

Name: Martin O. Furr, DVM, Dip ACVIM, PhD, MA Ed.

Business Address: 264 McElroy Hall
Department of Physiological Sciences
Center for Veterinary Health Sciences
Oklahoma State University
Stillwater, Oklahoma 74078
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Education and Degrees

2015 **Master of Arts (Ed)**, Health Professions Education, Michigan State University

Thesis Topic: Factors associated with veterinary clinical faculty attrition

2000 **Doctor of Philosophy**, University of Maryland (College Park)

Dissertation topic: Neuroimmunology of the horse with special reference to Equine Protozoal Myeloencephalopathy

1989 **Certificate of Residency - Large Animal Internal Medicine** Marion duPont Scott Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech

Supervising Diplomat: Dr. Michael J. Murray

1986 **Doctor of Veterinary Medicine**, College of Veterinary Medicine Oklahoma State University, Stillwater, Okla.

Specialty Board Credentials

Diplomat, American College of Veterinary Internal Medicine (By examination, 1991)

Allied Professional Training

Leadership and Communication

Sonoma Institute (of Sonoma, Calif and Washington, D.C.)
80 contact hours

AAVMC Council on Education Training

Site Visitor Training

2 ½ day course dedicated to AAVMC accreditation methods and philosophy, as well as inspection and review methodology

AAVMC Leadership Course I

A training course delivered by the AAVMC focusing on developing leadership skills for veterinary medical educators and administrators.

Leading with Integrity

A 3-day program sponsored by the AAVMC and provided by the Veterinary Leadership Institute

Oklahoma State University Leadership Training

Mental Health First Aid

National Council for Behavioral Health, intended to aid educators in recognizing and providing initial guidance for students with behavioral or mental health crises.

Harvard University- Higher Education Management

A 2 week - long intensive higher education leadership program offered by the Harvard University Management Development Program, with emphasis on organizational management for higher education administrators.

Professional Positions

2021 – current	Senior Assistant Dean – Professional Programs Oklahoma State University College of Veterinary Medicine
2015 – current	Professor and Head of Department, Physiological Sciences, Oklahoma State University College of Veterinary Medicine

Special Projects and Assignments (last 5 years)

1. Developed the College of Veterinary Medicine “Vision Plan for the Future”

2. Developed concept plan for a minimally invasive procedures program, and secured funding (\$1.25 M)
3. Developed plan for a new Clinical Skills Program at OSU, and worked with donors to secure funding
4. At the direction of the Dean, created and completed a holistic review of the House Officers Training programs of all departments
5. Developed the Strategic Plan program for research at OSU CVM
6. Developed, with departmental faculty, a program of interdepartmental and interdisciplinary research ("INTERACT")
7. Developed a mentoring program for new faculty
8. Supervise OSU Equine Research Park (multi-department research facility)

2017 – 2018	Interim Director, Boren Veterinary Medical Teaching Hospital. Oklahoma State University Center for Veterinary Health Sciences
2009-2012	Assistant Department Head, Department of Large Animal Clinical Sciences, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
2009 -2012	Chief of Staff, Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
2008-2009	Chairman, EMC Hospital Management Board
2006 - 2015	Full Professor, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
2004	Appointed Adelaide Riggs Chair of Internal Medicine, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech
2002	Appointed Chief of Medicine, Marion duPont Scott Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech

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| 1995 | Associate Professor of Medicine, Marion duPont Scott Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech |
| 1995 | Awarded promotion with Tenure |
| 1991-1995 | Assistant Professor of Medicine, Marion duPont Scott Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech |
| 1989-1991 | Assistant Professor: Department of Large Animal Clinical Sciences, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech |
| 1987-1989 | Resident in Internal Medicine, Marion duPont Scott Equine Medical Center, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech |
| 1986-1987 | Associate Veterinarian, Niles Animal Clinic, Konawa, Oklahoma |

Honors and Awards

Charles Yont Award for Food Animal Proficiency (1985)
 Salsbury Scholarship for Senior Veterinary Students (1986)
 American Association of Equine Practitioners Scholarship (1988)

Professional Organization Membership/Service

American Veterinary Medical Association- Member (1986-present)
 Virginia Veterinary Medical Association - Member (1992-1996)
 American College of Veterinary Internal Medicine - Member
 American Society of Veterinary Perinatology – Member
 Equine Protozoal Myeloencephalitis Society- Member/officer
 American Association of Equine Practitioners - Member

Courses Taught:

Professional:

Virginia Tech

VM 9404 Physical diagnosis. 1990-1991
VM 9524 Equine Ambulatory Clerkship 1989-1991
VM 9504 Large Animal Medicine Clerkship 1990-1991`

VM 8764 Large Animal Endocrinology 1990
VM 8774 Equine Dermatology 1991
VM 8714: Digestive System II 1991-1996 **Course Leader**
VM 9544: Equine Medical Center Clerkship 1991- 2015
VM 9174: Equine Neonatology and Pediatrics 1991-2005 **Course Leader**
VM 8696: Equine Medicine and Surgery 1995-2015
VM 8644: Veterinary Urology (equine lectures) 2002- 2014

Oklahoma State University

VMED 7114: Physiology 1 (selected lectures) 2015 – current
VMED 7243: Comparative Anatomy **Course Leader** 2016
VMED 7533: Veterinary Toxicology **Course Leader** 2017 - current

Graduate:

Virginia Tech

VM 5614: Principles and methods in equine internal medicine. 1991 – 2015
VM 5615: Large Animal Pathophysiology 1995 - 2015
VM 6534: Mechanisms of Disease in Veterinary Medicine 1995 - 2015
VM 6014: Veterinary Clinical Sciences Residency. 1991 - 2015

Undergraduate:

University of Maryland (College Park)

ANSI 211: Domestic Animal Anatomy 1997-2000
ANSI 412: Disease of Farm Animals 1998-1999

Resident Supervisor for:

Dr. Ben Sykes	2000- 2003
Dr. Richard Hepburn	2001- 2004
Dr. Lucas Pantaleon	2002- 2005
Dr. Emma Mitchell	2003- 2006
Dr. Rachel Atherton	2004- 2007
Dr. Janet Han	2005- 2008
Dr. Emma Dickey	2006- 2009
Dr. Linda Frellstedt	2007- 2010
Dr. Dale Beebe	2008- 2011
Dr. Adrianna Silva	2009- 2012
Dr. Alicia Foley	2010- 2013
Dr. Crystal Hoffman	2011- 2014
Dr. Elizabeth MacDonald	2012- 2015

Residents Trained:

Dr. Lucy Edens	1994	ACVIM Diplomat
Dr. Stuart Jeffrey	1992- 1995	ACVIM Diplomat
Dr. Mike Davis	1992- 1995	ACVIM Diplomat
Dr. Harold McKenzie	1995- 1998	ACVIM Diplomat
Dr. Lutz Goehring	1995- 1998	ACVIM Diplomat
Dr. Kevin Corley	1998- 2001	ACVIM Diplomat
Dr. Lisa Amoroso	1998- 2001	
Dr. Ben Sykes	2000- 2003	ACVIM Diplomat
Dr. Richard Hepburn	2001- 2004	ACVIM Diplomat
Dr. Lucas Pantaleone	2002- 2005	ACVIM Diplomat
Dr. Emma Mitchell	2003- 2006	ACVIM Diplomat
Dr. Rachel Atherton	2004- 2007	ACVIM Diplomat
Dr. Janet Han	2005- 2008	ACVIM Diplomat
Dr. Emma Dickey	2006- 2009	ACVIM Diplomat
Dr. Linda Frellstedt	2007- 2010	ACVIM Diplomat
Dr. Dale Beebe	2008- 2011	
Dr. Adrianna Silva	2009- 2012	ACVIM Diplomat
Dr. Alicia Foley	2010- 2013	ACVIM Diplomat
Dr. Crystal Hoffman	2011- 2014	ACVIM Diplomat
Dr. Elizabeth MacDonald	2012- 2015	ACVIM Diplomat
Dr. Camilla Jamieson	2015- 2016	ACVIM Diplomat
Dr. Jillian Paegalow	2017- 2018	
Dr. Amy Lovett	2018- 2021	

Major Advisor:

Dr. Laurie Goodrich	MS 1996
Dr. Lutz Goehring	MS 1998
Dr. Kevin Corley	MS 2001
Dr. Ben Sykes	MS 2003
Dr. Richard Hepburn	MS 2004
Dr. Lucas Pantaleon	MS 2005
Dr. Rachel Atherton	MS 2007
Dr. Linda Frellstedt	MS 2010
Dr. Adriana Silva	MS 2012
Dr. Crystal Hoffman	MS 2014
Dr. Elizabeth MacDonald	MS 2015
Dr. Natasha Williamson	MS 2021

Graduate Student Committee Service:

Dr. Mike Davis	MS 1997
Dr. David Adam Castillo	MS 2003
Dr. Emma Mitchell	MS 2006

Dr. Marta Werescka	MS 2006
Dr. Janet Han	MS 2008
Dr. Katy Krista	MS 2012
Dr. Jenna Moore	PhD 2013
Dr. Alicia Foley	MS 2013
Dr. Crystal Hoffman	MS 2014
Dr. Sophie Bogers	PhD 2017
Alison Campolo	PhD 2019
Marissa Chappa	MS 2019
W. Jayathilaki	MS 2021

Research and Scholarly Publications

Books

- 1) Equine Neurology, edited by **Furr, M** and Reed, S. Blackwell Publishing, Philadelphia. 2008
- 2) Equine Neurology, 2nd ed. Edited by **Furr, M** and Reed, S. Blackwell Publishing, Philadelphia. 2015

Book Chapters

- 1) **Furr, M.**, White N. *Colic Prognosis* In: Current Topics in Veterinary Surgery, Eds. N. White and J. Moore. J.B. Lippincott Co. New York, NY, 1990.
- 2) Spurlock, S., **Furr, M.**, *Fluid Therapy in the Equine Neonate* In: Equine Clinical Neonatology, Eds. Anne Koterba, W. Drummond. Lea and Febinger, Phil. PA, 1990.
- 3) **Furr, M.** *Colic in the neonatal foal* In: Current Therapy in Equine Practice. 4th Edition. Ed: N.E. Robinson. Saunders, Phil, PA., 1997.
- 4) **Furr, M.** *Selective IgM Deficiency* In: The Five Minute Veterinary Consult-Equine. Eds C. Brown and J. Bertone. Lippincott Williams and Wilkins. Baltimore MD., 2002.
- 5) **Furr, M.** *Colic in the Foal.* In: The Equine Acute Abdomen. Eds: Nathaniel White, James Moore, and Tim Mair. TetonNewMedia, Jackson Wyoming, 2008; pages 392-398.
- 6) Corley, K., and **Furr, M.** *Cardiopulmonary resuscitation of the Newborn Foal.* In: Current Therapy in Equine Practice. 5th Edition. Ed: N. E. Robinson. Saunders, St. Louis Mo., 2003.

