

Veterinary Research News

Veterinary Research News	699
--------------------------------	-----

Anesthesia - Analgesia

Evaluation of thermal antinociceptive effects after intramuscular administration of buprenorphine hydrochloride to American kestrels (<i>Falco sparverius</i>)	705
<i>Susanne M. Ceulemans, David Sanchez-Migallon Guzman, Glenn H. Olsen, Hugues Beaufrère, and Joanne R. Paul-Murphy</i>	
Pharmacokinetics of buprenorphine hydrochloride following intramuscular and intravenous administration to American kestrels (<i>Falco sparverius</i>)	711
<i>Kate A. Gustavsen, David Sanchez-Migallon Guzman, Heather K. Knych, Olivia A. Petritz, Glenn H. Olsen, and Joanne R. Paul-Murphy</i>	
Pharmacokinetics and pharmacodynamics of a constant rate infusion of fentanyl (5 µg/kg/h) in awake cats	716
<i>Barbara Ambros, Jane Alcorn, Tanya Duke-Novakowski, Alexander Livingston, and Patricia M. Dowling</i>	

Bone, Joint, and Cartilage

Concentrations of stromal cell-derived factor-1 in serum, plasma, and synovial fluid of horses with osteochondral injury	722
<i>David C. Dymock, Murray P. Brown, Kelly A. Merritt, and Troy N. Trumble</i>	

Cardiovascular System

Evaluation of tranexamic acid and ε-aminocaproic acid concentrations required to inhibit fibrinolysis in plasma of dogs and humans	731
<i>Daniel J. Fletcher, Kelly J. Blackstock, Kira Epstein, and Benjamin M. Brainard</i>	

Diagnostic Imaging

Comparison of air sac volume, lung volume, and lung densities determined by use of computed tomography in conscious and anesthetized Humboldt penguins (<i>Spheniscus humboldti</i>) positioned in ventral, dorsal, and right lateral recumbency	739
<i>Benjamin N. Nevitt, Jennifer N. Langan, Michael J. Adkesson, Mark A. Mitchell, Margaret Henzler, and Randi Drees</i>	

Digestive System - Nutrition

Expression of apical junction complex proteins in duodenal mucosa of dogs with inflammatory bowel disease	746
<i>Hiroshi Ohta, Yuji Sunden, Nozomu Yokoyama, Tatsuyuki Osuga, Sue Yee Lim, Yu Tamura, Keitaro Morishita, Kensuke Nakamura, Masahiro Yamasaki, and Mitsuyoshi Takiguchi</i>	



Immunology

- Modulation of growth and immunity by dietary supplementation with resveratrol in young chickens receiving conventional vaccinations752
CaiYun Zhang, YaDong Tian, FengBin Yan, XiangTao Kang, RuiLi Han, GuiRong Sun, and HuiRu Zhang

Physiology

- Effects of clopidogrel on horses with experimentally induced endotoxemia760
Ashlee E. Watts, Sally L. Ness, Thomas J. Divers, Susan L. Fubini, Amelia H. Frye, Tracy Stokol, Kevin J. Cummings, and Marjory B. Brooks

Vaccinology

- Efficacy of a multivalent modified-live virus vaccine containing a *Mannheimia haemolytica* toxoid in calves challenge exposed with *Bibersteinia trehalosi*770
Terry L. Bowersock, Brian E. Sobecki, Sarah J. Terrill, Nathalie C. Martinon, Todd R. Meinert, and Randy D. Leyh