

RESEARCH ABSTRACTS – ORAL

BOLDFACE TYPE INDICATES PRESENTATION BY A RESIDENT

Wednesday 17th, September

- | Room A | Moderator: |
|--|-------------------|
| 3:45 ANALGESIC EFFICACY OF PREOPERATIVE MELOXICAM IN ONYCHECTOMIZED CATS. | GL Carroll |
| 4:00 OWNER ASSESSMENT OF POST-OPERATIVE PAIN IN BITCHES FOLLOWING OVARIOHYSTERECTOMY. | HL Keates |
| 4:15 EFFECT OF ROUTE OF ADMINISTRATION ON THE THERMAL ANTINOCICEPTIVE ACTIONS OF HYDROMORPHONE IN CATS. | SA Robertson |
| 4:30 COMPARISON OF ORAL CARPROFEN, SUBCUTANEOUS KETOPROFEN, SUBCUTANEOUS BUPIVACAINE, AND INTRAMUSCULAR BUTORPHANOL FOR PRE-EMPTIVE ANALGESIA IN CATS UNDERGOING OVARIOHYSTERECTOMY. | KM Tobias |
| 4:45 PRE-EMPTIVE ANALGESIA WITH CARPROFEN AND LOCAL ANESTHETIC TECHNIQUES IN DOGS. | H Bergmann |

Wednesday 17th

- | Room B | Moderator: |
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| 3:45 CUTANEOUS AND RECTAL ANALGESIC, RESPIRATORY AND CARDIOVASCULAR EFFECTS, AND CONCENTRATION OF METHIONINE-ENKEPHALIN AND DYNORPHIN IN VENOUS PLASMA OF HORSES AFTER ELECTROACUPUNCTURE. | RT Skarda |
| 4:00 DEVELOPMENT OF A MULTIFACTORIAL NUMERICAL RATING SCALE (MNRS) TO EVALUATE PAIN IN HORSES: USE OF AN EXPERIMENTAL MODEL. | G Bussières |
| 4:15 EFFECTS OF PERIOPERATIVE MORPHINE ADMINISTRATION DURING HALOTHANE ANESTHESIA IN HORSES. | L Clark |
| 4:30 THE PHARMACOKINETICS OF MELOXICAM IN HORSES. | MD Sinclair |
| 4:45 TEMPORAL SUMMATION EVOKED BY REPEATED TRANSCUTANEOUS ELECTRICAL STIMULATIONS IN CONSCIOUS HORSES: AN EXPERIMENTAL STUDY BASED ON THE NOCICEPTIVE WITHDRAWAL REFLEX. | C Spadavecchia |

Room C

Moderator:

- 3:45 EFFECT OF ISOFLURANE, ATRACURIUM, FENTANYL AND NOXIOUS STIMULATION ON BISPECTRAL INDEX IN PIGS. SA Greene
- 4:00 EFFECTS OF PHARMACOLOGIC MANIPULATION OF BRAIN NITRIC OXIDE ON THE LOCOMOTOR ACTIVITY OF MICE EXPOSED TO 70% N₂O. RD Keegan
- 4:15 CASTRATION OF PIGLETS, ANTINOCICEPTIVE EFFECT OF INTRATESTICULAR OR INTRAFUNICULAR INJECTION OF LIDOCAINE: PRELIMINARY RESULTS. HA Haga
- 4:30 BEHAVIORAL STUDY OF POSTOPERATIVE PAIN TREATMENT AFTER ABDOMINAL SURGERY IN PIGS. LM Malavasi
- 4:45 BEHAVIOR-BASED ASSESSMENT OF POST-OPERATIVE ABDOMINAL PAIN AND ANALGESIC EFFECTS OF CARPROFEN AND BUPRENORPHINE IN RATS. JV Roughan

Thursday 18th September

Room A

Moderator:

- 1:00 THE EFFECT OF BODY TEMPERATURE ON PERI-ANESTHETIC SERUM CONCENTRATIONS OF TRANSDERMALLY ADMINISTERED FENTANYL IN ISOFLURANE-ANESTHETIZED CATS. GR Pettifer
- 1:15 RELATIONSHIP OF FELINE BISPECTRAL INDEX TO MULTIPLES OF SEVOFLURANE MINIMUM ALVEOLAR CONCENTRATION. LA Lamont
- 1:30 **COMPARISON OF PERIOPERATIVE ANALGESIC PROTOCOLS FOR DOGS UNDERGOING TIBIAL PLATEAU LEVELING OSTEOTOMY.** MG Hoelzler
- 1:45 CARPROFEN FOR PAIN MANAGEMENT IN DOGS AFTER TIVA WITH REMIFENTANIL AND PROPOFOL. S Tacke
- 2:00 **LITHIUM DILUTION CARDIAC OUTPUT MEASUREMENT IN DOGS UNDERGOING OVARIOHYSTERECTOMY.** Miyake Y

- 2:15 **CARDIOPULMONARY EFFECTS OF FENTANYL ADMINISTRATION TO CONSCIOUS DOGS AND DOGS SEDATED WITH A CONTINUOUS RATE INFUSION OF MEDETOMIDINE.** KA Grimm
- 2:30 **TISSUE BLOOD FLOW BEFORE AND AFTER FENTANYL ADMINISTRATION TO CONSCIOUS DOGS AND DOGS SEDATED WITH A CONTINUOUS RATE INFUSION OF MEDETOMIDINE.** KA Grimm
- 2:45 **COMPARATIVE STUDY BETWEEN MEDETOMIDINE-MIDAZOLAM-KETAMINE AND MEDETOMIDINE-ZOLAZEPAM-TILETAMINE FOR NEUTERING FERAL CATS.** Y Hoybergs

BREAK Moderator:

- 3:30 **TARGET CONTROLLED INFUSION OF PROPOFOL IN DOGS - OPTIMISATION OF INDUCTION TARGET.** G Musk
- 3:45 **COMPARISON OF NON-INVASIVE CARDIAC OUTPUT MEASUREMENT BY PARTIAL CARBON DIOXIDE REBREATHING WITH THE LITHIUM DILUTION TECHNIQUE IN ANESTHETIZED DOGS.** C Gunkel
- 4:00 **ISOFLURANE SPARING ACTION OF EPIDURAL XYLAZINE IN THE DOG.** JHN Soares
- 4:15 **MODIFICATION OF THE CARDIOPULMONARY RESPONSE TO MEDETOMIDINE IN ISOFLURANE ANESTHETIZED DOGS FOLLOWING TREATMENT WITH GLYCOPYRROLATE.** AN Moraes
- 4:30 **EFFECTS OF OXYGEN SUPPLEMENTATION VIA A NASAL OXYGEN PRONG DURING CONTINUOUS PROPOFOL ANESTHESIA IN HEALTHY DOGS.** J Frendin

Room B Thursday 18th Moderator:

- 1:00 **PHARMACOKINETICS OF CARPROFEN IN DONKEYS: COMPARISON TO HORSES.** NS Matthews
- 1:15 **DOES THE POSITIONING OF HORSES INFLUENCE THE END-EXPIRED TO ARTERIAL TO MIXED VENOUS ISOFLURANE PARTIAL PRESSURE DIFFERENCES?** A Bergadano

- 1:30 A RETROSPECTIVE COMPARISON OF GENERAL ANESTHESIA FOR GERIATRIC AND YOUNG HORSES. LL Donaldson
- 1:45 IN VITRO VALIDATION OF SPIROMETRY WITH PITOT- TUBE BASED SENSOR TECHNOLOGY ADAPTED FOR LARGE ANIMAL ANESTHESIA. Y Moens
- 2:00 COMPARISON OF CARDIOVASCULAR STABILITY IN HORSES ANESTHETIZED WITH SEVOFLURANE AND ISOFLURANE DURING EXPLORATORY LAPAROTOMY FOR ACUTE ABDOMEN. DA Grosenbaugh
- 2:15 SPIROMETRIC MONITORING OF THE VENTILATORY STATUS OF HORSES UNDERGOING LAPAROSCOPIC SURGERY UNDER ISOFLURANE ANESTHESIA. P van Dijk
- 2:30 MUSCLE GLYCOGEN STAINING PATTERN BEFORE AND AFTER ABDOMINAL SURGERY IN HORSES. A Edner
- 2:45 PHYSIOLOGICAL RESPONSE FOLLOWING CESSATION OF 2.5 HOURS OF INHALED NITRIC OXIDE IN ANESTHETIZED HORSES. TL Grubb