- 7) **Furr, M.** *Management of the horse with neurologic disease* In: The hospitalized horse. Ed: Corley, K. and Stephen, J. Blackwell Publishing, Oxford, 2008.
- 8) **Furr, M.** *Atlanto-occipital spinal fluid collection* In: The hospitalized horse Ed: Corley, K. and Stephen, J. Blackwell Publishing, Oxford, 2008.
- 9) **Furr, M.** *Lumbo-sacral spinal fluid collection* In: The hospitalized horse. Ed: Corley, K. and Stephen, J. Blackwell Publishing, Oxford, 2008.
- 10) **Furr, M.** *Monitoring of the horse with neurologic disease* In: The hospitalized horse. Ed: Corley, K. and Stephen, J. Blackwell Publishing, Oxford, 2008.
- 11) **Furr, M.**, and Andrews, F. *Cerebrospinal Fluid and the Blood Brain Barrier* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008.
- 12) **Furr, M.** *Immunology of the Central Nervous System* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 13) **Furr, M.** *Pharmaceutical considerations for treatment of central nervous system disease* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 14) **Furr, M** and Reed, S. *Neurologic examination* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 15) LaCombe V, and **Furr, M.** *Differential diagnosis and management of horses with seizures or alterations in consciousness* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 16) **Furr, M.**, and Reed, S. *Differential Diagnosis of Equine Spinal Ataxia* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 17) **Furr, M.** *Blindness, anisocoria and strabismus* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 18) **Furr, M.** *Horners syndrome* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 19) Sampieri, F., and **Furr, M.** *Differential Diagnosis of Urinary Incontinence and Cauda Equina syndrome* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 20) **Furr, M.** *Bacterial infections of the Central Nervous System* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008

- 21) **Furr, M.** *Equine Protozoal Myeloencephalitis* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 22) **Furr, M.** *Parasitic infection of the Central Nervous System* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 23) **Furr, M.** *Clostridial Neurotoxins* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 24) **Furr, M.** *Miscellaneous infections of the Central Nervous System* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 25) **Furr, M.** *Congenital Malformation of the Nervous System* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 26) **Furr, M.** *Disorders of the Peripheral Nervous System* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 27) **Furr, M.** *Equine Neurotoxic Agents and Conditions* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 28) **Furr, M.** *Hypoxic/ischemic encephalopathy in the foal* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 29) **Furr, M.** *Miscellaneous conditions* In: Equine Neurology, edited by Furr, M., and Reed, S. Blackwell, Phil PA, 2008
- 30) **Furr, M.** *Colic in the Foal.* In: The Equine Acute Abdomen, edited by White, N., Moore, J., and Mair, T. Teton NewMedia, Jackson WY, 2008.
- 31) **Furr, M.** Horner's Syndrome. Current Therapy in Equine Medicine 7th Edition. Robinson E, and Sprayberry, K. (eds). Saunders, Phil, Pa., pg 373-374.
- 32) **Furr, M.** Equine Protozoal Myeloencephalitis. Current Therapy in Equine Medicine 7th Edition. Robinson R, and Sprayberry, K. (eds). Saunders, Phil Pa., pg 188-192.
- 33) **Furr, M.** Cerebrospinal Fluid. In: Equine Neurosurgery, Nout Y, ed. Wiley-Blackwell, Ames, IA.
- 34) **Furr, M.** Diagnosis of foals with colic and abdominal distention. In: The Equine Acute Abdomen. White, N., Moore, J, and Mair, T., eds. 3rd edition. Wiley-Blackwell, Ames IA.

- 35) **Furr, M.** Specific conditions for foals with colic and abdominal distention. In: The Equine Acute Abdomen. White, N., Moore, J, and Mair, T., eds. 3rd edition. Wiley-Blackwell, Ames IA.
- 36) **Furr, M.** Medical management of foals with colic and abdominal distention. In: The Equine Acute Abdomen. White, N., Moore, J, and Mair, T., eds. 3rd edition. Wiley-Blackwell, Ames IA.
- 37) **Furr, M.** Imaging of foals with colic and abdominal distention. In: The Equine Acute Abdomen. White, N., Moore, J, and Mair, T., eds. 3rd edition. Wiley-Blackwell, Ames IA.

Papers in referred journals:

- 1) **Furr, M.**, Spurlock, S. Antibiotic Therapy of Neonatal Septicemia Equine Practice 1989;11(6), 19-23.
- 2) **Furr, M.**, Murray, M. Treatment of Gastric Ulcers in Horses with Histamine Type-2 Receptor Antagonists. Equine Vet J., Supplement 7. Equine Colic, 77-79.
- 3) **Furr, M.**, Tyler, R. Cerebrospinal Fluid Creatine Kinase Activity in horses with Central Nervous System Disease: 69 cases (1984-1989). J Am Vet Med Assoc 1990;197(2),245-248.
- 4) **Furr, M.**, Wise, M., and Anver, M. Intervertebral Disk prolapse in a Horse. J Am Vet Med Assoc 1991;198(12),2095-2096.
- 5) Scarratt, K., **Furr, M.**, and Robertson, J. Encephalomyelitis and hypocalcemia in a pony mare. J Am Vet Med Assoc 1991;199(12),1754-1756.
- 6) **Furr, M.**, Murray, M. The effects of stress on gastric ulceration and serum T3, T4, and cortisol in neonatal foals. Equine Vet J 1992;24(1),37-40.
- 7) **Furr, M.**, and Robertson, J. Two cases of equine pancreatic disease and a review of the literature. Eq Vet Ed 1992;4(2),55-58.
- 8) **Furr, M.**, Crisman, M., Robertson, J., Barta, O., and Swecker, T. Immunodeficiency associated with lymphosarcoma in a horse. J Am Vet Med Assoc 1992;201(2),307-309.
- 9) Moll, H., Bonen-Clark GD., Carrig CB., and **Furr M.** Avulsion of the medial collateral ligament in a foal. J Am Vet Med Assoc 1992;201(5),789-790.
- 10) Pickett, J., Crisman, M., and **Furr, M.** Foreign body (*Burdock pappus*) induced keratitis in horses: 10 cases. J Eq Vet Sc. 1993;13(2),88-91.

- 11) **Furr M.**, Taylor L., and Kronfeld D. The effects of exercise training on serum gastrin responses in the horse. *Cornell Vet* 1994;84,41-45.
- 12) **Furr M.**, and Bender, H. Normal cerebrospinal fluid parameters in the neonatal foal: Birth to 42 days. *Am J Vet Res* 1994;55(6),781-784.
- 13) Ahmed, S., **Furr, M.**, Chickering, W., and Sponenburg, P. Immunoregulatory abnormalities in a horse with lymphosarcoma. *J Immunol and Immunopath* 1993;38,229-239.
- 14) Jeffrey S., **Furr M.**, and Moon M. What is your diagnosis? *J Amer Vet Med Assoc* 1995;206(6),797-798.
- 15) Jeffrey, S., **Furr, M.**, and Murray, M. *Staphylococcus aureus* pneumonia in a mare associated with intravenous catheterisation. *Eq Vet Educ* 1995;7,185-188.
- 16) **Furr, M.** Managing seizure disorders in neonatal foals. *Vet Med* 1996;770-778.
- 17) **Furr, M.**, Lessard P., and White N. The use of a colic chart score to predict the outcome of acute abdominal disease in the horse. *Vet Surg* 1995;24,97-191.
- 18) **Furr, M.** Perinatal asphyxia in foals. *Comp Cont Ed* 1996;18(12),1342-1351.
- 19) **Furr, M.**, Tinker M., and Edens, L. Prognosis for neonatal foals in an intensive care unit. *J Vet Intern Med* 1997;11(3),183-188.
- 20) **Furr, M.**, Chickering, W., and Robertson, J. High resolution protein electrophoresis of equine cerebrospinal fluid. *Am J Vet Res* 1997;58(9)939-941.
- 21) Goodrich, L., **Furr, M.**, and Robertson, J. A toxicity study of eltenac in the horse. *J Vet Pharm Ther* 1998;21;21-33.
- 22) Corley, K., and **Furr, M.** Cardiopulmonary Resuscitation in Newborn Foals. *Comp Cont Educ Pract Vet* 2000;22(10),957-967.
- 23) **Furr, M.**, Quance, J. and Kennedy, T. Safety of an exaggerated dosage of toltrazuril in horses. *Vet Therap* 2000;1(4),245-251.
- 24) **Furr, M.**, and Kennedy, T. Cerebrospinal fluid and blood concentrations of toltrazuril 5% suspension in the horse after oral dosing *Vet Therap* 2000;1(2),125-132.

