

TABLE OF CONTENTS

american journal of veterinary research

AJVR 81 (1) PAGES 1 – 92

JAVMA News Digest

JAVMA News Digest	4
-------------------------	---

Book Reviews

Book reviews	10
--------------------	----

Anesthesia - Analgesia

Effect of 3% chlorprocaine hydrochloride when used for median and ulnar regional nerve blocks in lame horses	13
Lindsey H. Boone, Fred J. DeGraves, Chelsea E. Klein, Robert C. Cole, and John Schumacher	

Pharmacokinetics of an intravenous constant rate infusion of a morphine-lidocaine-ketamine combination in Holstein calves undergoing umbilical herniorrhaphy	17
Amanda K. Hartnack, Andrew J. Niehaus, Jeffrey Lakritz, Johann F. Coetzee, and Michael D. Kleinhenz	

Analgesic efficacy of an intravenous constant rate infusion of a morphine-lidocaine-ketamine combination in Holstein calves undergoing umbilical herniorrhaphy	25
Amanda K. Hartnack, Andrew J. Niehaus, Jeffrey Lakritz, Johann F. Coetzee, and Michael D. Kleinhenz	

Cardiovascular System

Comparison of left and right atrial volumes determined by two- and three-dimensional echocardiography with those determined by multidetector computed tomography for healthy dogs	33
Eric J. Owens, Nicole L. LeBlanc, and Katherine F. Scollan	

Ophthalmology

Effect of topical administration of 0.1% diclofenac sodium ophthalmic solution at four frequencies on intraocular pressure in healthy Beagles	41
Brittany B. Martabano, Michala de Linde Henriksen, Jenny A. Colussi, Julia L. Sharp, Zeke Wang, and Michael R. Lappin	

Development and assessment of a novel ex vivo corneal culture technique involving an agarose-based dome scaffold for use as a model of in vivo corneal wound healing in dogs and rabbits	47
William M. Berkowski Jr, Daniel J. Gibson, Serena L. Craft, Robert D. Whitley, Gregory S. Schultz, and Caryn E. Plummer	

Physiology

- Comparison of the effects of morphine-lidocaine-ketamine and fentanyl-lidocaine-ketamine combinations administered as constant rate infusions on postprocedure rectal temperature in dogs 58
Che-Wei Chuang, Kuan-Sheng Chen, Wei-Ming Lee, and Hsien-Chi Wang

- Sedative and cardiorespiratory effects of intramuscular administration of alfaxalone and butorphanol combined with acepromazine, midazolam, or dexmedetomidine in dogs 65
Melissa A. Murdock, Carolina H. Riccó Pereira, Turi K. Aarnes, Jeannette Cremer, Phillip Lerche, and Richard M. Bednarski

Surgery

- Effects of intra-abdominal pressure on laparoscopic working space in domestic rabbits (*Oryctolagus cuniculus*) 77
Claudia M. Kabakchiev, Alex R. zur Linden, Ameet Singh, and Hugues H. Beaufrère

- Investigation of the in vitro antimicrobial activity of triclosan-coated suture material on bacteria commonly isolated from wounds in dogs 84
Joanna McCagherty, Donald A. Yool, Gavin K. Paterson, Stephen R. Mitchell, Samantha Woods, Ana I. Marques, Jon L. Hall, John R. Mosley, and Tim J. Nuttall