

Curriculum Vitae
JENNIFER A. BROWN



DATE AND PLACE OF BIRTH

November 27, 1969
Landstuhl, Germany

CONTACT INFORMATION

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Odessa, FL 33556
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E-MAIL ADDRESS

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Dr.Brown@k9sportsvet.com

EDUCATION

1995 - 1999	Washington State University; Pullman, WA <i>Doctor of Veterinary Medicine</i>
1992 - 1995	Central Washington University; Ellensburg, WA <i>Bachelor of Science: Biology, minor: Zoology</i> Magna Cum Laude Phi Kappa Phi Honor Society Beta Beta Beta Biological Honor Society
1990 – 1992	Edmonds Community College; Lynnwood, WA <i>Associates of Arts and Sciences</i> Phi Theta Kappa Honor Society

CERTIFICATIONS AND OTHER EDUCATION

- Diplomate American College of Veterinary Surgeons
- Diplomate American College of Veterinary Sports Medicine and Rehabilitation
- Certified Canine Rehabilitation Therapist
- PennHip Certified Veterinarian
- Certified Veterinary Spinal Manipulative Therapy (Veterinary Chiropractic)

PROFESSIONAL EXPERIENCE

Jan 2013 – Present	K-9 Sports Vet, LLC; Tampa, FL Owner
2007-present	U.S. Department of Homeland Security Federal Emergency Management Agency Urban Search and Rescue <i>Team Veterinarian (MDTF-1 and FL TF-2)</i> <i>Canine Search Specialist (2009-present)</i> <i>Incident Support Team – Veterinary Officer (2015-present)</i>
Mar 2010 - present	Veterinary Sports Medicine, Surgery, and Relief Services; Tampa, FL Owner
Mar 2012-May 2013	Northeast Animal Hospital; St. Petersburg, FL Associate Veterinarian
Mar 2010 - Mar 2012	Citrus Park Animal-Bird-Exotics Hospital; Tampa, FL Associate Veterinarian
2003 – 2010	Marion duPont Scott Equine Medical Center; Leesburg, VA Virginia-Maryland Regional College of Veterinary Medicine Virginia Polytechnic and State University <i>Clinical Assistant Professor in Equine Surgery and Emergency Care</i> <i>Faculty Advisor to Nursing and Barn Care</i> <i>Residency Program Director – American College of Veterinary Surgeons</i>
2005 - 2010	Montgomery County Fire and Rescue Service; Rockville, MD Maryland Task Force 1 Urban Search and Rescue <i>Team Veterinarian</i>
2005- 2009	National Disaster Medical System; Washington D.C. Veterinary Medical Assistance Team – 2 <i>Veterinary Medical Officer, Training Officer</i>
2000 – 2003	Michigan State University; East Lansing, MI College of Veterinary Medicine <i>Resident, equine surgery</i>
1999 – 2000	Rood and Riddle Equine Hospital; Lexington, KY <i>Hospital Intern</i>
1996 – 1999	Washington State University; Pullman, WA College of Veterinary Medicine Dr. Warwick Bayly, Dr. Robert Schneider Dr. Scott Hopper, Dr. Marc Ratzlaff <i>Technical Assistant I</i>
1997 – 1998	Washington State University; Pullman, WA College of Veterinary Medicine

Dr. Scott Hopper
Large Animal Emergency Surgery Technician

PROFESSIONAL AFFILIATIONS AND LICENSURE

American College of Veterinary Sports Medicine and Rehabilitation

- Diplomate
- Continuing Education Committee

American College of Veterinary Surgeons

- Diplomate – Large Animal
- Nominations Committee

American Veterinary Medical Association

- Member
- Committee on Disaster and Emergency Issues
 - Vice Chair 2010-2011
 - Chair 2011-2013

American Association of Equine Practitioners

- Member 2000-2010
- Student Relations Committee
- State Equine Emergency Network veterinarian (VA)
- Co-facilitator of the Emergency & Disaster Preparedness Forum

Urban Search & Rescue Veterinary Group – member

- Assisted in development and tested FEMA US&R K-9 fitness testing protocol in collaboration with Auburn University
- Collaborated on post-deployment K-9 health checks for Haiti earthquake deployment
- Contribute to FEMA US&R K-9 health related protocols and handler information.

