
CURRICULUM VITAE

Scott D. Stanley

Personal Information

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Education

Education and Training

1988-1992 University of Kentucky, Lexington, KY, PhD, Toxicology
1984-1988 University of Kentucky, Lexington, KY, BS, Animal Science

Employment

Employment History

07/08/2019-Current University of Kentucky, Equine Analytical Chem
Laboratory, Director

12/2018-Current University of Kentucky, Lexington, KY, Professor

2009-12/2018 UC Davis, SVM, Davis, CA, Professor

2002-2009 UC Davis, SVM, Davis, CA, Associate Professor

1997-2002 UC Davis, SVM, Davis, CA, Assistant Professor

1992-1997 Truesdail Laboratories, Inc., Tustin, CA, Director of
Toxicology

Grants and Contracts

Grants Active

07/08/2019 - \$11,178,750, Principal Investigator, Equine Drug Testing and Research,
06/30/2024 USEF, Percentage Effort=60%

Publications

Journals

- 1989 Prange CA, Brockus C, Wie S, Chung RA, Brecht JM, Conner JC, Dahl PA, Lewis EL, McDonald J, Kalita S, Kwiatkowski S, Goodman JP, Sturma L, Stanley SD, Yang JM, Wood T, Henry P, Weckman TJ, Woods WE, Watt DS, Tai HH, Chang SL, Blake JW, Tobin T. Immunoassay detection of drugs in racing horses. VIII Detection of cocaine in equine blood and urine by particle concentration fluorescence immunoassay. *Res Comm Subst Abuse*, 10: 1-14.
- 1989 Tai CL, Woods WE, Kwiatkowski S, Watt DS, Tai HH, Taylor DG, Weckman TJ, Tai JD, Stanley SD, Wood T, Yang JM, Blake JW, Tobin T, Prange CA, Wie S, McDonald J. Immunoassay detection of drugs in biological samples. XI Detection of fentanyl, alfentanil, sufentanil and carfentanil in human and equine blood and urine. *Res Comm Pathol Pharmacol*, 63(1): 129-152.
- 1989 Wood T, Tai CL, Taylor DG, Woods WE, Wang CJ, Houtz PK, Tai HH, Weckman TJ, Yang JM, Struma L, Change CL, Goodman JP, Stanley S, Blake JW, Watt DS, Tobin T, McDonald J, Wie S, Chung RA, Brecht JM, Conner JC, Dahl PA, Lewis EL, Prange CA. Immunoassay detection of drugs in racing horses. IX Detection of detomidine in equine blood and urine by radioimmunoassay. *Res Comm Chem Pathol Pharmacol*, 63(2): 263-279.
- 1989 Wood T, Stanley SD, Tobin T. Operant conditioning and its applications in equine pharmacology. *J Eq Vet Sci*, 9: 124-130.
- 1989 Kwiatkowski S, Goodman JP, Stanley SD, Yang JM, Wood T, Sturma L, Woods WE, Tian ZG, Bertram S, Tai HH, Weckman TJ, Chang SL, Blake JW, Watt DS, Tobin TT, McDonald J, Wie S, Chung R, Brecht JM, Conner JC, Dahl PA, Lewis EL, Prange CA. Immunoassay detection of drugs in racing horses. X Detection of phenylbutazone in equine blood and urine by particle concentration fluorescence immunoassay. *Res Comm Subs Abuse*, 10(2): 123-129.
- 1991 Wood T, Terhune T, Dunigan C, Goodman JP, Turner S, Blake J, Stanley SD, Tobin T. The dietary anthelmintic tartrate: An analysis of its detection in the horse. *J Eq Vet Sci*, 11(4): 220-224.
- 1991 Stanley SD, Wood T, Henry P, Turner S, Woods WE, Green ML, Tai HH, Watt D, Blake J, Tobin T. Morphine and etorphine: XVI Detection by ELISA in equine urine. *J Analytical Tox*, 15(6): 305-310.
- 1992 Wood T, Stanley SD, Woods WE, Henry P, Watt D, Tobin T. Evaluation of threshold doses of drug action in the horse using hematocrit values as an indicator. *Res Comm Chem Patho Pharmacol*, 75(2): 231-241.
- 1993 Stanley SD, Gairola CG, Diana JN, Huffman M, Sadove R, Woods WE, Kwiatkowski S, Tai HH, Tobin T. Development and characterization of an ELISA for cotinine in biological fluids. *Inhalation Tox*, 5: 403-413.

