

BIOGRAPHICAL SKETCH

Give the following information for the key personnel and consultants and collaborators. Begin with the principal investigator/program director. Photocopy this page for each person.

NAME		POSITION TITLE	
Sharon C. Kerwin		Professor	
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Texas A&M University College of Veterinary Medicine	B.S.	1986	Veterinary Science
Texas A&M University College of Veterinary Medicine	D.V.M.	1988	Veterinary Medicine
Louisiana State University	M.S.	1993	Veterinary Physiology

ACADEMIC EMPLOYMENT EXPERIENCE

Professor, VSCS, Texas A&M University 2007-present
 Associate Professor, Veterinary Small Animal Clinical Sciences, Texas A&M University 2001-2007
 Associate Professor, Veterinary Clinical Sciences, Louisiana State University, 1999-2001
 Assistant Professor, VCS, LSU, 1994-1999
 Clinical Instructor, VCS, LSU, 1993-4
 Small Animal Surgery Resident, VCS, LSU, 1989-1992
 Small Animal Intern, VCS, LSU 1988-1989

BOARD CERTIFICATION

American College of Veterinary Surgeons, 1994

SELECTED HONORS AND AWARDS

- 2000 Carl J. Norden Distinguished Teacher Award
- 2003 Accepted as member of AO-Vet (a section of the International Association for the Study of Internal Fixation)
- 2005, 08Clinical Service Award Veterinary Medical Teaching Hospital Texas A&M
- 2007 Texas Veterinary Medical Association Faculty Research Achievement Award
- 2009 Texas A&M University Association of Former Students Distinguished Teaching Award, College Level
- 2009 Texas A&M University Association of Former Students Distinguished Teaching Award, University Level

PUBLICATIONS: Refereed Papers (last 3 years)

Griffin JF, Levine JM, **Kerwin SC**. Canine thoracolumbar intervertebral disk disease. Standards of Care Emergency and Critical Care Medicine May 2007 Vol 9.4, pp1-11.

Vinayak, A. **Kerwin, SC** Pool, RR. Treatment of thoracolumbar spinal cord compression associated with Histoplasma capsulatum infection in a cat. J Am Vet Med Assoc. 2007. 230: 7, 1018-1023.

Levine JM, Levine GJ, Johnson SI, **Kerwin SC**, Hettlich BH, Fosgate GT.
 Evaluation of the success of medical management for presumptive cervical intervertebral disk herniation in dogs. Vet Surg. 2007 Jul;36(5):492-9.

Levine JM, Levine GJ, Johnson SI, **Kerwin SC**, Hettlich BF, Fosgate GT.
 Evaluation of the success of medical management for presumptive thoracolumbar intervertebral disk herniation in dogs. Vet Surg. 2007 Jul;36(5):482-91.

Lackowski WM, Vasilyeva YB, Crooks RM, **Kerwin SC**, Hulse DA.
 Microchemical and surface evaluation of canine tibial plateau leveling osteotomy plates. Am J Vet Res. 2007 Aug;68(8):908-16.

Levine JM, Levine GJ, Boozer L, Schatzberg SJ, Platt SR, Kent M, **Kerwin SC**, Fosgate GT. Adverse effects and outcome associated with dexamethasone administration in dogs with acute thoracolumbar intervertebral disk herniation: 161 cases (2000-2006). J Am Vet Med Assoc. 2008 Feb 1;232(3):411-7.

Case JB, Hulse D, **Kerwin SC**, Peycke LE. Meniscal Injury Following Initial Cranial Cruciate stabilization Surgery in 26 dogs (29 Stifles). *Vet Comp Orthop Traum* available online Feb 14, 2008.

Baltzer W, McMichael M, Hosgood GL, **Kerwin SC**, Levine JM, Steiner JM, Ruaux CG. Randomized, blinded, placebo-controlled clinical trial of N-acetylcysteine in dogs with spinal cord trauma from acute intervertebral disk disease. *Spine* 2008 Jun 1;33(13): 1397-402.

Bergman RL, Levine JM, Coates JR, Bahr A, Hettlich BF, **Kerwin SC**. Cervical Spinal Locking plate in combination with cortical ring allograft for a one level fusion in dogs with cervical spondylotic myelopathy. *Vet Surg* 37:530-536 2008.

