CURRICULUM VITAE
Theresa Welch Fossum, DVM, MS, PhD
Diplomate ACVS

SUMMARY: Theresa (Terry) W. Fossum is CEO and Founder of BlackMountain Botanicals, Inc (d/b/a Dr. Fossum's Pet Care; natural pet wellness) and CEO of Phoenix Animal Wellness (natural pet wellness products). She is a world-renowned board-certified veterinary surgeon, author of the best-selling textbook *Small Animal Surgery* (in its 5th edition), and a serial entrepreneur. Her background includes over 35 years of academic veterinary medicine, including extensive experience in developing academic spin-out companies and managing their intellectual property and licensing portfolios. Dr. Fossum has served as the principal investigator for millions of dollars in research funding from industry and the federal government. She has served as a Special Assistant to the Secretary of Energy and is the founder and former Director and Executive Director of the Texas A&M Institute for Preclinical Studies (TIPS), a 60-million-dollar venture at Texas A&M University which promotes public-private partnerships to speed the development of medical devices and drugs. Dr. Fossum served as a Board of Director for the Viticus Group (formally the Western Veterinary Conference) and as a Board of Trustee member for the American Veterinary Medical Association (AVMA). She has over 100 publications, 6 books and numerous book chapters to her credit and has given over 1000 invited lectures at international and national meetings. Her research includes over 100 funded projects totally over $30,000,000 USD. Dr. Fossum serves as a consultant for Phoenix Biotechnology, LLC which is producing plant-based anti-viral and anti-neoplastic drugs.

AREAS OF EXPERTISE/EXPERIENCE

Clinical trial management	Entrepreneurship	Executive finance
Global Health	GLP/GCP	Program management
One Health/Animal Health	Veterinary surgery	Academic instruction
Executive leadership	Research and Development	

PRESENT POSITIONS AND ADDRESS:

Title: **CEO, Phoenix Animal Wellness. Inc.**
CEO and Founder, BlackMountain Botanicals, Inc.

Office: 100 Easy St. #5191, Carefree AZ, 85377

E-mail: terry@drfossums.com

Phone: (413) 367-7867

Mailing address: 100 Easy St. #5191, Carefree AZ, 85377

PERSONAL DATA:

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
Misc:	Top 10% most viewed LinkedIn Profile for 2012 ResearchGate profile higher than 92.5% of researchers Top Secret Clearance granted, 2013

EDUCATION:

Degree/Training	**Conferring Institution**	**Year**
BS, Agriculture:	University of Idaho Moscow, Idaho Magna Cum Laude	June 1979
DVM:	College of Veterinary Medicine Washington State University Pullman, Washington Cum Laude	June 1982
Internship: (Medicine & Surgery)	Santa Cruz Veterinary Hospital 2585 Soquel Drive Santa Cruz, California 95061	July 1982 - June 1983
Residency:	College of Veterinary Medicine The Ohio State University 1935 Coffey Road Columbus, Ohio 43210	July 1, 1983 - June 30, 1986
MS: Veterinary Anatomy	The Ohio State University Department of Veterinary Anatomy 1900 Coffey Road Columbus, Ohio 43210	Conferred June 1986
Diplomate, American College Veterinary Surgeons		February 1987
PhD: Veterinary Microbiology	Texas A&M University Department of Veterinary Microbiology College Station, Texas 77843	Conferred December 1992

PROFESSIONAL EXPERIENCE AND ACADEMIC APPOINTMENTS:

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 June 1, 2013	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 2004 to present	Founder and President, CARE* Foundation 501(c)(3) *Clinical Animal Registration and Education PO Box 5191 100 Easy St

Carefree, AZ 85377
http://www.careanimalfoundation.org/
http://texasvetcancerregistry.com/

May 2007 – May 22, 2013 Director and Founder, Texas A&M Institute for Preclinical Studies
800 Raymond Stotzer Parkway, Building 1904
Texas A&M University
College Station, Texas 77843

February 2011 - January 2014 Honorary Chair of Preclinical Studies
Swansea University
College of Medicine
Swansea, Wales, UK

June 2012 - June 2013 Senior Scientist
Center for Innovation in Advanced Development and Manufacturing
TAMUS (BARDA funded – $276 M) to develop rapid response to Medical Countermeasures and Pandemic Flu

May 2011 - June 2014 Chairman, Board of Governors
Foundation for Biomedical Research, Washington DC

October 2012- May 1, 2013 Interim Vice President for Research
Texas A&M University

May 23, 2011- Jan 6, 2014 Executive Director and Founder, Texas A&M Institute for Preclinical Studies
800 Raymond Stotzer Parkway, Building 1904
Texas A&M University
College Station, Texas 77843

May 1, 2013 - Jan 6, 2014 Vice Chancellor for Global and Corporate Partnerships
Texas A&M University System
Director and Founder, Clinical Programs, Cardiothoracic Surgery and Biomedical Devices,
Michael E. DeBakey Institute

October 2017 - January 2019 Special Assistant to the Secretary of Energy (IPA; Interprofessional agreement)
Department of Energy

January 2014 – December 31, 2020 Vice President for Research and Strategic Initiatives, Midwestern University

January 1, 2021 -July 15, 2021 Sr. Vice President and Head, Research and Education
Beale's Best

January 1, 2019- Present CEO and President
Dr. Fossum's Pet Care, Inc

July 15, 2021- May 2023 (sold) CEO and Founder
Epic Veterinary Specialists, LLC

January 1, 2023 - Present CEO and President
Phoenix Animal Wellness, Inc

January 2023 – present Co-Chair, TAKE C.H.A.R.G.E. Cancer Registry.

March 2023 – present Founder – CuttingEdgeVet podcast

CLINICAL SPECIALTY/BOARD CERTIFICATION:

Board Certification:

American College of Veterinary Surgery, 1987

Veterinary Licenses:

Current: Arizona (#8036) Utah (#12362166-2801)

Inactive:

Washington (VT00003157) Idaho (#1445) Texas (#7468)
California (#8049)

PATENTS

Intelligent Sleeve Container for Use in a Controlled Syringe System; Animal Innovations, Patent # WO 2010/096061 A; PCT/US2009/034825. August 2010.

TAMUS 2453 "Reversal of Endothelial Dysfunction by Thrombin Peptide TP508" (the role and application of TP508 to reverse the effects of endothelial dysfunction and proposed treatment of related diseases). 60/846418 Applicant: Orthologic Corp. April 24, 2009 / Patent # 07861354.4 – 2107 PCT/US2007020445

TAMUS 2747, "Method of treating peripheral artery disease" (a method for treating peripheral artery disease by administering a thrombin peptide derivative) 61/070,877

TAMUS 2748, "Thrombin peptides and uses in smooth muscle disorders" (methods to cause smooth muscle relaxation, where a disease or disorder in a patient may be improved by such relaxation, by administering a thrombin peptide derivative). 61/070,878

PBI-24-PRV2, “Improved senolytic composition (combination of senolytics including Nerium oleander extracts and isolates in combination with other senolytics.) Provisional submitted January 15, 2024, 63/621035

AWARDS AND HONORS:

Flinn Foundation Entrepreneur Program 2024 Awardee, Flinn Foundation, Phoenix
Graduate, Kellogg Finance for Non-Financial Executives course, May 2017. Northwestern University
Elected to Board of Directors, Western Veterinary Conference, 2017

International Advisory Board member of honor - ACTA VETERINARIA BRNO; University of Veterinary and Pharmaceutical Sciences in Brno, Czech Republic
The Institute of Medicine of Chicago, Fellow 2014
Governor's Executive Development Program, Class of XXXII, 2013, participation by invitation only. (3 weeks of leadership meetings)
Honorary Chair, Preclinical Sciences, Swansea University, UK
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 - 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 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

PODCASTS:

CuttingEdgeVet Podcast by Dr. Terry Fossum

Matthew W. Miller, Cardiac disease in dogs: supplements to extend their life. March 2024
Kipp Wingo, Dental disease in dogs: prevention and treatment, May 2024
Rainer Ko, Treating seizures in dogs, May 2024
Ursula Goetz, New techniques for teaching surgery to veterinarians, May 2024

Guest appearance

Does your dog's itching drive you crazy? August 15th, 2024 Megan Sprinkle, Sqad Cast
My pet has osteoarthritis…what now? August 15th, 2024, Megan Sprinkle, Sqad Cast
Vet Talk: The veterinary podcast, August 16th, 2024
Canine Culture Podcast, August 27th, 2024
Pawsit. Robert Parkins and Samantha Dawson, August 29th, 2024
Vet Cancer Pioneers with Dr. Rachel Venable, Sept 10, 2024
Speaking of Pets Podcast, Sept 20th, 2024
All my children wear fur coats with Peggy Holt , Digging into the safety and efficacy of pet care products.