- 25) Corley, K., McKenzie, H., Amoroso, L., and **Furr, M.** Initial experience with norepinephrine infusion in hypotensive, critically ill foals J Vet Emerg Crit Care, 2000;10(4),267-276.
- 26) **Furr, M.**, Kennedy, T., MacKay, R., Reed, S., Andrews, F., Bernard, B., Bain, F., and Byars, D. Efficacy of ponazuril 15% oral paste as a treatment for Equine Protozoal Myeloencephalitis. Vet Therap 2001;2(3),215-222.
- 27) **Furr, M.**, and Kennedy, T. Cerebrospinal fluid and serum concentrations of ponazuril in horses. Vet Therap 2001; 2(3) 232-237.
- 28) McKenzie, H., and **Furr, M.** Equine Neonatal Sepsis: The pathophysiology of severe inflammation and infection. Compend Cont Educ Pract Vet 2001;23(7), 661-672.
- 29) Corley, K., Donaldson, L., and **Furr, M.** Comparison of lithium dilution and thermodilution cardiac output measurements in anesthetized neonatal foals. Equine Vet J 2002;34(6):598-601.
- 30) Lacombe V., Podell, M., **Furr, M.**, Reed, S., Oglesbee, M., Hinchcliff, K., Kohn, C. Diagnostic validity of electroencephalography in equine intracranial disorders. J Vet Intern Med 2001;15, 385-393.
- 31) **Furr, M.**, and Pontzer, C. Transforming growth factor beta concentrations and interferon gamma responses in cerebrospinal fluid of horses with equine protozoal myeloencephalitis. Equine Vet J 2001; 33(7), 721-725.
- 32) **Furr, M.**, Pontzer, C., and Gasper, P. Lymphocyte phenotype subsets in the cerebrospinal fluid of normal horses and horses with Equine Protozoal Myeloencephalitis. Vet Therap 2001;2(4),317-324.
- 33) Nout, Y. Corley, K., and **Furr, M.** Comparison of direct and indirect methods of blood pressure measurement in foals. JVECC 2002;12(2);1-6.
- 34) **Furr, M.**, MacKay, R., Andrews, F., Schott, H., and Granstrom, D. Clinical diagnosis of Equine Protozoal Myeloencephalitis (EPM): ACVIM Consensus Statement. J Vet Intern Med 2002;16(5):618-621.
- 35) **Furr, M.** Antigen-specific Antibodies in Cerebrospinal Fluid after Intramuscular Injection of ovalbumin in Horses. J Vet Intern Med 2002;16(5):588-592.
- 36) **Furr, M.**, and Mogg, T. Antimicrobial treatment neonatal foals. Comp Cont Educ Pract Vet 2003;25(4):302-309.

- 37) McKenzie, H and **Furr, M.** Aminoglycoside antibiotics in neonates. *Comp Cont Educ Pract Vet* 2003; 25(6):457-469.
- 38) Corley, K., and **Furr, M.** Evaluation of a score designed to predict sepsis in foals. *J Vet Emer Crit Care* 2003;13(3):149-155.
- 39) **Furr, M.** Systemic Inflammatory Response Syndrome, Sepsis, and Antimicrobial Therapy. *Clin Tech in Equine Practice* 2003;2(1):3-8.
- 40) Adam-Castillo, D., White, N, Donaldson, L, **Furr, M.** Effects of injection of botulinum toxin type b into the external anal sphincter on anal pressure of horses. *Am J Vet Res* 2004;65(1):26-30.
- 41) Hepburn, R., and **Furr, M.**, Sinonasal Adenocarcinoma Causing Central Nervous System Disease in a Horse. *J Vet Intern Med* 2004;18:125-131.
- 42) Corley, K.T., Donaldson, L., and **Furr, M.** Arterial lactate concentration, hospital survival, sepsis and SIRS in critically ill neonatal foals. *Equine Vet J* 2005;37(1):53-59.
- 43) Sykes, B., **Furr, M.** Equine endotoxemia: a state of the art review. *Aust Vet J* 2005;83(1):45-50.
- 44) Sykes, B., **Furr, M.**, and Giguere, S. In vivo pretreatment with PGG-glucan fails to alter cytokine mRNA expression of equine peripheral blood mononuclear cells exposed to endotoxin ex vivo. *Vet Therap* 2005;6(1):67-76.
- 45) **Furr, M.** Immunology, pathophysiology and diagnosis of equine protozoal myeloencephalitis. *Clin Tech Eq Prac* 2006;5 (1):3-8.
- 46) **Furr, M.**, MacKenzie, H., Dubey, J., Saville, W., Reed, S. Pretreatment of horses with ponazuril limits infection and neurologic signs resulting from *S. neurona*. *J Parasitology* 2006;92(3):637-643.
- 48) Rohrback, B., Buchanan. B., Drake, J. Andrews, F., Bain, F., Byars, T., Bernard, W., **Furr, M.**, Paradis, M., Lawler, J., Giguere, S., Dunkel, B. Use of a multivariable model to estimate the probability of discharge in hospitalized foals that are 7 days of age or less. *J Amer Vet Med Assoc* 2006;228 (11):1748-1756.
- 49) Hess, T., Treiber, H., Kronfeld, D., **Furr, M.** Insulin Resistance Demonstrated by a Specific Quantitative Method in a Hyperlipemic, Laminitic Pony. *J Eq Vet Sci* 2006;26(6):271-274.
- 50) Atherton, R.P., **Furr, M.** Endotoxin Release After Antimicrobial Treatment is Mediated by Antimicrobial Class. *J Eq Vet Sci* 2006;26(8):356-363.

- 51) Mitchell, E., **Furr, M.O.**, McKenzie, H.C. Bacterial meningitis in five mature horses. *Equine Vet Educ* 2006;18(5):249-255.
- 52) Pantaleon, L.G., **Furr, M.O.**, McKenzie, H.C., Donaldson, L. Cardiovascular and Pulmonary Effects of Hetastarch Plus Hypertonic Saline Solutions during Experimental Endotoxemia in Anesthetized Horses. *J Vet Intern Med* 2006; 20(6):1422-1428.
- 53) Werezka, M.W., White, N.A., **Furr, M.O.** Factors associated with outcome following treatment of horses with septic tenosynovitis: 51 cases (1986-2003). *J Amer Vet Med Assoc* 2007;230(8):1195-1200.
- 54) **Furr, M.O.** Humoral Immune Responses in the Horse after Intrathecal Challenge with Ovalbumin. *J Vet Intern Med* 2007;21(4):806-811.
- 55) Pantaleon, L.G., **Furr, M.O.**, McKenzie, H.C., Donaldson, L. Effects of Small- and Large-Volume Resuscitation on Coagulation and Electrolytes during Experimental Endotoxemia in Anesthetized Horses. *J Vet Intern Med* 2007; 21(6):1374-1379.
- 56) Mitchell, E., MacKenzie, H., and **Furr, M.** Antibacterial therapy for bacterial meningitis. *Equine Vet Ed* 2007;19(6):316-323.
- 57) Cohen, N., MacKay, R.J., Toby, E., Andrews, F. M., Barr, B., Beech, J., Bernard, W.V., Clark, C. K., Divers, T.J., **Furr, M.O.**, Kohn, C.W., Levy, M., Reed, S.M., Seahorn, T.L. and Slovis, N.M. A multicenter case-control study of risk factors for equine protozoal myeloencephalitis. *J Amer Vet Med Assoc* 231(12); 1857-1863, 2007.
- 58) Atherton, R.P., Mitchell E, McKenzie H, **Furr M.** Traumatic fracture of the basisphenoid and secondary bacterial meningitis in a thoroughbred gelding. *Eq Vet Ed* 2007;19(7):359-364.
- 59) Hollis A.R., **Furr M.O.**, Magdesian K.G., Axon J. E., Ludlow V. and Corley K.T.T. Blood Glucose Concentrations in Critically Ill Foals: a retrospective study. *J Vet Intern Med* 22(5), 1223-1227, 2008.
- 60) Atherton R, McKenzie H, and **Furr M.** Acute Colitis: Pathophysiology and noninfectious causes. *Comp Equine: Comp Cont Educ Pract Vet*, Oct; 366-374, 2009.
- 61) Atherton R, McKenzie H, and **Furr M.** Acute Colitis: Infectious causes. *Comp Equine: Comp Cont Educ Pract Vet*, Oct; 375-380, 2009.
- 62) Atherton R, McKenzie H, and **Furr M.** Treating Acute Colitis. *Comp Equine: Comp Cont Educ Pract Vet*, Nov/Dec; 416-427, 2009.