BREAK

Moderator:

- 3:30 **THE INFLUENCE OF KETAMINE ON LIPOPOLYSACCHARIDE-INDUCED CYTOKINE RELEASE IN ECAS-CELLS. DPK Lankveld**
- 3:45 PULSED DELIVERY OF INHALED NITRIC OXIDE COUNTERACTS HYPOXEMIA DURING 2.5 HOURS OF INHALATION ANESTHESIA IN HORSES. G Nyman
- 4:00 **A COMPARISON OF ISOFLURANE AND HALOTHANE FOR EQUINE ANESTHESIA AND ARTHROSCOPIC SURGERY. S Durongphongtorn**
- 4:15 **INCIDENCE OF POST ANESTHETIC LAMENESS IN HORSES UNDERGOING MAGNETIC RESONANCE IMAGING. P Franci**
- 4:30 **AN INVESTIGATION INTO THE RELATIONSHIP BETWEEN HEART RATE AND CARDIAC FUNCTION IN VAGOTOMIZED, ISOFLURANE ANESTHETIZED HORSES. FJ Teixeira Neto**

Room C

Thursday 18th

Moderator:

- 1:00 ASSESSMENT OF KETAMINE AND MEDETOMIDINE ANESTHESIA IN THE DOMESTIC RABBIT. PA Flecknell
- 1:15 BEHAVIORAL ASSESSMENT OF POST-OPERATIVE PAIN AND ANALGESIC EFFECTS OF CARPROFEN IN THE DOMESTIC RABBIT. JV Roughan
- 1:30 **PROPOFOL AND PROPOFOL/ REMIFENTANIL INTRAPERITONEAL ANESTHESIA IN RATS: A PRELIMINARY REPORT.** LM Antunes
- 1:45 DEVELOPMENT OF A NOVEL DELIVERY DEVICE FOR INHALATION ANESTHETIC INDUCTION OF CAGED ANIMALS. DS Hodgson
- 2:00 CONTROLLED VENTILATION WITH POSITIVE END-EXPIRATORY PRESSURE IN ISOFLURANE OR HALOTHANE ANESTHETIZED PIGS SUBMITTED TO CARBON DIOXIDE PNEUMOTHORAX. AF Cunha
- 2:15 CONTROLLED VENTILATION WITH POSITIVE END-EXPIRATORY PRESSURE IN ISOFLURANE OR HALOTANE ANESTHETIZED PIGS SUBMITTED TO CARBON DIOXIDE PNEUMOPERITONEUM. AF Cunha
- 2:30 NASOTRACHEAL INTUBATION IN SOUTH AMERICAN CAMELIDS. TW Riebold
- 2:45 **THE IN VITRO INHIBITORY EFFECT OF MEDETOMIDINE AND ITS ENANTIOMERS ON CANINE AND RAT LIVER MICROSOMAL PROPOFOL METABOLISM.** T Beths

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Moderator:

- 3:30 ANALGESIC EFFICACY OF LIDOCAINE HYDROCHLORIDE OR ANTLER PEDICLE COMPRESSION IN HALOTHANE ANESTHETIZED RED DEER (CERVUS ELAPHUS). NA Caulkett
- 3:45 ANESTHESIA OF FREE-RANGING SCANDINAVIAN WOLVERINES (GULO GULO). B Ranheim
- 4:00 EFFECT OF AGE ON ISOFLURANE EFFECTIVE DOSE, LETHAL DOSE AND THERAPEUTIC INDEX IN C57BL/6 MICE. KR Mama
- 4:15 HEMODYNAMIC EFFECTS OF ATROPINE-DIAZEPAM-THIOPENTONE ANESTHESIA IN BUFFALO CALVES (*Bubalus bubalis*). A Kumar

4:30 EVALUATION OF ACEPROMAZINE, DETOMIDINE AND DIAZEPAM AS SEDATIVES IN BUFFALO CALVES (*Bubalus bubalis*). A Kumar

Friday 19th September

Room A

Moderator:

1:00 COMPARISON OF CHAMBER ANESTHETIC INDUCTIONS OF CATS USING ISOFLURANE IN OXYGEN OR LIQUID ISOFLURANE.