EDITORIAL BOARDS:

American J of Veterinary Research
2004 - 2008

Veterinary Surgery
1989-1992
1999 - 2008

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:

AVMA Trust – member, 2018- present
Western Veterinary Conference, Board of Directors, 2016 – Jan 2021
Swansea University, Wales, College of Medicine Advisory Board, 2012-2014
Turkish Small Animal Veterinary Association FECAVA/EuroCongress Scientific Committee and advisory Board, 2011
Fontan Study Group, Univ. of Pittsburgh - 2011
Nuclear Solutions Institute Advisory Board, Texas A&M University - 2011
Texas Nanotechnology Ventures, Scientific Advisory Board, 2007 - 2009

Animal Innovations, Advisory Board, 2007-2014
HALSA Pharmaceuticals, Advisory Board, 2007-2008
AHA (Western Region) Scientific Review Board, 2007
CorInnova, Scientific Advisory Board, College Station, Texas, 2004 - 2014
PhotoImmune Biotechnology, LLC, Scientific Advisory Board Member, Houston, Texas, 2004 - 2012
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, Texas, 2000 – Jan 2014
Board of Governors, Foundation for Biomedical Research, Washington. D.C. 2000 – June 2016
Affinity Pet Care, Advisory Council, Barcelona Spain, 2001 - 2009
Surgical Advisory Board, Novartis Animal Health, 2003- 2005
Senior Scientist Officer, Center for Innovation in Advanced Development and Manufacturing (BARDA), 2012
AzBio Board of Directors, 2015- present

GRANT REVIEW COMMITTEES:

ACVS
AHA (Western Region)

TEACHING EXPERIENCE:

Graduate Students:

Name	Degree	Institution	Advisor or Committee Member	Dates

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.
Dr. Maria Aguirre-Sanceledonio, PhD, Veterinary Clinical Sciences, Texas A&M University, Committee chairman, received 2001.
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. Natasha Popvich, Department of Medical Physiology, Texas A&M University, Member, Completion date, 2008.

Stephanie Hebst, Dept. of Physiology and Pharmacology, Texas A&M University, Member, Completion date, 2008.

Dr. Adrian Perea, Department of Small Animal Clinical Sciences, Chair, Texas A&M University, Completion date, 2010

Dr. Natacha Salazar, Department of Small Animal Clinical Sciences, Chair, Texas A&M University, completion date, 2010

Residents/Interns/Postdoctoral Fellows:

Name	Institution	Advisor or Committee Member	Dates
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
Catherine Ruoff	Texas A&M University	Advisor (PDF)	2010-2012
Dan Delillo	Texas A&M University	Advisor (PDF)	2010-2012
Natacha Salazar	Texas A&M University	Advisor (PDF)	2010-2012
Michelle Tichenor	Texas A&M University	Advisor (PDF)	2012-2013

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, Missouri, 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, Missouri, 1999.

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

Fossum TW (ed), Hedlund C, Johnson A, Seim HB, Schulz K, Willard MB, Carroll, G. *Small Animal Surgery. 3rd ed*., Harcourt Health Sciences. Philadelphia, Pennsylvania 2007.

Fossum TW (ed), Dewey C, Johnson A, MacPhail C, Schulz K, Willard MB, Horn C GM, Radlinksy MA. *Small Animal Surgery. 4th ed*., Harcourt Health Sciences. Philadelphia, Pennsylvania 2013.

Fossum TW (ed) Dewey C, MacPhail C, Schulz K, Willard M, Radlinksy MA, Speight A, Quandt J, Small Animal Surgery, 5th ed. Elsevier, 2018

Audio tutorial 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
Fossum TW: numerous videotapes for Small Animal Surgery, 5th edition

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, Illinois. September 10-13, 1989. (participant).

Member of AVMA task force to develop criterion referencing format for the National Board Examination. Chicago, Illinois. 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, North Carolina. May 8-12, 1990. (participant).

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

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

Teaching Improvement Seminar Workshop. Louisiana State University, Baton Rouge, Louisiana. 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, Colorado, August 11-13, 1990.

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

Evaluating Student Performance in Clinical Settings. Workshop. Office of Educational Resources; The University of Texas Health Science Center, San Antonio, Texas. 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, Wisconsin, 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 judgments about clinical performance". Presented by John D. Littlefield, Educational Psychologist from the University of Texas Health Science Center at San Antonio, Texas. 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, Alabama. 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, Illinois, 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, Ontario, Canada 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, Indiana. March 14-16, 1997 (participant).

Midwestern University:

Lecturer:

VMEDG 1655 Small Animal Medicine and Surgery I and II (2015, 2016, 2017) Provided 4 lectures per year on surgical techniques to veterinary students.

Invited to present "special" after hours lectures to the students on various topics of small animal surgery

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), 2009 (2 hours), 2011 (2 hours), 2012 (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, 2009, 2010, 2011, and 2012.

***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).

<u>The Ohio State University (1986-1987)</u>:

***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_2 and pO_2 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. Iams 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. January 1996 - December 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 2000, $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. September 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, Texas, 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 – November 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 Mechanobiology 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) February 2007.

60. Evaluation of a novel agent for surviving blood loss, DARPA, (Co-I), Pilot Study, Phase I and Phase II. DARPA awarded $1,629,545 May 2007 – August 2010.

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, $311,727 August 2007 – November 2010.

64. Apollo Endosurgery: Project CASTRO IN-VIVO PROTOCOL, Apollo Endosurgery, LLC. (Co-PI, Willard PI); $36,272.00 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 2007 - December 2008.

66. Evaluation of a Novel Drug Compound as a Potential Therapeutic in a Controlled Hemorrhage Model in Mature Male Miniature Pigs, Palatine Technologies, Inc, $139.469; T. Fossum (Co-I), June 2007 – December 2008.

67. Deployment of Novel Helical Polymer Stent in Pigs. TissueGen, Inc., $57,643, T. Fossum (Co-I), April 2008 – February 2009.

68. Evaluation and Field Testing of an Automated Injection Device and Data Collection System, Animal Innovations – ETF, $112,000, T. Fossum (PI), September 2007 – November 2009. (NOTE: TAMU has 5% equity in this company)

69. Funding Grant for Support of the Texas A&M DeBakey (Cardiovascular) Institute, DeBakey Institute Federal Initiative, HRSA, PI, $213,022; June 2008 – September 2009.

70. Deep Tissue Coagulation for Extremity Bleeders, DoD/DARPA, $345,082, T. Fossum (Co-I), August 2008 – February 2010.

71. Fracture Putty – BioNanoScaffolds for Post-Traumatic Osteoregeneration, $287,441; DARPA, (Co-I), January 2009 – May 2010.

72. Shape Polymers for Treating Cerebral Aneurysms, NIH, (Co-I; Maitland PI), $974,543; April 2008 – April 2013.

73. Development and Evaluation of Bone Graft Materials Using a Composite Tissue Defect in Goats, Army – AMRAA, (Co-I), $468,000; September 2009 – September 2010.