PennVet Working Dog Center

- Working Dog Conference Planning Committee 2011, 2013, & 2014
- AKC-CAR DNA Bank partner

American Association of Rehabilitation Veterinarians

- Member

Licensed (current) – Florida, Georgia

United States Department of Agriculture Accredited Veterinarian

PUBLICATIONS

Scientific Journals:

1. Mehl ML, Sarkar DK, Schott II HC, Brown JA, Sampson SN, Bayly WM. Equine plasma β endorphin concentrations are affected by exercise intensity and time of sampling. *Eq Vet J Suppl* 30:567-569, 1999.
2. Greene S, Keegan R, Brown J, Kingston J, Bayly W. Effect of furosemide on arterial acid-base, blood gases, and electrolytes in horses given hypertonic saline during anesthesia immediately following supra-maximal exercise to fatigue. *Eq Vet J Suppl* 30:434-437, 1999.
3. Keegan RD, Greene SA, Brown JA, Weil AB, Bayly WM. Cardiopulmonary, acid-base, and blood and plasma volume effects of pre-exercise furosemide administration and post-exercise anesthesia in horses exercised supra-maximally to fatigue. *Eq Vet J Suppl* 30:174-177, 1999.

4. Byron CR, Stick JA, Brown JA, Lugo J. Use of condylar screw plate for repair of a Salter-Harris type-III fracture in a 2-year-old horse. *JAVMA* 221(9):1292-1309, 2002.
5. Lanovaz JL, Khumsap S, Clayton HM, Stick JA, Brown J. Three-dimensional kinematics of the tarsal joint at the trot. *Eq Vet J Suppl* 34:308-313, Sept 2002.
6. Schneider RK, Tucker RL, Habegger SR, Brown J, Leathers CW. Desmitis of the straight sesamoidean ligament in horses: 9 cases (1995-1997). *JAVMA* 222(7):973-7, 2003.
7. Brown JA, Derksen FJ, Hartmann W, Stick JA, Robinson NE. Ventriculocordectomy reduces respiratory noise in horses with laryngeal hemiplegia. *Eq Vet J* 35(6):570-574, 2003.
8. Brown JA, Derksen FJ, Hartmann W, Stick JA, Robinson NE. The effect of laryngoplasty on respiratory noise reduction in horses with laryngeal hemiplegia. *Eq Vet J* 36(5):420-425, 2004.
9. Brown JA, Derksen FJ, Hartmann W, Stick JA, Robinson NE. Laser vocal cordectomy fails to effectively reduce respiratory noise in horses with laryngeal hemiplegia. *Vet Surg* 34(3):247-252, 2005.
10. Henderson CE, Sullins KE, Brown JA. Transendoscopic ventriculocordectomy in 23 horses with laryngeal hemiplegia. *JAVMA* 231(12):1868-72, 2007.
11. Dickey EJ, McKenzie HC, Brown JA, Navas de Solis CN. Serum concentrations of lidocaine and its metabolites after prolonged infusion in healthy horses. *Eq Vet J* 40(4):348-52, 2008
12. Hart SJ, Brown JA. Diaphragmatic Hernia in the Horse. *J Vet Emergency and Critical Care* 19(4):357-362, 2009
13. Leadbeater JL, Gutierrez-Nibeyro S, Brown JA. Mastocytoma in the common carpal sheath of the digital flexor tendons in a horse. *Australian Vet J* 88(1-2):20-24, 2010.
14. Prange T, Holcombe SJ, Brown JA et al. Resection and anastomosis of the descending colon in the horse: 41 cases. *Vet Surg* 39(6):748-753, 2011.
15. Porr S, Brown J. Equine Emergency Preparedness in Virginia. *Virginia Cooperative Extension* Pub 406-500, 2010.
16. Porr S., Brown JA, Splan RK. Development and Assessment of an Emergency Responder Horse Handling Training Program in Virginia. *J. of Extension* 49(4): article #4IAW4 Aug, 2011.
17. Hart SK, Barrett JG, Brown JA, Papich MG, Powers MG, Powers BE, Sullins KE. Elution of antimicrobials from a cross-linked dextran gel: in vivo quantification. *Equine Vet J.* 45(2): 1148-53, 2013.
18. Brown JA, Holcombe SJ, Southwood LL, Emberston RE, Byron CR, Hauptmann JG. End-to-Side Versus Side-to-Side Jejunocecostomy in Horses: A Retrospective Analysis of 150 Cases. *Vet Surg* Aug 2, 2014.

