

TABLE OF CONTENTS

american journal of veterinary research

AJVR 81 (4) PAGES 285 – 380

JAVMA News Digest

- JAVMA News Digest 288

Book Reviews

- Book Reviews 294

Anesthesia - Analgesia

- Investigation of the effects of vatinoxan on somatic and visceral antinociceptive efficacy of medetomidine in dogs 299
Vilhelmiina Huuskonen, Flavia Restitutti, Juhana M. Honkavaara, Marja R. Raekallio, Sofia Männikkö, Mika Scheinin, and Outi M. Vainio

Bone, Joint, and Cartilage

- Evaluation of agreement and correlation of results obtained with MRI-based and macroscopic observation-based grading schemes when used to assess intervertebral disk degeneration in cats 309
Neringa Alisauskaitė, Thomas Bitterli, Patrick R. Kircher, Antonio Pozzi, Guy C. M. Grinwis, Frank Steffen, and Lucas A. Smolders

Cardiovascular System

- Evaluation of dose-response effects of short-term oral prednisone administration on clinicopathologic and hemodynamic variables in healthy dogs 317
Rebecca L. Tinklenberg, Shane D. Murphy, Jonathan P. Mochel, Yeon-Jung Seo, Alyssa L. Mahaffey, Yuqi Yan, and Jessica L. Ward

Diagnostic Imaging

- Investigation of optimal sample preparation conditions with potassium triiodide and optimal imaging settings for microfocus computed tomography of excised cat hearts 326
Ian C. Simcock, J. Ciaran Hutchinson, Susan C. Shelmerdine, Jose Novos Matos, Neil J. Sebire, Virginia Luis Fuentes, and Owen J. Arthurs

Epidemiology - Statistic Modeling

- Novel use of an activity monitor to model jumping behaviors in cats 334
Kate P. Sharon, Caryn M. Thompson, B. Duncan X. Lascelles, and Rudolph S. Parrish

Immunology

- Use of a biopolymer delivery system to investigate the influence of interleukin-4 on recruitment of neutrophils in equids 344
Mireille Godbout, Amandine Vargas, Pierre Hélie, Michela Bullone, and Jean-Pierre Lavoie

Neurology

- Expression of microRNAs in plasma and in extracellular vesicles derived from plasma
for dogs with glioma and dogs with other brain diseases 355
*Momoko Narita, Hidetaka Nishida, Ryota Asahina, Kohei Nakata, Hirohito Yano, Peter J. Dickinson,
Toshiyuki Tanaka, Hideo Akiyoshi, Sadatoshi Maeda, and Hiroaki Kamishina*

Pharmacology

- Pharmacokinetics of hydromorphone hydrochloride after intravenous and intramuscular administration
in guinea pigs (*Cavia porcellus*) 361
Barbara Ambros, Heather K. Knych, and Miranda J. Sadar

Surgery

- Effects of intervertebral distraction screw fixation of the lumbosacral joint
on the adjacent lumbar segments in Beagles 367
*Hirofumi Tanoue, Rika Uchiyama, Hideyuki Fukuda, Tom Ichinohe, Nobuo Kanno, Shuji Suzuki,
Yasuji Harada, and Yasushi Hara*

Urology

- Glomerular filtration rate determined by measuring serum clearance of a single dose of inulin
and serum symmetric dimethylarginine concentration in clinically normal cheetahs (*Acinonyx jubatus*) 375
*Carlos R. Sanchez, Lee-Ann C. Hayek, Ellen P. Carlin, Scott A. Brown, Scott Citino, Laurie Marker,
Krista L. Jones, and Suzan Murray*