

Dawn M. Boothe, DVM, MS, PhD
Selected Publications

Matz BM, Boothe HW, Wright JC, **Boothe DM**. Effect of enteric biopsy closure orientation on enteric circumference and volume of saline needed for leak testing. *Can Vet J* 2014 Jan;55(1):1255-7. Erratum in: *Can Vet J* Feb;55(2):106, 2014.

Archer TM, **Boothe DM**, Langston VC, Fellman CL, Lunsford KV, Mackin AJ. Oral cyclosporine treatment in dogs: a review of the literature. *J Vet Intern Med* Jan-Feb;28(1):1-20, 2014.

Miller R, Schick AE, **Boothe DM**, Lewis TP. Absorption of transdermal and oral cyclosporine in six healthy cats. *J Am Anim Hosp Assoc* Jan-Feb;50(1):36-41, 2014.

Boothe DM. Doxycycline for veterinary use during shortage. *J Am Vet Med Assoc* May 15;242(10):1340, 2013.

Shaheen BW, Nayak R, **Boothe DM**. Emergence of a New Delhi metallo- β -lactamase (NDM-1)-encoding gene in clinical *Escherichia coli* isolates recovered from companion animals in the United States. *Antimicrob Agents Chemother* Jun;57(6):2902-2903, 2013.

Shaheen BW, Nayak R, Foley SL, **Boothe DM**. Chromosomal and plasmid-mediated fluoroquinolone resistance mechanisms among broad-spectrum-cephalosporin-resistant *Escherichia coli* isolates recovered from companion animals in the USA. *J Antimicrob Chemother* May; 68(5):1019-1024, 2013.

Davis HA, Stanton MB, Thungrat K, **Boothe DM**. Uterine bacterial isolates from mares and their resistance to antimicrobials: 8,296 cases (2003-2008). *J Am Vet Med Assoc* Apr 1; 242(7):977-983, 2013.

Shaheen BW, Nayak R, **Boothe DM**. Emergence of a New Delhi metallo- β -lactamase (NDM-1)-encoding gene in clinical *Escherichia coli* isolates recovered from companion animals in the United States. *Antimicrob Agents Chemother* Jun; 57(6):2902-2903, 2013.

Boothe DM. Doxycycline for veterinary use during shortage. *J Am Vet Med Assoc* 15;242(10):1340, 2013.

Lacasse C, Gamble KC, **Boothe DM**. Pharmacokinetics of a single dose of intravenous and oral meloxicam in red-tailed hawks (*Buteo jamaicensis*) and great horned owls (*Bubo virginianus*). *J Avian Med Surg* Sept; 27(3):204-210, 2013.

Spindel ME, Slater MR, **Boothe D**. A survey of North American shelter practices relating to feline upper respiratory management. *J Feline Med Surg* Apr;15(4):323-327, 2013.

Aly SA, Debavalya N, Suh SJ, Oryazabal OA, **Boothe DM**. Molecular mechanisms of antimicrobial resistance in fecal *Escherichia coli* of healthy dogs after enrofloxacin or amoxicillin administration. *Can J Microbiol* Nov;58(11):1288-1294, 2012.

Boothe D, Smaha T, Carpenter DM, Shaheen B, Hathcock T. Antimicrobial resistance and pharmacodynamics of Canine and Feline Pathogenic *E. coli* in the United States. *J Am Anim Hosp Assoc* Nov-Dec; 48(6):379-389, 2012.

Liu X, **Boothe DM**, Jin Y, Thungrat K. In vitro potency and efficacy favor later generation fluoroquinolones for treatment of canine and feline *Escherichia coli* uropathogens in the United States. *World J Microbiol Biotechnol*. 2012 Nov 8. [Epub ahead of print] PubMed PMID: 23136054.

Umstead ME, **Boothe DM**, Cruz-Espindola C, Macdonald JM, Kennis R, Angarano D. Accuracy and precision of compounded ciclosporin capsules and solution. *Vet Dermatol* Oct; 23(5):431-435, 2012.

Liu X, **Boothe DM**, Thungrat K, Aly S. Mechanisms accounting for fluoroquinolone multidrug resistance *Escherichia coli* isolated from companion animals. *Vet Microbiol* Dec 28; 161(1-2); 159-168, 2012; 2012 Jul 20. [Epub ahead of print] PubMed PMID: 22877517.

Boothe DM, Dewey C, Carpenter DM. Comparison of phenobarbital or bromide as a first-choice antiepileptic drug for treatment of epilepsy in dogs. *J Vet Med Assoc* May 1;240(9):1073-1083, 2012.

Newcomer BW, Marley MS, Galik PK, Walz PH, Zhang Y, Riddell KP, Dykstra CC, Boykin DW, Kumar A, Cruz-Espindola C, **Boothe DM**, Joiner KS, Givens MD. Antiviral treatment of calves persistently infected with bovine viral diarrhoea virus. *Antivir Chem Chemother* Jan 17;22(4):171-179, 2012.

