

## **CURRICULUM VITAE**

**Theresa Welch Fossum, DVM, MS, PhD**

### **PRESENT POSITION AND ADDRESS:**

Title: Tom and Joan Read Chair in Veterinary Surgery  
Director and Founder, Texas A&M Institute for Preclinical Studies  
Director, Cardiothoracic Surgery and Biomedical Devices,  
Michael E. DeBakey Institute  
Professor, Surgery

Office: Department of Small Animal Medicine And Surgery      Phone: (979) 845-3374  
College of Veterinary Medicine      FAX: (979) 845-9055  
Texas A&M University      Email: tfossum@cvm.tamu.edu  
4474-TAMU  
College Station, TX 77843-4474

Home: 4920 Firestone Dr.      Phone: (979) 690-8407  
College Station, Texas 77845

### **PERSONAL DATA:**

Date of Birth: July 21, 1957  
Place of Birth: Douglas, Wyoming  
Marital Status: Married  
Spouse: Matthew W Miller, DVM, MS  
Diplomate, ACVIM (Cardiology)  
Children: Chase Matthew Miller, born 12-12-92  
Kobe Augustus Miller, born 10-29-95

### **EDUCATION:**

<b><u>Degree/Training</u></b>	<b><u>Conferring Institution</u></b>	<b><u>Year</u></b>
<i>BS, Agriculture:</i>	University of Idaho Moscow, Idaho Magna Cum Laude	June, 1979
<i>DVM:</i>	College of Veterinary Medicine Washington State University Pullman, Washington Cum Laude	June, 1982
<i>Internship: (Medicine &amp; Surgery)</i>	Santa Cruz Veterinary Hospital 2585 Soquel Drive Santa Cruz, California 95061	July, 1982 - June, 1983
<i>Residency:</i>	College of Veterinary Medicine The Ohio State University 1935 Coffey Road Columbus, Ohio 43210	July 1, 1983 - June 30, 1986

<i>MS: Veterinary Anatomy</i>	The Ohio State University Department of Veterinary Anatomy 1900 Coffey Road Columbus, Ohio 43210	Conferred June, 1986
<i>Diplomate, American College Veterinary Surgeons</i>		February, 1987
<i>PhD: Veterinary Microbiology</i>	Texas A&M University Department of Veterinary Microbiology College Station, Texas 77843	Conferred December, 1992

**PROFESSIONAL EXPERIENCE AND ACADEMIC APPOINTMENTS:**

**Current Position:**

Tom and Joan Read Chair in Veterinary Surgery  
Director and Founder, Texas Institute for Preclinical Studies  
Director, Clinical Programs, Cardiothoracic Surgery and Biomedical Devices, Michael E. DeBakey Institute  
Professor of Surgery  
Department of Small Animal Clinical Sciences  
College of Veterinary Medicine  
Texas A&M University  
College Station, Texas 77843-4474

Founder and President  
CARE Foundation (Clinical Animal Registration and Education)  
[www.careanimalfoundation.org](http://www.careanimalfoundation.org)

**Professional Employment:**

1982 - 1983	Intern, Santa Cruz Veterinary Hospital Santa Cruz, California 95061
1983 - 1986	Graduate Research Associate and Clinical Instructor Resident in Small Animal Surgery Department of Veterinary Clinical Sciences The Ohio State University Columbus, Ohio 43210
1986 - 1987	Assistant Professor Department of Veterinary Clinical Sciences College of Veterinary Medicine The Ohio State University Columbus, Ohio 43210

July, 1987 April, 1993	Assistant Professor Department of Small Animal Medicine & Surgery College of Veterinary Medicine Texas A&M University College Station, Texas 77843
April, 1993 September 1999	Associate Professor (Tenured) Department of Small Animal Medicine & Surgery College of Veterinary Medicine Texas A&M University College Station, Texas 77843
January, 1996 August 2001	Chief of Surgery Department of Small Animal Medicine & Surgery College of Veterinary Medicine Texas A&M University College Station, Texas 77843
1994-1997	Wiley Distinguished Professor of Veterinary Medicine Texas A&M University College Station, Texas 77843
September 1999 March 2001	Professor and Chief of Surgery Department of Small Animal Medicine & Surgery College of Veterinary Medicine Texas A&M University College Station, Texas 77843
March, 2001 to present	Tom and Joan Read Chair in Veterinary Surgery Department of Small Animal Medicine & Surgery College of Veterinary Medicine Texas A&M University College Station, Texas 77843
May 2007 to present	Director and Founder, Texas A&M Institute for Preclinical Studies 800 Raymond Stotzer Drive Texas A&M University

**CLINICAL SPECIALTY/BOARD CERTIFICATION:**

**Board Certification:**

American College of Veterinary Surgery, 1987

**Veterinary Licenses:**

Washington  
California

Idaho  
Oregon

Texas (#7468)

## **PATENTS**

Methods of treating endothelial dysfunction 60/846418 (patent pending – Filed Sept 22nd, 2006)

Thermally insulated intelligent sleeve container for controllably dispensing medication #22008 (patent pending- Filed May 3, 2007) Application number 12114267

Thrombin Peptides and uses in Smooth Muscle 61/070,877 (patent pending, filed March 26, 2008)

Method of treating peripheral artery disease 61/070,878 (patent pending, filed March 26, 2008)

## **AWARDS AND HONORS:**

Texas A&M University System Innovator of the Year Award, OTC, April 4, 2008

Master of Ceremony, Texas A&M University Institute for Preclinical Studies, Groundbreaking, March 28, 2008

Ohio State University, Distinguished Alumni Award, 2007

Continuing Education Presenter of the Year, Western States Veterinary Conference, 2007.

First Distinguished Lecturer – Pensinger Endowed Lecture Series on Comparative Medicine – University of Illinois, Translational Medicine: Challenges and Opportunities facing Veterinarians, October 21, 2005

Texas Society for Biomedical Research Distinguished Service award, 2004, in recognition and appreciation for many years of dedicated serve to the science, research and medical communities in the State of Texas

Ethel Ashworth-Tsutsui Memorial Lecturer, November, 2003

President, Veterinary and Comparative Respiratory Society, 2003

Tom & Joan Read Chair in Veterinary Surgery, 2001

Intern, Center to Leadership in Higher Education Administration. One of six participants in an intensive program designed to develop leadership and administrative capabilities at a "system" level. May 11, 1998  
B May 26, 1999, Texas A&M University System

Carl J. Norden Distinguished Teacher Award, Texas A&M University, 1998

American Veterinary Medical Foundation and American Kennel Club - recipient of *Excellence in Canine Research Award*, 1997

Wiley Distinguished Teaching Professorship in Veterinary Medicine, Texas A&M University, 1994-1997  
"On the Leading Edge". An article highlighting my research in chylothorax. Published in *Perspectives*, 1994;1:40-44

"Excellence in Teaching". A videotape made by the public-relations department at Texas A&M University, featured teacher, for national publication, involved interviews with myself, students, and residents regarding my teaching, June, 1993

Richard H. Davis Teaching Award, Texas A&M University, 1992, "For an early-career faculty member who has shown outstanding ability, interest, and promise as a teacher"

Center for Teaching Excellence Scholar Award, Texas A&M University, 1991-1992

MSD AGVET Creativity in Teaching Award, Texas A&M University, 1991

H&R Block, National Scholastic Achievement Award - 1975, 1976, 1977

Delta Delta Delta Outstanding Freshman Scholarship, University of Idaho - 1976

Jacob Monson Scholarship, College of Agriculture - 1976

Potlatch Forest Inc. Scholarship Award for Outstanding Scholastic Achievement - 1975, 1976

University of Idaho Bookstore Scholarship - 1976

National Elks Outstanding Senior Scholarship Award - 1975

Women's Business Auxiliary Outstanding Senior Student Award - 1975

Rotary International Foreign Exchange Student (New Zealand) - 1973-1974

Phi Zeta  
Alpha Zeta  
Dean's List 1975-1982  
DVM degree, Washington State University, *cum laude*, 1982  
Bachelor of Science with Highest Honors, University of Idaho, 1979

**EDITORIAL BOARDS:**

*American J of Veterinary Research*  
2004 - present

*Veterinary Surgery*  
1989-1992  
1999-present

*J American Animal Hospital Association*  
1992 - present

*J American Veterinary Medical Association*  
1987 - present

*Canadian Veterinary Journal*  
1995, 1997

*Heart and Vessels, Japan*  
1997

**OTHER BOARDS:**

Texas Nanotechnology Ventures, Scientific Advisory Board, 2007 - present  
Animal Innovations, Advisory Board, 2007-present  
HALSA Pharmaceuticals, Advisory Board, 2007-present  
AHA (Western Region) Scientific Review Board, 2007  
CorInnova, Scientific Advisory Board, College Station, TX, 2004 - present  
PhotoImmune Biotechnology, LLC, Scientific Advisory Board Member, Houston, TX, 2004 - present  
Founder and Chairman of the Board, CARE (Clinical Animal Research and Education) Foundation, 501(c)3  
Corp. Texas, 2004-present  
Board of Directors, National Space Biomedical Research Institute, Houston, TX, 2000 - present  
Board of Governors, Foundation for Biomedical Research, Washington. D.C. 2000 - present  
Affinity Pet Care, Advisory Council, Barcelona Spain, 2001 - present  
Surgical Advisory Board, Novartis Animal Health, 2003- present

**GRANT REVIEW COMMITTEES:**

ACVS  
AHA (Western Region)

**TEACHING EXPERIENCE:**

**Graduate Students:**

<u>Name</u>	<u>Degree</u>	<u>Institution</u>	<u>Advisor or Committee Member</u>	<u>Dates</u>
Dr. Carlos C. Hodges;	Master of Science,	Veterinary Clinical Sciences, Texas A&M University,	Committee chairman.	Completed - December 1990.
Dr. Darcie R. Palmer;	Master of Science,	Veterinary Clinical Sciences, Texas A&M University,	Committee chairman,	projected completion date, 1996.
Dr. Douglas A. Rohn;	PhD Physiology,	Texas A&M University,	Committee member and residency advisor,	projected completion date, 1996.
Dr. MaryAnn G. Radlinsky;	Master of Science,	Veterinary Clinical Sciences, Texas A&M University,	Committee chairman,	received May, 1996.
V. J. Vaidyanathan;	PhD, Bioengineering,	Texas A&M University,	Committee member.	Completed May - 1998.
Thaddeus Serpa;	Master of Science;	Bioengineering,; Texas A&M University;	Co-chair;	Completed 2000.
Dr. Wendy Baltzer,	PhD, Veterinary Physiology,	Co- chair, Texas A&M University,	Completed,	2003.
Dr. Naris Thengchaisri,	PhD, Medical Physiology,	Co- chair, Texas A&M University,	Completed	2004
Dr. Nandini Duraiswamy,	Master's Degree,	BioEngineering, Member Texas A&M University,	Completed ,	August, 2000
Lori Makarski,	Master's Degree – Vet Medicine,	Chair, Texas A&M University,	Completed,	2004
Dr. Brian Saunders,	PhD – Medical Physiology,	Co-Chair, Texas A&M University,	Completed,	2005
Dr. Ady Perez,	MS, Department of Small Animal Clinical Sciences,	Chair, Texas A&M University,	Projected completion date,	2007
Ryan Farmer,	Department of Small Animal Clinical Sciences,	Chair, Texas A&M University,	Projected completion date,	2007
Dr. Natash Popvich,	Department of Medical Physiology,	Texas A&M University,	Member,	Projected completion date, 2008
Stephanie Hebst,	Dept. of Physiology and Pharmacooogy,	Texas A&M University,	Member,	Projected completion date, 2008

**Residents/Interns/Postdoctoral Fellows:**

<u>Name</u>	<u>Institution</u>	<u>Advisor or Committee Member</u>	<u>Dates</u>
Thomas A. VanGundy	Texas A&M University	Member	1985-1988
Stuart Johnson	Texas A&M University	Member	1986-1989
Carlos C. Hodges	Texas A&M University	Advisor	1987-1990
Susan R. Yanoff	Texas A&M University	Member	1988-1991
Lisa M. Butler	Texas A&M University	Member	1988-1991
Darcie R. Palmer	Texas A&M University	Advisor	1989-1992
Darryl A. McDonald	Texas A&M University	Member	1990-1993
Bert R. Shelley	Texas A&M University	Member	1991-1994
Douglas A. Rohn	Texas A&M University	Advisor	1991-1996
Janice L. Buback	Texas A&M University	Member	1992-1995

MaryAnn G. Radlinsky	Texas A&M University	Advisor	1993-1996
R.C. Hart	Texas A&M University	Member	1994-1997
Mark J. Davis	Texas A&M University	Member	1995-1998
Richard M. Jerram	Texas A&M University	Advisor	1996-1999
Joanne N. Franks	Texas A&M University	Member	1997-2000
Eileen P. Snakard	Texas A&M University	Advisor	1998-2001
John T. Peacock	Texas A&M University	Advisor	1999-2002
Ursula Krotscheck	Texas A&M University	Member	2000-2003
Bianca Hettlich	Texas A&M University	Member	2001-2004
Wendy Baltzer	Texas A&M University	Advisor	2002-2005
Jennifer Au	Texas A&M University	Member	2003-2006
Brian Saunders	Texas A&M University	Advisor	2006-2010

### **TEACHING PROGRAMS:**

#### **Books Edited:**

Fossum TW (ed), Hedlund C, Hulse D, Johnson A, Seim HB, Willard MB, Carroll, G. *Small Animal Surgery*. Mosby Publishing Co., St. Louis, Mo, 1997.