74. Development of a controlled Hemorrhage Model in Mature Male Miniature Pigs for Multi-Center Applications and Trial of Novel Field-Expedient Treatment. $2,649,070; DOD - ARO; (Co-I; PI Matthew Miller); November 2010 – February 2012.

75. Evaluation of a Novel Small Volume Intervention for Management of Severe Hypovolemic Shock, $9,912,702; DARPA, (Co-I; PI Miller); October 2009 – February 2012.

76. Evaluation of 3D Imaging Device for Soft Tissue Injury in Equines – Handling and Ease of Use Characteristics, $21,226; On Track Imaging, Inc., (PI Theresa Fossum); February 2010 – February 2012.

77. Evaluation of a Novel Small Volume Intervention for Management of Severe Hypovolemic Shock (for Apprenticeship). $3,000; ARO – High School Apprenticeship Program (HSAP); (Co-I; PI Miller); June 2010 – August 2010.

78. Evaluation of a Combination Small Volume Intervention for Management of Severe Hypovolemic Shock. $2,649,070; DOD-ARL-ARO; (Co-I; PI Matthew Miller); May 2007 – February 2012.

79. Comparison of MRI and Angiography for Estimation of Renal Artery Stenosis in a Porcine Model. $60,000; Scott & White Healthcare; (Co-I; PI Matthew Miller); April 2010 – July 2010.

80. Pilot Study for Evaluation of Circulating Blood Levels of Selected Pharmaceuticals from a Novel Sustained Release Device, $76,090; NanoMedical Systems, Inc.; (PI Egemen Tuzun), March 2010 – October 2011.

81. Evaluation of a Novel Microburst Vagus Nerve Stimulation Therapy. $50,398; Cyberonics; (PI Egemen Tuzun); June 2010 – June 2011.

82. Comparison of Magnetic Resonance Angiography and Selective 3D X-ray Angiography for Characterization of Vascular Anatomy in a Porcine Aneurysm Model. $30,000; Scott & White Healthcare; (PI Miller) April 1, 2010 – August 31, 2010.

83. Evaluation of an Aortic Annuloplasty Ring in a Chronic Calf or Sheep Model. $47,285; HAART, Inc.; (PI Theresa Fossum) July 2010 – July 2012.

84. A clinical study to evaluate the efficacy of CASAD for the prevention of diarrhea associated with doxorubicin chemotherapy in dogs with cancer. $22,101; Salient Pharmaceuticals; (PI Theresa Fossum) July 2010 - January 2013.

85. Evaluation of Novel Spinal Implants. $2,557; 4-Web Spine; (PI Mark Lenox); May 2010 – September 2010.

86. EEG Subgaleal Lead Testing. $38,034; Cyberonics, Inc., (PI Egemen Tuzun); August 2010 – January 2012.

87. Allogenic Mesenchymal Stem Cells in a Porcine Surgical Model of Myocardial Infarction with Reperfusion Injury. $177,081; REPAIR Technologies, Inc.; (PI Matthew Miller); Dec 2010 – March 2012.

88. A Novel Anti-Hypertensive Nitric Oxide Donor Refractory to Nitrate Tolerance. $67,136; Radikal Therapeutics. (PI Matthew Miller); August 2011 – July 2012.

89. Establishing Brain MRI as a Screening Tool for the Identification of Fetal Alcohol Spectrum Disorders in an Ovine Translation Model. $10,000; CVM-Postdoctoral Research Grant, (PI Sharla Birch) April 2011 – October 2011.

90. A Study of PDX-1 Bifunctional shRNA Plasmid Lipoplex Dose Optimization in Yucatan Swine. $54,134; Gradalis, Inc. (PI Theresa Fossum); February 2010 – January 2012.

91. Short Term (24 hours) Assessment of the Colon Cardio Left Ventricular Assist Device in an Ovine Model. Calon Cardio Technology, Inc., $40,276 (PI Egemen Tuzun); April 2011 – September 2012.

92. Assessment of Pump Performance, Hemo and Biocompatibility of the MicroMed HA5MV Ventricular Assist Device in a 30-day Ovine Model; $29,225; MicroMed Cardiovascular, Inc. (PI Egemen Tuzun); May 2011 – November 2012.

93. Assessment of Pump Performance, Hemo and Biocompatibility of the SynCardia 50cc Total Artificial Heart in a Healthy Bovine Model; $29,225; SynCardia Systems, Inc., (PI Tuzun) May 2011 – November 2011.

94. Early Acute Phase Response and Distribution of PDX-1 bi-shRNA Lipoplex in Yucatan Swine; $49,331; Gradalis, Inc. (PI Theresa Fossum) July 2011 – November 2011.

95. Influence of Radiofrequency (RF) Power on Pacing Capture Threshold in a Canine Model – A Pilot Study; $72,670; Microsystems Engineering, Inc., (PI Matthew Miller); November 2011 – October 2012.

96. Evaluation of a Novel Microburst Vagus Nerve Stimulation Therapy, $90,117; Cyberonics; (PI Egemen) June 23, 2010 – June 23, 2012.

97. Abiomed Impella Physician & Staff Training; $14,692; Abiomed, Inc., (PI Tuzun) December 2010 – December 2011.

98. BioNanaoScaffolds (BSN) for Post-Traumatic Osteoregeneration Model 1: Restored Medical and Ambulatory Function: $150,000, Department of Army/US Army Research Development and Engineering Command (RDECOM), (PI Fossum) August 2011 – August 2013.

99. Influence of Radiofrequency (RF) Power on Pacing Capture Threshold in a Canine Model – A Pilot Study; $72,670; Micro Systems Engineering, Inc. (PI Miller) November 2011 – October 2012.

100. Evaluation of Prototypical Diagnostic and Therapeutic Catheters in a Porcine and Canine Test Model; $60,407; Biosense Webster, Inc. (PI Miller) November 2011 – November 2012.

101. Photothermal Ablation of Melanoma Using a Targeted Nanoparticle in the Sinclair Swine Melanoma Model; Nanospectra Biosciences, Inc.; $48,082; (PI Fossum) March 2011 – December 2011.

102. Characterization of the Model 106 Generator (Version 2) Sensing Performance in an Animal Model; Cyberonics, Inc.; $86,599; (PI Tuzun) January 2012 – July 2014.

103. Evaluation of a New Crm-1 Inhibitor for the Treatment of Metastatic Osteosarcoma in Canines; $20,125; Karyopharm Therapeutics, Inc. (PI Fossum) February 2012 – February 2014.

104. A Novel Anti-Hypertensive Nitric Oxide Donor Refractory to Nitrate Tolerance. $156.248; Radikal Therapeutics, Inc. (PI, Miller); November 2011 - October 2012.

105. A Redox-protected Organic Nitrate for Pulmonary Hypertension, using a Chronically instrumented Ambulatory Ovine Model of Pulmonary Arterial Hypertension; Radikal Therapeutics, Inc., (PI Miller)

106. Acute Study of Mitral Valve in a Bovine Model, $17,514, On-X Life Technologies, Inc., (PI Tuzun), June 9, 2012 – June 30, 2013.

107. Low-level threshold determination, $2,567.56.00, Technical Support Working Group and Office of Naval Research through Applied Research Associates (PI, Fossum), July 2, 2012 - July 1, 2014.

108. Pilot Study for Acute Toxicity Testing of Spinal Injection of Ozone in New Zealand White Rabbits, $27,394 Minimus Spine, Inc., (PI Fossum), September 1, 2012 – August 31, 2013.

109. Photothermal Ablation of Melanoma Using a Targeted Nanoparticle in the Sinclair Swine Melanoma Model, $25,022, Nanospectra Biosciences. Inc., (PI Fossum), August 1, 2012 – July 31, 2013.

110. Assessment of Gastrointestinal Perfusion Following HeartWare LVAD Implantation in Acute Ovine Model, $40,915.00, HeartWare, Inc., PI Tuzun), August 1, 2012 – May 31, 2013.