RM McMurphy

1:15 EFFECTS OF DOXAPRAM HCL ON LARYNGEAL FUNCTION OF NORMAL DOGS AND DOGS WITH NATURALLY OCCURRING LARYNGEAL PARALYSIS. KM Tobias

1:30 THE EFFECT OF VOLATILE AGENT ON THE RELATIVE SENSITIVITY OF FACIAL AND DISTAL FORELIMB MUSCLES TO VECURONIUM IN DOGS. RE Clutton

1:45 CIS-ATRACURIUM IN DOGS WITH PORTOSYSTEMIC SHUNT.

WA Adams

2:00 CLINICAL STUDIES ON THE NEUROMUSCULAR EFFECTS OF ATRACURIUM IN DOGS. R Yucel

2:15 EFFECT OF LIDOCAINE ON THE MINIMUM ALVEOLAR CONCENTRATION OF ISOFLURANE IN DOGS. C Gunkel

2:30 SEVOFLURANE AND INTRAVENOUS ALFENTANIL INFUSION FOR ANESTHESIA IN CATS WITH RAISED INTRACRANIAL PRESSURE.

EA Leece

2:45 OWNER OPINIONS ON POSTOPERATIVE PAIN-RELATED CHARACTERISTICS IN PET ANIMALS. M Vaisanen

BREAK

Moderator:

3:30 REDUCED DOSAGE OF KETOPROFEN ALONE OR WITH TRAMADOL FOR LONG-TERM TREATMENT OF OSTEOARTHRITIS IN DOGS.

E Troncy

- 3:45 USE OF MEDETOMIDINE, MORPHINE AND KETAMINE FOR OVARIECTOMY IN CATS. E Troncy
- 4:00 EVALUATION OF INCISIONAL BLOCK WITH BUPIVACAINE FOR ANALGESIA FOLLOWING MIDLINE LAPAROTOMY IN DOGS: A RANDOMIZED DOUBLE-BLIND CONTROLLED STUDY.
D Raptopoulos
- 4:15 DISPOSITION OF INTRAVENOUS FENTANYL AND A TRANSDERMAL PLURONIC LECITHIN ORGANOGEL FORMULATION OF FENTANYL IN CATS. SA Robertson
- 4:30 POSTOPERATIVE PAIN MANAGEMENT IN DOGS WITH A CONTINUOUS INFUSION OF METAMIZOL. S Tacke
- 4:45 ALFAXALONE IN DOGS: A SAFETY STUDY. MRB Pearson

Friday 19th September

Room B

Moderator:

- 1:00 ACUPUNCTURE TREATMENT AND THE PLACEBO EFFECT IN HORSES WITH RECURRENT AIRWAY OBSTRUCTION (HEAVES). DV Wilson
- 1:15 COMPARISON OF EPIDURAL AND GENERAL ANESTHESIA IN FOALS UNDERGOING LAPAROSCOPY. CL Kerr
- 1:30 INTRAPULMONARY SHUNT INCREASES DURING INHALATION OF HIGH OXYGEN FRACTION IN THE ANESTHETIZED HORSE. S Marntell
- 1:45 EFFECTS OF ACEPROMAZINE ON PULMONARY GAS EXCHANGE AND CIRCULATION DURING SEDATION AND DISSOCIATIVE ANESTHESIA IN THE HORSE. S Marntell
- 2:00 EQUINE RECOVERY CHARACTERISTICS AFTER ISOFLURANE OR ISOFLURANE AND XYLAZINE AND KETAMINE. KR Mama
- 2:15 USE OF XYLAZINE AND KETAMINE OR PROPOFOL TO MODULATE RECOVERY IN HORSES FOLLOWING SEVOFLURANE. KR Mama
- 2:30 USE OF PROPOFOL TO MODIFY EQUINE RECOVERY CHARACTERISTICS AFTER 4 HOURS OF ISOFLURANE OR DESFLURANE ANESTHESIA. EP Steffey