- 63) Levine J, Scrivani P, Divers T, **Furr M**, Mayhew J, Reed S, Levine G, Foreman J, Boudreau C, Credille B, Tennent-Brown B, Cohen N. Multicenter case-control study of signalment, diagnostic features, and outcome associated with cervical vertebral malformation-malarticulation in horses. *J Amer Vet Med Assoc* 237(7), 812-822, 2010.
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- 87) **Furr, M** and Raczkoski, B. Perceptions of training, self-efficacy, and mentoring among veterinary clinical specialty trainees. *J Amer Vet Med Assoc* 2021, 259(5),528-538.
- 88) **Furr, M** and Raczkoski, B. A decision-tree model of career choice for veterinarians in clinical residency programs. *J Amer Vet Med Assoc* 2021 doi: <https://doi.org/10.2460/javma.21.02.0075>.
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Papers in referred conference proceedings

- 1) **Furr, M.**, Tinker M., and Edens, L. Prognostic factors for neonatal foals. *Proceedings of the 13th ACVIM Forum*, 1995;588-590.
- 2) **Furr, M.** Perinatal asphyxia of foals. *Proceedings of the 15th ACVIM Forum* 1997; 474-476.
- 3) **Furr, M.** Seizure disorders in the horse. *Proceedings of the 15th ACVIM Forum* 1997;486-487.
- 4) **Furr, M.**, and Reed, S. Electroencephalography in the horse. *Proceedings of the 16th ACVIM Forum* 1998;156.
- 5) Reed, S., Lacombe, V., Podell, M., **Furr, M.** Electroencephalography in the evaluation of three horses with seizures. *Proceedings of the 16th ACVIM Forum* 1998;157-158.
- 6) **Furr, M.** Antimicrobial treatments for the septic foal. *Proceedings of the 13th North American Veterinary Conference* 1999;86-87.

- 7) **Furr, M.** Neuroimmunology in the horse, with special reference to equine protozoal myeloencephalitis. Proc 19th ACVIM Forum 2001;213-214.
- 8) **Furr, M.** Diagnosis and treatment of colic in the neonatal foal. Proc 19th ACVIM Forum 2001;269-271.
- 9) **Furr, M.** Diagnosis and treatment of EPM, Proceedings North Carolina Veterinary Symposium, 2001.
- 10) **Furr, M.** Neurologic examination and differential diagnosis of neurologic diseases in horses. Proceedings VLS Equine Continuing Education Seminar Series 2001;46-52.
- 11) **Furr, M.** Neurologic examination and differential diagnosis of horses with nervous system disease. Proceedings of the 16th North American Veterinary Conference (Large Animal) Volume 2002;16;66-69.
- 12) **Furr, M.** Intravenous nutrition in horses: A clinical perspective. Proceedings of the 20th ACVIM Forum 2002;186-187.
- 13) **Furr, M.** Equine Neurologic examination. Proceedings of the Central Veterinary Conference, 2002.
- 14) **Furr, M.** Equine Protozoal Myeloencephalitis. Life cycle, diagnosis and treatment. Proceedings of the Central Veterinary Conference, 2002.
- 15) **Furr, M.** Evaluating colic in the neonatal foal. Proceedings of the Central Veterinary Conference, 2002.
- 16) **Furr, M.** Non-steroidal anti-inflammatory toxicity in horses Proceedings of the Central Veterinary Conference, 2002.
- 17) **Furr, M.** Seizure disorders and neurology of neonatal foals. Proceedings of the Central Veterinary Conference, 2002.
- 18) **Furr, M.** Nursing care of the critical neonatal foal Proceedings of the Central Veterinary Conference, 2002.
- 19) **Furr, M.** Neurologic examination of the horse. Proceedings of the Voorjarsdagen 2004 Congress. Pg 165-6, 2004.
- 20) **Furr, M.** Differential diagnosis of equine spinal ataxia. Proceedings of the Voorjarsdagen 2004 Congress. Pg 165-6, 2004.
- 21) **Furr, M.** Treatment of spinal ataxia. Proceedings of the Voorjarsdagen 2004 Congress. Pg 166-7, 2004.

- 22) Eastman, E., **Furr, M.**, McKenzie, H., Saville, W., Dubey, J. P. Early diagnosis of *Sarcocystis neurona* infection using blood gene expression biomarkers. Proceedings of the AAEP Annual Meeting 51:175-176, 2005.
- 23) **Furr, M.** Neurologic examination and differential diagnosis of neurologic disease in horses. Proceedings Oklahoma State University Fall Conference for Veterinarians. Stillwater; 2006.
- 24) **Furr, M.** Treatment of Spinal Ataxia. Proceedings Oklahoma State University Fall Conference for Veterinarians; 2006.
- 25) **Furr, M.** Equine Protozoal Myeloencephalitis: Update on diagnosis and treatment. Proceedings Oklahoma State University Fall Conference for Veterinarians; 2006.
- 26) **Furr, M.** Ancillary Diagnostic Testing for horses with neurologic disease. Proceedings Oklahoma State University Fall Conference for Veterinarians; 2006.
- 27) **Furr, M.** Equine Herpesvirus. Proceedings, Oklahoma State University Fall Conference for Veterinarians; 2006.
- 28) **Furr, M.** Diagnosis of EPM. Proceedings, 20th Annual Meeting of the American College of Veterinary Internal Medicine. Montreal Canada, 2009
- 29) **Furr, M.** Neurologic Examination and differential diagnosis of neurologic disease in horses. Proceedings, Pferdemedizin 2012, 6-11, Wainhoven, Austria.
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- 31) **Furr, M.** Update on diagnosis and treatment of EPM. Proceedings Annual Meeting of the ACVIM, 2014.
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Papers presented and professional meetings

Research Data:

- 1) Treatment of gastric ulcers in mature horses with histamine type 2 receptor antagonist. 3rd Annual Colic Research Symposium Athens, Ga, 1988.
- 2) The effects of stress on gastric ulceration and selected hormones in neonatal foals. Annual Meeting American College of Veterinary Internal Medicine San Diego, Calif., 1989.
- 3) The effects of stress on gastric ulceration and serum T3, T4, and cortisol in neonatal foals. American Association of Equine Practitioners Boston, Mass, 1989.
- 4) Cerebrospinal fluid creatine kinase as a diagnostic aid in equine neurologic disease. Annual Meeting American College of Veterinary Internal Medicine Washington, D.C., 1990.
- 5) The effects of treadmill exercise on serum gastrin: A pilot study. Fourth Annual Colic Research Symposium Athens, Georgia, 1991.
- 6) The use of a colic chart score to predict the outcome of acute abdominal disease in the horse. Fourth Annual Colic Research Symposium Athens, Georgia, 1991.
- 7) Cerebrospinal fluid parameters in the neonatal foal: Birth to 42 days of age. Annual Meeting American College of Veterinary Internal Medicine San Diego, California, 1992.
- 8) Prognosis of foals undergoing intensive care treatment. Dorothy Russel Havermeyer Neonatal Septicemia Workshop Westminister, Ma, 1994.
- 9) Prognostic factors in the equine neonate. American College of Veterinary Internal Medicine Lake Beuna Vista, Fla, 1995.
- 10) Eastman, E., **Furr, M.**, McKenzie, H., Saville, W., Dubey, J. P. Early diagnosis of *Sarcocystis neurona* infection using blood gene expression biomarkers. ACVIM Annual Meeting (EPM Special Interest Group), Baltimore, MD, 2005.
- 11) Furr, M., and Howe, D. Diagnosis of EPM using antibody indexes. ACVIM Annual Meeting (EPM Special Interest Group), San Antonio TX. 2008
- 12) Frellstedt L, **Furr M**, and Geor R. Sick foals do not demonstrate evidence of oxidative stress. Virginia Research Day, September 2011.
- 13) Frellstedt L, **Furr M**, McKenzie H, and Barrett J. Induction and characterization of endotoxin tolerance in equine peripheral blood

mononuclear cells *in vitro*. Annual Meeting American College of Veterinary Internal Medicine

- 14) **Furr, M.** The effects of blood contamination on equine cerebrospinal fluid evaluation. Annual Meeting of the American College of Veterinary Internal Medicine, May 2012, New Orleans, LA.
- 15) Bogers, S., Barrett, J., **Furr, M.**, and White, N. Three Dimensional culture of equine mesenchymal stem cells. Annual Meeting of the American College of Veterinary Surgeons.
- 16) **Furr, M.** Update on diagnosis and treatment of EPM. Annual Meeting of the American College of Veterinary Internal Medicine. Nashville, TN. Date: June 5, 2014
- 17) Hoffman, C., McKenzie H, Desrochers, A., **Furr M.** Glucocorticoid Receptor Density and Binding Affinity in Horses with Systemic Inflammatory Response Syndrome. Graduate Student Research Day. Blacksburg, Va. March 21, 2014
- 18) Bogers, S., Barrett, J., **Furr M.**, White, N. Anti-inflammatory Effects of Equine Bone Marrow Derived Stem Cells in Three-Dimensional Culture. Graduate Student Research Day. Blacksburg, Va. March 21, 2014
- 19) MacDonald, E., McKenzie H, Barrett, J., **Furr M.** Anti-inflammatory effects of bone marrow derived stem cells. Graduate Student Research Day. Blacksburg, Va. March 21, 2014
- 20) Hoffman, C., McKenzie H, Desrochers, A., **Furr M.** Glucocorticoid Receptor Density and Binding Affinity in Horses with Systemic Inflammatory Response Syndrome. Annual Meeting of the ACVIM. Nashville TN. June 5, 2014
- 21) **Furr M**, Goehring, L. The effects of co-incubation of cerebrospinal fluid from EPM affected horses on PBMC proliferative responses. Equine Protozoal Myeloencephalitis Society Meeting. Lexington, KY. October 23, 2014
- 22) Bogers, S., Barrett, J., **Furr M.**, White, N. Three-Dimensional Culture of Equine Mesenchymal Stem Cells. American College Veterinary Surgeons. San Diego, Calif

Other papers and reports:

- 1) **Furr, M.** Case Study: Does this foal have ulcers? Modern Horse Breeding. Vol VII. No. 4. pgs 24-25.

