2013 ACVAA ABSTRACTS - SESSION A

**CANINE CARDIOPULMONARY**

8:00am *Grasso
The hemodynamic impact of acepromazine or dexmedetomidine premedication on isoflurane anesthetized dogs

8:15am *Zimmerman
Effects of insufflation rate, respiratory rate, and tidal volume on inspired oxygen concentration during nasal oxygen insufflation of cadaveric canine heads attached to a lung model.

8:30am *Pavlisko
Evaluation of tissue hemoglobin saturation (StO2) in dogs during isoflurane-induced hypotension and subsequent treatment with norepinephrine, dobutamine, vasopressin, and hetastarch

8:45am *Pavlisko
Evaluation of tissue hemoglobin saturation (StO2) via near-infrared spectroscopy during hypoxemia and hyperoxemia in beagles

**FELINE ANALGESIA**

9:30am Mama
Usefulness of a multidimensional composite pain scale that had previously undergone focused validation following fentanyl or hydromorphone-meloxicam in clinical feline patients undergoing ovariohysterectomy

9:45am Bauquier
Evaluation of the perioperative analgesic efficacy of intramuscular preoperative injection of buprenorphine, compared with butorphanol, in cats

10:00am Bauquier
Evaluation of the analgesic efficacy of buprenorphine given preoperatively and postoperatively, compared with similar administration of butorphanol, in cats.

10:15am Shilo
A comparison of retrobulbar and peribulbar regional anesthesia with bupivacaine in cats

**SMALL ANIMAL**

11:00am *Griffenhagen
A comparison of lidocaine, ketamine, and midazolam for co-induction of anesthesia with propofol in dogs

11:15am *Singsank-Coats
The effect of propofol on sevoflurane minimum alveolar concentration preventing motor movement (MACNM) in dogs

11:30am *Boveri
Preliminary findings on the use of a novel transdermal fentanyl solution for early postoperative analgesia in dogs

11:45am *Graff
Comparison of the accuracy of two ultrasound-guided approaches for the cranial aspect of the lumbar plexus block on cadavers

**SMALL ANIMAL**

1:30pm *Keating
Pharmacokinetics of a constant rate infusion of fentanyl in dogs during isoflurane anesthesia and following sedative administration during anesthetic recovery

1:45pm *Kleine
Multivariate analysis of anesthetic factors associated with time to extubation in dogs.

2:00pm *Griffenhagen
Pharmacokinetics of a single induction dose of propofol with or without 2% benzyl alcohol administered intravenously in cats

2:15pm *Griffenhagen
Pharmacodynamics of intravenous administration of a single induction dose of propofol with or without 2% benzyl alcohol in cats

**FELINE ANALGESIA**

2:45pm Pypendop
Pharmacokinetics of dexmedetomidine following intravenous administration in cats

3:00pm Pypendop
Relationship between plasma dexmedetomidine concentration and thermal threshold in cats

3:15pm Pypendop
Relationship between plasma dexmedetomidine concentration and sedation in cats

3:30pm Pypendop
Bioavailability of oxymorphone, hydromorphone, morphine, and methadone following buccal administration in cats
2013 ACVAA ABSTRACTS - SESSION B

**EQUINE PHARMACOLOGY**
8:00am  Messenger  Pharmacokinetics of intravenous tiletamine and zolazepam in xylazine-sedated horses
8:15am  Guedes  Pharmacokinetics and physiologic effects of repeated oral administrations of tramadol in horses
8:30am  Rezende  Pharmacokinetics of intravenous dexmedetomidine in horses
8:45am  Rezende  Clinical effects of a single intravenous dose of 5mcg/kg dexmedetomidine in healthy horses

**EQUINE**
9:30am  Ullmer  The effects of xylazine on normal and interleukin-1 conditioned equine articular cartilage explants
9:45am  *Kleine  Risk of hypoxemia based on surgical lesion and the effects of hypoxemia on recovery time in horses undergoing exploratory laparotomy for colic over a ten-year period
10:00am  *Karrasch  Comparison of cardiorespiratory variables in parenterally-anesthetized dorsally-recumbent horses spontaneously breathing 50% or maximal oxygen concentrations
10:15am  Mama  Influence of spontaneous versus intermittent positive pressure ventilation and changes in lateral recumbency on the alveolar-arterial (A-a) oxygen tension in adult isoflurane anesthetized horses

**SMALL ANIMAL**
11:00am  Staffieri  Effects of non-invasive continuous positive airway pressure (CPAP) delivered in cats during general anesthesia.
11:15am  Paranjape  Influence of opioids on analgesic and anesthetic effects of tiletamine/zolazepam-dexmedetomidine combination in dogs
11:30am  Kraus  Effect of dosing interval on efficacy of maropitant in preventing opioid induced vomiting
11:45am  Read  Epidural mepivacaine does not contribute to the development of hypothermia in anesthetized dogs.

**LARGE ANIMAL**
1:30pm  Pascoe  Locomotor effects of fentanyl in horses carrying the G57C opioid receptor polymorphism
1:45pm  Valverde  Morphine concentrations in distal forelimb synovial fluid following intravenous regional perfusion in horses
2:00pm  Caulkett  Bispectral index targeted Alfaxalone infusion for maintenance of anesthesia during hemorrhage and resuscitation of swine.
2:15pm  Ozeki  Evaluation of the effectiveness of active cooling or alpha-2 antagonism to decrease core temperature in anesthetized brown bears (Ursus arctos)

**MISC**
2:45pm  *Grasso  Hemodynamic effects of microdose dexmedetomidine in dogs with isoflurane-induced hypotension
3:00pm  Henao-Guerrero  Comparison of dobutamine, norepinephrine, vasopressin and hetastarch for treatment of isoflurane-induced hypotension in normovolemic dogs
3:15pm  Read  Comparison of temperature measurements recorded from nasal, intestinal, and rectal probes in anesthetized horses.
3:30pm  Seddighi  Effects of morphine and xylazine on tiletamine-zolazepam anesthesia in llamas