111. GLP Study of the HeartMate lll LVAD in a Chronic 60-day Bovine Model, $119,669; Thoratec, LLC, (PI Tuzun), November 1, 2012 - October 31, 2013.

112. MVS Study #MCL 12005, $40,033; Midwest Veterinary Services, Inc., (PI Tuzun), September 1, 2012 – December 31, 2012.

113. HeartWare Inc. Budget – Sheep, $15,328; HeartWare Inc., (PI Tuzun), September 4, 2012 – September 3, 2013. Short-term (24 hour) Hemocompatibility and Hemodynamic Assessment of the Calon Centrifugal Ventricular Assist Device Prototype in an Ovine Model, $64,152; Institute of Life Science Swansea University Swansea, (PI Tuzun), October 1, 2012 – March 31, 2013.

114. Efficacy of oleander for treatment of atopic dermatitis in dogs, $30,0000 Flinn Foundation, April 2024

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2. Fossum TW, Birchard SJ, Arnold PA. Mesenteric lymphography and ligation of the thoracic duct in a cat with chylothorax. *J Am Vet Med Assoc* 1985;187:1036-1037. PMID # 4066459

3. Birchard SJ, Ware WA, Fossum TW, Fingland RB. Chylothorax associated with congestive cardiomyopathy in a cat. *J Am Vet Med Assoc* 1986;189:1462-1464. PMID # 3804840

4. Fossum TW, Birchard SJ. Lymphangiographic evaluation of experimentally induced chylothorax after ligation of the cranial vena cava in dogs. *Am J Vet Res* 1986;47:967-971. PMID # 3963604

5. Fossum TW, Jacobs RM, Birchard SJ. Evaluation of cholesterol and triglyceride concentrations in differentiating chylous and nonchylous pleural effusions in dogs and cats. *J Am Vet Med Assoc* 1986;188:49-51. PMID # 3944008

6. Fossum TW, Birchard SJ, Jacobs RM. Chylothorax in 34 dogs. *J Am Vet Med Assoc* 1986; 188:1315-1318. PMID # 3721989

7. Smeak DD, Gallagher L, Birchard SJ, Fossum TW. Management of intractable pleural effusion in a dog with a pleuroperitoneal shunt. *Vet Surg* 1987;16:212-216. PMID # 3507145

8. Fingeroth JM, Fossum TW. Late-onset regurgitation associated with persistent right aortic arch in two dogs. *J Am Vet Med Assoc* 1987;191:981-983. PMID # 3679995

9. Fossum TW, Sherding RG, Zack PM, Birchard SJ, Smeak DD. Intestinal lymphangiectasia associated with chylothorax in two dogs. *J Am Vet Med Assoc* 1987;190:61-64. PMID # 3818421

10. Forrester SD, Troy GC, Fossum TW. Pleural effusions: pathophysiology and diagnostic considerations. *Comp Contin Educ Pract Vet* 1988;10:121-136.

11. Shapiro W, Fossum TW, Kitchell BE, Couto CG, Theilen GH. Use of cisplatin for treatment of appendicular osteosarcoma in dogs. *J Am Vet Med Assoc* 1988;192:507-511. PMID # 3163684

12. Birchard SJ, Smeak DD, Fossum TW. Results of thoracic duct ligation in dogs with chylothorax. *J Am Vet Med Assoc* 1988;193:68-71. PMID # 3417529

13. Fossum TW. The characteristics and treatments of feline chylothorax. *Vet Med* 1988;83:914-92**.**

14. Birchard SJ, Chew DJ, Crisp MS, Fossum TW. Modified technique for placement of the Purdue Column Disc Peritoneal Dialysis Catheter. *J Am Anim Hosp Assoc* 1988;24:663-666.

15. Shapiro W, Kitchell B, Fossum TW, Couto CG, Theilen G. Cisplatin for treatment of transitional cell and squamous cell carcinomas in dogs. *J Am Vet Med Assoc* 1988;193:1530-1533. PMID # 3215812

16. Fossum TW, Couto CG, DeHoff WD, Smeak DD. Treatment of hemangiopericytoma in a dog, using surgical excision, radiation, and a thoracic pedicle skin graft. *J Am Vet Med Assoc* 1988;193:1440-1442. PMID # 3061989

17. Marais J, Fossum TW. Ultrastructural morphology of the canine thoracic duct and cisterna chyli. *Acta Anatomica* 1988;133:309-312. PMID # 3227791

18. Miller MW, Bonagura JD, DiBartola SD, Fossum TW. Budd-Chiari-like syndrome in two dogs. *J Am An Hosp Assoc* 1989;25:277-283.

19. Fossum TW, Boudrieau RJ, Hobson HP, Rudy RL. Surgical correction of pectus excavatum, using external splintage in two dogs and a cat. *J Am Vet Med Assoc* 1989;195:91-97. PMID # 2759902

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21. Fossum TW, Boudrieau RJ, Hobson HP. Pectus excavatum in 8 dogs and 6 cats. *J Am Anim Hosp Assoc* 1989;25:595-605.

22. Boudrieau RJ, Fossum TW, Hartsfield SM, Hobson HP, Rudy RL. Pectus excavatum in dogs and cats. *Comp Contin Educ Pract Vet* 1990;12:341-355.

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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, Pennsylvania, 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, Pennsylvania, 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, Pennsylvania, 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, Pennsylvania, 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, Pennsylvania, 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, Pennsylvania, 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, Maryland, 1997.

19. Fossum TW. Chylothorax. In: Bojrab MJ, ed. *Current Techniques in Small Animal Surgery*. 4th ed., Williams and Wilkins, Baltimore, Maryland, 1997.

20. Fossum TW. Lymph node biopsy. In: Bojrab MJ, ed. *Current Techniques in Small Animal Surgery*. 4th ed., Williams and Wilkins, Baltimore, Maryland, 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, Pennsylvania, 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, Missouri, 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, Missouri 1997.

25. Fossum TW. Surgical instruments. In: Pratt PW. *Principles and Practice of Veterinary Technology*. Mosby Publishing Co., St. Louis, Missouri, 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, New Jersey, 1997.

28. Fossum TW. Life-saving emergency procedures. In: *Surgical Assistance for Veterinary Technicians*. VLS books, Trenton, New Jersey, 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, Pennsylvania, 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, Pennsylvania, 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*. 3rd ed. W.B. Saunders Co., Philadelphia, Pennsylvania, 2000.

34. Fossum TW. Chylothorax. In: King L, ed. *Textbook of Respiratory Disease in the Dog and Cat*. W.B. Saunders Co., Philadelphia, Pennsylvania, 2003

35. Merten MM, Fossum TW. Pleural and extrapleural diseases. In, Ettinger, ed. Small Animal Medicine, W.B. Saunders Co., Philadelphia, Pennsylvania, 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, Pennsylvania, 2004.

37. Fossum TW. Chylothorax In: August JA, ed. *Consultations in Feline Medicine*. 4th ed. W.B. Saunders Co., Philadelphia, Pennsylvania, 2005

38. Hawkins E, Fossum TW: Current Veterinary Therapy XV. Diseases of the pleural cavity, Elsevier Publishing, Philadelphia, Pennsylvania, 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, Pennsylvania 2008.

40. Fossum TW: Lymphangiography, In: Vaden, Knoll, Smith and Tilley. *Blackwell's Five-minute Veterinary Consultant: Laboratory tests and Diagnostic Procedures: Canine and Feline,* Wiley-Blackwell, Ames, Iowa, 2009.

41. Fossum TW: Chylothorax, *Blackwell's Five-Minute Veterinary Consult: Canine and Feline, Fifth Edition: Wiley-Blackwell,* Ames, Iowa, 2011.

42. Willard MD, Fossum TW: Liver – Extra Hepatic Biliary Disorders, In: Washabau, ed. *Canine and Feline Gastroenterology*, Elsevier, St. Louis, Mo, June 2012.