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- 3) **Furr, M.**, and Robertson, J. Final report: A drug safety study of Cerm 10202 administered orally as a gel formulation in horses. Intervet America. 1995.
- 4) **Furr, M.** Final Report: Treatment of horses with EPM with various doses of ponazuril. Bayer Study # 150-664. 2000.
- 5) **Furr, M. et al.** Diagnosing Equine Protozoal myeloencephalitis. Vet Exchange Comp Cont Educ Pract Vet (Suppl) Vol 22, No 7(A), 2000.
- 6) **Furr, M.** Neuroimmunology of the horse with special reference to Equine Protozoal Myeloencephalitis. PhD Dissertation, University of Maryland, 2000.
- 7) **Furr, M.** Final Report: Pharmacokinetic of ponazuril given with or without oil to normal horses. Bayer Study # 151-344. 2001.
- 8) **Furr, M.** Final Report : Pharmacokinetics of various doses of ponazuril in normal horses. Bayer Study # 151- 345. 2001.
- 9) **Furr, M.**, Andrews, F., and Reed, S. Ponazuril for the treatment of Equine Protozoal Myeloencephalitis- a round table discussion. Clinical Advances-Comp Cont Educ Pract Vet (Suppl) Vol 23. No10(A), 2001; 27-31.
- 10) **Furr, M.** Pharmacokinetics of two forms of ponazuril given to normal horses. Bayer Study # 151-465. 2002.
- 11) **Furr, M.**, Reed, S., Byars, D., et al. A roundtable discussion on recent clinical experience with Marquis. 2002.
- 12) **Furr, M.** Research efforts focus on EPM Prevention. The Horse, January, 2009.
- 13) **Furr, M.**, and Sullins, K. A High Dose Tolerance Study of Cisplatin Beads in Horses. Confidential Study Report, Royer Biomedical. July 2010.
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Abstracts:

- 1) **Furr, M.**, Murray MJ. The Effects of Stress on Gastric Ulceration and serum T3, T4, and Cortisol in Neonatal Foals. J Vet Int Med 1989;3(2),114.
- 2) **Furr, M.**, and Murray, M. Treatment of Gastric Ulcers in Mature Horses with Histamine Type 2 Receptor Antagonist. Proc 3rd Annual Colic Research Symposium.
- 3) **Furr, M.**, and Tyler, R. Cerebrospinal Fluid Creatine Kinase as a Diagnostic aid in Equine Neurologic Disease. J Vet Int Med 1990;4(2),106.
- 4) **Furr, M.**, and Kronfeld, D. The effects of treadmill exercise on serum gastrin: A pilot study. Symposium Abstracts Fourth Annual Colic Research Symposium 1990, 26.
- 5) **Furr, M.**, Lessard, P., and White, N. The use of a colic chart score to predict the outcome of acute abdominal disease in the horse. Symposium Abstracts Fourth Annual Colic Research Symposium 1990, 11.
- 6) **Furr, M.**, and Bender, H. Cerebrospinal fluid parameters in the neonatal foal: Birth to 42 days of age. J Vet Int Med 1992; 6(2),138.
- 7) **Furr, M.**, Kennedy, T. Cerebrospinal fluid and serum concentrations of ponazuril in horses. Clinical Advances- Comp Cont Educ Pract Vet (Suppl) 2001;23(10A), 26.
- 8) **Furr, M.**, Kennedy, T., MacKay, R., et al. Efficacy of ponazuril 15% oral paste as a treatment for Equine Protozoal Myeloencephalitis. Clinical Advances- Comp Cont Educ Pract Vet (Suppl) 2001;23(10A), 24.
- 9) **Furr, M.** Normal cerebrospinal fluid values in the foal: Birth to 42 days. Proceedings of the 10th Annual ACVIM Forum 1992, 821.
- 10) **Furr, M.** Cerebrospinal fluid creatine kinase in horses with neurologic disease. Proceedings of the 8th ACVIM Forum 1990, 1109.
- 11) **Furr, M.** The effects of stress on gastric ulceration and serum t3, t4 and cortisol in neonatal foals. Proc 7th ACVIM Forum 1989,126.
- 12) Corley KTT and **Furr, M.** (1999) Evaluation of the sepsis score for neonatal septicaemia - British Equine Veterinary Association Annual Congress, Harrogate, UK 38, 182.
- 13) Corley KTT, LL Donaldson and **Furr, M.** (2001). Validation of lithium dilution cardiac output measurements in neonatal foals - British Equine Veterinary

Association Annual Congress, Harrogate, UK 40, 220

- 14) Corley KTT and **Furr, M.** (2002) Evaluation of the sepsis score for neonatal septicemia - International Veterinary Emergency and Critical Care Symposium, San Antonio 8,793.
- 15) **Furr, M.**, Andrews F., MacKay, R., et al. Efficacy of Marquis (ponazuril) as a treatment for equine protozoal myeloencephalitis. Proc 47th Annual Meeting of the AAVP 47,55.
- 16) Corley, K., and **Furr, M.** Evaluation of the sepsis score for neonatal septicemia. Proceedings of the 38th British Equine Veterinary Association Congress, London, 1999, pp182.
- 17) Hepburn, R.J., Murray, M.J., **Furr, MO.**, McKenzie, HC., Ward, DL. Demonstration of urease activity in the equine stomach and application of the 13C urea blood test to the horse. Journal Vet Intern Med 18(3), 2004.
- 18) Hepburn, R.J., Murray, M.J., **Furr, MO.**, McKenzie, HC., Ward, DL. Demonstration of urease activity in the equine stomach and application of the 13C urea blood test to the horse. In: Proceedings of the 23rd Veterinary Medical Forum, American College of veterinary Internal Medicine, Minneapolis, MN. 2004.
- 19) **Furr, M.** Immunomodulatory effects of equine cerebrospinal fluid. EPM Special Interest Group, American College of Veterinary Internal Medicine, Baltimore, MD, June 1, 2005.
- 20) Eastman, E., **Furr, M.(presenter)** McKenzie, H., Saville, W., Dubey, J. P. Gene expression in horses challenged with *S. neurona*. EPM Special Interest Group, American College of Veterinary Internal Medicine, Baltimore, MD, June 1, 2005.
- 21) Pantaleon, L. **Furr, M. O.**, McKenzie, HC. Donaldson, L. Cardiopulmonary effects of small volume fluid resuscitation in anesthetized endotoxemic horses. In *Proceedings of the 24th Veterinary Medical Forum*, American College of Veterinary Internal Medicine, Louisville, June, 2006.
- 22) Johnson, A.K., Furr, M.O., and McKenzie, H.C. Vasopressin compared to norepinephrine infusion in hypotensive critically-ill neonatal foals. In *Proceedings of the 12th International Veterinary Emergency and Critical Care Symposium*, Veterinary Emergency and Critical Care Society, San Antonio, September, 2006.

- 23) Johnson, A.K., **Furr, M.O.**, McKenzie, H.C. Vasopressin compared to neorepinephrine infusion in hypotensive critically-ill neonatal foals. *J Vet Emerg Crit Care* 2006;16(3) Supp 2, S10.
- 24) Atherton, R.P., **Furr, M.O.**, McKenzie, H.C., Effect of hyperimmunized "antidiarrheal " plasma therapy in the management of acute equine colitis. In *Proceedings of the 25th Veterinary Medical Forum*, American College of Veterinary Internal Medicine, Seattle, June, 2007.
- 25) Atherton, R.P., **Furr, M.O.**, McKenzie, H.C., Effect of hyperimmunized "antidiarrheal " plasma therapy in the management of acute equine colitis. *J Vet Intern Med* 2007;21(3):579-580.
- 26) Frellstedt, L., **Furr, M.O.** Endotoxin tolerance in vitro in equine lymphocytes. *J Vet Intern Med*, 2010;24(3):709-710.
- 27) **Furr, M.** Effects of blood contamination on equine cerebrospinal fluid parameters. *J Vet Intern Med* 2012.
- 28) Hoffman, C., McKenzie H, Desrochers, A., **Furr M.** Glucocorticoid Receptor Density and Binding Affinity in Horses with Systemic Inflammatory Response Syndrome. Graduate Student Research Day. Blacksburg, Va., March 21, 2014.
- 29) Bogers, S., Barrett, J., **Furr M.**, White, N. Anti-inflammatory Effects of Equine Bone Marrow Derived Stem Cells in Three-Dimensional Culture. Graduate Student Research Day. Blacksburg, Va., March 21, 2014.
- 30) MacDonald, E., McKenzie H, Barrett, J., **Furr M.** Anti-inflammatory effects of bone marrow derived stem cells. Graduate Student Research Day. Blacksburg, Va., March 21, 2014.
- 31) Hoffman, C., McKenzie H, Desrochers, A., **Furr M.** Glucocorticoid Receptor Density and Binding Affinity in Horses with Systemic Inflammatory Response Syndrome. Annual Meeting of the ACVIM, Nashville TN, June 5, 2014.
- 32) Bogers, S., Barrett, J., **Furr M.**, White, N. Three dimensional culture of equine mesenchymal stem cells. Annual Meeting of the American College of Veterinary Surgeons. San Diego, CA. 2014.
- 33) MacDonald, E., McKenzie, H., Barrett, J., and **Furr, M.** Influence of mesenchymal stem cells on the response of PBMCs to endotoxin. Virginia-Maryland Regional College of Veterinary Medicine Research Day. Blacksburg, Va. 19 Mar 2015.