Proceedings

1. Brown JA, Derksen FJ, Tetens J. Idiopathic laryngeal hemiplegia in the horse. *Proc. 23rd Bain-Fallon Mem Lec.* July 2001, pp. 45-52.
2. Brown JA. Developing the Disaster Search Dog. *PennVet International Working Dog Conference.* September 2011, (electronic: <http://pennvetwdc.org/conference/>)

Abstracts:

1. Brown JA, Keegan RD, Greene SA, Bayly WM. Effect of furosemide on plasma and blood volumes in supra-maximally exercising horses. *Proc. 2nd Equine Exercise Physiology Research Meeting.* Michigan State University, November

- 1997.
2. Kingston JK, Brown JA, Keegan RD, Greene SA, Bayly WM. The effect of furosemide on acid-base balance and intracellular ions in horses during supra-maximal exercise. *Proc. 2nd Equine Exercise Physiology Research Meeting*. Michigan State University, November 1997.
3. Brown JA, Derksen FJ, Stick JA, Holcombe SJ, Robinson NE. Ventriculocordectomy reduces respiratory noise in horses with laryngeal hemiplegia. *Proc. 2001 World Equine Airways Symposium*. Edinburgh, Scotland, July 2001.
4. Brown JA, Derksen FJ, Stick JA, Holcombe SJ. Ventriculocordectomy reduces respiratory noise in horses with laryngeal hemiplegia. *Proc. 11th Ann ACVS Symposium*; pg 3, 2001.
5. Brown JA, Derksen FJ, Stick JA, The effect of laryngoplasty on respiratory noise reduction in horses with laryngeal hemiplegia. *Proc. 13th Ann ACVS Symposium*; 2003.
6. Brown JA, Derksen FJ, Stick JA, Laser cordectomy fails to effectively reduce respiratory noise in horses with laryngeal hemiplegia. *Proc. 14th Ann ACVS Symposium*; 2004.
7. Dickey EJ, McKenzie HC, Brown JA, Navas de Solis CN. Serum concentrations of lidocaine and its metabolites after prolonged infusion in healthy horses. *Proc. Equine Colic Research Symposium*; 2008.
8. Hart SJ, Brown JA. Diaphragmatic hernia in the horse: 44 cases. *Proc Equine Colic Research Symposium*; 2008.
9. Brown JA, Holcombe SJ, Southwood LL, Emberston RE, Byron CR, Hauptmann JG. Does method of jejunocecostomy affect incidence of complications or survival in horses? *Proc. ACVS Symposium*; 2011.
10. Canapp SO, Brown JA, Barrett JG, Canapp D, Gavin PR. Supraspinatus Tendinopathy in Dogs; 122 Cases. *Proc. ACVM Symposium*; 2012.

Posters:

1. Prange T, Holcombe SJ, Brown JA, Dechant EJ, et al. Resection and anastomosis of the descending colon in 41 horses. Annual Symposium of the American College of Veterinary Surgeons; 2008.

