15-08.30	Opening ceremony & welcome:	Marcin Wrzosek (Chair)
08.30-09.15	Keynote: 3 tesla imaging vs. 1.5 vs. low-field – what do we realistically profit from the technology in veterinary neurology?	Dr. Ines Carrera
09.15-10.00	Keynote: Magnetic resonance spectroscopy (1H MRS) – application of the method in clinical neurology.	Dr. Ines Carrera
10.00-10.30	COFFEE BREAK – EXHIBITION AND POSTER SESSION	EXHIBITION AREA
10.30-11.40	Research presentations (each 10 minutes)	
01	TOLERABILITY AND INITIAL EFFICACY OF CONVECTION ENHANCED DELIVERY OF COMBINATORIAL IL-13RA2 AND EPHA2 TARGETED CYTOTOXINS TO DOGS WITH SPONTANEOUS INTRACRANIAL GLIOMAS	John H Rossmeisl
02	IMAGING FEATURES OF DISCOSPONDYLITIS IN CATS	Sergio Andrade Gomes
03	A HOMOZYGOUS 7-BP DELETION OF GDF7 ASSOCIATED WITH FELINE FOREBRAIN COMMISSURAL MALFORMATION CONCURRENT WITH VENTRICULOMEGALY AND INTERHEMISPHERIC CYSTS	Yoshihiko Yu
04	STUDYING THE COGNITIVE AND BRAIN PHENOTYPE OF THE DELTA E50-MD CANINE MODEL OF DUCHENNE	Abbe Harper Crawford
05	REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION: A POTENTIAL NOVEL TREATMENT OPTION FOR CANINE DRUG-RESISTANT EPILEPSY	Marios Charalambous
06	PLASMA NEUROFILAMENT LIGHT CHAIN AS A BIOMARKER OF NEURO-AGING IN DOGS	Wojciech K Panek
07	CONCURRENT DISC- AND OSSEOUS-ASSOCIATED CERVICAL SPONDYLOMYELOPATHY: MRI FEATURES IN 48 DOGS	Ronaldo C. da Costa
11.45-12.30	Keynote: Differentiation of glioblastoma multiforme, metastases and primary central nervous system lymphomas using multiparametric perfusion and diffusion MR imaging of a tumor core and a peritumoral zone-Searching for a practical approach.	Prof. Anna Zimny, M.D. PhD.
12.30-13.30	LUNCH – EXHIBITION AND POSTER SESSION	EXHIBITION AREA
13.30-14.15	Keynote: An Functional Magnetic Resonance Imaging (fMRI) Study on the Central Auditory System.	Dr hab. Tomasz Wolak, M.D. PhD
14.15-15.15	Flash presentations (each 3 minutes)	
FP 1	SURGICAL TREATMENT OF ATLANTO-AXIAL SUBLUXATION USING 3D-PRINTED PATIENT-SPECIFIC DRILL GUIDES FOR PLACEMENT OF TRANSPEDICULAR SCREWS IN 12 DOGS	Cristina Toni



32nd ESVN-ECVN Symposium
Wrocław 13-14 September 2019

FP 2	WHAT DO PEOPLE WANT TO KNOW ABOUT CANINE AND FELINE EPILEPSY? LOOKING FOR ANSWERS USING GOOGLE TRENDS	Marta Płonek
FP 3	MAGNETIC RESONANCE IMAGING FEATURES OF SOLITARY VERTEBRAL MASSES IN NINETEEN DOGS AND ONE CAT	Emilie Hanot
FP 4	EXERCISE INDUCED METABOLIC MYOPATHY IN GERMAN HUNTING TERRIER DOGS: CORRELATION BETWEEN GENOTYPE AND PHENOTYPE	Franziska Mühlhause
FP 5	HYPERSEXUALITY RESPONSIVE TO PHENOBARBITAL IN A NEUTERED MALE DSH CAT	Theophanes Liatis
FP 6	A NEW FRAMELESS OPTICAL NEURONAVIGATION SYSTEM FOR BRAIN BIOPSIES IN EIGHT DOGS	Sarah Hanemann
FP 7	MYELO-CT IMAGING FINDINGS IN FOUR DOGS WITH GROSS SURGICAL CONFIRMED COMPRESSIVE HYDRATED NUCLEUS PULPOSUS EXTRUSION	Alba Farré Mariné
FP 8	CLINICAL PRESENTATION, MRI FINDINGS, HISTOPATHOLOGY AND OUTCOME IN A CAT WITH MASTICATORY MYOSITIS	Marco Armellini
FP 9	3T MRI CHARACTERISTICS AND FUNCTIONAL OUTCOME IN DOGS WITH SEVERE SPINAL CORD INJURY FOLLOWING THORACOLUMBAR DISC HERNIATION	Beth Boudreau
FP 10	MEDIAN MANUBRIOTOMY AS A SIMPLE METHOD TO IMPROVE VENTRAL ACCESS TO C7, T1 AND T2 VERTEBRAL BODIES AND CORRESPONDING INTERVERTEBRAL DISC SPACES	Isidro Mateo
FP 11	ANALYSIS OF TREATMENT AND MONITORING PROTOCOLS OF CYTARABINE ARABINOSIDE IN CANINE PATIENTS	Devon Wallis Hague
FP 12	CLINICAL AND MRI FINDINGS IN TWO CATS WITH GLOBOID CELL LEUKODYSTROPHY	Alessia Silvia Colverde
FP 13	EVALUATION OF THE INVOLVEMENT OF TH17-CELLS IN THE PATHOGENESIS OF CANINE SPINAL CORD INJURY	Annika Kämpe
FP 14	INVESTIGATION OF A TH17 CELL-MEDIATED IMMUNE RESPONSE IN DOGS WITH IDIOPATHIC EPILEPSY	Anna Charlotta Maria Knebel
FP 15	CLINICAL, MAGNETIC RESONANCE IMAGING AND HISTOLOGIC FINDINGS OF CANINE THORACOLUMBAR DISCAL CYST	Erica Fiorentino
15.30-16.00	COFFEE BREAK – EXHIBITION - POSTER SESSION	EXHIBITION AREA
16.00-16.30	ECVN Consensus Statement: International Dyskinesia Taskforce Update.	Sofia Cerda-Gonzalez
16.30-18.00	Annual General Meeting	President ECVN Thomas Flegel