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.

Member, Radiochemist Search Committee for Nuclear Solutions Institute; Marvin L. Adams, Chair 2010-2011,

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
1994-2010

Facilities Master Plan Task force for the College of Veterinary Medicine and Biomedical Sciences
2011

***The Ohio State University**:*

Animal Welfare Committee
1986

Professional:

***National Committee Activities**:*

Board of Trustees, American Veterinary Medical Association
July 2017- August 2021

Board of Directors, Western Veterinary Conference
2017-2021

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 headquarters 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, as requested

J American Animal Hospital Association
1992 – present, as requested

J American Veterinary Medical Association
1987 – present, as requested

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
WSVC 2009	Organized World Small Animal Veterinary conference soft tissue 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. Presented 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 Facultatad de Medicine Veterinaria Y Zootecnia. La Seminar de la Cirugia. Mexico City, Mexico. November 16-19, 1993. Presented 20 hours of lecture on various surgery topics and 8 hours of laboratory practical.

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

Fossum TW. Curso de Anestesiolgia y Cirugia de Torax. Hospital Veterinario U.A.E.M, Toluca, Estado de Mexico. September 10-11, 1997. Presented 8 hours of lecture on thoracic surgery.

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

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

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

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

Fossum TW. European Society for Feline Medicine. Birmingham England April 7, 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 specialist's session on Upper Respiratory Disease.

Fossum TW. Octavas Journados 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 ho armar B, Haines V, Fossum TW, Weiner B, Tasciotti E, Ferrari M, Righetti R. A new 3D ultrasound tomography technique for bone imaging applications. (TAMU, UTHSC-H, Methodist).

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

Fossum TW. British Columbia Veterinary Medical Association Annual Meeting. Victoria, British Columbia. 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 Clincos Veterinarios de Pequenos Animais. Rio de Janerio, Brazil. June 8-11, 2000. Presented 6 hours of lecture on soft tissue surgery.

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

Fossum TW. Melbourne Veterinary Practitioner Board, Melbourne, Australia. November 8, 2000. Presented 2 hours of lecture on “Respiratory Emergencies”.

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

Fossum TW: Society Cultaral Veterinaria Small Animal 42nd 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 especia procina: 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, 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: Journadas Internacionais de medicina veterinaria, Seminario de Vilar, Universidade do Porto, Porto, Portugal, September 28-30, 2002. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: World Small Animal Veterinary Congress, Granada, Spain, October 3-5, 2002. Presented 3 hours of lecture on chylothorax, tracheal surgery, and pyothorax.

Fossum TW: Pet Vet Continuing Education Veterinary Meeting, Tokyo, Japan, November 13-14, 2002. Presented 12 hours on abdominal surgery.

Fossum TW: Japan Association of Clinical Veterinary Medicine, Annual Meeting, Osaka, Japan November 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, November 20-21, 2002. Presented 12 hours on cardiovascular and thoracic surgery.

Fossum TW: Brompton and Hereford Hospitals London, Myocardial Recovery and angiogenic factors, February 8-12, 2003.

Fossum TW: 10.Jubilejniho rocniku Mezinarodni Vystavy Veterinarni Farmacie a Techniky 10th Anniversary. International Exhibition of Veterinary Pharmacy and Technology. Soft Tissue Surgery. Presented 8 hours of lecture to veterinary practitioners, Czech Republic, April 4, 2003.

Fossum TW: 9th FECAVA (Federation of European Companion Animal Veterinary Associations) Congress and 12th 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: Texas Academy of Veterinary Practice Annual Meeting, Cancun, Mexico, June 13-15, 2003. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: Affinity Pet Care in conjunction with European College of Internal Veterinary Medicine, Stockholm, Sweden. September 4-6, 2003. Presented 30 minutes on surgical complications associated with obesity.

Fossum TW. AMVEPAEG, A.C. VIII Congreso de Medicine Veterinaria en Pequenas Especies del Bajio, Leon Mexico. September 3-6, 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: 28th 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, February 20-21, 2004. Presented 12 hours on abdominal and oncologic surgery.

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

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

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

Fossum TW: 11.Jubilejniho rocniku Mezinarodni Vystavy Veterinarni Farmacie a Techniky 11th 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-American De Medicina Veterinaria, Pequenos Animals com o tema circurgia abdominal, circugia toracica, Rio de Janeiro Brazil August 26-29, 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, February 2005.

Fossum TW. Jubilejniho rocniku Mezinarodni Vystavy Veterinarni Farmacie a Techniky 12th 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: 50th Congresso Nazionale Multisala, Societa Culturale Italiana Veteriniari Per Animali Da Compagnia, Societa Federata Animvi, May 25-27, 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, 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, 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 Annual meeting. Mallorca, Spain. Sept 1-3, 2006. Presented 1 hour on surgical nutrition.

Fossum TW: WSAVA Emergency and Critical Care Session, Prague, Czech Republic, October 9-10, 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, 2006. Chair of Soft Tissue session and presented 8 hours of lecture.

Fossum TW: CanWest Annual Meeting, October 15-17, 2006. Whistler, Canada. Presented 6 hours on various surgery topics.

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

Fossum TW: Northern Portugal Veterinary Annual Meeting, Porto, Portugal, January 4-8, 2007. Presented 3 hours on soft tissue surgery.

Fossum TW: Aktualni temata v kardiologii malych zvirat, Brno Cz Republic, February 8-12, 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. Presented 12 hours of lecture and 6 hours of laboratory.

Fossum TW: Swedish Veterinary Association Meeting, Canary Islands, Spain, March 19-20, 2007. Presented 16 hours of lecture.

Fossum TW: Faculty of Veterinary Medicine, University of Torino, Torino, Italy. April 18-20, 2007. Presented 4 hours of lecture on cardiac surgery.

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

Fossum TW: International Veterinary Seminars, Alaskan Cruise, June 23-30. Vancouver British Columbia, Presented 8 hours on soft tissue surgery.

Fossum TW: Congreso Nacional de Medicine Veterinaria en Pequeneos Especies de Monterrey. July 19-20, 2007. Monterrey, Mexico. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: Eickemeyer Institute. Tuttlingen, Germany. August 29-31, 2007. Presented 8 hours of lecture and 6 hours of lab on Thoracic Surgery.

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

Fossum TW: Nihon University, Fugigawa, Japan. Presented 15 hours of lecture to 3rd and 4th 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, 2007.

Fossum TW: Medicine 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: 9th Silesian Diagnostic Workshops. Krakow, Poland. Presented 6 hours of lab and 4 hours of lecture on thoracic surgery, April 10-12, 2008.

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

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

Fossum TW: 4tas Jornadas Veterianarias Latinoamericanas del Interior, Rosario, Argentina, August 1-2, 2008. Presented 6 hours on soft tissue surgery.

Fossum TW: 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.

Fossum TW: International Veterinary Seminars, Aruba. December 3–8, 2008. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: V Congresso Hospital Veterinario Montenegro, Oporto, Portugal. January 15–20, 2009. Presented 6 hours of wet lab and 6 hours of lecture on soft tissue surgery.

Fossum TW: European College of Veterinary Surgeons Annual Meeting, Nante, France. June 29 – July 7, 2009. Presented 4 hours of soft tissue surgery.

Fossum TW: World Small Animal Veterinary Congress, 2009. Sao Paolo, Brazil. July 20 – 26, 2009. Presented 6 hours of soft tissue surgery.

Fossum TW: Affinity Pre-Congress, SEVC 2009, Barcelona, Spain. Presented 1 hour on "Feline Chylothorax. Barcelona, Spain. September 28-October 2, 2009.

Fossum TW: 4. KHVHD "ANADOLUM" Surekli Egitim Kongresi; Turkey Small Animal Veterinary

Medical Association Annual Meeting, Istanbul, Turkey. October 21-31, 2009. Presented 4 hours of lecture on soft tissue surgery.