Book Chapters:

1. Current Therapy in Equine Medicine 6th edition; eds: Robinson and Sprayberry; "Efficacy of surgery for laryngeal hemiplegia." 2009: 255-257
2. Clinical Veterinary Advisor: The Horse; ed: Wilson DA; "Dynamic Pharyngeal Abnormalities." 2012: 443
3. Clinical Veterinary Advisor: The Horse; ed: Wilson DA; "Recurrent Laryngeal Neuropathy." 2012: 338-339
4. Practical Guide to Equine Colic; ed: Southwood LL and Fehr J; "Enteral Fluid Therapy" 2012: 62-70
5. Canine Sports Medicine and Rehabilitation; eds Zink and Van Dyke; "Imaging for the Canine Athlete" 2013
6. Canine Sports Medicine and Rehabilitation; eds Zink and Van Dyke; "Emergency Medical Considerations in Sports Medicine and Rehabilitation" with Otto CM 2013

INVITED SEMINARS

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| Nov 1997 | “Effect of furosemide on plasma and blood volumes in supra-maximally exercising horses.” 2 nd Equine Exercise Physiology Research Meeting, Michigan State University. |
| Oct 2001 | “Ventriculocordecotomy reduces respiratory noise in horses with laryngeal hemiplegia.” 11 th Annual ACVS Symposium. |
| Feb 2002 | “Gross anatomy of the equine gastrointestinal tract – a review.” Michigan State University College of Veterinary Medicine Equine Performance Group. |
| Apr 2002 | “Pharmacologic management of pain in the equine patient.” Michigan State University College of Veterinary Medicine Equine Performance Group. |
| Nov 2002 | “The effect of laryngoplasty on upper airway noise in horses with laryngeal hemiplegia.” Michigan State University College of Veterinary Medicine Equine Performance Group. |
| Dec 2002 | “Umbilical and urinary tract surgery in the equine neonate.” Michigan State University College of Veterinary Medicine Equine Performance Group. |
| Jan 2003 | “Lasers in equine surgery.” Michigan State University College of Veterinary Medicine Equine Performance Group. |
| June 2006 | “The deciding factor – from referral to surgery” Maryland Veterinary Medical Association Summer Conference; Ocean City, MD.

“It’s critical – managing the colic patient” Maryland Veterinary Medical Association Summer Conference; Ocean City, MD.

“Spitting the Bit – evaluation for poor performance in the equine athlete” Maryland Veterinary Medical Association Summer Conference; Ocean City, MD.

“Stop that racket – elimination of respiratory noise in horses.” Maryland Veterinary Medical Association Summer Conference; Ocean City, MD.

“In the aftermath of Katrina and Rita “ Maryland Veterinary Medical Association Summer Conference; Ocean City, MD.
“Pain Management in Horses.” Maryland Veterinary Medical Association Summer Conference; Ocean City, MD. |
| Sept 2006 | “Equine Catheterization and IV Fluid Therapy.” Virginia Licensed Veterinary Technician Association Fall Meeting |

Sterling, VA.

“Radiography in the Horse.” Virginia Licensed Veterinary Technician Association Fall Meeting; Sterling, VA.

“Equine Advanced Imaging.” Virginia Licensed Veterinary Technician Association Fall Meeting; Sterling, VA.

“Equine General Practice: Vaccinations and Deworming.” Virginia Licensed Veterinary Technician Association Fall Meeting; Sterling, VA.

“Equine Antimicrobial Therapy.” Virginia Licensed Veterinary Technician Association Fall Meeting; Sterling, VA.

Mar 2007 “Field Management of Equine Musculoskeletal Injuries.” National Disaster Medical System Annual Conference; Nashville, TN.

Oct 2007 “Update on Sound Analysis in Horses” American College of Veterinary Surgeons Annual Symposium; Chicago, IL.

Aug 2008 “The deciding factor – colic from referral to surgery” Central Veterinary Conference; Kansas City, MO.

“It’s critical – managing the colic patient” Central Veterinary Conference; Kansas City, MO.

“Evaluation for poor performance in the equine athlete” Central Veterinary Conference; Kansas City, MO.

“Stop that racket – elimination of respiratory noise in horses.” Central Veterinary Conference; Kansas City, MO.

“Pain Management in Horses.” Central Veterinary Conference; Kansas City, MO.

“Equine reproductive emergencies” Central Veterinary Conference; Kansas City, MO.

“Management of equine musculoskeletal trauma” Central Veterinary Conference; Kansas City, MO.

“Foot lameness in horses” Central Veterinary Conference; Kansas City, MO.

