

Small Animal Internal Medicine

Recent Publications (Past 2 Years)

Journal Articles:

Elder S, Thomason J. **Effect of platelet-rich plasma on chondrogenic differentiation in three-dimensional culture.** 2014. *The Open Orthopaedics Journal*. 8:78-84.

Archer T, Mackin A. **Management of immune-mediated hemolytic anemia.** 2014. *Today's Veterinary Practice*. 4(2): pp 41-46.

Archer T, Boothe D, Langston V, Fellman C, Lunsford K, Mackin A. **Oral cyclosporine treatment in dogs: A review of the literature.** 2014. *Journal of Veterinary Internal Medicine*. 28:1-20.

Haraschak J, Langston V, Wang R, Riggs C, Fellman C, Ross M, Bulla C, Lunsford K, Mackin A, Archer T. **Pharmacokinetic evaluation of oral dantrolene in the dog.** 2014. *Journal of Veterinary Pharmacology and Therapeutics*. 37(3):286-294.

Manion JS, Thomason JM, Langston VC, Claude A.K, Brooks MB, Mackin AJ, Lunsford KV. **Anticoagulant effects of inhaled unfractionated heparin in the dog as determined by partial thromboplastin time and factor Xa activity.** 2014. Accepted for publication to *JVECC*.

Archer T. Case report: Cushing's disease. 2013. *dvm360 Magazine*. November 2013.

Riggs C, Archer T, Fellman C, Figueiredo AS, Follows J, Stokes J, Mackin A, Bulla C. **Analytical validation of a quantitative reverse transcriptase polymerase chain reaction assay for evaluation of T-cell targeted immunosuppressive therapy in the dog.** 2013. *Veterinary Immunology and Immunopathology*. 156: pp 229-234.

Archer T, Mackin A. **Diagnosis of immune-mediated hemolytic anemia.** 2013. *Today's Veterinary Practice*. 3(4):32-36.

Trichler S, Bulla SC, Mahajan N, Lunsford KV, Pendarvis K, Nanduri B, McCarthy F, Bulla C. **Identification of canine platelet proteins separated by differential detergent fractionation for non-electrophoretic proteomics analyzed by gene ontology and pathways analysis.** 2014. *Veterinary Medicine: Research and Reports*. 5, 1-9.

Trichler S, Bulla SC, Thomason J, Lunsford KV, Bulla C. **Ultra-pure platelet isolation from canine whole blood.** 2013. *BMC Veterinary Research*. 9, 144-150.

Monobe MM, Lunsford KV, Araujo JP Jr, Bulla C. **Detection of the heterozygous MDR1 nt230 (del4) mutation in a mixed-breed dog: Case report of possible doxorubicin toxicosis.** 2013. *Veterinary Medicine: Research and Reports*. 4, 35-38.

Figueiredo AS, García-Crescioni HJ, Bulla SC, Ross MK, McIntosh C, **Lunsford K**, Bulla C. **Cannabinoid suppression of VEGF expression in a canine osteosarcoma cell line.** 2013. *Veterinary Medicine: Research and Reports.* 4, 31-34.

Figueiredo AS, Bulla SC, **Lunsford KV**, Bulla C. **Expression of the thrombopoietin gene in tissues from healthy dogs.** 2013. *J Comp Pathol.* 149, 298-302.

Dudley A, **Thomason J**, Fritz S, Grady J, Stokes J, Wills R, Pinchuk L, **Mackin A**, **Lunsford K**. **The effects of low dose aspirin on cyclooxygenase expression and platelet function in normal dogs.** 2013. *J Vet Intern Med.* 27:141–149.

Wang Z, Wang C, **Lathan P**. **Breath acetone analysis of diabetic dogs using a cavity ringdown breath analyzer.** 2013. *IEEE Sensors.* Dec 2013:99.

Lathan P. **Update in feline medicine 2013.** 2013. *Advances in Small Animal Medicine and Surgery.* Oct 2013:1-2.

Lathan P. **Detemir in cats, commentary.** 2013. *Clinicians Brief.* Mar 2013:56.

Curotto S, **Lunsford KV**, Smith W, **Thomason J**, Bulla C. **Evidence of selective packaging and different α -granules subtypes in canine platelets.** 2012. *J Comp Pathol.* 147, 499-502.

Mullins KB, **Thomason JM**, **Lunsford KV**, **Mackin AJ**, Pinchuk LM, Langston VC, Wills RW, McLaughlin RM. **Effects of aspirin, meloxicam, deracoxib and carprofen on platelet function in dogs.** 2012. *Veterinary Anesthesia and Analgesia.* 39(2):206–217.