Fossum TW (ed), Hedlund C, Hulse D, Johnson A, Seim HB, Willard MB, Carroll, G. *Manual of Small Animal Surgery*. Mosby Publishing Co., St. Louis, MO, 1999.

Fossum TW (ed), Hedlund C, Hulse D, Johnson A, Seim HB, Willard MB, Carroll, G. *Small Animal Surgery*. 2<sup>nd</sup> ed. Harcourt Health Sciences., Philadelphia, Pa, 2002. NOTE: this is the best selling title in Veterinary Medicine at Elsevier

Fossum TW (ed), Hedlund C, Johnson A, Seim HB, Shulz K, Willard MB, Carroll, G. *Small Animal Surgery*. 3<sup>rd</sup> ed. Harcourt Health Sciences., Philadelphia, Pa, 2007.

#### **Audiotutorial Programs:**

##### ***Videotapes:***

Birchard SJ, Fossum TW: "Thoracotomy and lung lobectomy in the dog." The Ohio State University, 1985.

Fossum TW: Exploratory laparotomy, 1998.

Fossum TW: Chest tube placement, 1998.

Fossum TW: Enteral hyperalimentation, 1998.

Fossum TW: Pericardiectomy, 1998.

Fossum TW and Willard MW: Nutritional management of the surgical patient – with videotapes of 4 procedures, 2007 Affinity PetCARE

##### ***Slide sets:***

Fossum TW: Management of pleural effusion: general principles and techniques. 1996.

Fossum TW: Management of pleural effusion: diagnosis and treatment. 1996.

Fossum TW: Surgical treatment of chronic otitis externa in the dog. 1997.

**TEACHING RESPONSIBILITIES:**

**Teaching developmental seminars and workshops:**

Clinical Educator's Course. University of Illinois, Champagne-Urbana, IL, September 10-13, 1989.  
(participant).

Member of AVMA task force to develop criterion referencing format for the National Board Examination.  
Chicago, IL, November 1-3, 1989.

Teaching Improvement Seminar Workshop. Texas A&M University, February 24-25, 1990. (participant).

Problem Based Learning Seminar at Bowman-Grey Medical School. Greensboro, NC, May 8-12, 1990.  
(participant).

Clinical faculty retreat. Problem-based learning. Texas A&M University, College Station, TX, May 25, 1990.  
(organizer).

Participated in National Board Examination Item Writing Workshop. College Station, TX, May 30-May 31,  
1990.

Teaching Improvement Seminar Workshop. Louisiana State University, Baton Rouge, LA, July 31-August 3,  
1990. (participant).

Attended, by invitation, an assessment center program that is used to hire faculty members for the RECEP  
program at Regis College. Denver, CO, August 11-13, 1990.

Building Bridges across the TAMU System in Math and Science Education (invited representative from  
College of Veterinary Medicine). College Station, TX, January 21, 1991. (participant).

Evaluating Student Performance in Clinical Settings. Workshop. Office of Educational Resources; The  
University of Texas Health Science Center, San Antonio, TX, January 24 & 25, 1991. (participant).

Student American Veterinary Medical Association, Advisor meeting. Attended meeting as one of two  
advisors from Texas A&M University. Attended seminars and discussion workshops on improving  
veterinary medical education and leadership qualities. Madison, WI, March 20-22, 1991 (participant).

Evaluation Workshop Held at McMaster's University School of Medicine. Attended workshops and lectures  
on evaluating students in a problem based curriculum, including writing modified essay questions, the  
"triple jump", and the OSCE (objective scored clinical examination). Interviewed faculty members,  
students and staff regarding McMaster's problem learning curriculum. Hamilton, Ontario, Canada, April  
28-May 2, 1991. (participant).

Clinical teaching workshop and seminar "Improving faculty-student interactions in the clinical setting" and  
"Making judgements about clinical performance". Presented by John D. Littlefield, Educational  
Psychologist from the University of Texas Health Science Center at San Antonio, August 23, 1991  
(organizer).



- Teaching Portfolio Workshop. Presented by Dr. Peter Seldin. This workshop was designed to familiarize participants with the uses and value of a teaching portfolio. Each participant developed their own portfolio, with the help and guidance of experts in the educational field. Texas A&M University, June 1-5, 1992. (participant).
- Improving the effectiveness of Clinical Teaching and Evaluation methods. Presented by Dr. David Irby. This seminar included an hour presentation on clinical evaluation, 2 hours on incorporating problem-based learning into traditional curricula, and 2 hours on increasing the effectiveness of providing feedback to students. October 23, 1992. (organizer).
- Student American Veterinary Medical Association, Advisor meeting. Attended meeting as one of two advisors from Texas A&M University. Attended seminars and discussion workshops on improving veterinary medical education. Auburn, AL, March 12-13, 1993 (participant).
- Evaluation of student performance workshop. Presented by Dr. Luis Branda of McMaster's University. This 8 hour seminar involved discussion of methods that could be used to evaluate students in a problem based format where the primary teaching modality was a traditional lecture format. The problem-based curriculum at McMaster's was also discussed. Texas A&M University, May 26-27, 1993 (participant).
- Young Scholars' Summer Intern program. Served as a mentor for a high school student interested in a career in veterinary medicine. The student attended rounds and observed surgeries with me. I also attended special seminars on student guidance provided by the University. July 12-August 6, 1993.
- Improving teaching in the clinical setting. Presented by Peter A. Cohen, PhD; Baylor College of Dentistry. This 3 day seminar was designed to 1) help clinicians improve student critical thinking skills, 2) to allow participants to examine appropriate methods for evaluating students in a clinical setting (including critical feedback skills), and 3) to improve evaluate methods for clinical faculty. Dallas, Texas. February 4 - 6, 1994 (participant).
- Student American Veterinary Medical Association, Advisor meeting. Attended meeting as one of two advisors from Texas A&M University. Attended seminars and discussion workshops on improving veterinary medical education and leadership qualities. Schaumburg, Illinois March 10-12, 1995 (participant).
- Managing your economic future. Attended meeting as faculty advisor representative of SCAVMA. Meeting discussed financial impact of student loans on veterinary education as well as numerous other topics dealing with the economics of veterinary practice in today's changing world. Chicago, IL, April 1996.
- How to teach evidence based medicine. Attended meeting as a participant. Course was designed to teach people to critically evaluate the literature and use evidence in making clinical decisions. McMasters University, Hamilton, ON June 6-14, 1996.
- Student American Veterinary Medical Association, Advisor meeting. Attended meeting as the senior advisor from Texas A&M University. Attended seminars and discussion workshops and served as committee chairman on improving veterinary medical education and leadership qualities. Purdue University, West Lafayette, IN March 14-16, 1997 (participant).

**Texas A&M University:**

***Lecturer:***

VMID 930 Integumentary Course for 3rd year students. "Basic anatomy and histology of skin"; "Skin grafts and skin flaps"; "Surgery of specific skin disorders"; "Management of the burn patient." Department of Small Animal Medicine and Surgery, Texas A&M University, 1987 (4 hours), 1988 (4 hours) 1989 (4 hours) 1990 (4 hours) 1991 (4 hours), 1992 (4 hours), 1993 (4 hours), 1994 (4 hours), 1995 (4 hours)

VMID 685 Surgical Anatomy. Department of Small Animal Medicine and Surgery, Texas A&M University, 1989 (5 hours).

VMID 937 Cardiovascular, Respiratory and Hemolymphatic Systems Course for 3rd year students - specific small animal respiratory diseases and surgery of the respiratory system. Department of Small Animal Medicine and Surgery, Texas A&M University, 1988 (3 hours); 1989 (4 hours). 1990 (4 hours), 1991 (4 hours), 1992 (5 hours), 1993 (5 hours), 1994 (4 hours), 1995 (4 hours), 1996 (4 hours), 1997 (4 hours), 1998 (5 hours), 1999 (5 hours), 2000 (5 hours), 2001 (6 hours) 2002 (6 hours). 2003 (6 hours) 2004 (6 hours).

VMID 923 Introduction to Surgery for 2nd year students. "Antibiotics", "Perioperative Management of the surgical patient", "Patient Preparation"; 1991 (4 hours), 1992 (4 hours), 1993 (4 hours), 1994 (4 hours), 1995 (3 hours), 1996 (3 hours), 1997 (3 hours). 1998 (3 hours) 1999 (3 hours), 2000 (3 hours), 2001 (3 hours). 2002 (3 hours), 2003 (3 hours), 2004 (3 hours). 2005 (3 hours), 2006 (3 hours), 2007 (2 hours), 2008 (2 hours)

VMID 689 Teaching in a Veterinary Medical Setting. "Evaluation of Clinical Teaching" and "Clinical teaching - Improving Problem-solving", 1991 (6 Hours), 1993 (6 hours).

VMID 955 – Respiratory lectures in core medicine course 6 hours – 2002, 2003, 2004, 2005, 2006, 2007, 2008

***Laboratory Instructor and Lecturer:***

VMID 685 Surgical Anatomy. Department of Small Animal Medicine and Surgery, Texas A&M University, 1989 (10 hours).

VMID 935 Operative Techniques in Small Animal Surgery, (Junior Surgery Laboratory Course). "Salivary gland excision and tooth extraction"; "Thoracotomy"; "Intestinal resection and anastomosis" "Lateral ear resection", "Gastrotomy, pyloroplasty and liver biopsy" Texas A&M University, 1987-1988 (40 hours), 1988-1989 (60 hours), 1989-1990 (40 hours), 1990-1991 (20 hours), 1991-1992 (40 hours), 1992-1993 (40 hours), 1993-1994 (20 hours), 1994-1995 (20 hours), 1995-1996 (20 hours), 1996-1997 (20 hours). 1997-1998 (20 hours). 1998 (20 hours).

VMID 923 Introduction to Surgery for 2nd year students. "Patient Preparation", Skin Laceration repair", 1991 (24 hours), 1992 (24 hours), 1993 (24 hours), 1994 (24 hours), 1995 (24 hours), 1996 (14 hours), 1997 (14 hours). 1998 (14 hours).

**The Ohio State University (1986-1987):**

***Lecturer:***

V.C. 628 Small Animal Surgery Core Course. "Surgery of the Spleen and Pancreas"; "Surgery of the Stomach and Pylorus"; "Surgery of the Bladder"; "Joint Diseases"; "OCD, UAP, FCP"; "Hip Luxations"; "Shoulder Luxations & Elbow Luxations." Department of Veterinary Clinical Sciences, The Ohio State University, 1986 (5 hours).

620 Operative Techniques in Small Animal Surgery, (Junior Surgery Laboratory Course), "GI Surgery"; "Thoracic Surgery," Department of Veterinary Clinical Sciences, The Ohio State University, 1983, 1984, 1985, 1986.

Senior surgery students - orthopedic conference. "Osteomyelitis." Department of Veterinary Clinical Sciences, The Ohio State University, 1985.

VM Coll 794.10 Surgical Anatomy. "Clinical correlations of the cardiovascular system, liver, and GI tract"; "Clinical correlations of the thoracic cavity." Department of Veterinary Anatomy, The Ohio State University, 1984, 1985.

VMS Coll 628 Small Animal Surgery, Sophomore Orientation Course. "Surgical Nutrition." Department of Veterinary Clinical Sciences, The Ohio State University, 1984, 1985, 1986.

**Washington State University (1979-1981):**

Teaching assistant for Veterinary Anatomy and Veterinary Histology 1979, 1980, 1981.

**University of Idaho (1977):**

Teaching assistant, Genetics and Breeding.

**Short Courses Taught:**

Laboratory Instructor and Lecturer  
ASIF Orthopedic Short Course  
Columbus, Ohio 43210  
1984, 1985, 1986, 1987  
The Ohio State University  
March 25, 1985

"Emergency Procedures"  
March 12, 1986  
Laboratory Instructor  
Student AVMA Convention  
The Ohio State University  
Columbus, Ohio, 43210

Laboratory Instructor and Lecturer  
Student AVMA Convention

"Emergency Procedures"  
Texas A&M University  
March 13, 1990

Laboratory Instructor  
Veterinary Professional Quest Summer meeting  
"Thoracic surgery"  
Jackson Hole, Wyoming  
July 5 - 15, 1991

### **RESEARCH/SCHOLARLY ACTIVITIES:**

#### **Research Activities (Funded Projects Listed Only):**

1. Experimental obstruction of the cranial thoracic duct in the dog. Canine Research Funding, The Ohio State University. Principal investigator, February, 1984. \$2,500
2. Cholesterol and triglyceride levels in chylous and nonchylous pleural effusions. American Animal Hospital Association Research Funding, The Ohio State University. Principal investigator, February, 1985. \$4,000
3. Hematologic, biochemical, and cytologic parameters in experimental chylothorax. American Animal Hospital Association Research Funding, The Ohio State University. Principal investigator, March, 1985. \$2,000
4. Lymphangiographic evaluation of experimentally induced chylothorax in dogs after ligation of the cranial vena cava. American Animal Hospital Association Research Funding, The Ohio State University. Principal investigator, March, 1985. \$8,000
5. Master's Project: Morphology of the canine thoracic duct. A study using light, scanning electron and transmission electron microscopy. The Ohio State University. Committee Chair, J. Marais, April, 1985. \$10,000
6. The effect of fat loading for lymphangiography on the diagnosis of intestinal lymphangiectasia in the dog. The Ohio State University research development fund, The Ohio State University. Principal investigator, February, 1987. \$2,500
7. A model for intestinal lymphangiectasia in the dog. Research enhancement funds, Texas A&M University. Principal investigator, December 9, 1987. \$4,000
8. Pleural fluid pH, pCO<sub>2</sub> and pO<sub>2</sub> in the diagnosis of canine and feline pleural effusions. Research funds, Texas A&M University. Co-investigator, August 28, 1988. \$1,500
9. Evaluation of the effects of Carrington dermal wound gel on the healing of superficial wounds in guinea pigs. Carrington laboratories. Co-investigator, January, 1988. \$93,390
10. Evaluation of thoracic duct to venous shunting for the treatment of chylothorax in dogs. Research enhancement funds, Texas A&M University. Principal investigator, November 15, 1988. \$3,000