- 1994 Stanley SD, Wood T, Goodman JP, Henry P, Woods WE, Chang SL, Tai HH, Watt D, Blake J, Tobin T, Gerken D, Sams R. Immunoassay detection of drugs in racing horses: Detection of ethacrynic acid and bemetanide in equine blood and urine by ELISA. *J Analytical Tox*, 16: 95-100.
- 1995 Harkins JD, Stanley SD, Mundy GD, Carney JM, Sams RA, Woods WE, Tobin T. A review of the pharmacology and pharmacokinetics and regulatory control in the U.S. of local anesthetics in the horse. *J Vet Pharmacol and Therap*, 18: 397-406.
- 1995 Stanley SD, Sams RA, Harkins JD, Mundy GD, Boyles J, Woods WE, Tobin T. Frequency distribution of post race urine pH from standardbreds compared with thoroughbreds: research and regulatory significance. *Eq Vet J*, 27(6): 471-473.
- 1996 Sams RA, Gerken DF, Detra RL, Stanley SD, Wood WE, Tobin T, Yang JM, Tai HH, Jeganathan A, Watt DS. Identification of metabolites of azaperone in horse urine. *J Pharm Sci*, 85(1): 79-84.
- 1996 Harkins JD, Stanley SD, Woods WE, Rees WA, Thompson KN, Tobin T. Determination of highest no effect doses (HNED) for local anesthetic responses to procaine, cocaine, bupivacaine and benzocaine. *Eq Vet J*, 28(1): 30-37.
- 1996 Harkins JD, Mundy GD, Stanley S, Woods WE, Boyles J, Arthur RA, Sams RA, Tobin T. Regulatory significance of procaine residues in plasma and urine samples: A preliminary communication. *Eq Vet J*, 28(1): 121-125.
- 1996 Harkins JD, Mundy GD, Stanley SD, Woods WE, Sams RA, Richardson DR, Tobin T. Character and duration of pharmacological effects of intravenous isoxsuprine. *Eq Vet J*, 28(4): 320-326.
- 1997 Harkins JD, Mundy GD, Stanley SD, Sams RA, Tobin T. Lack of local anaesthetic efficacy of Sarapin® in the abaxial sesamoid block model. *J Vet Pharmacol Ther*, 20(3): 229-232.
- 1997 Kollias-Baker C, Stanley SD. A review of the indications and regulatory considerations for the use of ketoprofen in horses. *Proc Am Assoc Eq Pract*, 43: 224-226.
- 1998 Harkins JD, Mundy GD, Stanley SD, Woods WE, Sams RA, Richardson DR, Tobin T. Absence of detectable pharmacological effects after oral administration of isoxsuprine. *Eq Vet J*, 30(4): 294-299.
- 2000 Nieto JE, Snyder JR, Kollias-Baker C, Stanley S. In vitro effects of 5-hydroxytryptamine and cisapride on the circular smooth muscle of the jejunum of horses. *Am J Vet Res*, 61: 1561-1565.
- 2000 Robinson NE, Jackson CA, Peroni D, Stanley SD, Kollias-Baker C, Jefcoat AM, Berney CEA, Derksen FJ. Why is oral prednisone ineffective for treatment of heaves? *Proc Am Assoc Eq Pract*, 46: 266-267.

