



BRAIN CAMP 2018

Veterinary Neuroscience Advanced Course

23rd July – 3rd August 2018

**Department of Veterinary Medical Sciences
University of Bologna
Ozzano Emilia (Bologna), Italy**



SCIENTIFIC PROGRAMME

DAY 1 – Monday, July 23rd 2018: Functional Neuroanatomy and neuropathology

Time	Topic of the lecture		Speaker
08.30-09.00		Welcome and introduction to the course	
09.00-09.55	01	Embryology of the CNS – the nervous tissue	Vicente Aige
10.00-10.55	02	Functional neuroanatomy 1	Christine Thomson
11.00-11.30		<i>Coffee Break</i>	
11.30-12.25	03	Functional neuroanatomy 2	Christine Thomson
12.30-13.25	04	Functional neuroanatomy 3	Christine Thomson
13.30-14.30		<i>Lunch</i>	
14.30-15.25	05	Neuropathology – General pathology and basic reactions to injuries	Marc Vandeveldde
15.30-16.25	06	Neuropathology – Vascular and traumatic disorders	Anna Oevermann
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Neuropathology: recognizing major lesion patterns (interactive)	Anna Oevermann
18.00-18.55	08	Neuroanatomy: the Cranial Nerves “outside the skull”	Vicente Aige

DAY 2 - Tuesday, July 24th 2018: Neuroanatomy and Neuropathology. Neuroophthalmology -

Time	Topic of the lecture		Speaker
08.30-09.25	01	Functional neuroanatomy 4	Christine Thomson
09.30-10.25	02	Functional neuroanatomy 5	Christine Thomson
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Neuropathology: inflammatory and infectious diseases	Marc Vandeveldde
12.00-12.55	04	Neuropathology: neurodegenerative diseases	Marc Vandeveldde
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Neuropathology: Neoplastic diseases – classical issues and new insights	Anna Oevermann
15.30-16.25	06	Neuropathology: interactive summary	Anna Oevermann
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	The neuro-ophthalmologic examination	Elsa Beltran
18.00-18.55	08	Interactive neuro-ophthalmology	Elsa Beltran

Day 3 - Wednesday, July 25th 2018: Peripheral Nervous System disorders: anatomy, clinical aspects, electrodiagnostics and principles of neuromuscular pathology

Time	Topic of the lecture		Speaker
08.30-09.25	01	PNS functional anatomy	Kaspar Matiasek
09.30-10.25	02	Diagnostic approach to neuromuscular disease	Gualtiero Gandini
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Electrodiagnostics – general principles, instruments, artifacts	Nicolas Granger
12.00-12.55	04	Electrodiagnostics – EMG, MNCV and RNS	Nicolas Granger
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Principles of PNS neuropathology – the muscle	Kaspar Matiasek
15.30-16.25	06	Electrodiagnostics – SNCV, Cord Dorsum, SSEP, F-Wave, H-Wave	Nicolas Granger
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Principles of PNS neuropathology – the nerve	Kaspar Matiasek
18.00-18.55	08	PNS cases (interactive) -1	Gualtiero Gandini / Ezio Bianchi

Day 4 - Thursday, July 26th 2018: Electrodiagnostics, muscle and nerve biopsy, PNS clinical cases, Cerebellar cortical degeneration and Storage diseases

Time	Topic of the lecture		Speaker
08.30-09.25	01	Deafness: pathophysiology and diagnosis (BAER)	Ezio Bianchi
09.30-10.25	02	Electrodiagnostics cases: an interactive summary	Nicolas Granger
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Muscle and nerve biopsy – an interactive summary	Kaspar Matiasek
12.00-12.55	04	PNS cases (interactive) -2	Gualtiero Gandini / Ezio Bianchi
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Electroencephalography	Chris Mariani
15.30-16.25	06	Cerebellar cortical degeneration	Charles Vite
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Storage diseases – part 1	Charles Vite
18.00-18.55	08	Storage diseases – part 2	Charles Vite

Day 5 – Friday, July 27th 2018: Large and exotic animal neurology

Time	Topic of the lecture		Speaker
08.30-09.25	01	Large Animal Neurologic Examination - What I Really Look For	Joe Mayhew
09.30-10.25	02	Interpretation of Signs of Gait Abnormalities; Orthopedic versus Neurologic	Joe Mayhew
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Episodic Events; Seizures, Syncope and Sleep Disorders	Joe Mayhew
12.00-12.55	04	Equine Neurology interactive session	Joe Mayhew
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Bovine neurologic diseases	Antonio D'Angelo
15.30-16.25	06	Large Animals Neurology interactive session	Antonio D'Angelo
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Exotic animal neurology -1	Chris Mariani
18.00-18.55	08	Exotic animal neurology - 2	Chris Mariani