“Angular limb deformities in the foal” Central Veterinary Conference; Kansas City, MO.

Oct 2008 “Reducing the noise associated with laryngeal hemiplegia – what works?” American College of Veterinary Surgeons Annual Symposium; San Diego, CA.

June 2009	<p>“When disaster strikes: impact on animal and veterinary infrastructure” WPVMA LVT CE; Pittsburgh, PA.</p> <p>“How can I help – getting involved in veterinary/animal disaster response” WPVMA LVT CE; Pittsburgh, PA.</p>
Nov 2009	<p>“The deciding factor – colic from referral to surgery” Central Veterinary Conference; San Diego, CA.</p> <p>“It’s critical – managing the colic patient” Central Veterinary Conference; San Diego, CA.</p> <p>“Equine reproductive emergencies” Central Veterinary Conference; San Diego, CA.</p> <p>“Management of equine musculoskeletal trauma” Central Veterinary Conference; San Diego, CA.</p> <p>“Foot lameness in horses” Central Veterinary Conference; San Diego, CA.</p> <p>“Intra-articular therapy in the horse” Central Veterinary Conference; San Diego, CA.</p>
Aug 2011	<p>“Treatment of supraspinatus tendinopathy and other shoulder injuries. What is a lesion? Why treat it? When to cut it?” Veterinary Arthrology Advancement Association Symposium; Naples, FL</p> <p>“Diagnostic Ultrasound of the Canine Shoulder” (lab) Veterinary Arthrology Advancement Association Symposium; Naples, FL</p>
Sept 2011	<p>“Developing the Disaster Search Dog” PennVet International Working Dog Conference; Pearl River, NY</p>
Dec 2012	<p>“Morbidity and Mortality of FEMA Urban Search and Rescue Canines” Special Operations Medicine Association annual meeting; Tampa, FL</p>
July 2013	<p>“Veterinary Emergency Responder: Opportunities, Qualifications, and Training” AVMA Annual Convention; Chicago, IL</p>
May 2014	<p>“Diagnostic Ultrasound of the Musculoskeletal System in Dogs” Lecture and Lab. Minneapolis, MN</p>
May 2014	<p>“Morbidity and Mortality of FEMA US&R Canines” FDNY Medical Special Operations Conference. New York, NY</p>
Nov 2015	<p>“The Athletic Dog” International Veterinary Chiropractic Association. Reddick, FL</p> <p>“Diagnosing Musculoskeletal Injuries in the Canine Athlete”</p>

International Veterinary Chiropractic Association. Reddick, FL

Jan 2016 “Therapeutic modalities for the treatment of sporting dogs during competition” North American Veterinary Conference. Orlando, FL

 “Risky Business – Morbidity and Mortality of the Urban Search and Rescue Canine” North American Veterinary Conference. Orlando, FL

 “Conservative management of canine cranial cruciate ligament rupture – panel discussion” North American Veterinary Conference. Orlando, FL

July 2016 “Canine Musculoskeletal Anatomy of the Neck and Forelimb – lab” Small Animal Medical Manipulation course, Integrative Veterinary Medical Institute. Reddick, FL

 “Canine Musculoskeletal Ultrasound of the Forelimb – lab” Small Animal Medical Manipulation course, Integrative Veterinary Medical Institute. Reddick, FL

Aug 2016 “Conditioning the Canine Athlete” AVMA Annual Convention. San Antonio, TX

 “Diagnostic Imaging in Canine Sports Medicine” AVMA Annual Convention. San Antonio, TX

 “Regenerative Therapies in Canine Veterinary Rehabilitation” AVMA Annual Convention. San Antonio, TX

Oct 2016 “Canine Conditioning” Integrative Veterinary Medical Institute Small Animal Medical Manipulation course. Reddick, FL

 ” Veterinary Rehabilitation” Integrative Veterinary Medical Institute Small Animal Medical Manipulation course. Reddick, FL

 “The Working Dog” Integrative Veterinary Medical Institute Small Animal Medical Manipulation course. Reddick, FL

 “Canine Musculoskeletal Anatomy of the Pelvis and Hind limb – lab” Small Animal Medical Manipulation course, Integrative Veterinary Medical Institute. Reddick, FL