2:45 USE OF PROPOFOL, DESFLURANE AND THE ANDERSON SLING TO FACILITATE IMPROVED EQUINE RECOVERY CHARACTERISTICS AFTER INHALATION ANESTHESIA. EP Steffey

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Moderator:

3:30 **ISOFLURANE ANESTHESIA IN HORSES: CLOSED CIRCUIT USING VOC.** PE Otero

3:45 INVESTIGATION OF ROMIFIDINE-MORPHINE COMBINATION FOR SEDATION OF FOALS. C Desbois

4:00 HEMODYNAMIC CONSEQUENCE OF AN ALVEOLAR RECRUITMENT MANOUVER IN PONIES DURING TIVA ANESTHESIA. N Jaeggin

4:15 EPIDURAL ADMINISTRATION OF MORPHINE COMBINED WITH ROMIFIDINE IN HORSES. CC Natalini

4:30 COMPARISON OF MIDAZOLAM-KETAMINE AND TILETAMINE-ZOLAZEPAM- KETAMINE-DETOMIDINE IN YEARLING HORSES. FLG Pereira

4:45 INFLUENCE OF A MEDETOMIDINE CONSTANT RATE INFUSION ON RESPIRATORY VARIABLES DURING ISOFLURANE ANESTHESIA IN HORSES. SBR Kästner

Friday 19th September

Room C

Moderator:

1:00 **CARDIOPULMONARY EFFECTS OF CONTROLLED VERSUS SPONTANEOUS VENTILATION IN PIGEONS ANESTHETIZED FOR COELIOSCOPY.** G Touzot-Jourde

1:15 BODY TEMPERATURE, HEMODYNAMIC AND METABOLIC MONITORING OF THE FETUS DURING MATERNAL CARDIOPULMONARY BYPASS AND DEEP HYPOTHERMIA IN THE SHEEP MODEL. D Fonda

- 1:30 COMPARISON OF THE DEGREE OF SEDATION, ANESTHETIC DEPTH AND EFFECTS OF FIVE ANESTHETIC PROTOCOLS IN DOGS.
V Galindo
- 1:45 DETERMINATION OF THE EFFECTS OF CEFAZOLIN ADMINISTRATION ON BLOOD PRESSURE IN ANESTHETIZED SHEEP. TG Raske
- 2:00 DETERMINATION OF THE EFFECTS OF FLUID RATE ON HEMATOLOGIC VARIABLES IN ANESTHETIZED SHEEP. TG Raske
- 2:15 **PRACTICAL USE OF AN "ANESTHETIC" TABLE FOR LAPAROSCOPY IN KOI CARPS.** T Bouts
- 2:30 ANESTHETIC MAINTENANCE USING SEVOFLURANE IN PIGS UNDERGOING A HEPATIC SURGICAL MODEL: A RETROSPECTIVE STUDY. JI Cruz
- 2:45 EFFECTS OF MEDETOMIDINE IN GOATS. FK Mohammad

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Moderator:

- 3:30 POCKET VMACS: WIRELESS ACCESS TO THE HOSPITAL INFORMATION SYSTEM. JE Ilkiw
- 3:45 VETPDA-RX: A VETERINARY DRUG DATABASE FOR HANDHELD COMPUTERS. JE Ilkiw
- 4:00 **SEVOFLURANE DELIVERY FROM THE IN-CIRCLE VAPORIZER OF THE KOMESAROFF CIRCUIT.** A Almubarak
- 4:15 EVALUATION OF DIAZEPAM, TRIFLUPROMAZINE OR MEDETOMIDINE AS SEDATIVES FOR NEONATAL CALVES. A Kumar
- 4:30 EVALUATION OF XYLAZINE, DETOMIDINE OR MEDETOMIDINE WITH KETAMINE FOR SURGICAL ANESTHESIA IN NEONATAL CALVES.
A Kumar
- 4:45 COMPARISON OF XYLAZINE, DETOMIDINE AND A BALANCED ANESTHETIC REGIMEN IN CAMELS UNDERGOING LAPAROTOMY.
ED Sheta
- 5:00 CLINICAL EVALUATION OF ATROPINE-XYLAZINE-KETAMINE AS BALANCED ANESTHESIA IN DOGS UNDERGOING ELECTIVE SURGERY. MS Kanwar