- 2000 Kollias-Baker C, Stanley SD, McKemie D. The urinary excretion of the procaine component of procaine penicillin in sedentary and exercised-conditioned horses. *Proc 13th Intl Conf Racing Analy and Vet*, 53-56.
- 2000 Stanley SD, Skinner W, McKemie D, Shepard R. Unique functionalized polymer columns for solid-phase extraction. *Proc 13th Intl Conf Racing Analy and Vet*, 241-244.
- 2001 Cohen ND, Chu KK, Stanley SD, Wang N. Estimation of the probability for exceeding a threshold concentration of furosemide at various intervals after intravenous administration in horses. *Am J Vet Res*, 62(3): 320-325.
- 2001 Chu KK, Wang N, Stanley S, Cohen ND. Statistical evaluation of the regulatory guidelines for use of furosemide in racehorses. *Biometrics*, 57: 294-301.
- 2001 Chu KK, Cohen ND, Stanley SD, Wang N. Estimation of the probability for exceeding thresholds of urine specific gravity and plasma concentration of furosemide at various intervals after intravenous administration of furosemide in horses. *Am J Vet Res*, 62(9): 1349-1353.
- 2002 Peroni DL, Stanley SD, Kollias-Baker C, Robinson NE. Prednisone per os is likely to have limited efficacy in horses. *Eq Vet J*, 34(3): 283-287.
- 2002 Taduesz FM, Stanley SD. Improved synthesis of ¹³C,²H₃- and ²H₃-salmeterol by Cs₂CO₃-mediated monoalkylation of a primary amine. *J Label Compd Radiopharm*, 45: 755-762.
- 2002 Van Hoogmoed LM, Harmon FA, Stanley SD, White J, Snyder JR. In vitro investigation of the interaction between nitric oxide and cyclo-oxygenase activity in the equine ventral colon smooth muscle. *Eq Vet J*, 34(5): 510-515.
- 2002 Nieto JE, Spier S, Pipers FS, Stanley S, Aleman MR, Smith DC, Snyder JR. Comparison of paste and suspension formulations of omeprazole in the healing of gastric ulcers in racehorses in active training. *J Am Vet Med Assoc*, 221: 1139-1143.
- 2002 Cohen ND, Hu Z, Stanley SD, Wang N. Comparison of serum and urinary concentrations of clenbuterol with and without concomitant administration of furosemide in horses. *Vet Ther*, 3(3): 316-325.
- 2002 Stanley S, Kollias-Baker C, Skinner W. Metabolism of carisoprodol to meprobamate and hydroxycarisoprodol. *14th Intl Conf Racing Analy and Vet*, 118-124.
- 2002 Maxwell L, Stanley S, Kollias-Baker C. Post-race serum furosemide concentrations associated with low urine specific gravity in California racehorses. *14th Intl Conf Racing Analy and Vet*, 254-256.

- 2002 Kollias-Baker C, Stanley S. A case for and determination of a regulatory threshold for Clenbuterol in California. 14th Intl Conf Racing Analy and Vet, 84-87.
- 2003 Stanley SD, McKemie D, Skinner W. Large-volume injection gas chromatography-mass spectrometry for automated broad-spectrum drug screening in horse urine. *J Anal Toxicol*, 27(6): 325-331.
- 2003 Kollias-Baker C, Maxwell L, Stanley SD, Boone T. Detection and quantification of cocaine metabolites in urine samples from horses administered cocaine. *J Vet Pharmacol Therap*, 26(6): 429-434.
- 2003 Kyles AE, Gregory CR, Craigmill AL, Griffey SM, Jackson J, Stanley SD. Pharmacokinetics of tacrolimus after multidose oral administration and efficacy in the prevention of allograft rejection in cats with renal transplant. *Am J Vet Res*, 64: 926-934.
- 2003 Stanley S, Thomasy S, Skinner W. Comparison for pharmaceutical equivalence of FDA-approved products and compounded preparations of Ketoprofen, Amikacin, and Boldenone. *Proc Am Assoc Eq Pract*, 49: 238-242.
- 2004 Skinner W, McKemie D, Stanley S. Quantitative Determination of Carisoprodol and its Metabolites in Equine Urine and Serum by Liquid Chromatography-Tandem Mass Spectrometry. *Chromatographia Supp*, 59: S61-S67.
- 2005 Thomasy SM, Pypendop BH, Ilkiw JE, Stanley SD. Pharmacokinetics of lidocaine and its active metabolite, monoethylglycinexylidide, after intravenous administration of lidocaine to awake and isoflurane-anesthetized cats. *Am J Vet Res*, 66(7): 1162-1166.
- 2006 Thomasy SM, Steffey EP, Mama KR, Solano A, Stanley SD. The effects of i.v. fentanyl administration on the minimum alveolar concentration of isoflurane in horses. *Br J Anaesth*, 97(2): 232-237.
- 2006 Cohen ND, Stanley SD, Arthur RA, and Wang N. Factors influencing pre-race serum concentration of total carbon dioxide in Thoroughbred horses racing in California. *Eq Vet J*, 38(8): 543-548.
- 2006 Jones JH, Ohmura H, Stanley SD, Hiraga A. Energetic cost of locomotion on different equine treadmills. *Eq Vet J Suppl.*, (36) 365-369.
- 2007 Thomasy SM, Mama KR, Whitley K, Steffey EP, and Stanley SD. Influence of general anaesthesia on the pharmacokinetics of intravenous fentanyl and its primary metabolite in horses. *Eq Vet J*, 39(1): 54-58.
- 2007 Thomasy SM, Moeller B, and Stanley SD. Comparison of opioid receptor binding in horse, guinea pig, and rat cerebral cortex and cerebellum. *Vet Anaesth Analg*, 34(5): 351-358.