- 34) Bogers SH, Barrett JG, White NA, **Furr MO**. Three-dimensional culture of equine mesenchymal stem cells. 2014 ACVS Veterinary Symposium. San Diego, CA. October 2014. (Podium presentation)
- 35) W.M.N.K. Jayathilake, N.B. Clary, M. de Laat, M. Furr, R. Carlos, V.A. Lacombe equine insulin dysregulation induces higher expression of acute phase proteins in a tissue-specific manner

Sponsored Research:

- 1) The effects of stress upon gastric ulceration, T3, T4, rT3, and cortisol in the neonatal foal. **Furr, M.**, and Murray, M. American Association of Equine Practitioners. (1987) \$2000
- 2) Clinical testing of a prognostic score for horses with colic. White, N., **Furr, M.**, and Lessard, P. Virginia Tech Clinical Research Grant. (1988) \$1150
- 3) Cerebrospinal fluid parameters in the neonatal foal: Birth to 42 days. **Furr, M.**, and Bender, H. Virginia Tech Clinical Research Grant. (1989) \$2000
- 4) The use of IM Adequan as a treatment for navicular disease: A double blind study. Crisman, M., and **Furr, M.** Luitpold Pharmaceuticals. (1989) \$4500
- 5) Proposal for the development of a plasmapheresis program at the Equine Medical Center. **Furr, M.** The Equine Research Fund. (1990) \$5000
- 6) A 90-Day drug safety study of CERM 10202 in Horses Robertson, J., and **Furr, M** (Co-PI) Intervet International. (1991) \$203,509
- 7) A 15 Day safety study of Eltenac in the horse. Robertson, J and **Furr, M.** (Co-PI) Schering-Plough Research Institute. (1992) \$98,000
- 8) High resolution protein electrophoresis of cerebrospinal fluid in the horse. **Furr, M.** and Chickering W. Virginia Tech Clinical Research Grants. (1995) \$2475
- 9) Evaluation of clinical methods of pulmonary function assessment in the standing horse. Murray, M., Davis, M., Donaldson, L., **Furr, M.** Virginia Tech Clinical Research. (1995) \$1854
- 10) Evaluation of clinical methods of pulmonary function assessment in the standing horse. Murray, M. Davis, M., Donaldson, L., **Furr, M.** The Equine Research Fund. (1995) \$11,000

- 11) Evaluation of COSEQUIN in induced arthritic disease of the horse: A pilot study. White, N., **Furr, M.**, and Robertson, J. Nutramax Corporation.(1996) \$28,000
- 12) Immunosuppressive factors in the cerebrospinal fluid of horses with Equine Protozoal Myelitis. **Furr, M.**, Ahmed, S. Virginia Horse Industry Board. (1997) \$15,340
- 13) Pathophysiology of the cerebrospinal fluid in the cerebrospinal fluid of horses with Equine Protozoal Myelitis. **Furr, M.**, Gasper, P. Virginia Horse Industry Board. (1998) \$16,250
- 14) An efficacy study of ponazuril in horses with Equine Protozoal Myeloencephalitis. **Furr, M** Bayer Animal Health. (1998) \$115,000
- 15) Electroencephalography in the normal horse. **Furr, M.** Virginia Tech Clinical Research Grant. (1998) \$2,500
- 15) Pharmacokinetic determination of ponazuril in the serum and CSF of horses **Furr, M** Bayer Animal Health. (1999) \$28, 000
- 16) The effects of dopamine on lithium dilution cardiac output in neonatal foals. **Furr, M.** and Corley, K. Patricia Bonsall Stuart Grant. (1999) \$14, 350
- 16) A field vaccine efficacy study for EPM. Cohen, N and **Furr, M.** Fort Dodge Animal Health. (2000) \$15,000
- 17) PGG-glucan in an equine endotoxemia model. **Furr, M** and Sykes, B. Virginia Horse Industry Board. (2001) \$ 6,835
- 18) PGG-glucan in an equine endotoxemia model. **Furr, M** and Sykes, B. Patricia Bonsall Stuart Research Fund. (2001) \$1,650
- 19) Pharmacokinetics of two forms of ponazuril in the horse. **Furr, M.** Bayer Animal Health. (2002) \$9,850.
- 20) The effects of hetastarch and hypertonic saline for treatment of equine endotoxic shock. **Furr, M.**, and Panteleon, L. Patricia Bonsall Stuart Research Fund. (2003) \$12, 752.
- 21) The effects of prophylactic treatment of ponazuril on the clinical signs in horses given *Sarcocystis neurona*. Furr, M. Bayer Animal Health. (2003) \$150,069.

- 22) DNA gene expression in horses with cervical compression or wobblers syndrome: a clinical study. **Furr, M.** Genetraks, Pty, Ltd. (2003) \$65,000 (approximate)
- 23) DNA gene expression in an induced model of EPM in horses. **Furr, M.** Genetraks, PTY, Ltd. (2003) \$21, 465
- 24) The effects of Microlactin in an induced arthritis model. **Furr, M.**, Farnam Inc., (2004) \$24,500
- 25) Efficacy of tramadol: a pilot study. **Furr, M.**, Farnam Inc. (2004), \$29,500
- 26) Serum calcitonin gene regulated peptide (CGRP) concentrations in the horse and their relationship to the systemic inflammatory response. McKenzie, H., Mitchell, E., **Furr, M.** Patricia Bonsall Stuart Award for Equine Studies, VMRCVM, (2003), \$7585.
- 27) Development of antibodies to the equine CD14 receptor. **Furr, M.**, and Huckle, B. Patricia Bonsall Stuart Award for Equine Studies, VMRCVM, (2004), \$14,500.
- 28) Treatment of infiltrative melanomas in horses with frankincense oil (FO). Robertson, J and **Furr, M.** Patricia Bonsall Stuart Award for Equine Studies, VMRCVM, (2006), \$15,000.
- 29) Peripheral blood neutrophil apoptosis in horses with gastrointestinal disease. White, N., Werescka, M., **Furr, M.** Patricia Bonsall Stuart Award for Equine Studies, VMRCVM, (2006), \$14,000
- 30) Pharmacokinetics of tramadol paste for intravenous administration in horses. **Furr, M.** Farnam, Inc. (2006) \$14,500
- 31) Pharmacokinetics of injectable tramadol for intravenous administration in horses. **Furr, M.** Farnam, Inc. (2006) \$16,229
- 32) Pharmacokinetics Of A Sustained Release Glucosamine Hydrochloride Formulation In Plasma Of Horses (Project #2) **Furr, M.** Farnam, Inc. (2006). \$2899
- 33) Pharmacokinetics Of A Sustained Release Glucosamine Hydrochloride Formulation In Plasma Of Horses (Project #1). **Furr, M.** Farnam, Inc. (2006) \$2899
- 34) The Role of the CD14 Receptor in Equine Endotoxemia. **Furr, M.** Virginia Horse Industry Board, (2010) \$6500

- 35) A High Dose Tolerance Study of Cisplatin Beads in Horses. **Furr, M.**, and Sullins, K. Royer Biomedical. (2010) \$9000
- 36) A dose-ranging response study of encapsulated tramadol hydrochloride in the horse. **Furr M.** Veterinary Products Laboratories (2011) \$45,540
- 37) Characterization of aerosolized IgG in equine respiratory tract. MacKenzie H, **Furr M**, Beebe D. Virginia Horse Industry Board (2009) \$12,635
- 38) Effects of probiotics in equine immune responses. **Furr M.**, and Lin JJ. Maryland Industrial Partnerships (2011) \$84,450.
- 39) Anti inflammatory effects of equine bone marrow stem cells in equine endotoxemia. **Furr M**, and Barrett J. (2012) Virginia Tech Internal Grant Program (2012), 19,850.
- 40) The effects of equine bone marrow stem cells on equine endotoxemia. **Furr M**, and Barrett J. (2012) Virginia Horse Industry Board (2012), 9,650
- 41) Toxicity of Cisplatin Beads in Horses. **Furr, M.** PI, (2015) Royer Biomedical Corporation. 41, 800.
- 42) Research on the treatment of EMS and laminitis with donepezil. **Furr, M**, PI (2015-2016). Private support, \$40,000.
- 43) Effects of CSF collection site on indices for the diagnosis of EPM. **Furr, M.** PI. (2020-2021) OSU CVM RAC Grants Program, \$8,700.

Outreach

Professional

- 1) Neurologic Disorders of the Foal. Winter Meeting, Maryland Veterinary Medical Association Washington, D.C. 1987.
- 2) Medical Management of Gastric Ulcers in Foals. VMR-CVM Alumni Association Meeting Blacksburg, VA., 1990.
- 3) Selected Aspects of Neonatal Equine Neurologic Disease. Virginia Veterinary Medical Association, Leesburg, VA., 1992.
- 4) Equine Neurology- A one day short course for veterinarians Maryland Association of Equine Practitioners, College Park, MD., 1996.