Carroll GL, Narbe R, Peterson K, **Kerwin SC**, Taylor L, DeBoer M. A pilot study: sodium urate synovitis as an acute model of inflammatory response using objective and subjective criteria to evaluate arthritic pain in cats. *J Vet Pharmacol Ther.* 2008 Oct;31(5):456-65.

Levine JM, Budke CM, Levine GJ, **Kerwin SC**, Hettlich BF, Slater MR.
Owner-perceived, weighted quality-of-life assessments in dogs with spinal cord injuries.
J Am Vet Med Assoc. 2008 Sep 15;233(6):931-5.

Budke CM, Levine JM, **Kerwin SC**, Levine GJ, Hettlich BF, Slater MR.
Evaluation of a questionnaire for obtaining owner-perceived, weighted quality-of-life assessments for dogs with spinal cord injuries. *J Am Vet Med Assoc.* 2008 Sep 15;233(6):925-30.

Turnwald, G. Stone, E. Bristol, D. Fuentealba, C. Hardie, L. Hellyer, P. Jaeger, L. **Kerwin, S.** Kochevar, D. Lissemore, K. Olsen, C. Rogers, K. Sabin, B. Swanson, C. Warner, A. Assessing clinical competency: reports from discussion groups. *Journal of Veterinary Medical Education.* 2008. 35: 3, 343-353

Punke, J. P. Hulse, D. A. **Kerwin, S. C.** Peycke, L. E. Budsberg, S. C. Arthroscopic documentation of elbow cartilage pathology in dogs with clinical lameness without changes on standard radiographic projections. *Veterinary Surgery.* 2009. 38: 2, 209-212.

Levine, G. J. Levine, J. M. Budke, C. M. **Kerwin, S. C.** Au, J. Vinayak, A. Hettlich, B. F. Slater, M. R.
Description and repeatability of a newly developed spinal cord injury scale for dogs.
Preventive Veterinary Medicine. 2009. 89: 1/2, 121-127. 35 ref.

Israel, S. K. Levine, J. M. **Kerwin, S. C.** Levine, G. J. Fosgate, G. T.
The relative sensitivity of computed tomography and myelography for identification of thoracolumbar intervertebral disk herniations in dogs.
Veterinary Radiology & Ultrasound. 2009. 50: 3, 247-252.

Levine GJ, Levine JM, Witsberger TH, **Kerwin SC**, Russell KE, Suchodolski J, Steiner J, Fosgate GT. Cerebrospinal fluid myelin basic protein as a prognostic biomarker in dogs with thoracolumbar intervertebral disk disease. *J Vet Intern Med.* 2010 May 11 (pub ahead of print).

Hettlich BF, Fosgate GT, Levine JM, Young BD, **Kerwin SC**, Walker M, Griffin J, Maierl J. Accuracy of conventional radiography and computed tomography in predicting implant position in relation to the vertebral canal in dogs. *Vet Surg* 2010 Apr 29 (pub ahead of print)

Hulse D, Beale B, **Kerwin S.** Second look arthroscopic findings after tibial plateau leveling osteotomy. *Vet Surg* 2010. 29:3, 350-354.

FUNDING (Last 3 years)

Effect of a Time Varying Electromagnetic Field on an Experimental Model of Fracture Healing.

Principal Investigator: David Nelson

Co-Investigators: Kerwin S, Peycke L, Bahr A, Cole R, Walker M, Young B, Fosgate G, Clubb F, Fossum T.

The Prognostic Value of Various Cerebrospinal Fluid Biomarkers in Dogs with Acute Thoracolumbar Disk Herniation.

Principal Investigator: Gwen Levine

Co-Investigators: J. Levine, S. Kerwin, T. Witsberger, J. Steiner, J. Suchodolski, K. Russell

Feasibility of Flovagafran as a Replacement for Heparin and Protamine Sulfate in Cardiopulmonary Bypass and Cardiac Surgery.

Principal Investigator: David Nelson

Co-investigators: V. Fajt, G. Fosgate, A Guedes, S. Kerwin