
BIOGRAPHICAL SKETCH

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NAME Susan L. Kraft	POSITION TITLE Associate Professor, Veterinary Radiology		
eRA COMMONS USER NAME SKRAFT7			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Alaska	B.S.	1981	Biology
Washington State University	DVM	1985	Veterinary Medicine
Washington State University	Ph.D.	1991	Veterinary Sciences

A. Positions and Honors.

Positions and Employment

1987 - 1991	Radiology resident and PhD graduate candidate, Washington State University
1991 – 1997	Assistant Professor Veterinary Radiology, Kansas State University
1997 – 1999	Associate Professor with tenure, Kansas State University
1999 – Present	Associate Professor with tenure, Colorado State University

Other Experience and Professional Memberships

1993	Diplomate of American College of Veterinary Radiology, Diagnostic Imaging
1995-2001	Associate Editor Veterinary Radiology and Ultrasound Journal
1999 – Present	Director Robert and Eva Knight MRI Facility, Animal Cancer Center
1999 – Present	Member Animal Cancer Center, and ACC Research Committee, Colorado State University
2001	Diplomate of ACVR – Radiation Oncology
2001	Member, MRI Safety Committee, Colorado State University
2003	Member, International Society of Magnetic Resonance in Medicine
2004	Member, University of Colorado Cancer Consortium, Health Sciences Center, University of Colorado
2005 – present	Co-Director Small Animal Imaging Core, University of Colorado Cancer Consortium, University of Colorado Health Sciences Center

Honors

1996, 1995	Sloan Fellowship Award, Kansas State University
1995	MSD Agvet Award for Creativity in Teaching, Kansas State University
2005	Innovative instructional methodology Award in Professional Veterinary Medical Education, College of Veterinary Medicine, Colorado State University

B. Selected peer-reviewed publications (selected from 52 peer reviewed publications 1989 – 2007)

1. **Kraft SL**, Gavin PR, Wendling LR, Reddy VK: Canine Brain Anatomy on Magnetic Resonance Images. *Vet Radiol* 30 (4):147-158, 1989.
2. Gavin PR, **Kraft SL**, Wendling LR, D. Miller: Canine Spontaneous Brain Tumors - A Large Animal Model for BNCT, *Strahlentherapie und Onkologie* 165(2/3): 225-229, 1989.