Neuroscience ADVANCED course 2018: second week

Day 6 - Monday, July 30th 2018: Analgesia, Anaesthesia and Inflammatory Disorders of the CNS

Time	Topic of the lecture		Speaker
08.30-09.25	01	Neuro-analgesia and anaesthesia - 1	Federico Corletto
09.30-10.25	02	Neuro-analgesia and anaesthesia - 2	Federico Corletto
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Immunology of the CNS	Andrea Tipold
12.00-12.55	04	CSF analysis and results	Andrea Tipold
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Feline inflammatory/infectious CNS disorders	Chris Mariani
15.30-16.25	06	Canine CNS infectious diseases still a challenge?	Andrea Tipold
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Meningoencephalitis of Unknown Etiology	Chris Mariani
18.00-18.55	08	Immunosuppressive therapy in veterinary neurology	Chris Mariani

Day 7 - Tuesday, July 31st 2018: Spinal disorders -1

Time	Topic of the lecture		Speaker
08.30-09.25	01	Pathophysiology and treatment of SC injury	Natasha Olby
09.30-10.25	02	Canine Acute Spinal cord disorders (interactive)	Luisa De Risio
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Intervertebral disc disease: a critical approach to different surgical techniques	Luisa De Risio
12.00-12.55	04	Physiotherapy and rehabilitation of the canine spinal patient	Ludovica Dragone
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Treatment of spinal fracture and luxation	Sebastien Knell
15.30-16.25	06	Bladder, anus and tail disorders: Pathophysiology and management	Natasha Olby
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Spinal anomalies – an interactive summary	Luisa De Risio
18.00-18.55	08	Chronic spinal cord disorders – an interactive summary	Natasha Olby

Day 8 - Wednesday, August 1st 2018: Spinal disorders -2

Time	Topic of the lecture		Speaker
08.30-09.25	01	Cervical spondylomyelopathy: a critical review of the disease and new perspectives	Ronaldo Da Costa
09.30-10.25	02	Cervical spondylomyelopathy: a critical approach to different treatment options	Ronaldo Da Costa
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Degenerative Lumbosacral Stenosis: a critical review of the disease and new perspectives	Frank Steffen
12.00-12.55	04	Degenerative lumbosacral stenosis: a critical approach to different surgical techniques	Frank Steffen
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Feline spinal disorders	Ronaldo Da Costa
15.30-16.25	06	MRI interactive session of spinal diseases	Ronaldo Da Costa
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Neurosurgical disasters – complications in spinal surgery	Massimo Baroni
18.00-18.55	08	Neurosurgical cases – an interactive summary	Massimo Baroni

Day 9 - Thursday, August 2nd 2018: Epilepsy, paroxysmal dyskinesia and metabolic encephalopathies

Time	Topic of the lecture		Speaker
08.30-09.25	01	Channelopathies	Dennis O' Brien
09.30-10.25	02	Pathophysiology of epileptic seizures and status epilepticus	Holger Volk
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Clinical application of IVETF statements and subsequent literature -1	Luisa De Risio
12.00-12.55	04	Clinical application of IVETF statements and subsequent literature -2	Luisa De Risio
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	Refractory Epilepsy	Holger Volk
15.30-16.25	06	Movement disorders	Dennis O' Brien
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Metabolic encephalopathies	Dennis O' Brien
18.00-18.55	08	Seizure and movement disorders –interactive	Holger Volk

Day 10 - Friday, August 3rd 2018: DNA testing, Head trauma, Cranio-cervical abnormalities and syringomyelia and CNS tumours

Time	Topic of the lecture		Speaker
08.30-09.25	02	DNA testing in neurologic diseases	Dennis O' Brien
09.30-10.25	01	Head trauma – pathogenesis and treatment	John Rossmeisl
10.30-11.00		<i>Coffee Break</i>	
11.00-11.55	03	Caudal fossa anomalies and syringomyelia	Holger Volk
12.00-12.55	04	Principles of intracranial surgery	John Rossmeisl
13.00-14.30		<i>Lunch</i>	
14.30-15.25	05	CNS neoplasia: Spinal cord tumours	John Rossmeisl
15.30-16.25	06	CNS neoplasia: Brain tumours	John Rossmeisl
16.30-17.00		<i>Coffee Break</i>	
17.00-17.55	07	Chemo- and radiotherapy in CNS tumours treatment	Carla Rohrer
18.00-18.55	08	Critical review of surgical tumours treatment	John Rossmeisl