11. Validation of canine fecal alpha-1-antitrypsin assay. American Veterinary Medical Association Research Foundation. Principal investigator, December 9, 1988. \$14,362
12. Evaluation of a canine model for post-traumatic osteomyelitis. Beecham Laboratories. Principal investigator, July, 1989. \$13,642
13. Effect of diet on spontaneous gastrointestinal disease in the dog. Iams company. Co-investigator, December, 1989. \$83,307
14. Pilot study assessing methods to improve clinical teaching and evaluation methods. College of Veterinary Medicine Enhancement Grant. Principal investigator, November, 1989. \$25,000
15. Lymphoscintigraphic evaluation of the canine thoracic duct. Starr Funds, Texas A&M University. Co-Principal investigator, November, 1989. \$10,000
16. Clinical evaluation of canine fecal alpha-1-antitrypsin assay. Morris Animal Foundation. Principal investigator, November, 1989. \$46,741
17. Phase II: Methods to improve teaching and faculty evaluation in the clinical setting. CVM Enhancement Grant. Co-Principal investigator, October, 1990. \$16,789
18. Clinical research initiative: Improving the quality and quantity of clinical studies in veterinary medicine. CVM Enhancement Grant. Principal investigator, October, 1990. \$46,765
19. Effects of early neutering on a humane shelter population of dogs. Morris Animal Foundation. Principal investigator, August, 1991. Proposal approved but not funded. \$73,000
20. A study to develop and validate clinical teaching evaluation methods. CVM Enhancement Grant. Co-Principal investigator, September, 1991. \$11,462
21. A proposal for a faculty development program for clinical faculty. CVM Enhancement Grant. Co-Principal investigator, September, 1991. \$18,732
22. National symposium on veterinary clinical research. CVM Enhancement Grant. Co-Principal investigator, September, 1991. \$25,000
23. Promotion of Cooperative Learning in Veterinary Medicine. Center for Teaching Excellence, Texas A&M University. Principal investigator, November, 1991. \$5,000
24. Effect of dietary oligosaccharides in German Shepherd dogs with spontaneous small intestinal bacterial overgrowth. Iam's Company. Co-investigator, December, 1991. \$81,180
25. Evaluation of a balloon expandable stent for treatment of tracheal collapse in dogs. Starr Funds. Co-Principal investigator with Dr. MaryAnn Radlinsky, 1994-1996. \$14,586
26. Department of Energy - Center for Excellence for Medical Laser Applications. Co-investigator with Dr. S. Rastegar on renewal (TAMU, College of Engineering). This is a multicenter project with University of Texas - M.D. Anderson Cancer Center as the lead institution. Other participants include UTMB (Galveston), UT-Austin, Rice University, and the Naval research lab, March 1994. \$150,000

27. Modulation of cardiac, renal, and humoral function with natural endopeptidase inhibition in an experimental model of progressive left ventricular dysfunction. Co-investigator, Dr. M. Miller (PI). Bayer Corporation, 1995 - 1997. \$60,000
28. A Multidisciplinary Program in Biomedical Optics. Co-investigator, Dr. S. Rastegar (PI). National Science Foundation. Jan 1996 - Dec. 1998. \$300,000.00
29. Modulation of cardiac, renal, and humoral function with natural endopeptidase inhibition in an experimental model of progressive left ventricular dysfunction. Co-investigator, Dr. M. Miller (PI). Bayer Corporation, 1997-1999, \$387,192.00
30. Evaluation of pleurodesis as a treatment for pneumothorax in dogs. Co-principal investigator with Dr. Richard Jerram, Starr Funds, 1996-1999, \$16,456.00
31. In vivo evaluation of the DeBakey left ventricular assist device in a calf model. Principal investigator, Micromed Corp., 1997-2000, \$888,174.35
32. Evaluation of a novel glucose sensing device in pigs B Phase I. Principal investigator, Bio Tex Corp, 1998-1999, \$13,894.00
33. Vascular Remodeling and Hypertension. Co-investigator. Interdisciplinary Research Initiatives Program; Texas A&M University; Office of the Associate Provost and Vice President for Graduate Student Affairs 1999-2000, \$25,000.00
34. Cooled-Tip Laser Catheter for Ablation of Ventricular Tachycardia B Phase I. Co-principal investigator, Bio Tex (SBIR-NIH), 1999-2001, \$29,975.00
35. Smart Fluorescent Polymer Based Tattoo for Optical Glucose Monitoring B Phase I. Principal investigator, Bio Tex (SBIR-NIH), 1999-2001, \$19,260.00
36. Pharmacokinetics and pharmacodynamics of intrathecal morphine in calves undergoing thoracotomy for ventricular assist device placement. Co-investigator, American College of Laboratory Animal Medicine Foundation. July 1999-July 2,000, \$7,790.00
37. Determination of Serum Glucose Concentration Using an Interstitial Fluid-Transcutaneous port in a Porcine Model. Principal-investigator, BioTex (SBIR-NIH), July 1999-July 2002, \$60,124.87
38. Federal Initiative, TAMU. Michael E. DeBakey Institute for the Comparative Study of Cardiovascular Disease and Biomedical Devices. 2001-2002, \$500,000.00.
39. Development of a Smart Fluorescent Polymer Based Tattoo for use as a hypoglycemic alarm B Phase I. Principal investigator, Bio Tex (NIH subcontract), 2000-2002, \$21,940.00
40. Angiogenic effects of TP508 in a chronic coronary artery occlusion model in pigs. Pilot Study. Principal investigator TW Fossum, MW Miller, A Bahr, B. Berridge. MicroMed Tech, October 1999-October 2001, \$70,205.00.

41. Angiogenic effects of TP508 in a chronic coronary artery occlusion model in pigs. Principal investigator, TW Fossum, M W Miller, A Bahr, B. Berridge Micromed Tech. Inc., October 2000-August 2003, \$120,000.
42. HistoMechanics & Biology of Remodeling in Hypertension. Co-Principal investigator, Humphrey JD, Miller MW, Watson E, Kuo L, Davis R, Stallone J. NIH, September, 2001- September, 2006; \$2,144,895.00 1R01 HL64372-01A1
43. Cooled tip laser catheter for ablation of ventricular tachycardia Phase II. Co-investigator. Miller MW, Snakard E. NIH: Small Business Innovative Research Grants, July 2000 - December, 2003 \$122,000.
44. The use of imagery in teaching surgical skills to medical students. Co-investigator with Chuck Saunders and Janine Edwards. Scott and White Clinic and College of Medicine, TAMU Educational Grant. Sept 2001 – December 2002, \$44,500.00.
45. Federal Initiative, TAMU. Michael E. DeBakey Institute for the Comparative Study of Cardiovascular Disease and Biomedical Devices. 2002-2003, \$500,000.00.
46. Federal Initiative, TAMU. Michael E. DeBakey Institute for the Comparative Study of Cardiovascular Disease and Biomedical Devices 2003- 2004, \$800,000.00.
47. Phase I. Evaluation of a novel drug for anticoagulation. Trigen Unlimited, London, England, \$92,000 August 2004-January 2005.
48. Phase II. Evaluation of a novel drug for anticoagulation. Trigen Unlimited, London, England, \$76,910, August 2004- September 2005.
49. Stem cells in dogs with spontaneous dilated cardiomyopathy – Fossum TW (PI); Doberman Pinscher Society - \$10,000; Baylor College of Medicine - \$30,000 . August 2004 – August 2005. \$40,000.
50. Evaluation of novel glucose sensing device. Fossum, TW (PI); \$24,929.00. Subcontract to sponsor - BioTex Inc. Houston, TX, August 2004 – December 2005 Prime funding source - NIH grant 1R43 DK067754-01.
51. Cardiac Mechanobiology in Ventricular Growth, Remodeling, and Recovery, American Heart Association Scientist Development Award - J Criscione (PI), Collaborating investigator, June 2004 – June 2008, \$260,000.00
52. Assessment of DeBakey Institute for GLP compliance, T. Fossum (PI), Vice President’s Office for Research, October 2004 – January 2005, \$5,000
53. Evaluation of a novel coronary stent. James Moore (PI), subcontract – collaborator, \$230,000. August 2005 – August 2007.
54. Proactive Modulation of Strain for Ventricular Recovery, NIH-STTR – Fast Track. Phase 1. T. Fossum (PI), \$ 100,000 March 2005 – March 2006
55. Evaluation of a novel ventricular assist device – Heartware, Inc. – T Fossum (PI) – \$80,000.00 September 1, 2005 – September 1, 2006.

56. Evaluation of a miniaturized ventricular assist device – Heartware, Inc. – T. Fossum (PI) – \$220,000.00. November, 2005 – Nov. 2007.
57. Proactive Modulation of Strain for Ventricular Recovery. T Fossum PI, \$850K total, Funded by: NIH, STTR Fast-Track Award NHLBI, July 2006-July 2009.
58. Cardiac Mechnobiology in Ventricular Growth – Emerging Technology Funds – J Criscione (PI), \$500,000 June 2006.
59. Design and testing of a novel injector gun, Animal Innovations, 247,000, T. Fossum (PI) Feb 2007.
60. Evaluation of a novel agent for surviving blood loss, 1,232,000 T. Fossum, (Co-I), Pilot Study, Phase I and Phase II. DARPA, awarded April 2007.
61. Texas Institute for Preclinical Studies (Founder) – 47 M Permanent University Funds, TAMU; 6 million ETF funds (state of Texas); 2.5 million Research Valley Partnership; 1.5 M TxDOT, 2007-2009.
62. Federal Initiative, TAMU. Michael E. DeBakey Institute for the Comparative Study of Cardiovascular Disease and Biomedical Devices. 2006, PI, requested \$1,000,000.00; received \$300,000.
63. Evaluation of fatigue resistance in Alaskan Sled dogs as a model to improve peak soldier performance, DARPA, PI, \$300,000 August 2007 –August 2008.
64. Apollo Endosurgery: Project CASTRO IN-VIVO PROTOCOL, Apollo Endosurgery, LLC. Co-PI, Michael D. Willard PI; \$68,254.00 August 2007 – August 2008
65. Predictive Serum Biomarkers for Canine Endurance Exercise, ACORN grant (Canine Health Foundation, Co-PI; MS Davis (PI), 12,649.00 December 07- December 08.
66. Evaluation of a Valproic acid for surviving blood loss, 754,000 T. Fossum, (Co-I), DARPA, Jan 2008

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*Manuscripts in preparation*

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19. Zhang C, Hein TW, Wang W, Fossum TW, Humphrey JD, Kuo L. Hypertension impairs NO-mediated dilation of coronary arterioles by upregulation of endothelial arginase. American Heart Association, Chicago, Nov. 2002.
20. Fossum TW, Miller MW, Hobson HP: Pericardiectomy for the treatment of chylothorax in 5 dogs and 2 cats. American College of Veterinary Surgeons, San Diego CA, October 19, 2002.
21. Van Walsum K, Edwards JC, Sanders CV, Sadoski M, Bramson R, Wiprud R, Fossum TW. Cognitive and Affective Predictors of Surgical Skill in a Collaborative Learning Environment. Annual Meeting of the American Educational Research Association, Chicago, April 21-25<sup>th</sup>, 2003.
22. Makarski L, Hein TW, Zhang C, Thengshaisri N, Kuo L, Mertens M, , Miller W, Bahr A, Longnecker M, Carney D, Fossum TW: Effects of thrombin peptide TP508 on microvascular function following myocardial ischemia. FASEB annual meeting, San Diego, CA, April 11-15<sup>th</sup>, 2003
22. Zhang C, Wang W, Humphrey JD, Mertens M, Fossum TW, Kuo L. Hypertension decreases NO-mediated dilation of coronary arterioles: roles of protein kinase C, p38 mitogen-activated protein kinase and NADPH oxidase. American Heart Association Annual Meeting, Orlando, 2003.



23. Fossum TW: Thoracic duct ligation and pericardectomy for treatment of chylothorax. American College of Veterinary Surgeons Annual Meeting, October 2004.
24. Nelson DA, Fossum TW: Subaortic stenosis: treatment with septal resection through a right ventriculotomy, American College of Veterinary Surgeons Annual Meeting, October 2004.
25. Zhang C, Hein TW, Wang W, Fossum TW, Humphrey JD, Kuo, L. Hypertension Impairs NO-mediated dilation of coronary arterioles by upregulation of endothelial arginase. American Heart Association Annual Meeting, 2004.
26. Popovic N, Neiger JD Chowdury U, Jamroz RC, Miller MW, Fossum TW, J.D. Humphrey JD and Wilson E. Microarray analysis of pressure-induced gene expression changes in a pig aortic coarctation model, Annual FASEB meeting 3 November 2004.
27. Chahwala S, Kennedy A, Dupe R, Nelson, D, Chander C, Fossum TW: A Successful Anticoagulant Profile of TGN 255 Evaluated During Cardiac Surgery Involving Cardiopulmonary Bypass, Trigen American Heart Association Annual meeting, October 2005
28. Chahwala S, Kennedy A, Dupe R, Nelson, D, Chander C, Fossum TW: TGN 255 During Cardiac Surgery Involving Cardiopulmonary Bypass, Trigen TCT xx.
29. Popovic N, Neiger JD, Chowdhry U, Jamoz RC, Miller M, Fossum TW, Humphrey JD, Wilson E. Molecular changes in hypertensive vascular remodeling. AHA, November, 2005.
30. Sanders C, Sadoski M, van Walsum K, Bramson R, Wiprud R: Learning Basic Surgical Skills with Mental Imagery. 2007 CREOG & APGO Annual Meeting in Salt Lake City, Utah: "Innovations in Medical Education: Achieving your potential."
31. Biswas S, Nelson DA, Miller MW, Fossum TW, Criscione JC, Minimally invasive cardiac assist device that restores motion. AHA Annual meeting, November 3, 2007.
32. Germinario S, Rios A, Quesada J, Anderson D, Goldstein A, Fossum T, Spira B, Wainberg M: Development of a Preventive HIV Vaccine: A New Approach by Photo-labeling and Inactivation of HIV-1 Reverse Transcriptase. 16th Conference on Retroviruses and Opportunistic Infections (CROI 2009), Montreal, Canada. Feb 8-11<sup>th</sup>, 2009.