 “Canine Musculoskeletal Ultrasound of the Hind limb – lab” Small Animal Medical Manipulation course, Integrative Veterinary Medical Institute. Reddick, FL

GRANTS FUNDED

1997 - 1998	Effects of furosemide on plasma volume, blood volume, extracellular and intracellular potassium concentrations in horses following supra-maximal exercise. Funded through the Veterinary Summer Research Fellowship – Washington State University. Primary Investigator. \$1,600
2000 – 2001	Quantitative ultrasonographic correlation of tendon damage and racing performance post-treatment. Funded through The Piedra Foundation. Primary Investigator. \$3,817
2001 – 2002	Does vocal cordectomy reduce the respiratory noise caused by laryngeal hemiplegia? Funded through the American College of Veterinary Surgeons. Co-investigator. \$10,000
2001 – 2002	Does laryngoplasty reduce inspiratory noise in horses with laryngeal hemiplegia? Funded through the USA Equestrian, Inc. Equine Research Fund. Co-Investigator. \$15,000
2006 - 2007	Pharmacokinetics of intravenous lidocaine as a prolonged infusion in horses. Funded through the Morris Animal Foundation. Co-Investigator. \$26,236.22
2008-2009	Use of a cross-linked hyaluronic acid membrane on the small intestine of horses. Funded by SentRx Animal Care. Primary Investigator. \$7,194.00
2009-2010	Efficacy of a sulfonated carboxymethyl cellulose hyaluronan gel for preventing small intestinal adhesions in horses. Funded by SentRx Animal Care. Primary Investigator. \$28,934.00

RESEARCH EXPERIENCE - PRIMARY INVESTIGATOR

Brown JA, Keegan RD, Bayly WM. Effect of furosemide on plasma and blood volumes in supra-maximally exercising horses.

Brown JA, Schneider RK, Leathers CW, Tucker RL. Histologic, ultrasonographic, and MRI characteristics of the origin of the distal straight sesamoidean ligament in the horse.

Brown JA, Bramlage LR. Quantitative ultrasonographic correlation of tendon damage and racing performance post treatment.

Brown JA, Derksen FJ, Stick JA, Hartmann W, Robinson NE. Effect of bilateral ventriculocordectomy on respiratory noise in horses with laryngeal hemiplegia.

Brown JA, Derksen FJ, Stick JA. The effect of laryngoplasty on reducing respiratory noise in horses with laryngeal hemiplegia.

Brown JA, Stick JA, Derksen FJ. Does laser cordectomy reduce the respiratory noise in horses with laryngeal hemiplegia?

Brown JA. Use of a cross-linked hyaluronic acid film on the small intestine of horses.

Brown JA, White NA. Efficacy of a sulfonated carboxymethyl cellulose hyaluronan gel for preventing small intestinal adhesions in horses.

Brown JA. Evaluation of canine core body temperature after rubble searches in FEMA US&R canines – effects of search duration and ambient temperature and humidity.

EDITORIAL ACTIVITY

Veterinary Surgery: Editorial Board 2007 - 2010

PATENTS

Derksen FJ and Brown JA: US Patent # 6,659,960 Apparatus for recording respiratory sounds in exercising horses. Dec 2003

EMERGENCY/FIRST RESPONDER TRAINING (LECTURES AND SEMINARS)