GALA DINNER | FRIDAY 13 SEPTEMBER 2019 – TOPACZ CASTLE, <http://www.zamektopacz.pl/en>

transportation from the Opera to the Gala Dinner at 19.00

19.30 – 1.00	Gala Dinner: Topacz castle
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32ST ANNUAL SYMPOSIUM OF THE ESVN-ECVN: DAY 2 |

Conference venue: WROCLAW OPERA, Świdnicka street 35, 50-066 Wrocław, GPS: 51°06'10"N 17°02'04"E

Symposium Day 2 - SATURDAY 14 th Sept. 2019		
08.30-09.10	Research presentations (each 10 minutes)	
O8	STATIC POSTUROGRAPHY AS A NOVEL DIAGNOSTIC TOOL IN DOGS WITH SUSPECTED THORACOLUMBAR SPINAL CORD DISEASE	Devon Wallis Hague
O9	INTRAOPERATIVE MEASUREMENT OF INTRAVENTRICULAR PRESSURE IN DOGS WITH COMMUNICATING INTERNAL HYDROCEPHALUS	Malgorzata Anna Kofecka
O10	CLINICAL FEATURES AND MAGNETIC RESONANCE IMAGING CHARACTERISTICS OF PRESUMPTIVE CONSTRICTIVE MYELOPATHY IN 26 PUGS	Filipa Espadinha Lourinho
O11	MAGNETIC RESONANCE SPECTROSCOPY FOR QUANTIFYING THE BRAIN REGIONAL BIOCHEMISTRY IN VIVO IN MURINE MODEL OF HUMAN GLIOMA	Maria Pasierbińska
09.10-09.15	SHORT FLASH BREAK	
09.15-10.00	Keynote: How to optimize CT for Neurodiagnostics.	Dr. Tobias Schwarz
10.00-10.30	COFFEE BREAK – EXHIBITION AND POSTER SESSION	EXHIBITION AREA
10.30-11.15	Keynote: CT & MRI for neurodiagnostics – Which one, when both, in which order?	Dr. Tobias Schwarz
11.15-12.05	Research presentations (each 10 minutes)	
O12	NEUROTRANSMITTER CONCENTRATIONS IN URINE ASSOCIATED WITH THE CONSUMPTION OF A MEDIUM-CHAIN TRIGLYCERIDE (MCT) SUPPLEMENT IN DOGS WITH IDIOPATHIC EPILEPSY	Benjamin Andreas Berk
O13	DEVELOPMENT AND CHARACTERISATION OF A ZEBRAFISH MODEL OF HYDROXYACYL-COA DEHYDRATASE 1-CENTRONUCLEAR MYOPATHY (HACD1-CNM)	Gemma Walmsley
O14	SPONTANEOUS REMISSION IN FELINE ACQUIRED MYASTHENIA GRAVIS WITHOUT ASSOCIATED CO-EXISTING DISEASE	Thomas Frederic Nicolas Mignan
O15	TOWARDS A CURE FOR NEUROLOGICAL FIP: A PILOT TRIAL OF GS-441524 NUCLEOSIDE ANALOG IN NATURALLY OCCURRING DISEASE	Peter James Dickinson
O16	WHOLE GENOME TRANSCRIPTOMICS DEFINES AN INFLAMMATORY ENVIRONMENT IN CNS HISTIOCYTIC SARCOMA IN DOGS AND POTENTIAL THERAPEUTIC TARGETS	Peter James Dickinson
12.05-12.10	SHORT FLASH BREAK	
12.10-12.40	Flash presentations (each 3 minutes)	
FP 16	CEREBROSPINAL FLUID VELOCITY IN HEALTHY DOGS	Daniela Schweizer
FP 17	POLYNEURITIS CRANIALIS - SUBTYPE OF ACUTE CANINE POLYRADICULONEURITIS?	Hélène Vandenberghe
FP 18	PROGNOSTIC VALUE OF EARLY COMPUTED TOMOGRAPHY IN DOGS AFTER TRAUMATIC BRAIN INJURY	Elsa Beltran
FP 19	MAGNETIC RESONANCE SPECTROSCOPY FINDINGS IN A BEAGLE DOG WITH GENETICALLY CONFIRMED LAFORA DISEASE	Neringa Alisauskaite
FP 20	A PATIENT-SPECIFIC 3D PRINTED SURGICAL GUIDE TO AID LOCALISATION OF THE DRILLING SITE DURING TRANSSPHEOIDAL HYPOPHYSECTOMY IN DOGS	Leticia Escauriaza