Lux C, **Archer T**, **Lunsford K**. **Gastroesophageal reflux as a causative factor of laryngeal dysfunction in a dog.** 2012. *Journal of the American Veterinary Medical Association.* 240(9),1100-1103.

Thomason J, **Lunsford K**, Stokes J, Pinchuk L, Wills R, Langston C, Pruett P, **Mackin A**. **The effects of cyclosporine on platelet function and cyclooxygenase expression in normal dogs.** 2012. *J Vet Intern Med.* 26 (56):1389-1401.

Dissanayake S, **Lathan P**, Mlsna T. **Novel extraction of volatile biomarkers from canine breath for gas chromatography mass spectrometry.** 2012. *Journal of Breath Research.* 6:041001.

Johnson K, **Mackin A**. **Canine immune-mediated polyarthritis Part I: Pathophysiology.** 2012. *J Am Anim Hosp Assoc.* 48:12-17.

Johnson K, **Mackin A**. **Canine immune-mediated polyarthritis Part II: Diagnosis and treatment.** 2012. *J Am Anim Hosp Assoc.* 48:71-82.

Lam N, Berent A, Weisse C, Bryan C, **Mackin A**, Bagley D. **Endoscopic placement of ureteral stents for treatment of congenital bilateral ureteral stenosis in a dog.** 2012. *JAVMA*. 240:983-90.

Book Chapters:

Lathan, P. Hypoadrenocorticism in Dogs. In Rand J (ed). *Clinical Endocrinology of Companion Animals*. Wiley & Sons, 2013.

Abstracts:

Blake R, Lee J, Ross M, **Archer T, Mackin A, Thomason J.** **Eicosanoid levels in stored units of canine packed red blood cells.** *J Vet Intern Med* 2014;28(3):1053.

Thomason J, Archer T, Bulla C, Mackin A. **Effects of in vitro exposure of canine platelets to pentoxifylline on platelet aggregometry.** *J Vet Intern Med* 2014;28(3):1054.

Haines J, Thomason J, Bulla C, Seage E, Wills R, Lunsford K, Mackin A. **In vitro and in vivo assessment of platelet function in healthy dogs during exposure to low-dose aspirin.** *J Vet Intern Med* 2014;28(3):1051.

Lunsford K, Bulla SC, Trichler S, McCarthy F, Nanduri B, Mahajan N, Thomason J, Pendarvis K, Bulla C. **The proteome of canine platelet: Insights on its physiologic and pathologic roles.** *J Vet Intern Med* 2013;27(3):713.

Miller J, Brinkman-Ferguson E, **Mackin A, Archer T.** Cholangiography using 64-multi-detector computed tomography in normal dogs. *Veterinary Radiology and Ultrasound*. 54(6): 683, 2013.

Mackin A, Weaver K, Martin P, Gunnoe G, Shafer L, Follows J, Stokes J, Pinchuk L, McKenna M, Birkenheuer A, Dow S. (2013). **Use of liposomal clodronate to facilitate detection of subclinical infection with Babesia canis in greyhounds.** 31st Annual Forum of the ACVIM, Seattle, Washington. Abstract published in JVIM.

Bulla S, Geesaman B, **Lunsford K, Bulla C, Thomason J.** **Canine blood platelet count and activation in different anticoagulants.** *Vet Clin Pathol* 2012;41: E55.

Bulla S, Trichler S, **Thomason J, Lunsford K, Bulla C.** **Residual leukocyte count in canine purified platelet samples.** *Vet Clin Pathol* 2012;41: E60.

Trichler S, Bulla S, **Thomason J, Bulla C, Lunsford K.** **Highly pure platelet isolation from canine whole blood.** *Vet Clin Pathol* 2012;41: E60.

Archer T, Brinkman-Ferguson E, Dedeaux A, Geesaman B, **Mackin A**. Ultrasound guided placement of urethral stents in dogs. *Journal of Veterinary Internal Medicine*. 26 (3): 799, May/June 2012.

Fellman C, **Archer T**, Stokes J, Lunsford K, **Mackin A**. Effects of oral cyclosporine on canine T-cell expression of IL-2 and IFN- γ across a 12-hour dosing interval. *Journal of Veterinary Internal Medicine*. 26 (3): 819 – 820, May/June 2012.

Thomason J, **Lunsford K**, Stokes J, Mullins K, Pinchuk L, Langston C, Wills R, McLaughlin R, **Mackin A**. (2012). **Effects of ‘COX-2 selective’ non-steroidal anti-inflammatory drugs on canine platelet function and cyclooxygenase expression**. 30th Annual Forum of the ACVIM, New Orleans, Louisiana. Abstract published in JVIM.