**Book Chapters:**

1. Birchard SJ, Fossum TW. Chylothorax in the dog and cat. *Vet Clinics of North America Small Animal Practice*. March, 1987;17(2),271-283.
2. Fossum TW, Birchard SJ. Surgical treatment of chylothorax in the dog. In: Bojrab MJ, ed. *Current Techniques in Small Animal Surgery*. 3rd ed., Lea and Febiger, Philadelphia, 1989:534-540.
3. Fossum TW. Lymph node biopsy. In: Bojrab, MJ, ed. *Current Techniques in Small Animal Surgery*. 3rd ed., Lea and Febiger, Philadelphia, 1989:540-543.

4. Birchard SJ, Fossum TW, Gallagher L. Pleurodesis. In: Kirk RW, ed. *Current Veterinary Therapy X - Small Animal Practice*. W.B. Saunders Co., Philadelphia, 1989:405-408.
5. Fossum TW, Birchard SJ. Chylothorax. In: Kirk RW, ed. *Current Veterinary Therapy X - Small Animal Practice*. W.B. Saunders Co., Philadelphia, 1989:393-399.
6. Fossum TW. Chylothorax in the cat. *The Veterinary Annual*, 30th Issue, 1990:298-308.
7. Miller MW, Fossum TW. Pericardial disease: Diagnosis and treatment. In: Bonagura JD, ed. *Current Veterinary Therapy XI - Small Animal Practice*. W.B. Saunders Co., Philadelphia, 1992:725-731.
8. Fossum TW, Bonagura JD. Pleural effusion. In: Birchard SJ, Sherding RM, eds. *Manual of Small Animal Practice*. W.B. Saunders Co., Philadelphia, pp. 580-586.
9. Fossum TW. Pleural cavity diseases. In: Morgan, RV. *Handbook of Small Animal Practice*. 2nd ed. Churchill Livingstone Inc., New York, 1992:215-228.
10. Fossum TW. Feline chylothorax. In: *Feline Medicine and Surgery in Practice, the Compendium Collection*. Veterinary Learning Systems, Trenton, NJ, 1992:332-343.
11. Fossum TW. Thoracic wall and sternum: disruptions and deformities. In: Bojrab MJ, ed. *Pathophysiology of Small Animal Surgery*. 2nd ed., Lea and Febiger, Philadelphia, 1993:411-416.
12. Fossum TW, Rogers KS. Lymphatics and lymph nodes. In: Slatter DH, ed. *Textbook of Small Animal Surgery*. 2nd ed., W.B. Saunders Co., Philadelphia, 1993:962-973.
13. Fossum TW, Rogers KS. Respiratory oncology. In: Slatter DH, ed. *Textbook of Small Animal Surgery*. 2nd ed., W.B. Saunders Co., Philadelphia, 1993:2231-2244.
14. Fossum TW, Relford RL. Pleural effusion: physical, biochemical and cytologic parameters. In: August JA, ed. *Consultations in Feline Medicine*. 2nd ed., W.B. Saunders Co., Philadelphia, 1994:287-297.
15. Fossum TW, Willard MD. Diseases of the biliary system. In: Ettinger SJ, ed. *Textbook of Veterinary Internal Medicine*. 4th ed., W.B. Saunders Co., Philadelphia, 1995:1393-1398.
16. Moon, M, Fossum TW. Lung lobe torsion. In: Bonagura JD, ed. *Current Veterinary Therapy XII - Small Animal Practice*. W.B. Saunders Co., Philadelphia, 1995:919-921.
17. Fossum TW. Chylothorax. In: Tilley LP, Smith FWK, ed. *5 Minute Veterinary Consultant*. Williams and Wilkins, 1996.
18. Fossum TW. Pectus excavatum. In: Bojrab MJ, ed. *Current Techniques in Small Animal Surgery*. 4th ed., Williams and Wilkins, Baltimore, MD, 1997.
19. Fossum TW. Chylothorax. In: Bojrab MJ, ed. *Current Techniques in Small Animal Surgery*. 4th ed., Williams and Wilkins, Baltimore, MD, 1997.
20. Fossum TW. Lymph node biopsy. In: Bojrab MJ, ed. *Current Techniques in Small Animal Surgery*. 4th ed., Williams and Wilkins, Baltimore, MD, 1997.

21. Fossum TW. Pleural cavity diseases. In: Morgan, RV. *Handbook of Small Animal Practice*. 3rd ed. Churchill Livingstone Inc., New York, pp. 191-204, 1997.
22. Hawkins E, Fossum TW. Disease of the pleural cavity. In: Bonagura JD, ed. *Current Veterinary Therapy XIII - Small Animal Practice*. W.B. Saunders Co., Philadelphia, submitted March 1997.
23. Seim HB, Fossum TW. Principles of surgical asepsis. In: Pratt PW. *Principles and Practice of Veterinary Technology*. Mosby Publishing Co., St. Louis, 1997.
24. Fossum TW, Seim HB. Preparation of the operative site and surgical team. In: *Pratt PW. Principles and Practice of Veterinary Technology*. Mosby Publishing Co., St. Louis, 1997.
25. Fossum TW. Surgical instruments. In: Pratt PW. *Principles and Practice of Veterinary Technology*. Mosby Publishing Co., St. Louis, 1997.
26. Fossum TW. Wound closure and hemostasis. In: Pratt PW. *Principles and Practice of Veterinary Technology*. Mosby Publishing Co., St. Louis, 1997.
27. Fossum TW. Management of common abdominal emergencies in dogs. In: *Surgical Assistance for Veterinary Technicians*. VLS books, Trenton, N.J., 1997.
28. Fossum TW. Life-saving emergency procedures. In: *Surgical Assistance for Veterinary Technicians*. VLS books, Trenton, N.J., 1997.
29. Fossum TW. Chylothorax. In: Tilley LP, Smith FWK, ed 2. *5 Minute Veterinary Consultant*. Williams and Wilkins, submitted 1997.
30. Willard MD, Fossum TW. Diseases of the biliary system. In: Ettinger SJ, ed. *Textbook of Veterinary Internal Medicine*. 5th ed., W.B. Saunders Co., Philadelphia, 2000;p1340-1344.
31. Fossum TW. Pleural cavity diseases. In: Ettinger SJ, ed. *Textbook of Veterinary Internal Medicine*. 5th ed., W.B. Saunders Co., Philadelphia, 2000;p1098-1111.
32. Fossum TW. Manual of Small Animal Surgery. Fossum TW (ed). Mosby Publishing Co. 1999.
33. Fossum TW. Chylothorax In: August JA, ed. *Consultations in Feline Medicine*. 3<sup>rd</sup> ed. W.B. Saunders Co., Philadelphia, 2000
34. Fossum TW. Chylothorax. In: King L, ed. *Textbook of Respiratory Disease in the Dog and Cat*. W.B. Saunders Co., Philadelphia, 2003
35. Merten MM, Fossum TW. Pleural and extrapleural diseases. In, Ettinger, ed. *Small Animal Medicine*, W.B. Saunders Co., Philadelphia, 2004
36. Willard MD, Fossum TW. Diseases of the gallbladder and extrahepatic biliary system. In: Ettinger SJ, ed. *Textbook of Veterinary Internal Medicine*. 6th ed., W.B. Saunders Co., Philadelphia, 2004.

37. Fossum TW. Chylothorax In: August JA, ed. *Consultations in Feline Medicine*. 4<sup>th</sup> ed. W.B. Saunders Co., Philadelphia, 2005
38. Hawkins E, Fossum TW: Current Veterinary Therapy XV. Diseases of the pleural cavity, Elsevier Publishing, Philadelphia, Pa, 2005.
39. Willard MD, Fossum TW: Diseases of the Liver: Biliary Disorders - Extra Hepatic. In: Ettinger SJ, ed. *Textbook of Veterinary Internal Medicine*. 6th ed., W.B. Saunders Co., Philadelphia, 2008.

**Non-Refereed Publications:**

***Invited Publications:***

1. Fossum TW. Feline chylothorax. Kal Kan Symposium, Columbus, Ohio. Proceedings of the 12th Annual Symposium, Feline Medicine, 1988;97-104.
2. Fossum TW. Protein-losing enteropathy. *Seminars in Veterinary Medicine and Surgery (Small Animal)*, 1989;4:219-225.
3. Fossum TW. Chylothorax: recent advances and new perspectives. *Veterinary Medicine Report*, Mosby Publishing Company, 1989;1:300-308.
4. Butler LM, Fossum TW, Boothe HW. Surgical management of extrahepatic portosystemic shunts in the dog and cat. *Seminars in Veterinary Medicine and Surgery (Small Animal)*, 1990;5:127-133.
5. Fossum TW. Pleural effusion. Waltham International Focus, published by Veterinary Learning Systems (translated into 16 languages), 1991;1:15-21.
6. Fossum TW. Lifesaving emergency procedures. *Veterinary Technician*, 1993;14:143-146.
7. Fossum TW, Wellman M, Relford RL, Slater MR. Eosinophilic pleural or peritoneal effusions in dogs and cats: 14 cases (1986 - 1992). *Clinical Digest Series* (abstract invited by editor as outstanding in its field) September, 1993.
8. Fossum TW, Miller MW. Cor triatriatum and caval anomalies. *Seminars in Veterinary Medicine and Surgery (Small Animal)*. 1994;9:177-184.
9. Fossum TW. Canine and Feline Chylothorax. *Perspectives: A resource for women in Veterinary Medicine*. 1994;1:40-44.
10. Fossum TW. Exploratory laparotomy. Japanese lecture series, for translation into Japanese. January, 1996
11. Fossum TW. Management of pleural effusion: general principles and techniques. Japanese lecture series, for translation into Japanese. March, 1996
12. Fossum TW. Management of pleural effusion: diagnosis and treatment. Japanese lecture series, for translation into Japanese. March, 1996

13. Fossum TW. Surgical management of chronic otitis externa. Japanese lecture series, (for translation into Japanese). July, 1997
14. Fossum TW. Quilotorax: Es una entidad tratable? Selecciones Veterinarias. 1999;7:76-82.
15. Jerram MR, Fossum TW: Colapso traquel. Selecciones Veterinarias. 1999;7:86-90.
16. Fossum TW. Chylothorax: Is this disease really treatable? Bayer Selected Proceedings (1999 North American Veterinary Conference).
17. Fossum TW: Chylothorax: An update. Tech Mag. Vet Surg. InterZoo Publishing Co. Tokyo, Japan 7:3,2003 pp. 49-52.
18. Fossum TW: Pathophysiology of pleural effusion. Tech. Mag. Vet Surg. InterZoo Publishing Co. Tokyo, Japan 7:3,2003 pp. 14-20

#### **SERVICE ACTIVITIES:**

##### **Clinical Service:**

Cardiopulmonary bypass program for clinical patients - program development

##### **Professional Organizations and Service:**

American Society for Artificial Internal Organs  
American College of Veterinary Surgeons, Diplomate  
American Association of Veterinary Clinicians  
American Veterinary Medical Association  
American Animal Hospital Association  
Veterinary Cancer Society  
Washington State Veterinary Medical Association  
California Veterinary Medical Association  
Society of Phi Zeta  
American Veterinary Laser Society

##### **Major Committee Assignments:**

###### ***Texas A&M University System***

Co-chair (Chair for TAMUS) for Texas Alliance for Nanotechnology; Council of 8; 4 members from TAMUS and 4 from UTS; charged by Governor with determining the need and direction for a State Nanotechnology Laboratories in Texas; allocated 6 M for new ventures

Co-chair (Chair for TAMUS) – Texas Research and Commercialization Council. Developed technology roadmap for Texas including thrust areas for research.