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FP 21	NOVEL NEUROMUSCULAR MANIFESTATIONS OF GLUTEN SENSITIVITY IN A BORDER TERRIER	Marco Rosati
FP 22	MULTIMODAL DIAGNOSTIC APPROACH FOR THE IMPROVEMENT OF DIAGNOSTIC ACCURACY OF CANINE NEUROMUSCULAR NEOSPOROSIS	Marco Rosati
FP 23	CT AND MRI FINDINGS OF THE THORACOLUMBAR VERTEBRAL COLUMN IN AN ADULT DOG WITH PRESUMED CONGENITAL HYPOTHYROIDISM	Ine Cornelis
FP 24	PROGNOSTIC VALUE OF GFAP AND NSE IN DOGS WITH MENINGOENCEPHALITIS OF UNKNOWN ORIGIN	Ine Cornelis
12.40-12.55	Presentation of ESVN-ECVN Annual Meeting 2020, Venice, Italy	Gualtiero Gandini
12.55-14.00	LUNCH– EXHIBITION AND POSTER SESSION	EXHIBITION AREA
14.00-14.45	Keynote: Spinal imaging - MRI. Spinal cord injuries in paraplegic dogs - diffusion tensor imaging.	Prof. Daniela Schweizer (-Gorgas)
14.45-15.30	Research presentations (each 10 minutes)	
O17	MAGNETIC RESONANCE IMAGING OF HYPERSYNCHRONIZED NEURONAL BRAIN ACTIVITY IN EPILEPTIC DOGS	Daniela Schweizer
O18	MRI MEASUREMENTS OF THE NORMAL CANINE TRIGEMINAL NERVE.	Charlotte Elizabeth Swain
O19	CRANIOFACIAL HYPOPLASIA IN CAVALIER KING CHARLES SPANIELS WITH CHIARI-LIKE MALFORMATION – A MACHINE LEARNING INSPIRED MORPHOLOGICAL STUDY	Clare Rusbridge
O20	SUSCEPTIBILITY WEIGHTED IMAGING AT 1.5 TESLA MAGNETIC RESONANCE IMAGING: COMPARISON WITH T2*-WEIGHTED GRADIENT ECHO SEQUENCE AND ITS CLINICAL INDICATIONS	Philippa Jane Weston
15.30-16.00	COFFEE BREAK – EXHIBITION AND POSTER SESSION	EXHIBITION AREA
16.00-16.30	Eternal struggle: Does a neurologist need radiologist for a neuroradiological diagnosis?	Fraser McConnell vs. Annette Wessman
16.30-17.30	Research presentations (each 10 minutes)	
O21	HEREDITARY SENSORY AND AUTONOMIC NEUROPATHY IN A FAMILY OF MIXED BREED DOGS: PHENOTYPIC AND GENETIC CHARACTERIZATION	Rodrigo Gutierrez Quintana
O22	THE PROGNOSTIC VALUE OF MODIFIED GLASGOW COMA SCALE AND CT IMAGING FINDINGS OF CATS AFTER TRAUMATIC BRAIN INJURY	Lydia Poad
O23	PUTATIVE RESTING STATE NETWORKS OF THE CANINE BRAIN	Adriano Wang Leandro
O24	SEMI-AUTOMATED IMAGE CLASSIFICATION FOR DETECTION OF T2 HYPOINTENSITY ON 3T MRI IN DOGS WITH SEVERE SPINAL CORD INJURY	Beth Boudreau
O25	CANINE WHARTON'S JELLY MESENCHYMAL STEM CELL THERAPY IN DOGS WITH ACUTE PARAPLEGIA AND ABSENT PAIN PERCEPTION AFTER THORACOLUMBAR DISK EXTRUSION	Dominik Faissler
O26	PERI-ICTAL MAGNETIC RESONANCE IMAGING CHANGES IN DOGS WITH IDIOPATHIC EPILEPSY	Arangan Nagendran
17.30-18.00	AWARDS & CLOSING REMARKS	Thomas Flegel & Marcin Wrzosek