

JAVMA News Digest

- JAVMA News Digest 916

Antimicrobials

- Concentrations of tilmicosin in mammary gland secretions of dairy cows following subcutaneous administration of one or two doses of an experimental preparation of tilmicosin and its efficacy against intramammary infections caused by *Staphylococcus aureus* 922
Jesus Mendoza, Ismael Martínez-Cortés, Reyes López-Ordaz, Lilia Gutiérrez, and Hector Sumano

- Pharmacokinetics of voriconazole after intravenous and oral administration to healthy cats 931
Polina Vishkautsan, Mark G. Papich, George R. Thompson III, and Jane E. Sykes

Bone, Joint, and Cartilage

- Effects of administration of adipose-derived stromal vascular fraction and platelet-rich plasma to dogs with osteoarthritis of the hip joints 940
David A. Upchurch, Walter C. Renberg, James K. Roush, George A. Milliken, and Mark L. Weiss

Cardiovascular System

- Effects of experimental cardiac volume loading on left atrial phasic function in healthy dogs 952
Tatsuyuki Osuga, Kensuke Nakamura, Tomoya Morita, Khoirun Nisa, Nozomu Yokoyama, Noboru Sasaki, Keitaro Morishita, Hiroshi Ohta, and Mitsuyoshi Takiguchi

Immunology

- Comparison of gene expression profiles of T cells in porcine colostrum and peripheral blood 961
Shohei Ogawa, Mie Okutani, Takamitsu Tsukahara, Nobuo Nakanishi, Yoshihiro Kato, Kikuto Fukuta, Gustavo A. Romero-Pérez, Kazunari Ushida, and Ryo Inoue

- Characterization of platelet-activating factor-induced cutaneous edema and erythema in dogs 969
Miwa Watanabe, Hironari Osada, Sunao Shimizu, Shun Goto, Makoto Nagai, Junsuke Shirai, Kazuaki Sasaki, Minoru Shimoda, Hiroshi Itoh, and Keitaro Ohmori

Musculoskeletal System

- Radiographic and computed tomographic evaluation and gait analysis of Brazilian minipigs with syndactyly 976
Pedro L. T. Justolin, Sheila C. Rahal, Felipe S. Agostinho, Maria J. Mamprim, Carlos R. Teixeira, Danuta P. Doiche, and Vivian R. Babicsak

Effects of racetrack surface and nail placement on movement between heels of the hoof and horseshoes of racehorses	983
Vanessa E. Dahl, Peta L. Hitchens, and Susan M. Stover	

Ex vivo penetration of low-level laser light through equine skin and flexor tendons.....	991
Katja F. Duesterdieck-Zellmer, Maureen K. Larson, Thomas K. Plant, Andrea Sundholm-Teppler, and Mark E. Payton	

Goniometric evaluation of standing extension and maximum flexion joint angles of llamas and alpacas	1000
Amy L. Walters, Stacy A. Semevolos, and Rose E. Baker	

Oncology

Phase I-II clinical trial of hyaluronan-cisplatin nanoconjugate in dogs with naturally occurring malignant tumors	1005
Shuang Cai, Ti Zhang, W.C. Forrest, QiuHong Yang, Chad Groer, Eva Mohr, Daniel J. Aires, Sandra M. Axiak-Bechtel, Brian K. Flesner, Carolyn J. Henry, Kimberly A. Selting, Deborah Tate, Jeffrey A. Swartz, Jeffrey N. Bryan, and M. Laird Forrest	

Ophthalmology

Efficacy of <i>Bdellovibrio bacteriovorus</i> 109J for the treatment of dairy calves with experimentally induced infectious bovine keratoconjunctivitis	1017
Mélanie J. Boileau, Rino Mani, Melanie A. Breshears, Margi Gilmour, Jared D. Taylor, and Kenneth D. Clinkenbeard	

Pharmacology

Dextromethorphan and debrisoquine metabolism and polymorphism of the gene for cytochrome P450 isozyme 2D50 in Thoroughbreds	1029
Carley R. Corado, Daniel S. McKemie, and Heather K. Knych	

Surgery

Evaluation of the effects of anatomic location, histologic processing, and sample size on shrinkage of skin samples obtained from canine cadavers	1036
Jennifer K. Reagan, Laura E. Selmic, Laura D. Garrett, and Kuldeep Singh	