**Departmental:**

***Texas A&M University:***

Department Head Search Committee (Vet Anatomy)  
1995

Director, Surgery Residency Program  
1997 -2002

Section Chief B Surgery  
1997 - 2003

Departmental Hospital Fee Committee  
1989, 1990

Departmental Manuscript Review  
ad hoc committee, 1989, 1990

Departmental Intern/Resident Committee  
1988-89, 1989-90

Departmental Internship Committee  
Chairman, 1989-1990  
member, 1990-1991

Departmental Surgery Residency Committee  
1989-1998

Departmental Surgery Fee Committee  
1988-1989 (Chairman)  
1989-1990 (Chairman)

Departmental Computer Advisory Committee  
1988, 1989, 1990

Departmental Research Advisory Council  
1987, 1988, 1989, 1990, 1991

**College:**

***Texas A&M University:***

College Admissions Committee (interviewer)  
1987, 1988, 1989, 1990

College Review Committee - Enhancement Grants  
1991

College Admissions Committee (member)  
1991-1992  
1993-1994

College Promotions IV Committee  
1991-1992

**University:**

***Texas A&M University:***

University Committee to select Brown Foundation-Earl Rudder Memorial Outstanding Student Award Recipients  
1992

Graduate Council Representative  
Ms. Zanowick - **Biology**, PhD candidate, 1991  
Mr. Lho - **Electrical Engineering**, PhD candidate, 1993  
Ms. Alicia Needham - **Adult and Extension**, PhD candidate, 1994-1995  
Mr. M. Edwards - **Chemical Engineering**, PhD candidate, 1998

University Committee - College of Veterinary Medicine Representative on the Medical Sciences Library Council  
1994-2007

***The Ohio State University:***

Animal Welfare Committee  
1986

**Professional:**

***National Committee Activities:***

Member of the Advisory Board B Veterinary Comparative Respiratory Society  
1998-2000

*American College of Veterinary Surgeons*  
Proctor, Oral Examination  
1988  
Residency Program Committee  
1989-1993

Symposium Committee (committee responsible for planning annual meeting). In charge of Special Sessions. 1997-2000.

Judge - Residents Seminar (ACVS)  
1989, 1990, 1992, 1997

Reviewer, *J Amer Vet Med Assoc*  
1987-2002

Reviewer, *Vet Surg*  
1989-1992

Reviewer, *J Am Anim Hosp Assoc*  
1992-1998

Reviewer, *Can Vet J*  
1995-1998

Reviewer, *Am J Vet Res*  
1995-1998

Representative to Trilateral Conference on Veterinary Medical Education. Held at AVMA headquarter in Chicago. Meeting attended by representatives from Mexico, Canada and the US. Issues dealt with included the impact of NAFTA on Veterinary Medical Education and veterinary licensure standards. March, 1994

Representative to "Globalization of Higher Education and the Professions: The case of North America" meeting held in Cancun, Mexico. The meeting was attended by representatives of 12 professions from Canada, Mexico, and the U.S. Determination of requirements for international licensure and accreditation was discussed. May, 1994

**Manuscript Review for Journals:**

*Veterinary Surgery*  
1989-1992  
1999-present

*J American Animal Hospital Association*  
1992 - present

*J American Veterinary Medical Association*  
1987 - present

*Canadian Veterinary Journal*  
1995, 1997

*Heart and Vessels, Japan*  
1997

**OTHER SCHOLARLY ACTIVITY:**

**Conferences, Symposia: Organized/Chaired:**



ACVS 1997-2000 Organized Special Sessions  
ACVS 2004 Organized Current Controversies in Soft Tissue Surgery section

**Professional Presentations (Invited Lectures):**

***International:***

Fossum TW. Nihon University College of Agriculture and Veterinary Medicine. Tokyo, Japan, November 26-29, 1990. 8 hours of lecture and 12 hours of wet-lab. "Pleural effusion", "Pacemaker implantation", "Diaphragmatic hernia", "Chest tubes and pleural drainage".

Fossum TW. Nagoya Veterinary Medical Association. Nagoya, Japan, November 17-22, 1990. 8 hours of lecture and 7 hours of wet lab. "Pleural effusion", "Pacemaker implantation", "Diaphragmatic hernia", "Chest tubes and pleural drainage".

Fossum TW. Osaka Veterinary Medical Association. Osaka, Japan, November 23-25, 1990. 8 hours of lecture and 7 hours of wet lab. "Pleural effusion", "Pacemaker implantation", "Diaphragmatic hernia", "Chest tubes and pleural drainage".

Fossum TW. Universidad Nacional Autonoma de Mexico. La Facultad de Medicina Veterinaria Y Zootecnia. La Seminario de la Cirugia. Mexico City, Mexico. November 16 -19, 1993. 20 hours of lecture on various surgery topics and 8 hours of laboratory practical.

Fossum TW. Asociacion Veterinaria Espanola de Especialistas en Pequeños Animales (AVEPA). Barcelona, Spain. November 1-4, 1996. 6.5 hours of lecture on various soft tissue topics.

Fossum TW. Curso de Anestesiología y Cirugía de Torax. Hospital Veterinario U.A.E.M., Toluca, Estado de Mexico. September 10, 11<sup>th</sup>, 1997. 8 hours of lecture on thoracic surgery.

Fossum TW. Soft tissue surgery in small animals. Sao Paulo, Brazil, October 19, 1997. Presented 8 hours of lecture to 530 participants.

Fossum TW. "Pleural effusion" and "Surgical diseases of the thorax and lung" 6 hours Voorjaarsdagen Annual International Veterinary Congress, Amsterdam, The Netherlands, April 24-26, 1998.

Fossum TW. The KVB Jubilee Refresher Course for Veterinarians, Melbourne, Australia, August 10-14, 1998. "Medical and Surgical Solutions >98". 10 hours of lecture on soft tissue surgery.

Fossum TW. XVI Congreso Anual AMVAC B Medicina y Cirugía Torácica, Madrid Small Veterinary Association Annual Meeting, Madrid Spain March 3 B 6, 1999 Presented 9 hours on Cardiovascular and thoracic surgery in small animals.

Fossum TW. European Society for Feline Medicine. Birmingham England April 7<sup>th</sup>, 1999. Presented 1 hour on "Lactescent pleural effusions in cats"

Fossum TW. British Small Animal Veterinary Association Annual Meeting, Birmingham, England April 8 - 11, 1999. Presented 7 hours on Soft tissue surgery including 3 hours of a specialists session on Upper Respiratory Disease.

Fossum TW. Octavas Jornados Veterinarias en pequenos animales. Buenos Aires, Argentina. April 26-27, 1999. Presented 6 hours on thoracic and gastrointestinal surgery in small animals.

Fossum TW. Second Irish Companion Animal Veterinary Conference. Dublin, Ireland. May 14-16, 1999. Presented 6.5 hours of lecture on various soft tissue topics.

Fossum TW. Japan Small Animal Hospital Association sponsored guest. Sapporo December 1-4, 1999. Presented 14 hours on soft tissue small animal.

Fossum TW. Japan Small Animal Hospital Association sponsored guest. Fukuoka, December 6-10, 1999. Presented 14 hours on soft tissue small animal.

Fossum TW. Japan Small Animal Hospital Association sponsored guest. Kyoto, December 12-16, 1999. Presented 21 hrs on soft tissue small animal.

Fossum TW. Japan Small Animal Hospital Association sponsored guest. Tokyo, December 16-20, 1999. Presented 21 hrs on soft tissue small animal.

Fossum TW. British Columbia Veterinary Medical Association Annual Meeting. Victoria, BC. September 10-11, 1999

Fossum TW. Chirugia Toracica dei Carnivori Domestici. Centro Culturale AVULP Perugia, Italy. May 6-7, 2000. Presented 10 hours of lecture on cardiothoracic surgery.

Fossum TW. XXI Congresso Brasileiro de Clinicos Veterinarios de Pequenos Animais. Rio de Janeiro, Brazil. June 8 - 11, 2000. Presented 6 hours of lecture on soft tissue surgery.

Fossum TW. Veterinary Postgraduate Institute. Vancouver, B.C. October 20-22, 2000. Presented 14 hours of lecture on soft tissue surgery.

Fossum TW. Melbourne Veterinary Practitioner Board, Melbourne, Australia Nov 8, 2000. Presented 2 hours of lecture on "Respiratory Emergencies".

Fossum TW. Comparative Respiratory Society Annual Meeting, Melbourne, Australia Nov 6-9, 2000. Update on nasal disease in dogs".

Fossum TW: Society Cultural Veterinaria Small Animal 42<sup>nd</sup> annual Scientific conference, Milan, Italy March 1 - 4, 2001. Presented 9 hours on cardiothoracic surgery in small animals.

Aquirre M, Fossum TW: "Modelo experimental de hipertension en coarctacion aortica en la especie porcina: estudio de la circulacion colateral asociada a la coartacion: Universidad de las palmas de gran canaria, Departamento de Patologia Animal, Tesis doctoral, March 12, 2001.

Fossum TW: British Small Animal Veterinary Assoc, Cotswalds, England, June 8-10, 2001. Presented 10 hours on Abdominal Surgery.

Fossum TW: British Small Animal Veterinary Assoc, Surrey, England, June 15-16, 2001. Presented 10 hours on Thoracic Surgery.

- Fossum TW: Magno XXII Congresso ACVAMM 2001. Monterrey Mexico, August 4-6, 2001. Presented 9 hours of soft tissue surgery.
- Fossum TW: Finnish Veterinary Medical Association National Meeting. February 15-17<sup>th</sup>, 2002. Tampere, Finland. Presented 17 hours of soft tissue surgery.
- Fossum TW: Centro Culturale AVULP Perugia, Italy. Surgery of the Urinary Tract. April 12-14, 2002. Presented 8 hours of lecture.
- Fossum TW: Jornadas Internacionais de medicina veterinaria, Seminario de Vilar, Universidade do Porto, Porto, Portugal, September 28-30<sup>th</sup>, 2002. Presented 8 hours of lecture on soft tissue surgery.
- Fossum TW: World Small Animal Veterinary Congress, Granada, Spain, October 3-5<sup>th</sup>, 2002. Presented 3 hours of lecture on chylothorax, tracheal surgery, and pyothorax.
- Fossum TW: Pet Vet Continuing Education Veterinary Meeting, Tokyo, Japan, Nov 13, 14, 2002. Presented 12 hours on abdominal surgery.
- Fossum TW: Japan Association of Clinical Veterinary Medicine, Annual Meeting, Osaka, Japan Nov 17, 2002. Presented 3 hours of lecture on portosystemic shunts and analgesia of surgery patients.
- Fossum TW: Pet Vet Continuing Education Veterinary Meeting, Osaka, Japan, Nov 20, 21st, 2002. Presented 12 hours on cardiovascular and thoracic surgery.
- Fossum TW: Brompton and Hereford Hospitals London, Myocardial Recovery and angiogenic factors, Feb 8-12, 2003.
- Fossum TW: 10. Jubilejniho rocniku Mezinarodni Vystavy Veterinarni Farmacie A Techniky 10<sup>th</sup> anniversary. International Exhibition of Veterinary Pharmacy and Technology. Soft Tissue Surgery, presented 8 hours of lecture to veterinary practioners, Czech Republic, April 4, 2003.
- Fossum TW: 9<sup>th</sup> FECAVA (Federation of European Companion Animal Veterinary Associations) Congress and 12<sup>th</sup> APMVEAC (Associacao Portuguesa de Medicos Veterinarios Especialistas em Animais de Companhia) National Congress, Estoril, Portugal, Presented 12 hours on Soft Tissue Surgery, May 22-25, 2003.
- Fossum TW: International Veterinary Seminars, Hawaii Meeting, Kauai, Hawaii. June 23-27<sup>th</sup>, 2003. Presented 6 hours – “Update on Feline Surgery”.
- Fossum TW: Affinity Pet Care in conjunction with European College of Internal Veterinary Medicine, Stockholm, Sweden. September 4 – 6<sup>th</sup>, 2003. Presented 30 minutes on surgical complications associated with obesity.
- Fossum TW. AMVEPAEG, A.C. VIII Congreso de Medicina Veterinaria en Pequeñas Especies del Bajío, Leon Mexico. September 3-6<sup>th</sup>, 2003, Presented 10 hours on Soft Tissue Surgery.
- Fossum TW: 38 Congreso Nacional, AVEPA, Sevilla Spain, October 10-12, 2003. Presented 5 hours on cardiac and soft tissue surgery.

Fossum TW: 28<sup>th</sup> World Small Animal Veterinary Congress, Bangkok Thailand, October 25-27, 2003.  
Presented 3 hours of lecture on intestinal, cardiac, and respiratory surgery.

Fossum TW: XX Congreso Annual AMVAC, Madrid Small Animal Veterinary Association Annual Meeting, Madrid Spain, March 4 – 6, 2004, presented 10 hours on soft tissue surgery.

Fossum TW: Pet Vet Continuing Education Veterinary Meeting, Tokyo, Japan, Feb 20-21s, 2004. Presented 12 hours on abdominal and oncologic surgery.

Fossum TW: Pet Vet Continuing Education Veterinary Meeting, Osaka, Japan, Feb 27-28th, 2004. Presented 12 hours on cardiovascular, thoracic and hepatobiliary surgery.

Fossum TW: Australian Surgery Veterinary Society Annual Meeting, Melbourne, Australia, April 14-20<sup>th</sup>, 2004. Presented 10 hours of soft tissue surgery to surgery specialists.

Fossum TW: New Zealand Companion Animal Meeting, Taupo New Zealand, April 26-27<sup>th</sup>, 2004. Presented 4 hours on intestinal and abdominal surgery.

Fossum TW: International Veterinary Seminars, Key West Meeting, Key West, Florida. April 28<sup>th</sup>-30<sup>th</sup>.. Presented 8 hours – “Practical techniques in veterinary surgery”.

Fossum TW: 11. Jubilejniho rocniku Mezinarodni Vystavy Veterinarni Farmacie A Techniky 11<sup>th</sup> anniversary. International Exhibition of Veterinary Pharmacy and Technology. Soft Tissue Surgery, presented 8 hours of lecture to veterinary practitioners, Czech Republic, May 21 - 23, 2004.

Fossum TW: IV Conferencia Sul-Americana De Medicina Veterinaria, Pequenos Animals com o tema cirurgia abdominal, cirurgia toracica, Rio de Janeiro Brazil August 26-29<sup>th</sup>, 2004 Presented 8 hours.

Fossum TW. European College of Veterinary Internal Medicine, Barcelona, Spain. September 8, 2004. Presented 1 hour on “Chylothorax: State of the art”.

