

TABLE OF CONTENTS

american journal of veterinary research

AJVR 81 (7) PAGES 529 – 616

JAVMA News Digest

- JAVMA News Digest 532

Letters to the Editor

- Letters to the Editor 538

Book Reviews

- Book reviews 540

Anesthesia - Analgesia

- Evaluation of the thermal antinociceptive effects of subcutaneous administration of butorphanol tartrate or butorphanol tartrate in a sustained-release poloxamer 407 gel formulation to orange-winged Amazon parrots (*Amazona amazonica*) 543

Delphine Laniesse, David Sanchez-Migallon Guzman, Dale A. Smith, Jamie M. Douglas, Cornelia Mosley, Hugues Beaufrère, and Joanne Paul-Murphy

- Comparison of analgesic and tissue effects of subcutaneous perineural injection of liposomal bupivacaine and bupivacaine hydrochloride in horses with forelimb lameness induced via circumferential clamp 551

Kayla M. Le, Stephanie S. Caston, Jesse M. Hossetter, and Bonnie L. Hay Kraus

Biomechanics

- Comparison of torsional properties between a Fixateur Externe du Service de Santé des Armées and an acrylic tie-in external skeletal fixator in a red-tailed hawk (*Buteo jamaicensis*) synthetic tibiotarsal bone model 557

Rebecca A. Hersh-Boyle, Amy S. Kapatkin, Tanya C. Garcia, Duane A. Robinson, David Sanchez-Migallon Guzman, Shannon M. Kerrigan, Po-Yen Chou, and Susan M. Stover

Bone, Joint, and Cartilage

- Assessment of luteinizing hormone receptor expression in structural support tissues of canine hip and femorotibial joints 565

Claire A. Kiefel and Michelle A. Kutzler

Digestive System - Nutrition

- Activities of matrix metalloproteinase-2, matrix metalloproteinase-9, and serine proteases in samples of the colorectal mucosa of Miniature Dachshunds with inflammatory colorectal polyps 572

Noriyuki Nagata, Hiroshi Ohta, Arisa Yamada, Yong Bin Teoh, Osamu Ichii, Keitaro Morishita, Noboru Sasaki, and Mitsuyoshi Takiguchi

Pharmacology

- Comparison of analgesic efficacy and fetal effects between transdermal administration of fentanyl and intramuscular administration of buprenorphine in pregnant sheep 581
Ashley L. Padgett, Mauricio L. Lepiz, Evelyn E. Mackay, Austin J. Driskill, Ivan V. Ivanov, Virginia R. Fajt, Megan M. Konarik, Travis P. Mays, and Shannon E. Washburn

Surgery

- Biomechanical evaluation of an absorbable fixation strap for use in total laparoscopic gastropexy in dogs 594
Laura Fracassi, Alberto Maria Crovace, Francesco Staffieri, and Luca Lacitignola

Review Article

- Pathogenesis, detection, and control of scrapie in sheep 600
Eric D. Cassmann and Justin J. Greenlee

Erratum

- Erratum: Effects of intra-articular administration of lidocaine, mepivacaine, and the preservative methyl parahydroxybenzoate on synovial fluid biomarkers of horses 614