Fossum TW: BioEurope 2010, Barcelona Spain, March 5-7th, 2010, Presented 1 hour on TIPS: A new state of the art translation research facility.

Fossum TW: The Atlantic Provinces Veterinary Medical Association Meeting, Halifax, Canada, April 21-25, 2010, Presented 9 hours on soft tissue surgery and a state of the art lecture.

Fossum TW: XIII Congreso Internacional de Medicina, Cirugia y Zootecnia en perros, gatos y otras mascotas, Acapulco, MX, May 13-15, 2010, Presented 6 hours on soft tissue surgery.

Fossum TW: International Veterinary Seminars, St. Thomas, USVI, July 13-18th, 2010. Presented 9 hours of lecture on soft tissue surgery.

Fossum TW: Affinity Pre-Congress, SEVC 2010, Barcelona, Spain. Presented 1 hour on "Gastric Dilatation Volvulus – Nutrition to Surgery, Barcelona, Spain. September 30, 2010.

Fossum TW: Eickemeyer Institute. Tuttlingen, Germany. October 8-10, 2010. Presented 6 hours of lecture and 6 hours of lab on Thoracic Surgery.

Fossum TW: Turkish Society of Cardiovascular Surgery Bi-Annual Meeting, Antalya, Turkey. October 27 30, 2010. Presented "Riding with the king: The Texas Institute for Preclinical Studies and Dr. Michael E. DeBakey".

Fossum TW: School of Veterinary Medicine, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic. May 23, 2011. Presented 8 hours of lecture on mini-invasive thoracic and cardiac surgery and endovascular procedures in companion animals.

Fossum TW: 17th FECAVA (Federation of European Companion Animal Veterinary Associations) European Congress, Istanbul, Turkey, Sept 8-10th, 2011, Presented "State of the Art lecture – The interface between clinical veterinary medicine and research" and 3 hours on soft tissue surgery.

Fossum TW. Schlütersche Verlagsgesellschaft mbH & Co. KG Geschäftsbereich Fach-Publikationen, Annual Veterinary Conference, Weisbaden Germany, May 10-11th, 2012. Presented 6 hours on respiratory surgery and GI surgery.

Fossum TW. Annual Peruvian Veterinary Medicine Conference, Lima Peru, Oct 12-13th, 2012. Presented 10 hours on sterile technique and GI surgery.

Fossum TW. Danish Annual Veterinary Medical Meeting, Aarhus, Denmark. Nov. 8-10th, 2012. Presented 7 hours on soft tissue surgery.

Fossum TW. 3rd Congress ECVESS, Cuenca, Ecuador, Nov 14-16th, 2012. Presented 8 hours on soft tissue surgery.

Fossum TW. 38th Annual World Small Animal Veterinary Association (WSAVA), Auckland, New Zealand, March 6-9, 2013. Presented 5 hours on GI Surgery and Thoracic Surgery.

Fossum TW. 31st World Veterinary Congress, Prague, Czech Republic, September 17-19, 2013. Presented 4 hours on soft tissues surgery and organized soft tissue surgery section of meeting.

Fossum TW: Bogota Veterinary Medical Association, Bogota, Columbia March 19th-21st , 2014 Presented 10 hours of soft tissue surgery

Fossum TW: 35th Congresso Brasilerio da ANCLIVEPA, April 30 – May 2nd, 2014. Belo Horizonte, Brazil. Presented 6 hours on soft tissue surgery

Fossum TW: 29th Annual Meeting, Vereingung Osterreichischer Kleintienrmedizer (VOK), Sept 17-20, 2014, Salzburg Austria. Presented 4.5 hours on soft tissue surgery

Fossum TW: Asia Pacific Veterinary Conference, Oct 1-3, 2014, Bangkok, Thailand. Presented 8 hours on soft tissue surgery.

Fossum TW: Congress of Korean Society of Veterinary Clinics, May 16-17, 2015, Bosan, South Korea. Presented 8 hours on soft tissue surgery.

Fossum TW: Congreso Veterinario de Leon 2015, September 4th and 5th, 2015, Leon, Mexico. Presented 8 hours on soft tissue surgery.

Fossum TW: Thoraxchirurgie/Thoracic Surgery. Eickemeyer. October 30-31st, 2015. Tuttlingen, Germany. Presented 8 hours of lecture on thoracic surgery and 4 hours of practical laboratory.

Fossum TW: Kucuk Hayvan Veteriner Hekimleri Dernegi, Surekli Egitim Kongresi; 10th Annual Turkish Small Animal Association Meeting, November 6th and 7th, 2015, Istanbul, Turkey. Keynote presentation: Presented 4 hours of Cardiothoracic Surgery.

Fossum TW: XVI Simposio de Actualizacion Veterinaria Bayer 2016, Mexico City, Mexico, February 15th-16th, 2016. Presented 3.5 hours on Gastrointestinal surgery and Gastric dilatation volvulus.

Fossum TW: Romania Veterinary Society Annual Veterinarian's Day Symposium, Bucharest, Romania May 17, 2016. Presented 6 hours on cardiovascular surgery

Fossum TW: Klivet Annual Meeting, Antalya, Turkey, May 19-21, 2016. Presented 15 hours on gastrointestinal surgery for veterinarians

Fossum TW: Actualizacion en Clinica Medica y Cirugia en Pequenos Animales. Universidad de La Plata, La Plata, Argentina. August 19, 2016, Presented 3 hours on soft tissue surgery,

Fossum TW: Jornada de Capacitacion Veterinaria 25th Aniversario Laboratorio Triton Vet. Buenos Aires, Argentina, August 21, 2016. Presented 7 hours on soft tissue surgery.

Fossum TW: European Veterinary Conference Voojaarsdagen. The Hague, Netherlands. April 19-21st, 2017. Presented 11 hours on soft tissue surgery including 4 hours of masterclasses.

Fossum TW: Sixth Annual VECME meeting, Universities of the Americas, Santiago, Chile, May 17-19, 2017. Presented 6 hours on soft tissue surgery.

Fossum TW: Eickemeyer Institute. Tuttlingen, Germany. June 16-18, 2017. Presented 6 hours of lecture

and 6 hours of lab on Thoracic Surgery.

Fossum TW: Asian College of Veterinary Surgeons conference, Shanghai, China. October 24-25th, 2019, Keynote speaker. Presented 6 hours on soft tissue surgery and ACVS certification.

Fossum TW: Monotema Veterinary Conference, Cali Columbia, November 9th, 2019. Presented 6 hours on soft tissue surgery.

Fossum TW. Congreso Veterinario de Colombia 2021, Pereira, Colombia. August 4-6th, 2021, Presented 6 hours on soft tissue surgery and CBD

Fossum TW. Congreso Veterinario de Leon 2021, Leon, Mexico. Sept. 1-4, 2021, Presented 6 hours on soft tissue surgery and CBD

Fossum TW. Congreso Veterinario de Leon at Guayaquil, Guayaquil, Ecuador, Sept 30-Ocotber 3rd, 2021, Presented 10 hours on soft tissue surgery and CBD

Fossum TW. 15th International Continuing Education Congress: Turkish Small Animal Veterinary Association, Istanbul Turkey, November 112-13th, 2021. Presented 6 hours of soft tissues surgery and CBD

Fossum TW. VETS Conference, Bucharest Romania, May 13-14th, 2022. Presented 6.5 hours on soft tissue surgery.

Fossum TW. Congreso Veterinario de Leon at Rio de Janeiro, Rio de Janiero, Brazil, Oct. 26-28th, 2022, Presented 10 hours on soft tissue surgery and CBD

Fossum TW. Congreso Veterinario de Leon at Pura Vital, Costa Rico, February 14-16, 2023, Presented 6 hours on soft tissue surgery

Fossum TW: F&G Educational Society – provided 12 hours of soft tissue lectures via webinar, 2022-2023

Fossum TW: World Veterinary Association Congress, Taipei, Taiwan, April 26th-30th, 2023, presented 9 hours on soft tissue surgery, CCD, and oleander.