Fossum TW. Japanese Animal Hospital Association Specialist Meeting. Tokyo, Japan September 24-27, 2004, Presented 21 hours of lectures on soft tissue surgery.

Fossum TW. Japanese Animal Hospital Association Annual Meeting. Fukuoka, Japan October 1-3, 2004, Presented 16 hours of lectures on soft tissue surgery.

Fossum TW: Ordre des Medecins Veterinaires du Quebec (OMVQ) Annual Convention. St Hyacinthe, Quebec, October 15, 2004. Presented 6 hours of lecture on soft tissue surgery.

Fossum TW: Faculty of Veterinary Medicine, University of Torino, Torino, Italy. October 18, 2004 Presented 4 hours of lecture on cardiac surgery.

Fossum TW: Danish Veterinary Medical Association, Copenhagen, presented 12 hours on soft tissue surgery, Feb, 2005

Fossum TW. Jubilejniho rocniku Mezinarodni Vystavy Veterinarni Farmacie A Techniky 12<sup>th</sup> anniversary. International Exhibition of Veterinary Pharmacy and Technology. Soft Tissue Surgery, presented 8 hours

of lecture to veterinary practitioners and 6 hours of laboratory , Brno Czech Republic, April 20 - 23, 2005.

Fossum TW: 50<sup>th</sup> Congresso Nazionale Multisala, Societa Culturale Italiana Veterinari Per Animali Da Compagnia, Societa Federata Animvi, May 25 – 27<sup>th</sup>, 2005. Rimini, Italy, Presented 11 hours on soft tissue surgery to veterinary practitioners.

Fossum TW: Murdoch Veterinary Teaching School, Perth Australia, June 12, 2005. Presented 6 hours of soft tissue surgery to students, veterinary faculty, and practitioners.

Fossum TW: New Zealand Companion Animal Annual Meeting, Port Douglas, Australia, June 13-17<sup>th</sup>, 2005. Presented 10 hours on Surgical management of the emergency patient.

Fossum TW: European College of Veterinary Internal Medicine Annual Meeting, Glasgow, Scotland, Sept 1 – 4, 2005. Presented 1 hour on the CARE Foundation: opportunities for veterinary medicine in clinical trials.

Fossum TW: Japanese Veterinary Small Animal Working Group, Yokohama, Japan February 21-25<sup>th</sup>, 2006. Presented 4 hours on soft tissue surgery and 2 hours on the CARE Foundation: opportunities for veterinary medicine in clinical trials.

Fossum TW: Affinity Pet Care V<sup>th</sup> annual meeting. Mallorca, Spain. Sept 1-3<sup>rd</sup>, 2006. Presented 1 hour on surgical nutrition.

Fossum TW: WSAVA Emergency and Critical Care Session, Prague, Czech Republic, October 9-10<sup>th</sup>. 2006 Presented 4 hours on critical care of the surgery patient.

Fossum TW: World Small Animal Veterinary Association Annual Meeting. Prague, Czech Republic, October 11-14<sup>th</sup>, 2006. Chair of Soft Tissue session and presented 8 hours of lecture,

Fossum TW: CanWest Annual Meeting, October 15-17<sup>th</sup>, 2006. Whistler Canada, presented 6 hours on various surgery topics.

Fossum TW: Congreso PanVet 2006, Nov 5-9, 2006 Santiago, Chile. Presented 6 hours on Soft Tissue Surgery

Fossum TW: Northern Portugal Veterinary Annual Meeting, Porto, Portugal, Jan 4-8<sup>th</sup>, 2007. presented 3 hours on soft tissue surgery

Fossum TW: Aktualni temata v kardiologii malych zvirat, Brno Cz Republic, February 8<sup>th</sup>-12<sup>th</sup>, 2007. presented 2 hours of lecture and 4 hours of lab on cardiac surgery.

Fossum TW: Belgium Veterinary Association, Gent, Belgium, March 14-17, 2007. 12 hours of lecture and 6 hours of laboratory

Fossum TW: Swedish Veterinary Association Meeting, Canary Islands, Spain, March 19-20, 16 hours of lecture.

Fossum TW: Faculty of Veterinary Medicine, University of Torino, Torino, Italy. April 18 – 20<sup>th</sup>, 2007.  
Presented 4 hours of lecture on cardiac surgery.

Fossum TW: International Veterinary Seminars, Vancouver, BC. June 19-21, 2007. 8 hours of lecture on soft tissue surgery

Fossum TW: International Veterinary Seminars, Alaskan Cruise, June 23<sup>rd</sup> – 30<sup>th</sup>. Vancouver BC, Presented 8 hours on soft tissue surgery

Fossum TW: Congreso Nacional de Medicina Veterinaria en Pequenos Especies de Monterrey. July 19- 20<sup>th</sup>. 2007. Monterrey, Mexico. 8 hours of lecture on soft tissue surgery

Fossum TW: Eickemeyer Institute. Tuttliegen Germany. August 29-31<sup>st</sup>. Presented 8 hours of lecture and 6 hours of lab on Thoracic Surgery.

Fossum TW. AMVEPAEG, A.C. VIII Congreso de Medicina Veterinaria en Pequenas Especies del Bajio, Leon Mexico. September 3-6<sup>th</sup>, 2007, Presented 8 hours on Soft Tissue Surgery.

Fossum TW: Nihon University, Fugigawa, Japan. Presented 15 hours of lecture to 3<sup>rd</sup> and 4<sup>th</sup> year veterinary students. October 9-12, 2007.

Fossum TW: Affinity Pre-Congress, SEVC 2007, Barcelona, Spain. Presented 1 hour on “Nutrition of surgery patients”. October 17, 2007.

Fossum TW: Southern European Veterinary Conference, Barcelona, Spain. Presented 2 hours of lecture on soft tissue surgery, October 18-20<sup>th</sup>, 2007.

Fossum TW: Medicina y Cirugia del Sistema Endocrino y de la Reproduccion. Madrid, Spain, Presented 3 hours of lecture on soft tissue surgery. March 7 – 9, 2008.

Fossum TW: 9<sup>th</sup> Silesian Diagnostic Workshops. Krakow, Poland. Provided 6 hours of lab and 4 hours of lecture on thoracic surgery, April 10-12, 2008.

Fossum TW: International Veterinary Seminars, Kiawah Island, April 18-20<sup>th</sup>, Kiawah Island SC. Presented 5 hours on soft tissue surgery

Fossum TW: Western Canada Veterinary Medical Association, Edmonton, Canada, June 22<sup>nd</sup>, 2008.  
Presented 7 hours on soft tissue surgery

Fossum TW: 4<sup>th</sup> annual Paraveterinary and Veterinary Conference, Sun City, South Africa, July 6-9<sup>th</sup>, 2008.  
Presented 6 hours on soft tissue surgery and 1 hour on critical care

Fossum TW: 4<sup>ta</sup>s Jornadas Veterinarias Latinoamericanas del Interior, Rosario, Argentina, August 1-2<sup>nd</sup>, 2008. Presented 6 hours on soft tissue surgery.

Fossum TW: 23. VOK Jahrestagung. Surgery of the Hund and Katze, Salzburg, Austria, September 20-21, 2008. Presented 8 hours on cardiothoracic and abdominal surgery

Fossum TW: Patologica quirurgia de la cabeza, cuello y torax: Valencia, Spain. September 26-28, 2008.  
Presented 16 hours of lecture on cardiothoracic surgery

*National:*

Fossum TW. 16th Annual Orthopedics Basic Course (ASIF), Columbus, Ohio, 1985. "Infection following fracture repair".

Fossum TW. 17th Annual Orthopedics Basic Course (ASIF), Columbus, Ohio, 1986. "Infection following fracture repair".

Fossum TW. American College of Veterinary Surgeons - Annual Meeting, Orlando, Florida, February 26, 1986. "Lymphangiographic evaluation of experimentally induced chylothorax after ligation of the cranial vena cava in dogs".

Fossum TW. 18th Annual Orthopedics Advanced Course (ASIF), Columbus, Ohio, 1987. "The minifragment system" and "Infection following fracture repair".

Birchard SJ, Smeak DD, Fossum TW. American College of Veterinary Surgeons Annual Meeting, Tucson, Arizona, February 3, 1988. "Results of thoracic duct ligation in 15 dogs".

Fossum TW. Kal Kan Symposium. Columbus, Ohio, October 8-9, 1988. "Feline chylothorax".

Boudrieau RJ, Fossum TW, Hobson HP, Rudy RL. American College of Veterinary Surgeons, 24th Annual Meeting, Reno, Nevada, February 3-6, 1989. "Pectus excavatum in the dog and cat. Surgical correction using external splintage".

Fossum TW. American College of Veterinary Surgeons 17th Annual Veterinary Surgical Forum, Chicago, Illinois, October 22-24th, 1989. "Surgical management of diseases of the pleura and pleural space", "Diagnosis of pleural effusion", "Feline chylothorax", "Thoracic masses".

Hodges CC, Fossum TW, Komkov A, Hightower D. American College of Veterinary Surgeons, New Orleans, Louisiana, February 21, 1990. "Lymphoscintigraphic evaluation of the canine thoracic duct."  
**Judged "Best Resident Research Project"**.

Fossum TW. American College of Veterinary Surgeons Annual Meeting, Specialists Seminar, New Orleans, Louisiana, February 23, 1990. "Feline chylothorax: retrospective study of 37 cases (1968-1989)".

Fossum TW. Student Chapter of the American Veterinary Medical Association Annual National Symposium, College Station, Texas, March 13, 1990. "Peritonitis and open abdominal drainage".

Fossum TW. American Veterinary Medical Association National Meeting, San Antonio, Texas, July 24, 1990. "Peritonitis: update on diagnosis and treatment", "Feline pleural effusions", and "Oral tumors in the dog and cat".

Fossum TW. American College of Veterinary Surgeons 18th Annual Veterinary Surgical Forum, Chicago, Illinois, October 28-30th, 1990. "Esophageal disorders", "Diaphragmatic hernias", "Pyothorax", "Chylothorax", and "Chest tubes and pleural drainage".

- Fossum TW, Eastern States Veterinary Conference, Orlando, Florida, January 12-17th, 1991. "Biliary tract: surgical management", "Open abdominal drainage for peritonitis", "Intestinal surgery in hypoproteinemic patients", and "Protein losing enteropathies".
- Fossum TW. Veterinary Professional Quest Annual Summer Meeting, Jackson, Wyoming, July 5-15, 1991. "Open abdominal drainage and diagnosis of peritonitis", "Surgery in hypoproteinemic patients".
- Fossum TW. American College of Veterinary Surgeons 19th Annual Veterinary Surgical Forum, San Francisco, California, October 14-16th, 1991. "Pleural drainage techniques", "Pleural effusion", "Problems in veterinary surgery - chylothorax", "Feline chylothorax", and "Pectus excavatum".
- Fossum TW. Veterinary Professional Quest Annual Winter Meeting, Winter Park, Colorado, January 25-February 1, 1992. "How to prevent disasters in intestinal surgery", "Diaphragmatic hernias", "Oral tumors", "Gastric-dilatation volvulus", "Diagnosis and surgical management of esophageal disease".
- Fossum TW. Tenth Annual Veterinary Medical Forum. American College of Veterinary Internal Medicine, San Diego, California, May 1992. "Chylothorax in cats: an update on therapeutic options".
- Fossum TW. American Veterinary Medical Society Annual Meeting, Boston, Massachusetts, August 1-4, 1992. "Peritonitis: recent advances and new diagnostic techniques", "Pleural effusion: diagnostic and therapeutic considerations", "Life-saving emergency techniques for veterinary technicians", "Intestinal surgery in hypoproteinemic patients", "Diaphragmatic hernias", and "Making chest tubes safe and practical in veterinary hospitals".
- Fossum TW. American College of Veterinary Surgeons 20th Annual Veterinary Surgical Forum, Miami, Florida, November 1-4, 1992. "Pleural drainage techniques" and "Pleural effusion".
- Fossum TW. American College of Veterinary Surgeons 21st Annual Veterinary Surgical Forum, San Francisco, California, October 23-27, 1993. Poster session. Diagnostic relevance of finding eosinophilic pleural or peritoneal effusions in dogs and cats (14 cases).
- Fossum TW, Ruoff W. Veterinary Medical Education, 13th symposium. University of Illinois, June 6, 1994. Evaluation of Clinical Faculty: Presentation of research findings and techniques.
- Fossum TW. American College of Veterinary Surgeons 21st Annual Veterinary Surgical Forum, Washington D.C., October 15-19th, 1994. "Chylothorax: New perspectives", "Feline Chylothorax", "Managing abdominal emergencies for technicians" (2 hours), and "Pleural effusion-management".
- Fossum TW. The Seventh Annual Symposium on Advances in Clinical Veterinary Medicine. University of California, Davis, October 22 & 23rd, 1994. "Chylothorax: New perspectives", "Update of neoplasia of the respiratory tract", and "Pleural effusion - managing those difficult cases".
- Fossum TW. The 13th Annual Veterinary Medical Forum, Orlando, FL. May 16, 1995. "Chylothorax - New perspectives and cardiovascular implications".
- Radlinsky MA, Fossum TW, Walker M. American College of Veterinary Surgeons annual meeting, Chicago, IL, October 30, 1995. Evaluation of the Palmaz balloon-expandable stent in the trachea of normal dogs.



Fossum TW. International Veterinary Seminars. Vail, CO, January 17-24, 1996. 8 hours on cardiovascular and thoracic surgery.

Fossum TW. Western States Veterinary Conference. Las Vegas, NV, February 17-21, 1996.

