

JAVMA News Digest

JAVMA News Digest	560
-------------------------	-----

Anatomy - Gross and Microscopic

Age-related changes in the morphology and protein expression of the thymus of healthy yaks (<i>Bos grunniens</i>)	567
<i>Qian Zhang, Kun Yang, Pan Yangyang, Junfeng He, Sijiu Yu, and Yan Cui</i>	

Anesthesia - Analgesia

Effects of magnesium sulfate and propofol on the minimum alveolar concentration preventing motor movement in sevoflurane-anesthetized dogs	575
<i>Alanna N. Johnson, Reza Seddighi, Barton W. Rohrbach, Sherry K. Cox, Christine M. Egger, Manuel Martin-Flores, and Thomas J. Doherty</i>	

Antimicrobials

Effects of regional limb perfusion volume on concentrations of amikacin sulfate in synovial and interstitial fluid samples from anesthetized horses	582
<i>Jennifer L. Godfrey, Joanne Hardy, and Noah D. Cohen</i>	

Behavior

Use of three-dimensional accelerometers to evaluate behavioral changes in cattle experimentally infected with bovine viral diarrhea virus	589
<i>Jenna E. Bayne, Paul H. Walz, Thomas Passler, Brad J. White, Miles E. Theurer, and Edzard van Santen</i>	

Diagnostic Imaging

Ultrasonographic appearance of the major duodenal papilla in dogs without evidence of hepatobiliary, pancreatic, or gastrointestinal tract disease.	597
<i>Jeremy R. Mortier, Thomas W. Maddox, Gillian M. White, Richard J. Blundell, Joseph M. Monné, and Susannah M. Lillis</i>	

Immunology

Effect of disrupted mitochondria as a source of damage-associated molecular patterns on the production of tumor necrosis factor α by splenocytes from dogs	604
<i>Steven G. Friedenberg, Heather R. Strange, Julien Guillaumin, Zachary C. VanGundy, Elliott D. Crouser, and Tracey L. Papenfuss</i>	

Microbiology

24-hour evaluation of dental plaque bacteria and halitosis after consumption of a single placebo or dental treat by dogs	613
<i>Isabelle C. Jeusette, Aurora Mateo Román, Celina Torre, Josep Crusafont, Nuria Sánchez, Maria C. Sánchez, Leire Pérez-Salcedo, and David Herrera</i>	

Oncology

- Changes in the dimension and volume of feline injection-site sarcomas following formalin fixation as determined by use of the ellipsoid volume formula and three-dimensional computed tomography software 620
Jesse L. Terry, Milan Milovancev, Christiane V. Löhr, and Sarah Nemanic

Ophthalmology

- Comparison of the in vitro anticollagenase efficacy of homologous serum and plasma on degradation of corneas of cats, dogs, and horses 627
Emily D. Conway, Jean Stiles, Wendy M. Townsend, and Hsin-Yi Weng

Pharmacology

- Pharmacokinetics and tissue elimination of flunixin in veal calves 634
Lindsey W. Kissell, Patrick D. Brinson, Ronette Gehring, Lisa A. Tell, Scott E. Wetzlich, Ronald E. Baynes, Jim E. Riviere, and Geof W. Smith

- Pharmacokinetics of bupivacaine after intraperitoneal administration to cats undergoing ovariohysterectomy 641
Javier Benito, Beatriz P. Monteiro, Francis Beaudry, Anne-Marie Lavoie, B. Duncan X. Lascelles, and Paulo V. Steagall

- Comparative pharmacokinetics of ceftiofur hydrochloride and ceftiofur sodium after administration to water buffalo (*Bubalus bubalis*) 646
Haiying Nie, Xin Feng, Jianbo Peng, Liu Liang, Chunyan Lu, Roshan V. Tiwari, Shusheng Tang, and Jiakang He

Surgery

- Assessment of the attenuation of an intra-abdominal vein by use of a silicone-polyacrylic acid gradual venous occlusion device in dogs and cats. 653
Mandy L. Wallace, Gary W. Ellison, Robson F. Giglio, Christopher D. Batich, Clifford R. Berry, J. Brad Case, and Stanley E. Kim

- Effects of successive tracheal resection and anastomosis on tracheal diameter and position of lobar bronchi in dogs 658
Carlos Henrique de Mello Souza and Carol R. Reinero