- 2007 Delco M, Nieto J, Craigmill A, Stanley SD, and Snyder J. Pharmacokinetics and in vitro effects of tegaserod, a serotonin 5-hydroxytryptamine 4 (5-HT⁴) receptor agonist with prokinetic activity in horses. *Vet Ther*, 8(1): 77-87.
- 2007 Arthur RM, Cohen ND, Stanley SD and Wang N. Performance and other factors associated with pre-race serum total CO² concentrations in Thoroughbreds. *16th Intl Conf Racing Anal and Vet*, 16: 292-293.
- 2007 Thomasy SM, Maggs DJ, Moulin NK, Stanley SD. Pharmacokinetics and safety of penciclovir following oral administration of famciclovir to cats. *Am J Vet Res*, 68(11): 1252-1258.
- 2008 Riggs SM, Hawkins MG, Craigmill AL, Kass PH, Stanley SD, Taylor IT. Pharmacokinetics of butorphanol tartrate in red-tailed hawks (*Buteo jamaicensis*) and great horned owls (*Bubo virginianus*). *Am J Vet Res*, 69(5): 596-603.
- 2008 Eberspãcher E, Stanley SD, Rezende M, Steffey EP. Pharmacokinetics and tolerance of transdermal fentanyl administration in foals. *Vet Anaesth Analg*, 35: 249-255.
- 2008 Pypendop BH, Brosnan RJ, Siao KT, Stanley SD. Pharmacokinetics of remifentanyl in conscious cats and cats anesthetized with isoflurane. *Am J Vet Res*, 69(4): 531-536.
- 2008 Braim AE, MacDonald M, Bruss M, Stanley S, Giri J, Giri S. Pharmacokinetics and clinical effects of pirofenidone administered intravenously in horses. *Am J Vet Res*, 69(7): 952-960.
- 2008 Bruss ML, Stanley SD, Margolin SB, Giri SN. Pharmacokinetics and metabolism of intravenous pirofenidone in sheep. *Biopharm Drug Dispos*, 29(2): 119-126.
- 2008 DiMaio Knych HK, Stanley SD. Complementary DNA cloning, functional expression and characterization of a novel cytochrome P450, CYP2D50, from equine liver. *Biochemical Pharmacology*, 76: 904-911.
- 2008 Maher O, Nieto JE, Stanley SD, Dore E, Snyder JR. Evaluation of the effect of ranitidine on gastroduodenal contractile activity and gastric emptying in horses. *Am J Vet Res*, 69(9): 1153-1157.
- 2008 Thomasy SM, Mama KR and Stanley SD. Comparison of liquid chromatography-mass spectrometry versus radioimmunoassay for measurement of fentanyl and determination of pharmacokinetics in equine plasma. *J Anal Toxicol*, 32(9): 754-759.
- 2009 Grimsrud KN, Mama KR, Thomasy SM and Stanley SD. Pharmacokinetics of detomidine and its metabolites following intravenous and intramuscular administration in horses. *Eq Vet J*, 41(4): 361-365.