Fossum TW. The 14th Annual Veterinary Medical Forum, San Antonio, TX. May 24, 1996. "Chylothorax - practical management of these difficult cases".

Fossum TW. Veterinary Professional Quest. Alaska, Sept 9 - 20, 1996. 15 hours of CE on various surgical topics.

Vaidyanathan V, Rastegar S, Fossum TW, Flores P, Van der Breggen EW, Egger NG, Jacques SL, Motamedi M. *In-vivo* kinetics of ALA-induced fluorescence in the canine oral cavity: Influence of drug dose and tissue type. Proceedings of Laser-Tissue Interaction VIII: 9-12 February 1997, San Jose, California.

Vaidyanathan V, Rastegar S, Fossum TW, Motamedi M. 15<sup>th</sup> Annual Houston Conference on Biomedical Engineering Research. *In-vivo* kinetics of ALA-induced fluorescence in the canine oral cavity: preliminary findings. Houston, TX. February 13-14, 1997.

Fossum TW. American Animal Hospital Association Annual Meeting, March 8 - 12, 1997, San Diego, CA. 3 hrs of CE on surgery in English and 4 hours translated for Japanese participants.

Fossum TW, Vaidyanathan V, Rastegar S, Flores P, Motamedi M. Clinical effects of 5-aminolevulinic acid in normal dogs. American Society for Lasers in Medicine and Surgery annual meeting. Phoenix Arizona, April 3-6, 1997.

Fossum TW. American Small Animal Practitioners continuing education seminar, Indianapolis, IN. April 19, 1997. Presented 8 hours of continuing education on various soft tissue topics.

Fossum TW. University of California, College of Veterinary Medicine, Invited lecturer. Presented one hour on chylothorax to faculty and residents, presented one hour of didactic lecture to 3<sup>rd</sup> year students, and attended and participated in grand rounds at the veterinary school. May 12-14, 1997.

Fossum TW, Vaidyanathan V, Rastegar S, Flores P, Motamedi M. American College of Veterinary Internal Medicine Annual Meeting. Effects of 5-aminolevulinic acid in dogs. May 23, 1997. Orlando, Florida.

Fossum TW: American Veterinary Medical Foundation, Excellence in Canine Research Award presentation. Chylothorax. Changing Perspectives. May 23, 1997. Orlando, Florida.

Fossum TW. American College of Veterinary Surgeons annual meeting, Orlando Florida, October 16-18th, 1997. Presented 2 hours of advanced lecture on Thoracic surgery.

Fossum TW. International Veterinary Seminars, Ft. Lauderdale, Fl. March 8-14, 1998. Presented 12 hours of soft tissue surgery

Fossum TW. American College of Veterinary Internal Medicine Annual Meeting. "Pleurodesis B State of the Art", "Tracheal Collapse B What's New" May 23-25, 1998. San Diego, California.

- Fossum TW. American Veterinary Medical Association Annual Meeting. Presented 6 hours on "Surgery of the intestinal tract". July 27-29, 1998. Baltimore, Maryland.
- Fossum TW. American College of Veterinary Surgeons Annual Meeting, Chicago Illinois, October 7-11th, 1998. Presented 3 hours of lecture on thoracic surgery and served on a panel discussion
- Fossum TW. Veterinary Postgraduate Institute, Seattle, WA, November 3 - 5, 1998. Presented 14 hours on various soft tissue surgery topics.
- Fossum TW. North American Veterinary Conference, Orlando Florida. Jan 8-11<sup>th</sup>, 1999  
Presented 7 hours on Soft Tissue Surgery.
- Fossum TW. Veterinary Postgraduate Institute, Monterrey CA, February 19-20, 1999. Presented 14 hours on various soft tissue surgery topics.
- Fossum TW. American Animal Hospital Association Annual Meeting, Denver, CO March 22-24, 1999.  
Presented 6 hours on respiratory and feline surgery.
- Fossum TW. Veterinary Postgraduate Institute, Phoenix, AZ. October 14, 15, 1999. Presented 14 hours on various soft tissue surgery topics.
- Fossum TW. American College of Veterinary Surgeons Annual Meeting, San Francisco CA. September 30-November 3, 1999. Presented 2 hours of lecture on pleural disease.
- Fossum TW. International Veterinary Seminar, Mystic Seaport, Connecticut. June 15-17, 2000 Presented 12 hours of lecture on soft tissue surgery.
- Fossum TW. New England Veterinary Medical Association, White Mountains, New Hampshire, Sept 12-14, 2000. Presented 6 hours of lecture on soft tissue surgery.
- Fossum TW. American College of Veterinary Surgeons Annual Meeting, Washington D.C. September 29-November 2, 2000. Presented 2 hours of lecture on pleural disease and GDV.
- Fossum TW. Western States Veterinary Conference, Las Vegas Nevada, Feb 12- 14, 2001. Presented 9 hours on small animal surgery.
- Fossum TW: North American Veterinary Conference, Orlando Florida, Jan 12-17, 2002. Presented 10 hours of lecture on various soft tissue surgery topics.
- Fossum TW: Cleveland Clinic Cardiology faculty. Presented 30 min on Cardiac Ischemia, VADs and Angiogenesis. Cleveland Ohio. February 8, 2002.
- Fossum TW: Fourth International Feline Symposium: Surgery of the cat. San Francisco, Ca. April 19-20, 2002. Presented 8 hours of lecture on various surgical topics.
- Fossum TW: American College of Veterinary Internal Medicine, Dallas, TX. May 29-June 1, 2002,  
Presented 1 hour on "Cardiothoracic Surgery: Where are we and where are we going?"

Fossum TW: Keynote Speaker, White Coat Ceremony Address – Washington State University, August 23, 2002. Pullman, Washington

Fossum TW: International Veterinary Emergency Critical Care Society, San Antonio, TX Sept 4 – 7, 2002. Presented 4 hours on Cardiopulmonary Bypass Surgery and Chylothorax.

Fossum TW: American College of Veterinary Surgeons Annual Meeting, San Diego, CA. October 17<sup>th</sup> – 20<sup>th</sup>, 2002. Presented 3 hours of lecture on pleural cavity disease, ventricular assist devices, and chyloous effusions.

Fossum TW: The Importance of Animal Research: Animals Benefit Too. Invited speaker, National Association for Biomedical Research meeting, 2003, Washington DC, February 23-25<sup>th</sup>, 2003

Fossum TW: International Seminars - Hawaii Veterinary Continuing Education Seminar, Maui, Hawaii, March 28<sup>th</sup> – April 3, 2003. Presented 7 hours of lecture on soft tissue surgery.

Fossum TW: North American Veterinary Conference, Orlando FL, January 16-19<sup>th</sup>, 2004. Presented 5 hours in Comparative Respiratory Section and 5 hours in Soft Tissue Surgery section.

Fossum TW: Clinical use and assessment of Chrysalin. OrthoLogic Corp.. Phoenix. Arizona, January 29<sup>th</sup>, 2004. Presented one hour update on TP508 treatment of chronic myocardial ischemia.

Fossum TW: American Association of Feline Practitioner's Annual Meeting, Whistler BC, February 6, 2004. Presented one hour on "Chylothorax: An update".

Fossum TW: University of Minnesota: Animal Worker Appreciation Day, Keynote Address, Minneapolis, MN, May 10, 2004.

Fossum TW: American Veterinary Medical Association Annual Meeting, The importance of animal research for animal health, Philadelphia, PA, July 25, 2004.

Fossum TW: Merck: Tribute to the animals, Keynote Address, Newark, NJ, September 14, 2004

Fossum TW: American College of Veterinary Internal Medicine Annual Meeting. June 4, 2005. Presented one hour on development of a cardiac certification registry and the CARE Foundation.

Fossum TW: International Veterinary Seminars - Continuing Education, Nantucket, Sept. 9-11, 2005. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: International Veterinary Seminars - Continuing Education, Napa, CA, Sept. 23-26, 2005. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: Atlantic Coast Veterinary Medicine Association, Atlantic City, NJ, Oct. 25-27, 2005. Presented 12 hours of lecture on soft tissue surgery.

Fossum TW: American College of Veterinary Internal Medicine Annual Meeting. May 31, 2006. Presented State of the Art lecture on Chylothorax.

Fossum TW: American College of Veterinary Surgeons annual meeting, October 4-7<sup>th</sup>, 2006, Washington DC, Presented 1 hour on Update of chylothorax.

Fossum TW: Smoky Mountain Veterinary Medical Association Annual Meeting, Asheville, N.C., Oct 19 - 21<sup>st</sup>, 2006, Presented 13 hours on small animal surgery and critical care.

Fossum TW: Western States Veterinary Conference, Las Vegas, NV. February 19-20<sup>th</sup>, 2007. presented 7 hours on soft tissue surgery

Fossum TW: Oregon State University, SCAVMA, April 4, 2007, Corvallis, Oregon. One Medicine: why research is important and what our options are.

Fossum TW: Connecticut Veterinary Medical Association Annual Meeting, May 10<sup>th</sup>, 2007, Presented 8 hours on soft tissue surgery.

Fossum TW: University of Pennsylvania – Translational Research Forum, May 31<sup>st</sup>, 2007. Presented keynote lecture at new forum.

Fossum TW: International Veterinary Emergency Critical Care Society, New Orleans, LA. Sept. 27-30, 2007. Presented 6 hours on lecture on soft tissue, including State of the Art lecture on New Interventions for Heart Failure” and “Designing Clinical Research Project (with Cindy Otto).

Fossum TW: Music City Veterinary Medical Association Annual Meeting, Nashville, TN, Jan 3-6, 2008. Presented 8 hours of lecture on soft tissue.

Fossum TW: Ohio State Veterinary Medical Association Annual Meeting, Columbus, OH. Presented 6 hours of lecture on soft tissue surgery. February 25<sup>th</sup>, 2008

Fossum TW: PacVet Veterinary Conference, San Francisco, Ca. June 25<sup>th</sup>- 27<sup>th</sup>, 2008. Presented 6 hours on soft tissue surgery

***Regional:***

Fossum TW. The Ohio Veterinary Medical Association Annual Meeting, Columbus, Ohio, 1984. "Medical and surgical treatment of chylothorax".

Fossum TW. West Virginia State Veterinary Association Spring Meeting, Charleston, West Virginia, 1984. "Update on the diagnosis and treatment of chylothorax".

Fossum TW. University of Georgia, Athens, Georgia, February 5, 1986. "Chylothorax: new diagnostic and therapeutic techniques".

Fossum TW. Lima Area Academy of Small Animal Medicine, Lima, Ohio, April 8, 1986. "General oncologic surgery".

Fossum TW. Tufts University, College of Veterinary Medicine, Grafton, Massachusetts, April 17, 1986. "Chylothorax in the dog".

Fossum TW. Auburn University, College of Veterinary Medicine, Auburn, Alabama, May 13, 1986. "New ideas on the etiopathogenesis of chylothorax".

Fossum TW. Texas A&M, College of Veterinary Medicine, College Station, Texas, November 16, 1986. "Chylothorax".

Fossum TW. Texas A&M Veterinary Homecoming CE, College Station, Texas, November 1, 1987. "Gastric dilation-volvulus".

Fossum TW. North Central Texas Veterinary Association, Waco, Texas, February 24, 1988. "Oral and nasal tumors in the dog and cat".

Fossum TW. Tarrant County Veterinary Medical Association Meeting, Fort Worth, Texas, April 21, 1988. 22 hours. "Mast cell tumors, peritonitis, feline hyperthyroidism, maxillectomy and mandibulectomy, and prostatic disease".

Fossum TW. Montgomery County Veterinary Association Continuing Education Seminar. July 23 & 24, 1988. 4 hours. "Feline Hyperthyroidism, oral tumors, surgery of the liver and biliary system" and "Feline pleural effusions".

Fossum TW. Technician seminar potpourri. Texas A&M University, College Station, Texas, August 7, 1988. 1 hour. "Respiratory emergencies".

Fossum TW. Texas Veterinary Medical Association Mini-Convention, Johnson Memorial Lecture, Austin, Texas. August 27, 1988. "Peritonitis: diagnosis and treatment".

Fossum TW. Capital Area Veterinary Medical Association Meeting, Austin, Texas, November 12 and 13, 1988. 3 hours. "Oral tumors in the cat", "Feline hyperthyroidism", "Feline pleural effusions", and "Diagnostic peritoneal lavage and open abdominal drainage".

Fossum TW. Feline Medicine and Surgery seminar, College Station, Texas, January 13-14, 1990. 2 hours. "Feline pleural effusions", "Feline hyperthyroidism".

Fossum TW. Southern Florida Veterinary Medical Association, Ft. Lauderdale, Florida, February 18, 1990. 7 hours. "Pleural effusion, diagnosis and therapeutic management", "Peritonitis, update on early diagnosis and treatment", "Surgery of the hepatobiliary tree", "Feline hyperthyroidism", "Medical and surgical management of portosystemic shunts", "Tumors of the thoracic cavity", "Surgery of upper respiratory anomalies".

Fossum TW. Houston Area Veterinary Medical Association Meeting, Houston, Texas, March 14th, 1991. "Management of pleural effusions" and " Peritonitis: update on new diagnostic and management principles".

Fossum TW. Tyler Area Veterinary Medical Association Meeting, Tyler, Texas, March 13th, 1991. "Management of pleural effusions" and " Peritonitis: update on new diagnostic and management principles".

Fossum TW. Capital Area Veterinary Medical Association Meeting, Austin, Texas. March 12th, 1991. "Management of pleural effusions" and " Peritonitis: update on new diagnostic and management principles".

Fossum TW. Texas Veterinary Medical Association Summer Meeting. August 17, 1991. "Intestinal surgery in hypoproteinemic patients".