3. **Kraft SL**, Gavin PR, Moore MP, Leathers CW, Richardson TE: Imaging Diagnosis, Canine Meningioma *Vet Radiol* 31(2): 65-67, 1990.
4. Frenier SL, **Kraft SL**, Moore MP, Gavin PR: A review of canine intracranial astrocytomas and comparison with the human counterpart. *Compend Cont Educ* 12(10): 1422-1436, 1990.
5. **Kraft SL**, Gavin PR, Leathers CW, Wendling LR, Frenier SL, Dorn RV. Diffuse cerebral and leptomeningeal astrocytoma in dogs: MR features. *JCAT* 14(4):555-560,1990.
6. Moore MP, Gavin PR, **Kraft SL**, De Haan CE, Leathers CW, Dorn RV. MR, CT and clinical features from dogs with nasal tumors involving the rostral cerebrum and nasal passages. *Vet Radiol* 32 (1): 19-25, 1991.
7. **Kraft SL**, Gavin PR, Leathers CW, DeHaan CE, Bauer WB, Miller DL, Dorn RV. Borocaptate sodium: A potential boron-carrying compound for Boron Neutron Capture Therapy. *Proceedings National Academy of Science, USA* 89:11973-11977, 1992.
8. Davidson H, **Kraft SL**. Imaging Diagnosis (MRI of a Canine Retrobulbar Lymphosarcoma). *Vet Radiol* 35(30), 1994.
9. DeHaan CE, **Kraft SL**, Gavin PR, Wendling LR, Griebenow ML. Normal variation in the lateral ventricles of the canine brain. *Vet Radiol* 35(2):83-87, 1994.
10. **Kraft SL**, Gavin PR, Leathers CW, DeHaan CE, Bauer WF, Dorn RV, Griebenow ML. Biodistribution of boron in dogs with spontaneous intracranial tumors following borocaptate sodium administration. *Cancer Research* 54:1259-1263, 1994.
11. **Kraft SL**, Gavin PR, DeHaan CE, Moore M, Wendling LR, Leathers CW. Retrospective evaluation of magnetic resonance imaging characteristics of 50 intracranial tumors. *J Vet Intern Med* 11:218-225, 1997.
12. Gavin PR, **Kraft SL**, Huiskamp R, Coderre JA. A review: CNS effects and normal tissue tolerance in dogs. *J Neurooncol* 33(1-2):71-80, 1997.
13. **Kraft SL**, Mussman J, Smith T, Biller DS. Magnetic resonance imaging of lumbosacral discospondylitis. *Vet Radiol*, 39(1):9-13, 1998.
14. Harkin K, Goggin JM, DeBey BM, **Kraft SL**, deLaHunta A. MRI of hereditary polioencephalomyelopathy in an Australian cattle dog. *JAVMA* 214(9):1342-1344, 1999.
15. **Kraft SL** and Gavin PR. MRI of Intracranial neoplasia. *Clinical Technique and Small Animal Practice*, 14(2):112-123, 1999.
16. Tucker DW, Olsen D, **Kraft SL**, Andrews GA, Gray AP. Primary hemangiosarcoma of the iliopsoas muscle eliciting a peripheral neuropathy. *JAAHA* 36(2):163-167, 2000.
17. **Kraft SL** and Gavin PR. Physical principles and technical considerations for equine computed tomography and magnetic resonance imaging. In *Advances in Equine Imaging* Veterinary Clinics of North America: Equine Practice (SL Kraft and GRoberts, eds.), W.B. Saunders, April 2001.
18. Kippenes H., Gavin P., **Kraft SL**, Sande R., Tucker R. Mensuration of the normal pituitary gland from magnetic resonance images in 96 dogs. *Vet Radiol and Ultrasound* 42:130-133, 2001.
19. Fish PH, Carpenter JW, **Kraft SL**. Diagnosis and treatment of a cerebral ischemic attack in a chimpanzee (*Pan troglodytes*), *J Zoo Wildlife Med*, 35:203-207, 2004.
20. Young B, Kraft SL. MRI diagnosis of a cervical foreign body. *Vet Radiol and Ultrasound*. 45(6): 538-541, 2004.
21. **Kraft SL**, Ehrhart EJ, Gall D, Klopp L, Gavin P, Tucker R, Bagley R, Kippenes H, DeHaan C, Pedroia V, Partington B, Olby N. Magnetic Resonance Imaging Characteristics of 18 Peripheral Nerve Sheath Tumors of the Canine Brachial Plexus. *Vet Radiol and Ultrasound* 48(1):1-7, 2007.
22. Huang Z, Haider MA, **Kraft S**, Chen Q, Blanc D, Wilson B, Hetzel F. Response of prostate gland to Pd-Bacteriopheophorbide (Tookad) photodynamic therapy monitored with magnetic resonance imaging. *Lasers in Surgery and Medicine*: 38:672-681, 2006.
23. Brennan G, Podell M, Wack R, **Kraft S**, Bielefeldt Ohmann H, VandeWoude S. Neurologic disease in *Panthera leo* with low titer lion lentivirus infection. *J Clin Microbiology*; Oct 11, 2006 (epub ahead of print).
24. **Kraft SL**, Randall E., Wilhelm M, Lana S. Development of a whole body MR imaging protocol in normal dogs and canine cancer patients. Accepted and in press, *Vet Radiol and Ultrasound*. (October 2006).

Other Support

1. Varian Biosynergy Dernell W (PI) 1/01/2006 – 1/01/2008 Awarded \$86,066
Stereotactic radiation therapy and immunomodulation of osteosarcoma
This study is evaluating the immunomodulating effect of LMTP along with single dose radiation to spontaneous canine osteosarcomas, including MRI/DCE-MRI assessment.
Kraft's Role: Co-investigator

2. Varian Biosynergy LaRue S (PI) 1/01/2006 – 1/01/2008 Awarded \$90,000
Alterations in tumor and normal tissue physiology following irradiation
This goal of this study is to evaluate normal tissue and tumor physiology post-irradiation, including use of MRI and DCE-MRI.
Kraft's Role: Co-investigator

3. USDA McKnight A (PI) 2/01/2005-11/20/2007 Awarded \$35, 624 (24,400 direct)
Use of MRI as a Detection Tool for Scrapie- Validation
This study is evaluating brain volume quantitation as a means to detect prion infection.
Kraft's Role: Co-Investigator

4. (Pending) CSU CVMBS College Research Council Kraft SL (PI) 07/01/2007 – 06/31/2008
Requested \$19,976; Comparative metabolic profiling of multicentric canine lymphoma by magnetic resonance spectroscopy and nuclear magnetic resonance

5. (Pending) American Kennel Club Kraft SL (PI) 07/01/2007 – 06/31/2009 Requested \$41,130
for Whole body MRI: A more sensitive method for cancer staging?
This study proposes whole body MRI of dogs with multicentric and metastatic cancer for staging.