- 5) Equine Neurology Case Studies. Maryland Veterinary Medical Association-Summer Meeting, Ocean City, Md.
- 6) Perinatal Disorders of the Mare. EMC "Tuesday Talks" Leesburg, VA., 1996.
- 7) Perinatal Asphyxia of foals. Annual Meeting American College of Veterinary Internal Medicine Lake Beuna Vista, FLA., 1997.
- 8) Seizure Disorders of the horse. Annual Meeting American College of Veterinary Internal Medicine Lake Beuna Vista, FLA., 1997.
- 9) Diagnostic Techniques for Lower Respiratory Disease. Annual Meeting Virginia Veterinary Medical Association, Richmond VA., 1998.
- 10) Respiratory Conditions of Foals. Annual Meeting Virginia Veterinary Medical Association Richmond, VA., 1998.
- 11) Electroencephalography in the horse. ACVIM Annual Conference. 1998
- 12) Equine Neurology- a one day short course for veterinarians and owners. Virginia Equine Education Foundation, Leesburg, VA., 1999.
- 13) Equine Neurology Update. Auburn Annual Veterinary Conference. Auburn AL., 1998.
- 14) Intensive care of the neonatal foal. Auburn Annual Veterinary Conference. Auburn AL., 1998.
- 15) Treatment of EPM with ponazuril. Bayer Animal Health, Leesburg, VA., 2001.
- 16) Treatment of EPM with ponazuril. Bayer Animal Health, Charlottesville, VA., 2001.
- 17) Treatment of EPM with ponazuril. Bayer Animal Health, Ocala, FL., 2001.
- 18) Treatment of EPM with ponazuril. Bayer Animal Health, Jamesburg, NJ., 2001.
- 19) Treatment of EPM with ponazuril. Bayer Animal Health, Portsmouth, NH., 2001.
- 20) Treatment of EPM with ponazuril. Bayer Animal Health, Avondale, PA., 2001.
- 21) Neurologic examination and differential diagnosis of neurologic disease. Compendium Equine Series, Dallas, TX., 2001.

- 22) Neurologic examination and differential diagnosis of neurologic disease. Compendium Equine Series, Minn, MN., 2001.
- 23) Neurologic examination and differential diagnosis of neurologic disease. Compendium Equine Series, Ocala, FL., 2001.
- 24) Neurologic examination and differential diagnosis of neurologic disease. Compendium Equine Series, Lexington, KY., 2001.
- 25) Neurologic examination of the horse. North American Veterinary Conference, Orlando, FL., 2002.
- 26) Differential diagnosis of neurologic disease in the horse. North American Veterinary Conference, Orlando, FL., 2002.
- 27) Nonsteroidal anti-inflammatory toxicity in the horse. North American Veterinary Conference, Orlando, FL., 2002.
- 28) Differential diagnosis of Equine Spinal Ataxia. Avrum Gudalsky Center workshop on West Nile virus. College Park, MD., 2000.
- 29) Neuroimmunology in the horse with special reference to equine protozoal myeloencephalitis. Annual meeting of the American College of Veterinary Internal Medicine, Denver, CO., 2001.
- 30) Colic in the neonatal foal. Annual meeting of the American College of Veterinary Internal Medicine. Denver, CO., 2001.
- 31) Large Animal Consensus statement on "The diagnosis of Equine Protozoal Myeloencephalitis". Annual meeting of the American College of Veterinary Internal Medicine. Denver, CO., 2001.
- 32) Equine Neurologic Exam. Central Veterinary Conference, Kansas City, KS., 2002.
- 33) Ancillary diagnostic techniques. Central Veterinary Conference, Kansas City, KS., 2002.
- 34) Equine Protozoal Myeloencephalitis. Central Veterinary Conference, Kansas City, KS., 2002.
- 35) Diagnosis and Management of Colic in the neonatal foal. Central Veterinary Conference, Kansas City, KS., 2002.

- 36) Critical Care of the Neonatal foal. Central Veterinary Conference, Kansas City, KS., 2002.
- 37) Non-steroidal inflammatory disease in the horse. Central Veterinary Conference, Kansas City, KS., 2002.
- 38) Seizure Disorders in the horse. Central Veterinary Conference, Kansas City, KS., 2002.
- 39) The neurologic examination of the horse. Maryland Veterinary Medical Association Winter Meeting, Timonium Maryland, Nov 6, 2003.
- 40) Differential diagnosis of neurologic disease in the horse. Maryland Veterinary Medical Association Winter Meeting, Timonium Maryland, Nov 6, 2003.
- 41) Update on the use of antibiotics in the horse. Maryland Veterinary Medical Association Winter Meeting, Timonium Maryland, Nov 6, 2003.
- 42) Treatment of the neonatal foal with sepsis. Maryland Veterinary Medical Association Winter Meeting, Timonium Maryland, Nov 6, 2003.
- 43) Diagnosis of Equine Spinal Ataxia, Voorjaarsdagen Congress 2004 Amsterdam, The Netherlands April 24, 2004
- 44) Treatment of Equine Spinal Ataxia, Voorjaarsdagen Congress 2004, Amsterdam, The Netherlands, April 24, 2004
- 45) Equine Neurologic Examination, Voorjaarsdagen Congress 2004, Amsterdam, The Netherlands, April 24, 2004
- 46) Neurologic examination and differential diagnosis of neurologic disease in horses. Oklahoma State University Fall Conference for Veterinarians. Stillwater, OK., Oct 26 and 27, 2006.
- 47) Treatment of Spinal Ataxia. Oklahoma State University Fall Conference for Veterinarians. Stillwater, OK., Oct 26 and 27, 2006.
- 48) Equine Protozoal Myeloencephalitis: Update on diagnosis and treatment. Oklahoma State University Fall Conference for Veterinarians. Stillwater, OK., Oct 26 and 27, 2006.
- 49) Ancillary Diagnostic Testing for horses with neurologic disease. Oklahoma State University Fall Conference for Veterinarians. Stillwater, OK., Oct 26 and 27, 2006.

- 50) Equine Herpesvirus. Oklahoma State University Fall Conference for Veterinarians. Stillwater, OK., Oct 26 and 27, 2006.
- 51) Differential Diagnosis of Spinal Ataxia. BEVA Winter Clinical Conference. Warwick, UK. Dec 17, 2008.
- 52) Neurologic examination of the horse. Annual Meeting of the VVMA, Feb 26-28, 2010. Roanoke, VA.
- 53) Neurologic examination of the horse: Ancillary Diagnostics. Annual Meeting of the VVMA, Feb 26-28, 2010. Roanoke, VA.
- 54) Update on Diagnosis of EPM. Annual Meeting of the VVMA, Feb 26-28, 2010. Roanoke, VA.
- 55) Testing the Tests. Maryland Veterinary Medical Association Summer Meeting, June 27-28, 2011. Ocean City, MD.
- 56) Does it really work?. Maryland Veterinary Medical Association Summer Meeting, June 27-28, 2011. Ocean City, MD.
- 57) Update on Equine Gastrointestinal Disease. Maryland Veterinary Medical Association Summer Meeting, June 27-28, 2011. Ocean City, MD.
- 59) Case Discussion and Presentations. Maryland Veterinary Medical Association Summer Meeting, June 27-28, 2011. Ocean City, MD.
- 60) Neurologic Examination and differential diagnosis of neurologic disease in horses. Pferdemedizin 2012, Wainhoven, Austria, Mar 2, 2012.
- 61) Treatment of Spinal Ataxia. Proceedings, Pferdemedizin 2012, Wainhoven, Austria, Mar 2, 2012.
- 62) Neurologic Examination and differential diagnosis of neurologic disease in horses. Potomac Regional Veterinary Conference, Sep 30, 2012. Alexandria, Va.
- 63) Treatment of Spinal Ataxia. Potomac Regional Veterinary Conference, Sep 30, 2012. Alexandria, Va.
- 64) The effects of Pedicoccus-based probiotics on equine immune function. Western States Veterinary Conference, Feb 19, 2013, Las Vegas NV.
- 65) Equine Gastric Ulcer Syndrome. Mid Atlantic Nutrition Conference, University of Maryland College of Agriculture, Timonium MD, 28 Mar 2013.

- 66) The neurologic examination- is it lame or neurologic? Part 1. Annual Meeting of the American College of Veterinary Surgeons. San Antonio TX, Oct 26, 2013.
- 67) The neurologic examination- is it lame or neurologic? Part 2. Annual Meeting of the American College of Veterinary Surgeons. San Antonio TX, Oct 26, 2013.
- 68) Treatment of equine spinal disease. Annual Meeting of the American College of Veterinary Surgeons. San Antonio TX, Oct 26, 2013.
- 69) The role of probiotics in the horse. Southern States Regional Cooperative Meeting. Feb 12, 2014, Richmond VA.
- 70) Update on diagnosis and treatment of EPM. Annual Meeting of the ACVIM. June 5, 2014. Nashville, TN.
- 71) Update on the diagnosis and treatment of EPM. Annual Meeting of the Pennsylvania Veterinary Medical Association. August 15, 2014. Hershey, PA.
- 72) Equine Lyme Disease: Truth, lies, and treatments. Annual Meeting of the Pennsylvania Veterinary Medical Association. August 15, 2014. Hershey, PA.
- 73) Neurologic Case Discussions. Annual Meeting of the Pennsylvania Veterinary Medical Association. August 15, 2014. Hershey, PA.
- 74) Equine Neurology Short Course: a 2 day seminar. Presented at the following throughout March, 2015:
 - a. Cele, Germany
 - b. Vienna, Austria
 - c. Schwaiganger, Germany
- 75) Webinar – Neurologic examination of the horse. Given for the One Caribbean, One Health, One Love (OCOHL) Regional Health Program, Trinidad and Tobago. Broadcast to veterinarians and health care investigators/first responders throughout several caribbean nations. May 24, 2016.
- 76) What to do and what not to do with a sick foal in practice. Presented at BEVA Conference, Birmingham UK, Sept 10, 2016. Audience about 75
- 77) Differentiating lameness from neurologic disease in horses. Presented at BEVA Conference, Birmingham UK, Sept 11, 2016. Audience about 300
- 78) How do you determine if the neurologic horse is safe to ride? Presented at BEVA Conference, Birmingham UK, Sept 11, 2016. Audience about 300