Fossum TW. University of Pennsylvania, Philadelphia, Pennsylvania, March 10, 1992. "Lymphatic diseases in small animals".

Fossum TW. San Antonio Veterinary Medical Association Spring Meeting, San Marcos, Texas, April 3, 1992. "Biliary surgery", How to prevent disasters in abdominal surgery: open abdominal drainage and diagnostic peritoneal lavage", "Diaphragmatic hernias", "Gastric-dilatation-volvulus".

Fossum TW. Texas Veterinary Medical Association Annual Meeting, Austin, Texas, February 6-8, 1992. "Pleural effusion", "Treating the small animal patient with peritonitis", "Intestinal surgery in patients at risk".

Fossum TW. Texas Veterinary Medical Association Annual Meeting, Austin, Texas, February 5-8, 1993. "Diaphragmatic Hernias: Diagnosis and Treatment", "Peritonitis: New Diagnostic Techniques and Advances in Treatment", "Pleural Effusion: Diagnostic and Therapeutic Considerations".

Fossum TW. Montgomery County Veterinary Medical Association, Tomball, Texas, July 24, 1993. "Intestinal surgery: how to prevent peritonitis", "Peritonitis: diagnosis and therapy", "Diaphragmatic hernia", "Pleural effusion".

Fossum TW. Montgomery County Veterinary Medical Association, Tomball, Texas, July 24, 1993. Wet laboratory, "Surgical instruction".

Fossum TW. Seattle Veterinary Medical Association, Seattle, WA, August 2, 1995. 3 hours on pleural effusion and peritonitis.

Fossum TW. Colorado State Veterinary Medical Association Annual Meeting, Aspen, CO, September 20-25, 1995. 6.5 hours on various surgical topics.

Fossum TW. Washington State Veterinary Association Annual Meeting. Yakima, WA. Sept 27-30, 1996. 9 hours on various soft tissue surgery topics.

Fossum TW. Texas Veterinary Medical Association Fall Seminar Series, Oct 5 - 7, 1996. South Padre Island, TX. 6 hours on various soft tissue surgery topics.

Fossum TW. San Diego Veterinary Medical Association Spring seminar, April 12 - 13, 1997. San Diego, CA. 7 hours on various topics in surgery of the gastrointestinal tract.

Fossum TW. 44<sup>th</sup> Annual Hawaii State Veterinary Medical Association meeting, Honolulu, Hawaii. Nov 7-9th, 1997. Presented 11 hours of soft tissue surgery to American and Japanese Veterinarians.

Fossum TW. TAMU Emergency Medicine Seminar. November 21, 1997. "Surgical emergencies of the thorax". College Station, TX.

Fossum TW. Veterinary Medical Association of Bexar County Annual Meeting. Bandera, TX. April 19, 1998. Presented 2 hours on "Practical management of animals with pleural effusion".

Fossum TW. Tarrant County Veterinary Medical Association. Ft. Worth, TX. September 17, 1998. Presented 2 hours on "Peritonitis and intestinal surgery".

Fossum TW. Dallas Veterinary Medical Association. Dallas, TX. October 13, 1998. Presented 2.5 hours on "Tracheal collapse and upper respiratory disease in dogs, and Gastric dilatation volvulus B What's new? ".

Fossum TW: Cornell Veterinary College Annual Meeting. Ithaca, NY, March 19-20, 1999. Presented 6 hours of soft tissue surgery.

Fossum TW. TVMA Summer Meeting. Dallas, Texas. July 30, 1999.

Fossum TW. Dove Lewis Emergency Clinic Annual Meeting. Portland OR. September 17-18. Presented 7 hours of lecture and 4 hours of laboratory.

Fossum TW. North Carolina Veterinary Conference. Raleigh, NC. November 4-7, 1999. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW. West Houston Veterinary Medical Association, Houston, TX December 5, 2000. Presented 2 hours on "Intestinal surgery" and "GDV".

Fossum TW: DC Academy of Veterinary Medicine, Washington DC, Feb 1, 2001. Presented 7 hours on various soft tissue topics.

Fossum TW: Michigan Veterinary Specialists, Detroit Michigan, April 18 & 19<sup>th</sup>, 2001, Presented 4 hours of lecture on various soft tissue topics to veterinary practitioners and one hour to interns and resident.

Fossum TW: Coastal Bend Veterinary Association, Port Aransas, TX. Sept 14-16<sup>th</sup>, 2001. Presented 4 hours of CE on various soft tissue topics.

Fossum TW: Oklahoma State University Homecoming CE, Oct 4, 2001. Stillwater OK., Presented 6 hours of lecture on various soft tissue topics to veterinary practitioners and veterinary students.

Fossum TW: Univ. of Pittsburgh Cardiothoracic faculty. May 1, 2002. Presented 30 min on myocardial ischemia and TP508. Pittsburgh, Penn.

Fossum TW: Minnesota Veterinary Medical Association, Fall Conference, Minneapolis-St. Paul. February 1-2<sup>nd</sup>, 2002. Presented 8 hours of lecture on various soft tissue topics.

Fossum TW: Cleveland Clinic Cardiology faculty. Presented 30 min on Cardiac Ischemia, VADs and Angiogenesis. Cleveland Ohio. February 8, 2002.

Fossum TW: Southwest Veterinary Conference, Ft. Worth, Texas, February 10, 2002, Presented 3 hours of lecture on the cardiopulmonary bypass program.

Fossum TW: Maine Veterinary Medical Association Annual Meeting, Portland Maine, April 10, 2002.  
Presented 8 hours on various surgical topics.

Fossum TW: Golden State Veterinary Conference, Las Vegas, Nevada. May 6 and 7<sup>th</sup>, 2002. Presented 6 hours on various surgical topics.

Fossum TW: Southeastern Veterinary Medical Association Annual Meeting. June 14 – 15, 2002, Myrtle Beach, South Carolina. Presented 8 hours on soft tissue surgery

Fossum TW: Buffalo Academy of Veterinary Medical Practitioners, Buffalo, NY, March 6<sup>th</sup>-7<sup>th</sup>, 2003.  
Presented 5 hours of lecture on soft tissue surgery.

Fossum TW: Texas Academy of Veterinary Practice Annual Meeting, Cancun, Mexico, June 13-15<sup>th</sup>, 2003.  
Presented 8 hours of lecture on soft tissue surgery

Fossum TW: California Veterinary Medical Association Annual Meeting, Anaheim, CA, June 20-22, 2003.  
Presented 8 hours of lecture to veterinarians and 4 hours to technicians.

Fossum TW: Arizona Veterinary Medical Association Annual Meeting, August 1-3<sup>rd</sup>, Sedona, Arizona.  
Presented 7 hours on various soft tissue topics.

Fossum TW: Chicago Veterinary Medical Association Meeting, Chicago, Illinois, September 9-10, 2003.  
Presented 10 hours of lecture on various soft tissue topics.

Fossum TW: St. Petersburg Veterinary Medical Association, St. Petersburg, Fl. Sponsored by Temedco, Nov 17, 2003, Presented 2 hours of lecture on Gastric dilatation volvulus.

Fossum TW: Mid-South Regional Veterinary Medical Association Meeting, Tunica, Mississippi, December 12, 2003. Presented 8 hours on various soft tissue topics.

Fossum TW: Southeastern Michigan Veterinary Medical Association Annual Meeting, Detroit Michigan, December 17, 2003. Presented 8 hours on various soft tissue topics.

Fossum TW: Texas Veterinary Medical Association Annual Meeting: College Station, TX, February 28, 2004: Presented 2 hours on “Cardiovascular surgery: What’s the future hold?”

Fossum TW: Cleveland Veterinary Medical Association: Cleveland, OH. April 6<sup>th</sup>, 2004, Presented 6 hours on various soft tissue topics.

Fossum TW: Coastal Bend Veterinary Association, Port Aransas, TX. Sept 14-16<sup>th</sup>, 2004. Presented 4 hours of CE on various soft tissue topics.

Fossum TW: Delaware County Veterinary Medical Association Regional Meeting. Philadelphia, PA. April 10, 2005. Presented 8 hours of CE on various soft tissue topics.

Fossum TW: New Jersey Veterinary Medical Association Meeting. Newark, NJ May 18, 2005. Presented 2 hours of CE on “Surgical management of the acute abdomen”.

Fossum TW: Harris County Veterinary Medical Association, Houston, TX, Feb 9<sup>th</sup>, 2006, presented 2 hours



on "Management of Animals with Acute Abdomens.

Fossum TW: Denver Area Veterinary Medical Association, Denver, CO, September 21, 2006. Presented 5 hours on soft tissue surgery.

***Local:***

Fossum TW. Washington State University Senior's Conference, Pullman, Washington, 1982. "Use of the force plate as a means of quantitatively evaluating ataxia in the equine wobbler".

Fossum TW. Toledo Veterinary Medical Group, Toledo, Ohio, 1984. "General principles of oncologic surgery".

Fossum TW. The Columbus Emergency Group, Columbus, Ohio, 1985. "Principles of general oncologic surgery for the veterinary practitioner".

Fossum TW. 2nd District Veterinary Association Meeting, Troy, Ohio, 1985. "Osteomyelitis in the canine".

Fossum TW. Summit County Veterinary Medical Association Meeting, Akron, Ohio, 1985. "General oncologic surgery".

Fossum TW. Brazos County Veterinary Medical Association, College Station, Texas, November 5, 1987. "Peritonitis and open abdominal drainage".

Fossum TW. Feline Practitioners Student Chapter, TAMU, November 1, 1989. "Feline chylothorax".

Fossum TW. McAllen Veterinary Association, McAllen, Texas, January 8, 1990. "Update on the diagnosis and management of peritonitis".

Fossum TW. Student Chapter of American Animal Hospital Association, TAMU, January 21, 1992. "Pleural effusion".

Fossum TW. Lion's Club. June 4, 2002. Ventricular Assist Devices for Chronic Myocardial Disease.

Fossum TW. Ethel Tsutsui Memorial lecture. Heart failure in Women: an epidemic. November 14, 2003

**Professional Development Seminars And Meetings Attended:**

Spring Conference, Washington State University, 1980, 1981, 1982, Pullman, Washington.

Western States Veterinary Meeting, February, 1983, Las Vegas, Nevada.

Veterinary Cancer Society Meeting, May 2-4, 1984, Purdue University.

West Virginia State Meeting (Spring), May 5-7, 1984, Charleston, West Virginia.

Kal Kan Symposium for the Treatment of Small Animal Diseases - Gastrointestinal, October 6-7, 1984.

American College of Veterinary Surgeons Forum - Wound Healing, October 24-26, 1984, Chicago, Illinois.

ASIF Orthopedic Course - The Ohio State University, 1985, Columbus, Ohio.

Veterinary Cancer Society Meeting, May 6-8, 1985, Purdue University.

Midwestern Veterinary Orthopedic Society Meeting, University of Illinois, Champaign-Urbana, Illinois, August 14, 1985.

Kal Kan Symposium for the Treatment of Small Animal Diseases - Cardiovascular Diseases, October, 1985.

American College of Veterinary Surgeons - Annual meeting, February, 1986, Orlando, Florida.

ASIF Orthopedic Course - The Ohio State University, 1986, Columbus, Ohio. Veterinary Cancer Society Meeting, May 28-30, 1986, Purdue University.

American College of Veterinary Surgeons - Equine Orthopedic Surgery, October 27-29, 1986. Chicago, Illinois.

American College of Veterinary Surgeons - Annual Meeting, February, 1987, San Antonio, Texas.

ASIF Orthopedic Course, The Ohio State University, 1987, Columbus, Ohio.

Veterinary Cancer Society Meeting, October 26-28, 1987, Madison, Wisconsin.

Lasers in Veterinary Medicine. Short Course. North Carolina State University, College of Veterinary Medicine, November 14-15, 1987, Raleigh, North Carolina.

American College of Veterinary Surgeons - Annual Meeting, February, 1988, Tucson, Arizona.

Veterinary Cancer Society Meeting, October 3-5, 1988, Estes Park, Colorado.

Kal Kan Symposium for the Treatment of Small Animal Diseases, Feline Medicine, October 8-9, 1988, Columbus, Ohio.

American College of Veterinary Surgeons - Annual meeting, February 6-10, 1989. Reno, Nevada.

Waters Biochemical Research Course - High Performance Liquid Chromatography. Milford, Mass. July 31-August 4, 1989.

American Veterinary Cancer Society Meeting. October 14 - 17, 1989. Raleigh, North Carolina.

American College of Veterinary Surgeons - 17th Annual Surgical Forum, October 22-24, 1989. Chicago, Illinois.

American College of Veterinary Surgeons - 21st Annual Meeting, New Orleans. February 20-23, 1990.

American College of Veterinary Internal Medicine, Annual Meeting, May 29 - June 2, 1991, New Orleans, LA.

Molecular Biology Workshop for Research Veterinarians. 2 week intensive laboratory workshop. August 4 - August 17, 1991. University of Georgia, College of Veterinary Medicine, Athens, GA.

Center for Leadership in Higher Education Administration. One of six participants in an intensive internship program designed to develop leadership and administrative capabilities at a "system" level. May 16, 1998 B July 26, 1999, Texas A&M University System.

Minimally invasive surgery workshop (laparoscopy and thoracoscopy) for veterinarians. Colorado State University, July 8-9, 1999. Ft. Collins, Colorado

American Society for Artificial Internal Organs. Workshop on Clinical end points for cardiac device studies. ASAIO annual meeting, New York City, June 12, 2002

Biopure meeting for ACVS specialists, San Diego, October 14, 2002

Rocky Mountain Valve Symposium, Missoula Montana, July 13-15, 2005