Fossum, TW: A'alda 1st International Veterinary Symposium, May 8, 2023, Nagoya, Japan; presented 30 minutes on Canine Cognitive Dysfunction

Fossum TW: F&G Educational Society, 1st international symposium on Surgery. June 9, 10th,, 2023. Cartagena, Columbia. Provided 6 hours of lecture and 8 hours of practical surgical laboratory.

Fossum TW. Elanco Showroom 2023; Mexico City, Mexico, August 8, 2023. Presented 3 hours on soft tissue surgery.

Fossum TW. Elanco Showroom 2023; Monterrey, Mexico, August 10, 2023. Presented 3 hours on soft tissue surgery.

Fossum TW: First Mulan Veterinary Conference for Female Veterinarians, Keynote address Wuxi, China, October 23rd, 2023,

Fossum TW: Third Asian Small Animal Specialist Veterinary Conference; Wuxi, China, October 24th, 2023. Presented 4 hours on soft tissue surgery and gave open ceremony remarks and presented in 3 panel discussions.

Fossum TW: 5th Annual Veterinary Emergency and Critical Care Symposium, Antalya, Turkey; December 8-10th, 2023. Presented 1 hour on Canine Cognitive Dysfunction and 1 hour on Diaphragmatic hernias.

Fossum TW: Animal Health Nutrition Technology and Innovation (AHNTI) Forum, London, England. March 2-4,2024 Finalist in pitch competition for start-ups. A novel natural product for atopic dermatitis in dogs.

Fossum TW: Silesian Veterinary Polyclinic Association, Wisla, Poland, December 7-9, 2024. Presented 5 hours on soft tissue surgery and led 5 hours of workshop on thoracic surgery,

Fossum TW: Keynote speaker for "Empowering voices: Celebrating Women in Veterinary Medicine hosted by the University of the Americas, Chile. "Women in Veterinary Medicine: past, present and future. March 18, 2024

Fossum TW: Korean Society for Feline Medicine Annual Symposium, Seoul, Korea, March 23rd and 24th, 2024. Presented 3 hours on soft tissue surgery and 3 hours of panel discussion.

Fossum TW: Philippines Animal Hospital Association Annual Meeting, Manila Philippines, October 3-5, 2024. Presented 7 hours on soft tissue surgery

Fossum TW: Montenegro International Veterinary Conference, Porto Portugal, October 17-19, 2024. Presented 5 hours on soft tissue 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 mini-fragment 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 12-17, 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 14-16, 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 15-19, 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 22-23, 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, Florida. May 16, 1995. "Chylothorax - New perspectives and cardiovascular implications".

Radlinsky MA, Fossum TW, Walker M. American College of Veterinary Surgeons annual meeting, Chicago, Illinois, October 30, 1995. Evaluation of the Palmaz balloon-expandable stent in the trachea of normal dogs.

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

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

Fossum TW. The 14th Annual Veterinary Medical Forum, San Antonio, Texas. 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. 15th Annual Houston Conference on Biomedical Engineering Research. In-vivo kinetics of ALA-induced fluorescence in the canine oral cavity: preliminary findings. Houston, Texas. February 13-14, 1997.

Fossum TW. American Animal Hospital Association Annual Meeting, March 8-12, 1997, San Diego, California. 3 hours 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, Indiana. April 19, 1997. Presented 8 hours of continuing education on various soft tissue topics.

Fossum TW. University of California, College of Veterinary Medicine. Presented one hour on chylothorax to faculty and residents, presented one hour of didactic lecture to 3rd 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 16-18, 1997. Presented 2 hours of advanced lecture on Thoracic surgery.

Fossum TW. International Veterinary Seminars, Ft. Lauderdale, Florida. 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 7-11, 1998. Presented 3 hours of lecture on thoracic surgery and served on a panel discussion.

Fossum TW. Veterinary Postgraduate Institute, Seattle, Washington, November 3-5, 1998. Presented 14 hours on various soft tissue surgery topics.

Fossum TW. North American Veterinary Conference, Orlando, Florida. Jan 8-11, 1999
Presented 7 hours on Soft Tissue Surgery.

Fossum TW. Veterinary Postgraduate Institute, Monterrey California, February 19-20, 1999. Presented 14 hours on various soft tissue surgery topics.

Fossum TW. American Animal Hospital Association Annual Meeting, Denver, Colorado, March 22-24, 1999. Presented 6 hours on respiratory and feline surgery.

Fossum TW. Veterinary Postgraduate Institute, Phoenix, Arizona. October 14-15, 1999. Presented 14 hours on various soft tissue surgery topics.

Fossum TW. American College of Veterinary Surgeons Annual Meeting, San Francisco California. 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, September 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, February 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 minutes on Cardiac Ischemia, VADs and Angiogenesis. Cleveland Ohio. February 8, 2002.

Fossum TW: Fourth International Feline Symposium: Surgery of the cat. San Francisco, California. April 19-20, 2002. Presented 8 hours of lecture on various surgical topics.

Fossum TW: American College of Veterinary Internal Medicine, Dallas, Texas. 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, Texas. Sept 4-7, 2002. Presented 4 hours on Cardiopulmonary Bypass Surgery and Chylothorax.

Fossum TW: American College of Veterinary Surgeons Annual Meeting, San Diego, California. October 17-20, 2002. Presented 3 hours of lecture on pleural cavity disease, ventricular assist devices, and chylous 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, 2003.

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

Fossum TW: International Veterinary Seminars, Santa Barbara, California, April 3-5th, 2009. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: International Veterinary Seminars, Hawaii Meeting, Kauai, Hawaii. June 23-27, 2003. Presented 6 hours – "Update on Feline Surgery".

Fossum TW: North American Veterinary Conference, Orlando FL, January 16-19, 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, 2004. Presented 1 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 1 hour on "Chylothorax: An update".

Fossum TW: International Veterinary Seminars, Key West Meeting, Key West, Florida. April 28-30, 2004, Presented 8 hours – "Practical techniques in veterinary surgery".

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

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

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

Fossum TW: American College of Veterinary Internal Medicine Annual Meeting. June 4, 2005. Presented 1 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, California, Sept. 23-26, 2005. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: Atlantic Coast Veterinary Medicine Association, Atlantic City, New Jersey, 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, 2006, Washington DC, Presented 1 hour on Update of Chylothorax.

Fossum TW: Smoky Mountain Veterinary Medical Association Annual Meeting, Asheville, North Carolina, Oct 19 -21, 2006, Presented 13 hours on small animal surgery and critical care.

Fossum TW: Western States Veterinary Conference, Las Vegas, Nevada. February 19-20, 2007. Presented 7 hours on soft tissue surgery.

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

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

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

Fossum TW: International Veterinary Emergency Critical Care Society, New Orleans, Louisiana. September 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, Tennessee. January 3-6, 2008. Presented 8 hours of lecture on soft tissue.

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

Fossum TW: International Veterinary Seminars, Kiawah Island, April 18-20, 2008, Kiawah Island South Carolina. Presented 5 hours on soft tissue surgery

Fossum TW: PacVet Veterinary Conference, San Francisco, California. Presented 6 hours of lecture on soft tissue surgery. June 25-27, 2008.

Fossum TW: Comparative Respiratory Society Annual Meeting, Stillwater, OK, October 31 - November 2, 2008, presented a lecture on "Translational Medicine in a Veterinary Setting".

Fossum TW: Minnesota Veterinary Medical Association Annual Meeting, Minneapolis, Minnesota. February 5 – 7, 2009. Presented 6 hours on soft tissue surgery.

Fossum TW: International Veterinary Seminars, Jackson Hole, Wyoming, July 17-19th, 2009. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: International Veterinary Seminars, Bar Harbor Maine, Sept 26-28th, 2009. Presented 8 hours of lecture on soft tissue surgery.