Aug 2007	“Canine physical exam.” FEMA Maryland TF-1 Urban Search and Rescue - K-9 Handlers, Linthicum, MD
Sept 2007	“Canine fluid therapy and subcutaneous fluid administration.” Lecture and wet lab. FEMA Maryland TF-1 Urban Search and Rescue - K-9 Handlers; Linthicum, MD
	“Canine hyperthermia.” FEMA Maryland TF-1 Urban Search and Rescue - K-9 Handlers; Linthicum, MD
Oct 2007	“Canine first-aid” FEMA Maryland TF-1 Urban Search and Rescue - K-9 Handlers; Linthicum, MD
Dec 2007	“Canine bandaging and splinting” Lecture and wet lab. FEMA Maryland TF-1 Urban Search and Rescue - K-9 Handlers; Linthicum, MD
	“Emergency Response – Horses” Horse behavior, handling and response to equine emergencies. Lecture and lab for first responders; Middleburg, VA
Feb 2008	“Canine vaccination protocols” FEMA Maryland TF-1 Urban Search and Rescue - K-9 Handlers; Rockville, MD
	“Emergency Response – Horses” Horse behavior, handling and response to equine emergencies. Lecture and lab for first responders; Locust Grove, VA
March 2008	“Emergency Response – Horses” Horse behavior, handling and response to equine emergencies. Lecture and lab for first responders; Middleburg, VA
June 2008	“Emergency Response – Horses” Horse behavior, handling and response to equine emergencies. Lecture and lab for first responders; Middleburg, VA

	responders; Reva, VA
	“First Aid Basics for Horses” Equine first aid for emergency responders. Lecture and lab; Reva, VA
July 2008	“First Aid and Emergent Care for Working Dogs” Penn Vet Quarterly Working Dog Seminar and Workshop; University of Pennsylvania; Philadelphia, PA.
	“Emergency oxygen therapy for the K-9” MD TF-1 K-9 Urban Search and Rescue Team; Rockville, MD
August 2008	“Emergency Response – Horses” Horse behavior, handling and response to equine emergencies. Lecture and lab for first responders; Middleburg, VA
	“First Aid Basics for horses” Equine first aid for emergency responders. Lecture and lab; Middleburg, VA
April 2009	“Emergency Response – Horses” Horse behavior, handling and response to equine emergencies. Lecture and lab for first responders; Locust Grove, VA
	“First Aid Basics for horses” Equine first aid for emergency responders. Lecture and lab; Locust Grove, VA
July 2009	“First aid and emergency care for working dogs” VMAT and DelMarVa Search and Rescue FTX. Lecture and lab; Linthicum, MD
Nov 2009	“First-Aid and Emergency Care for US&R K-9’s” FEMA California TF-8 - Medical Specialists and Canine Search Specialists. Lecture and labs. San Diego, CA
Feb 2013	“Canine Critical Care – Emergency Care for the Working Dog” VMAT and OH Search Dogs Association. Lecture and lab; Dayton, OH
	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: FL TF-4 – Medical Specialist Training. Lecture and lab; Orlando, FL
June 2013	“Working Dog Critical Care – Advanced Emergency Care for the Working Dog” VMAT and FEMA US&R CA TF-5. Lecture and lab; Los Angeles, CA
Aug 2013	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Perry, GA

Oct 2013	“First-Aid and Emergency Care for US&R K-9’s” Medical Specialist Training. Lecture and lab; Miami, FL
Dec 2013	“Working Dog Critical Care – Advanced Emergency Care for the Working Dog” Special Operations Medicine Meeting; Tampa, FL
Jan 2013	“Advanced US&R Canine Care for the Medical Specialist and K-9 Handler” Lecture and Labs; Orlando FL
Mar 2014	“Large Animal First Aid Basics” for Spec Rescue International and Georgia Emergency Management Association; Columbus, GA.
Apr 2014	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Perry, GA
May 2014	“Search Canine Care” FDNY Medical Special Operations Conference. Lab; New York, NY
June 2014	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Perry, GA
Oct 2014	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Perry, GA
	“Animal Decontamination for HazMat Teams” Georgia Emergency Management Agency and Natures Way Animal Rescue Team. Lecture and lab; Forsyth and Cartersville, GA
Dec 2014	“Working Canine Critical Care” Special Operations Medical Association Conference. Lecture and lab; Tampa, FL.
March 2015	“Veterinary Medical Concerns – Technical Large Animal Rescue” Georgia Emergency Management Agency and Nature’s Way Animal Rescue Team and. Lecture; Columbus, GA
	“Equine First Aid for First Responders” Nature’s Way Animal Rescue Team and Georgia Emergency Management Association. Lecture; Columbus, GA
April 2015	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Perry, GA
May 2015	“Search Canine Care” FDNY Medical Special Operations Conference. Lab; New York, NY
Aug 2015	“First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab;