- 2009 Mama K, Whitley K, Snell T, Stanley SD. Plasma concentrations and selected behavioral and physiological effects of intravenous and intramuscular detomidine in horses. *Eq Vet J*, 41(8): 772-777.
- 2009 DiMaio Knych HK, Steffey EP, Mama KR, Stanley SD. The effects of high plasma fentanyl concentrations on the minimum alveolar concentration of isoflurane in horses. *Am J Vet Res*, 70(10): 1193-1200.
- 2009 Steffey EP, Mama KR, Brosnan RJ, Imai A, Maxwell LK, Cole C, Stanley SD. Recovery profile of horses following 4 hours of desflurane anesthesia with and without recovery period co-administration of propofol and xylazine. *Am J Vet Res*, 70(8): 956-963.
- 2009 DiMaio Knych HK, DeStefano Shields C, Buckpitt AR, Stanley SD. Equine cytochrome P450 2C92: cDNA cloning, expression and initial characterization. *Archives of Biochemistry and Biophysics*, 485(1): 49-55.
- 2009 Steffey EP, Brosnan RJ, Galuppo LD, Mama KR, Imai A, Maxwell LK, Cole CA, Stanley SD. Use of desflurane, propofol, and the Anderson sling suspension system for horses at high risk of recovery complications following inhalation anesthesia. *Vet Surg*, 38(8): 927-933.
- 2010 Boscan P, Rezende M, Grimsrud K, Stanley S, Mama K, Steffey EP. Pharmacokinetic profile in relation to anesthesia characteristics following a 5% micellar Microemulsion of Propofol in the Horse. *Br J Anaesth*, 104(3): 330-337.
- 2010 Rezende M, Boscan P, Stanley SD, Mama K, Steffey EP. Evaluation of cardiovascular, respiratory and biochemical effects, and anesthetic induction and recovery behavior in horses anesthetized with a 5% micellar microemulsion propofol formulation. *Vet Anaesth Analg*, 37(5): 440-450.
- 2010 DiMaio Knych HK, McKemie D, Stanley SD. Molecular Cloning, Expression, and Initial Characterization of Members of the CYP3A Family in Horses. *Drug Metabolism and Disposition*, 38(10): 1820-1827.
- 2010 Stanley SD, DiMaio Knych HK. Comparison of pharmaceutical equivalence for compounded preparations of pergolide mesylate. *Proc Am Assoc Eq Pract*, 56: 274-276.
- 2010 Stanley SD. Understanding risk associated with veterinary compounding choices. *Proc Am Assoc Eq Pract*, 56: 8-11.
- 2010 Knych HK, Arthur RM, Taylor A, Moeller BC, Stanley SD. Comparative pharmacokinetics of two oral formulations of Dantrolene in the horse. *Proc Am Assoc Eq Pract*, 56: 53.
- 2010 Bertone JJ, Greene HM, Sislak M, Agnic H, Heidmiller M, Stanley SD, Wickler SJ. Pharmacokinetics, pharmacodynamics, and safety of N-butylscopolamine bromide administered intramuscularly versus intravenously. *Proc Am Assoc Eq Pract*, 56: 279-280.