Fossum TW: American College of Veterinary Surgeons Annual Meeting - Washington DC, October 7-11, 2009. Presented 2 hours on soft tissue surgery for the veterinary technician.

Fossum TW: Fall CE for the Upstate Veterinary Specialists, Asheville, NC. October 16 – 17, 2010. Presented 6 hours of lecture on soft tissue surgery.

Fossum TW: BioChicago 2010, Chicago Illinois, May 5-7th, 2010, presented 2 hours to the Belgium Contingent on TIPS: Opportunities to work with Wallonia.

Fossum TW: Northern California Veterinary Medical Association meeting; Redding, CA. October 23-24, 2010. Presented 6 hours of lecture on soft tissue surgery.

Fossum TW: Mid-New Jersey Veterinary Medical Association meeting; Newark, NJ, February 16th, 2011. Presented 2 hours of lecture on soft tissue surgery.

Fossum TW: International Veterinary Seminars, Amelia Island, FL, April 14-17, 2011. Presented 8 hours on soft tissue surgery.

Fossum TW: Animal Specialty Group, Los Angeles, CA, August 5 & 6, 2011. Present 2 hours on Soft Tissue Surgery.

Fossum TW: 128th New Jersey Veterinary Medical Association Annual Meeting, March 2nd-4th, 2012. Florham Park, NJ. Presented 10 hours on soft tissue surgery.

Fossum TW: Panel discussion 2012 BioMEDevice Boston. April 25th, 2012. Regulatory issues in device development: what you need to know.

Fossum TW: North Carolina Veterinary Medical Association Annual Meeting, June 27-30th, 2012, Asheville, NC. Presented 4 hours on soft tissue surgery.

Fossum TW: Central Florida Veterinary Medical Association Meeting, May 18-19, 2013. Orlando Florida. Presented 10 hours on soft tissue surgery.

Fossum TW: International Veterinary Seminars, San Francisco, CA. Aug 2-4, 2013. Presented 12 hours on soft tissue surgery.

Fossum TW: Arizona Veterinary Medical Association Annual meeting, Sedona AZ, Sept 14-15, 2013. Presented 4.5 hours on soft tissue surgery.

Fossum TW: Association of University Research Parks Annual Meeting, Sept. 26, 2013. Philadelphia, Pennsylvania Presented in a panel discussion on "Corporate Involvement in the Research Park Ecosystem".

Fossum TW: Atlantic Gulf Veterinary Congress, October 4-6, 2013, Boca Raton, Florida. Presented 11 hours on various topics in soft tissue surgery.

Fossum TW: BioKansas OneHealth Summit. Keynote Address: Building Strategic Alliances, March 5-6, 2014, Sporting Park, Kansas City, Kansas

Fossum TW: Southwestern Veterinary Conference, Sept 30- Oct 1, 2016, Ft. Worth, TX, presented 7 hours of soft tissue surgery

Fossum TW: Wild West Veterinary Conference 2017, October 11-14th, Reno, Nevada, presented 9 hours of soft tissue surgery

Fossum TW: 5th Annual Gulf Atlantic Veterinary Medical Association Meeting, December 1-3, 2017, Boca Raton, Florida. Presented 10 hours on soft tissue surgery.

Fossum TW: Central Florida Veterinary Medical Association Meeting, March 23-25, 2018. Orlando Florida. Presented 10 hours on soft tissue surgery.

Fossum TW: Chicagoland Veterinary Conference, May 15-17th, 2019. Chicago, IL, presented 7 hours on soft tissue surgery

Fossum TW: Use of spontaneous animal models in regenerative medicine. June 6-7th, 2019. Manchester, New Hampshire. Presented 30 min discussion

Fossum TW: Four Corners Veterinary Association, August 26-27th, 2018. Albuquerque, New Mexico. Presented Keynote address and 4 hours of soft tissue surgery.

Fossum TW: Yale-IVUA Healthcare Workshop, September 26th - 27th, 2019. Presented 30 min on healthcare infections.

Fossum TW: Arizona Veterinary Medical Association Fall meeting, September 13, 2019, Sedona AZ. Presented 2 hours on soft tissue surgery

Fossum TW: Southern AZ Veterinary Medical Association Meeting. October 22nd, 2020, Live webinar, Presented 1.25 hours on CBD: What clinicians need to know and 0.75 hours on diaphragmatic hernia repair

Fossum TW: Arizona Veterinary Medical Association, Specialists meeting. April 4, 2022, Phoenix, Az. Presented one hour of lecture on CBD and Canine Cognitive Dysfunction.

Fossum TW: Arizona State University Comparative Medicine Symposium, why dogs really are man's best friend. ASU Campus November 30th, 2023.

***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 12-13, 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 14, 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 13, 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 12, 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, Washington, August 2, 1995. 3 hours on pleural effusion and peritonitis.

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

Fossum TW. Washington State Veterinary Association Annual Meeting. Yakima, Washington. 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, Texas. Presented 6 hours on various soft tissue surgery topics.

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

Fossum TW. 44th Annual Hawaii State Veterinary Medical Association meeting, Honolulu, Hawaii. Nov 7-9, 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, Texas.

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

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

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

Fossum TW: Cornell Veterinary College Annual Meeting. Ithaca, New York, 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 Oregon. September 17-18, 1999. Presented 7 hours of lecture and 4 hours of laboratory.

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

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

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

Fossum TW: Michigan Veterinary Specialists, Detroit, Michigan, April 18-19, 2001, Presented 4 hours of lecture on various soft tissue topics to veterinary practitioners and one hour to interns and residents.

Fossum TW: Coastal Bend Veterinary Association, Port Aransas, Texas, Sept 14-16, 2001. Presented 4 hours of CE on various soft tissue topics.

Fossum TW: Oklahoma State University Homecoming CE, October 4, 2001. Stillwater Oklahoma, 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 minutes on myocardial ischemia and TP508. Pittsburgh, Penn.

Fossum TW: Minnesota Veterinary Medical Association, Fall Conference, Minneapolis-St. Paul, Minnesota. February 1-2, 2002. Presented 8 hours on various soft tissue topics.

Fossum TW: Cleveland Clinic Cardiology faculty. Presented 30 minutes 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 6-7, 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, New York, March 6-7, 2003. Presented 5 hours of lecture on soft tissue surgery.

Fossum TW: California Veterinary Medical Association Annual Meeting, Anaheim, California, 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, 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, Florida. Sponsored by Temedco, November 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, Texas February 28, 2004. Presented 2 hours on "Cardiovascular surgery: What's the future hold?"

Fossum TW: Cleveland Veterinary Medical Association: Cleveland, Ohio. April 6, 2004, Presented 6 hours on various soft tissue topics.

Fossum TW: Coastal Bend Veterinary Association, Port Aransas, Texas. Sept 14-16, 2004. Presented 4 hours of CE on various soft tissue topics.

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

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

Fossum TW: Harris County Veterinary Medical Association, Houston, Texas, February 9, 2006, presented 2 hours on "Management of Animals with Acute Abdomens".

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

Fossum TW: Specialists Veterinary Seminar, Los Angeles, CA, August 5-6th, 2011, Presented 1 hour on Gastric Dilatation Volvulus.

***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.

Fossum TW, Woods C: Translational medicine – dogs and man: why our pets might help save your patient's life. Barrow Neurological Institute, April 12, 2016**.**

Fossum TW: CBD: What clinicians need to know, Gulf Coast VMA, Victoria TX, May 27th, 2021

Fossum TW: CBD: What clinicians need to know: Coastal Bend VMA, Corpus Christi, TX May 26, 2021

Fossum TW: New natural treatments for CCD, mobility issues, anxiety, and seizures: Southern Arizona VMA, July 13, 2022

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, Louisiana. February 20-23, 1990.

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

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

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- 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, New York, June 12, 2002.

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

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

BioExec Institute 2012: The inside story and network to BioPharma. Berkley, California, December 6-7,2012.