Edmondson MA, Duran SH, **Boothe DM**, Stewart AJ, Ravis WR. Pharmacokinetics of tramadol and its major metabolites in alpacas following intravenous and oral administration. *J Vet Pharmacol Ther* Aug;35(4):389-396, 2012.

Neihaus SA, Hathcock TL, **Boothe DM**, Goring RL. Presurgical antiseptic efficacy of chlorhexidine diacetate and providone-iodine in the canine preputial cavity. *J Am Anim Hosp Assoc* Nov-Dec; 47(6):406-412, 2011.

Boothe DM, Debavalya N. Impact of routine antimicrobial therapy on canine fecal *Escherichia coli* antimicrobial resistance: a pilot study. *Journal of Appl Res Vet* 9(4):401-411, 2011.

Shaheen BW, Nayak R, Foley SL, Kweon O, Deck J, Park M, Rafii F, **Boothe DM**. Molecular characterization of resistance to extended-spectrum cephalosporins in clinical *Escherichia coli* isolates from companion animals in the United States. *Antimicrob Agents Chemother* Dec; 55(12):5666-5675, 2011.

Weese JS, Blondeau JM, **Boothe D**, Breitschwerdt EB, Guardabassi L, Hillier A, Lloyd DH, Papich MG, Rankin SC, Turnidge JD, Sykes JE. Antimicrobial use guidelines for treatment of urinary tract disease in dogs and cats: antimicrobial guidelines working group of the international society for companion animal infectious diseases. *Vet Med Int* 2011;263768, 2011.

Stewart AJ, **Boothe DM**, Cruz-Espindola C, Mitchum EJ, Springfield J. Pharmacokinetics of tramadol and metabolites O-desmethyiltramadol and N-desmethyiltramadol in adult horses. *Am J Vet Res Jul*; 72(7):967-974, 2011.

Hubka P, **Boothe DM**. In vitro susceptibility of canine and feline *Escherichia coli* to fosfomycin. *Vet Microbiol Apr* 21; 149(1-2):277-282, 2011.

Shaheen BW, **Boothe DM**, Oyarzabal OA, Wang C, Johnson CM. Evaluation of the contribution of gyrA mutation and efflux pumps to fluoroquinolone and multidrug resistance in pathogenic *Escherichia coli* isolates from dogs and cats. *Am J Vet Res Jan*; 72(1):25-32, 2011.

Pinto N, Schumacher J, Taintor J, Degraives F, Duran S, **Boothe D**. Pharmacokinetics of amikacin in plasma and selected body fluids of healthy horses after a single intravenous dose. *Equine Vet J Jan*; 43(1):112-116, 2011.

McGraw A, Whitley EA, Lee H, **Boothe DM**, Behrend E. Determination of the concentrations of trilostane and ketotrilostane that inhibit ex vivo adrenal synthesis of cortisol, corticosterone and aldosterone. *J Vet Res May*; 72(5):661-665, 2011.

Markowitz GJ, Kadam SD, **Boothe DM**, Irving ND, Comi AM. The pharmacokinetics of commonly used antiepileptic drugs in immature CD1 mice. *Neuroreport Apr* 21; 21(6):452-456, 2010.

Shaheen BW, **Boothe DM**, Oyarzabal OA, Smaha T. Antimicrobial resistance profiles and clonal relatedness of canine and feline *Escherichia coli* pathogens expressing multidrug resistance in the United States. *J Vet Intern Med Mar-Apr*; 24(2):323-330, 2010.

Shaheen BW, Oyarzabal OA, **Boothe DM**. The role of class 1 and 2 integrons in mediating antimicrobial resistance among canine and feline clinical *E. coli* isolates from the US. *Vet Microbiol Aug* 26; 144(3-4):363-370, 2010.

Boothe DM. Interpreting culture and susceptibility data in critical care: perks and pitfalls. *J Vet Emerg Crit Care (San Antonio) Feb*; 20(1):110-131, 2010.

Atilla A, Boothe HW, Tollett M, Duran S, Diaz DC, Sofge J, **Boothe DM**. In vitro elution of amikacin and vancomycin from impregnated plaster of Paris beads. *Vet Surg Aug*; 39(6):715-721, 2010.

Saile K, Boothe HW, **Boothe DM**. Saline volume necessary to achieve predetermined intraluminal pressures during leak testing of small intestinal biopsy sites in the dog. *Vet Surg Oct*; 39(7):900-903, 2010.

Shaheen BW, Wang C, Johnson CM, Kaltenboeck B, **Boothe DM**. Detection of fluoroquinolone resistance level in clinical canine and feline *Escherichia coli* pathogens using rapid real-time PCR assay. Vet Microbiol Nov 18; 139(3-4):379-385, 2010.

Boothe HW, Howe LM, **Boothe DM**, Reynolds LA, Carpenter M. Evaluation of outcomes in dogs treated for pyothorax: 46 cases (1983-2001). J Am Vet Med Assoc Mar 15; 236(6):657-663, 2010.

Boothe DM, Boeckh A, Boothe HW. Evaluation of the distribution of enrofloxacin by circulating leukocytes to sites of inflammation in dogs. Am J Vet Res Jan; 70(1):16-22, 2009.