- 2011 Conley A, Moeller B, Nguyen A, Stanley SD, Plant T, Abbott D. Defining adrenarche in the rhesus macaque (*Macaca mulatta*), a non-human primate model for adrenal androgen secretion. *Molecular & Cellular Endocrinol*, 336(1-2): 110-116.
- 2011 DiMaio Knych HK, Stanley SD. Pharmacokinetics and pharmacodynamics of detomidine following sublingual administration to horses. *Am J Vet Res*, 72(10): 1378-1385.
- 2011 DiMaio Knych HK, Steffey EP, Deuel J, Shepard R, Stanley S. Pharmacokinetics of yohimbine following intravenous administration to horses. *J Vet Pharmacol Therap*, 34(1): 58-63.
- 2011 Kelly KR, Pypendop BH, Grayson K, Stanley SD, Christe KL, Summers L, Lerch NW. Pharmacokinetics of Oxymorphone in Titi Monkeys (*Callicebus* spp.) and Rhesus Macaques (*Macaca mulatta*) as Compared to Rhesus Macaques (*Macaca mulatta*). *J Am Assoc Lab Anim Sci*, 50(2): 212-220.
- 2011 Moeller BC, Sams RA, Guingab J, Szabo NJ, Calohan P, Stanley SD. An interlaboratory study of the pharmacokinetics of testosterone following intramuscular administration to Thoroughbred horses. *J Vet Pharmacol Therap*, 34(6): 588-593.
- 2011 Siao KT, Pypendop BH, Stanley SD, Ilkiw JE. Pharmacokinetics of amantadine in cats. *J Vet Pharmacol Therap*, 34(6): 599-604.
- 2011 DiMaio Knych HK, Arthur RM, Taylor A, Moeller BC, Stanley SD. Pharmacokinetics and metabolism of dantrolene in horses. *J Vet Pharmacol Therap*, 34(3): 238-246.
- 2011 Siao KT, Pypendop BH, Stanley SD, Ilkiw JE. Pharmacokinetics of oxymorphone in cats. *J Vet Pharmacol Therap*, 34(6): 594-598.
- 2011 DiMaio Knych HK, Steffey EP, Stanley SD. Pharmacokinetics and pharmacodynamics of three intravenous doses of yohimbine in the horse. *J Vet Pharmacol Therap*, 34(4): 359-366.
- 2011 Hilton H, Magdesian G, Groth A, Knych HK, Stanley SD, Hollingsworth S. Distribution of flunixin meglumine and firocoxib into aqueous humor of horses. *J Vet Internal Med*, 25(5): 1127-1133.
- 2011 Almeida J, Ball BA, Conley AJ, Place NJ, Liu IKM, Scholtz EL, Mathewson L, Stanley SD, Moeller BC. Biological and clinical significance of anti-Müllerian hormone determination in blood serum of the mare. *Theriogenology*, 76: 1393-1403.
- 2011 Pypendop BH, Barter LS, Stanley SD, Ikiw JE. Hemodynamic effects of dexmedetomidine in isoflurane-anesthetized cats. *Vet Anaesth Analg*, 38(6): 555-567.

- 2011 Conley A, Plant TM, Abbott D, Moeller BC, Stanley SD. Concentrations of Adrenal Androgen Increase During Early Infancy in Male Rhesus Macaques (*Macaca mulatta*). *Am J Physiol Endocrinol Metabol*, 301(1): 1229-1235.
- 2011 Rand C, Stanley S, Pusterla N. Effects of intra-rectally administered omeprazole paste on gastric fluid pH in healthy adult horses. *Vet Rec*, 169(5): 126.
- 2012 Grimsrud K, Mama KR, Steffey EP, Stanley SD. Pharmacokinetics and pharmacodynamics of intravenous medetomidine in the horse. *Vet Anaesth Analg*, 39(1): 38-48.
- 2012 Escobar A, Pypendop BH, Siao KT, Stanley SD, Ilkiw JE. Pharmacokinetics of dexmedetomidine administered intravenously in isoflurane anesthetized cats. *Am J Vet Res*, 73(2): 285-289.
- 2012 Escobar A, Pypendop BH, Siao KT, Stanley SD, Ilkiw JE. Effect of dexmedetomidine on the minimum alveolar concentration of isoflurane in cats. *J Vet Pharmacol Therap*, 35(2): 163-168.
- 2012 Siao KT, Pypendop BH, Escobar A, Stanley SD, Ilkiw JE. Effect of amantadine on oxymorphone-induced thermal antinociception in cats. *J Vet Pharmacol Therap*, 35(2): 169-174.
- 2012 Knych HK, Steffey EP, Stanley SD. The effects of yohimbine on the pharmacokinetic parameters of detomidine in the horse. *Vet Anaesth Analg*, 39(3): 221-229.
- 2012 Toth B, Aleman M, Brosnan RJ, Dickinson PJ, Conley AJ, Stanley SD, Nogradi N, Williams DC, Madigan J. Evaluation of the squeeze induced somnolence in neonatal foals. *Am J Vet Res*, 73(12): 1881-1889.
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- 2012 Ortega I, Cress AB, Wong DH, Villanueva JA, Sokalska A, Moeller BC, Stanley SD, Duleba AJ. Simvastatin reduces steroidogenesis by inhibiting Cyp17a1 gene expression in rat ovarian theca-interstitial cells. *Biol Reprod*, 86(20): 1-9.
- 2012 Thomasy SM, Whitem T, Bales J, Ferrone M, Stanley SD, Maggs DJ. Pharmacokinetics of penciclovir in healthy cats following oral administration of famciclovir or intravenous infusion of penciclovir. *Am J Vet Res*, 73(7): 1092-1099.
- 2012 Moeller BC, Stanley SD. The development and validation of a turbulent flow chromatography–tandem mass spectrometry method for the endogenous steroid profiling of equine serum. *Journal of Chromatography B*, 905: 1-9.