Perry, GA

- Sept 2015 “First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Virginia Beach, VA
- April 2016 “Search Canine Care” FDNY Medical Special Operations Conference. Lab; New York, NY
- “Dogs on Drugs” FDNY Medical Special Operation Conference. New York, NY.
- May 2016 “First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Davie, FL
- Oct 2016 “First-Aid and Emergency Care for US&R K-9’s” Disaster Medical Solutions: Medical Specialist Training. Lecture and lab; Perry, GA

COMMUNITY EDUCATION / OUTREACH

- Dec 2004 “Colic- What every horse owner should know about critical care treatment.” Marion duPont Scott Equine Medical Center Tuesday Talks; Leesburg, VA
- March 2005 “Supplements for lameness?” Equine Event East, Chantilly, VA
- March 2006 “Colic – What every horse owner should know about critical care treatment.” Equestrian Village Meeting; Rochester, NY
- March 2006 “Current thoughts on colic.” Equine Event East, Chantilly, VA
- March 2006 “Disaster planning for the horse owner.” Equine Event East; Chantilly, VA
- Feb 2007 “Dissection of the lower limb.” Lecture and wet lab; Virginia Region Pony Clubs, Leesburg, VA
- Jan 2008 “Respiratory Disease in Performance Horses” Virginia Region Pony Clubs; Leesburg, VA
- Feb 2008 “Equine lower limb anatomy and dissection” Forging Ahead farrier’s group – lecture and wet-lab; Leesburg; VA
- May 2008 “Horse behavior in Emergencies” On-farm Emergency Preparedness Program; Virginia Cooperative Extension and Frederick County Equine Network; Winchester, VA.
- “Horse Identification and Go-Kits” On-farm Emergency

Preparedness Program; Virginia Cooperative Extension and Frederick County Equine Network; Winchester, VA.

“The basics of first aid for your horse” On-farm Emergency Preparedness Program; Virginia Cooperative Extension and Frederick County Equine Network; Winchester, VA.

Dec 2008 “Emergency Care for Equine Wounds and Lacerations” Marion duPont Scott Equine Medical Center Tuesday Talks; Leesburg, VA

Oct 2009 “Preparing for emergencies – horse identification and go-kits” MARE Center Emergency Preparation Seminar. Middleburg, VA

June 2010 “Platelet Rich Plasma: Is It the Future of Ligament and Tendon Injury Care?” with P. Lotsikas article in: *Clean Run Magazine* vol. 16(6), pg 58.

“Working Your Dog in the Heat” Article for: *Central Florida Hunting Retriever Club Newsletter*.

Nov 2010 “Options for the Horse that Roars” Article for: *Florida Horse and Pony*.

Aug 2011 “Wounds – Location, Location, Location” Article for: *Florida Horse and Pony*

Nov 2013 “Roaring in Horses” Article for: *Florida Horse and Pony*

Dec 2014 “Regenerative Medicine and Musculoskeletal Injuries in dogs” Lecture for: Mid-Florida Golden Retriever Club; Lakeland, FL.

COMMUNITY SERVICE

Veterinary Ventures Inc. – international veterinary volunteer organization

- President
- Board Member – 2009 to present
- Spay-neuter campaign to American Samoa, Jan 2006
- Campaign Coordinator – 2007 to present
- Spay-neuter campaign to American Samoa, Feb 2007
- Spay-neuter campaign to Requena, Peru; Jan 2009
- Spay-neuter campaign to Cancun, Mexico; April 2011
- Spay-neuter campaign to San Pedro, Belize: May 2016

AVMA Veterinary Medical Assistance Teams – 2005 to 2016

Virginia Veterinary Response Corp – 2007 to 2010

Virginia State Animal Response Team – 2007 to 2010

National Alliance of State Animal and Agricultural Emergency Programs

Best Practices Working Group

- Core working group member: Veterinary Medical Response – Animal Decontamination, HazMat, and Radiological Issues

Florida State Animal Response Team – 2010 to present

Florida Veterinary Response Corps – 2010 to present