- 79) What is the evidence for the treatment of CVM? Presented at BEVA Conference, Birmingham UK, Sept 11, 2016. Audience about 300
- 80) Equine Clinical Neurology 2 Day Short Course. Presented at:
 - a. Bordeaux, France. September 30-October 1, 2016, 30 attendees
 - b. Kasterlee, Belgium. October 7-8, 2016, 30 attendees
- 81) Equine Clinical Neurology 2 Day Short Course. Presented at Helsingborg Sweden, October 17 and 18, 2017. 30 attendees
- 82) Differentiating lameness from neurologic disease in horses. Presented at the Irish Equine Veterinary Conference, Naas, Ireland, November 9-11, 2017. Audience about 200
- 83) Neonatology roundup. Presented at the Irish Equine Veterinary Conference, Naas, Ireland, November 9-11, 2017. Audience about 200
- 84) What is the evidence for the treatment of CVM? Presented at the Irish Equine Veterinary Conference, Naas, Ireland, November 9-11, 2017. Audience about 200
- 85) Clinical Case Presentations and Discussion. Presented at the Irish Equine Veterinary Conference, Naas, Ireland, November 9-11, 2017. Audience about 200
- 86) Performing the Neurologic Examination. Presented at the Irish Equine Veterinary Conference, Naas, Ireland, November 9-11, 2017. Audience about 200
- 87) Co-infections in Equine Medicine. Presentation and Moderator; at The Second Equine Protozoal Myeloencephalitis Society Meeting. Tahoe City, Nevada. October 11-12, 2017. Audience, 75.
- 88) Equine Neurology "Lunch with the Experts". Annual Meeting of the ACVIM, Seattle Washington, June 13, 2018. Audience: 25 (limited enrollment)
- 89) Equine Neurology. Winter Meeting of the North Carolina Equine Practitioners Association. January, 4 2019. Raleigh, NC. Approximately 75 attendees.
- 90) Equine Neurology 2 Day CE event. Winter Meeting of the Northwest Equine Practitioners Association. Sunriver, Oregon. Feb 22-23, 2019. Approx 100 attendees.

- 91) Factors that Influence Career Choice for Academic Veterinary Medicine. Annual Meeting of the ACVIM, Phoenix, AZ, June 7, 2019. Audience: 40
- 92) Differentiating lameness from neurologic disease in horses. Fall Conference, Oklahoma State University College of Veterinary Medicine, Stillwater, OK, November 2019. Audience: 35
- 93) Is that horse safe to ride? Fall Conference, Oklahoma State University College of Veterinary Medicine, Stillwater, OK, November 2019. Audience: 35
- 94) Temporomandibular joint osteoarthropathy in horses. Fall Conference, Oklahoma State University College of Veterinary Medicine, Stillwater, OK, November 2019. Audience: 35
- 95) Conditions of the equine neck and back. June 2020, digital platform. VetPd; 6 hours of content. Audience: 50 (international)
- 96) Equine Neurologic Conditions (a webinar, 3 hours) June 2020. VetPd, 50 attendees, (international)
- 97) Why do they leave? Challenges to recruitment and retention of Veterinary Clinical Faculty. Invited presentation, Washington State University, Teaching Academy. Feb 17, 2021.
- 98) Equine Clinical Neurology. Finish Equine Veterinary Association. 12 hours of lecture. Helsinki Finland, Dec 5-7 2021. 250 attendees.
- 99) Why do they leave? Challenges to recruitment and retention of Veterinary Clinical Faculty. Invited presentation, Iowa State University. Jan 20, 2022.
- 100) Equine Clinical Neurology - Case discussions – 4 hours. VetPd Continuing Education, Frankfurt Germany, February 4-5 2022, 14 attendees.

Extension:

- 1) The association of lameness and conformation in the horse. Regional Pony Club Leesburg, VA., 1992.
- 2) What can we do for your sick foal?. Virginia Equine Educational Foundation, Leesburg, VA., 1994.
- 3) Equine Dystocia. Equine Medical Center "Tuesday Talks" Leesburg, VA., 1996.
- 3) EPM Update. Culpepper Riding Center, Evergreen, VA., 1998.

- 4) Equine Infectious Disease. "Lift me Up " Seminar, Great Falls, VA. 1998.
- 5) EPM update. Equine Update, EMC, Leesburg, VA., 1999.
- 6) Update on EPM and West Nile Virus. Equine Medical Center "Tuesday Talks", Leesburg, VA., 2001.
- 7) New Developments in EPM , EMC Tuesday Talks Seminar Series for Horse Owners, March 16, 2004
- 8) New Developments in EPM and West Nile Virus, Horse Expo East, Dulles, Va, March 20, 2004.
- 9) Interviewed by Kimberly Herbert, of The Horse, for an article on EPM. March 1999, page 63.
- 10) Interviewed and quoted in The Horse, for an article on neurologic disease of the horse. April 2005.
- 11) Equine Rhinopneumonitis. Horse Expo East, Dulles, Va. March 18, 2006.
- 12) Equine Herpes-virus diseases and Botulism. Annual Virginia Extension Meeting, Middleburg VA, April 7, 2006.
- 13) Equine Neurologic Disease over the Life Course. December 6, 2006. Equine Medical Center Tuesday Talk Series.
- 14) Equine Biosecurity. MARE Center Fall Conference for Horse Owner. Oct 17, 2008, Middleburg VA.
- 15) Critical Care Nursing of the Neonatal Foal. 2009 Annual AAEP Meeting, Leesburg, VA, Jan 11, 2009.
- 16) Interviewed and quoted in The Horse, for an article on vaccination of horses. April 2009.
- 17) Endocrine Disease of Horses: Cushings and Equine Metabolic Syndrome, EMC Tuesday Talk Series, Jan 12 2010.
- 18) Equine Biosecurity. Maryland Horse Expo, University of Maryland. Timonium Maryland, January 20, 2012.
- 19) Equine Metabolic Syndrome. Maryland Horse Expo, University of Maryland. Timonium Maryland, January 20, 2012.

- 20) Interviewed and quoted, Veterinary Practice News. Equine Practice: EPM diagnosis still a challenge. April 30, 2012.
- 21) Modern Equine Veterinary Medicine. Osher Lifelong Learning Center, George Mason University, Sterling VA. April 15, 2013.
- 22) Treatment of Lower Airway Disease in the Horse. EMC Tuesday Talk Series, Jan 2014.
- 23) Equine Protozoal Myeloencephalitis. OSU Horse Owners Lecture Series. Mar 7, 2020. Audience: 40

Professional Service

Member - ACVIM Credentials Committee 1993, 1994, 2011-12
 Member - VVMA Equine Practice Committee
 Official - Virginia Racing Commission
 Official Race Veterinarian - Morven Park Races
 Led a workshop on Clinical diagnosis of EPM- Sponsored by the ACVIM (Denver, COLO)
 ACVIM Job Task Analysis Task-Force 2015-2016
 ACVIM CRA Committee – 2017- 2021
 ACVIM Forum Planning Committee – 2018 – 2021
 Manuscript Reviewer – JAVMA, JVIM, EVJ, EVE, others
 Grant Reviewer – Oklahoma State University
 ACVIM – Exam Writing Committee (2017-2019)

Department, college and university service

Hospital:

Coordinator: Large Animal ICU Team 1991
 Coordinator: EMC plasmaphoresis Unit 1992 - 2015
 Coordinator: EMC GLP Unit
 Member: EMC management committee-2002-2007
 Chairman: EMC Hospital Board 2007- 2009
 Member: EMC Hospital Board 2008-2012

Department:

Member: Search Committee - Ambulatory Clinician 1990
 Member: Intern Selection Committee - 1991
 Member: Search Committee - EMC Pathologist (2000)
 Member: Search Committee – EMC Lameness Clinician (2002)

Member: Search Committee- EMC Emergency Clinician (2003)
Chairman: Search Committee- EMC Internal Medicine Clinician
(2004)
Member: Search Committee EMC Director (2004)
Member: Search Committee EMC Lameness Clinician (2004)
Member; Search Committee EMC Surgeon (2006)
Member: Promotion and Tenure Committee (2012)

College:

Member: Admissions Committee – Virg Tech 1990 (Scoring)
Member: Admissions Committee – Virg Tech 1992 (Interview)
Member: Admission Committee – Virg Tech 2001 (interview)
Member: Research and Graduate Studies Board – Virg Tech (1992-
1995, 1996-2005)
Member: Patricia Bonsal Stuart Research Committee – Virg Tech
(1999-2007)
Member: Search Committee – Associate Dean University of
Maryland (2002)
Member: Ad Hoc committee on consulting – Virg Tech (2002)
Member: Task force on the Clinical Masters Degree - Virg Tech
(2003)
Member: Task force for development of a Northern Virginia
Research Consortium- Virg Tech (2003)
Member: Search Committee- Associate Dean for Research and
Graduate Studies - Virg Tech (2004)
Member: College Promotion and Tenure Committee - Virg Tech
(2010-2011)
Member: Review Committee for EMC Director - Virg Tech (2011)
Member: Admissions Committee - Ok State Univ (2021-2022)
Member: College Working group on Diversity, Equity and
Inclusiveness - Ok State Univ (2021- ongoing)

University

Member: Search Committee –Dean of the College of Veterinary
Medicine - Virg Tech (2004)

Member: Review Committee for Dean of the College of
Veterinary Medicine - Virginia Tech (2009)

Member: Provost Department Head Advising Group - Ok State
Univ (2018-2020)

Member: University Conflict of Interest Committee - Ok State
Univ (2020 - ongoing)

Member: Provost Select Committee on Strategic Planning - Ok
State Univ (2022 – ongoing)