- 2012 Madigan J, Haggett E, Pickles K, Conley A, Stanley S, Moeller B, Toth B Aleman M. Allopregnanolone infusion induced neurobehavioral alterations in a neonatal foal: Is this a clue to the pathogenesis of neonatal maladjustment syndrome? *Eq Vet J*, 44(s41): 109-112.
- 2012 Conley AJ, Corbin CJ, Thomas JL, Gee NA, Lasley BL, Moeller BC, Stanley SD, Berger T. Costs and Consequences of Cellular Compartmentalization and Substrate Competition among Human Enzymes Involved in Androgen and Estrogen Synthesis. *Biol Reprod*, 86(1)(15): 1-8.
- 2012 Thomasy SM, Covert JC, Stanley SD, Maggs DJ. Pharmacokinetics of famciclovir and penciclovir in tears following oral administration of famciclovir to cats: A pilot study. *Vet Ophthalmol*, 15(5): 299-306.
- 2012 Ortega I, Villanueva JA, Wong DH, Cress AB, Sokalska A, Stanley SD, Duleba AJ. Resveratrol reduces steroidogenesis in rat ovarian theca-interstitial cells: the role of inhibition of Akt/PKB signaling pathway. *Endocrinology*, 158(8): 4019-4029.
- 2012 Ortega I, Wong DH, Villanueva JA, Cress AB, Sokalska A, Stanley SD, Duleba AJ. Effects of resveratrol on growth and function of rat ovarian granulosa cells. *Fertil Steril*, 98(6): 1563-1573.
- 2013 Pypendop BH, Escobar A, Siao KT, Stanley SD, Ilkiw JE. Effect of dexmedetomidine on its clearance: a pharmacokinetic model. *J Vet Pharmacol Therap*, 36(1): 89-91.
- 2013 Moeller BC, Sams RA, Guingab-Cagmat J, Szabo NJ, Calohan P, Stanley SD. Pharmacokinetics of Stanozolol in Thoroughbred Horses Following Intramuscular Administration. *J Vet Pharmacol Therap*, 36(2): 201-204.
- 2013 Aleman M, Pickles KJ, Conley AJ, Stanley S, Haggett E, Toth B, Madigan JE. Abnormal plasma neuroactive progestagen derivatives in ill, neonatal foals presented to the neonatal intensive care unit. *Eq Vet J*, 45(6): 661-665.
- 2013 Nieto JE, Maher O, Stanley SD, Knych HK, Snyder JR. Pharmacokinetics, pharmacodynamics and safety of zoledronic acid in horses. *American Journal of Veterinary Research*, 74(4): 550-556.
- 2013 Nieto J, Morales B, Yamount S, Stanley S, Harmon F, Snyder J. In vivo and in vitro effects of neostigmine on gastrointestinal tract motility of horses. *Am J Vet Res*, 74(4): 579-588.
- 2013 Ortega I, Sokalska A, Villanueva JA, Cress AB, Wong DH, Stener-Victorin E, Stanley SD, Duleba AJ. Letrozole increases ovarian growth and CYP17a1 gene expression in the rat ovary. *Fertil Steril*, 99(3): 889-896.
- 2013 Nieto JE, Maher O, Stanley SD, Larson R, Snyder JR. In vivo and in vitro evaluation of the effects of domperidone on the gastrointestinal tract of healthy horses. *Am J Vet Res*, 74(8): 1103-1110.

- 2013 Freeman KS, Thomasy SM, Stanley SD, Van Bonn W, Gulland F, Friedlaender AS, Maggs DJ. Population pharmacokinetics of doxycycline in the tears and plasma of northern elephant seals (*Mirounga angustirostris*) following oral drug administration. *J Am Vet Med Assoc*, 243(8): 1170-1178.
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- 2014 Hedges AR, Pypendop BH, Shilo Y, Stanley SD, Ikiw JE. Impact of the blood sampling site on time–concentration drug profiles following intravenous or buccal drug administration. *J Vet Pharmacol Therap*, 37(2): 145-150.
- 2014 Knych HK, Stanley SD, Arthur RM, Mitchell MM. Detection and pharmacokinetics of three formulations of firocoxib following multiple administrations to horses. *Equine Vet J*, 46(6): 734-738.
- 2014 Hedges AR, Pypendop BH, Shilo-Benjamini Y, Stanley SD, Ikiw JE. Pharmacokinetics of buprenorphine following intravenous and buccal administration in cats, and effects on thermal threshold. *J Vet Pharmacol Therap*, 37(3): 252-259.
- 2014 Scholtz EL, Krishnan S, Ball BA, Corbin CJ, Moeller BC, Stanley SD, McDowell KJ, Hughes AL, McDonnell DP, Conley AJ. Pregnancy without progesterone in horses defines a second endogenous biopotent progesterone receptor agonist, 5 α -dihydroprogesterone. *Proc Natl Acad Sci*, 111(9): 3365-3370.
- 2014 Sokalska A, Stanley SD, Villanuena JA, Ortega I, Duleba AJ. Comparison of effects of different statins on Growth and Steroidogenesis of rat ovarian theca-interstitial cells. *Biol Reprod*, 90(2): 44.
- 2014 Knych HK, Stanley SD. Effects of three antagonists on selected pharmacodynamic effects of sublingually administered detomidine in the horse. *Vet Anaesth Analg*, 41(1): 36-47.
- 2014 Ortega I, Villanueva JA, Wong DH, Cress AB, Sokalska A, Stanley SD, Duleba AJ. Resveratrol potentiates effects of simvastatin on inhibition of rat ovarian theca-interstitial cells steroidogenesis. *J Ovarian Res*, 7(1): 21.
- 2015 Rezende ML, Grimsrud KN, Stanley SD, Steffey EP, Mama KR. Pharmacokinetics and pharmacodynamics of intravenous dexmedetomidine in the horse. *J Vet Pharmacol Therap*, 38(1): 15-23.
- 2015 Grimsrud KN, Ait-Oudhia S, Durbin-Johnson BP, Rocke DM, Mama KR, Rezende ML, Stanley SD, Jusko WJ. Pharmacokinetic and pharmacodynamic analysis comparing diverse effects of detomidine, medetomidine, and dexmedetomidine in the horse: a population analysis. *J Vet Pharmacol Ther*, 38(1): 24-34.

- 2015 Knych HK, Arthur RM, Stanley SD, McKemie DS. Disposition and metabolic profile of the weak androgen Dehydroepiandrosterone (DHEA) following administration as part of a nutritional supplement to exercised horses. *Drug Test Anal*, 7(1): 39-47.
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- 2016 Burton JH, Stanley SD, Knych HK, Rodriguez CO, Skorupski KA, Rebhun RB. Frequency and severity of neutropenia associated with Food and Drug Administration approved and compounded formulations of Lomustine in dogs with cancer. *J Vet Intern Med*, 30(1): 242-246.
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