



Monica Aleman
Professor
Medicine & Epidemiology
Office
2108 Tupper Hall, Davis, CA 95616

Licenses

Equine Specialist Certification, University of Mexico: UNAM-Mexico.

California Veterinary License # 15444

USA Veterinary License

Diplomate of the American College of Veterinary Internal Medicine: Large Animal Internal Medicine.

Diplomate of the American College of Veterinary Internal Medicine: Neurology and Neurosurgery.

United States Drug Enforcement Administration License #FA8121078

Education

2004, PhD, University of California, Davis, Davis, California

1989, MVZ, National Autonomous University of Mexico, Mexico City, Mexico

1999, DACVIM-Internal Medicine, University of California, Davis,

2012, DACVIM-Neurology, University of California, Davis,

Active Research Grants

Principal Investigator, Investigation of a structural variant associated with KCNQ1 for Juvenile Idiopathic Epilepsy, (Principal Investigator), Center for Equine Health

Collaborator, Investigation of Toxoplasma gondii as a cause of Equine Protozoal Encephalomyelitis (EPM), Nicola Pusterla (Principal Investigator),

Principal Investigator, V435PSC: Equine Neurology Research: Trigeminal Mediated Headshaking, (Principal Investigator),

Honors and Awards

1998 Humphrey Knight Memorial Graduate Clinical Education Award: Resident with Outstanding Clinical Competency in Large Animal Medicine. University of California, Davis, CA

2000 Helping Hands: Medical collaboration with equine practitioner. 27th American College of Veterinary Internal Medicine Forum, Seattle, WA

2002 Erik TolksdorffOlbrich Award: Best presentation (Equine Muscle Diseases). XXIV Annual Convention of the Mexican Association of Equine Practitioners, Veracruz, Mexico

2001-2004 The Edwin J. Gregson Memorial Fellowship to support PhD studies

2012 Annual Resident Award from the American Association of Veterinary Clinicians. Award presented for high degree of excellence in the residency specialty

2019 Endowment: Dr. Terry Holliday Equine and Comparative Neurology Presidential Chair

Most Recent Five Book Chapters

2019 Aleman M, Spier SJ : Chapter 37, section: Corynebacterium pseudotuberculosis infection, Smith BP, Van Metre DC, Pusterla N, (ed), Large Animal Internal Medicine 6th ed, . .

2019 Aleman M : Electrodiagnostic testing, Smith BP, Van Metre DC, Pusterla N, (ed), Large Animal Internal Medicine 6th ed, . .

2019 Aleman M, Prange T : Chapter 54: Neurocranium and brain, , Auer Equine Surgery 5th ed, . 895-900.

2019 Aleman M, Prange T, MacKay RJ : Chapter 51: Diagnostic procedures, , Auer Equine Surgery 5th ed, . 834-859.

2019 Aleman M, MacKay RJ : Chapter 50: Anatomy and physiology of the nervous system, , Auer Equine Surgery 5th ed, . 822-834.

Research Focus

Multiple species with equine emphasis in neurology, neuromuscular, muscle diseases.

Specialty Focus

Genetics of neuromuscular disorders.

Equine internal medicine,

Critical care,

Neonatology.

Ten Recent Publications

2019

Madigan JE, Costa LRR, Nieves SR, Horgan MD, Weberg K, Aleman M

Description of Placement Procedures for Common Methods Used in Equine Emergency Rescue Using a Simplified Loops System

2019

Madigan JE, Costa LRR, Nieves SR, Horgan MD, Weberg K, Aleman M

Evaluation of a Simplified Loops System for Emergency Rescue Lifting of the Stranded or Recumbent Horse

2019

Costa LRR, Aleman M, Davis E

Comprehensive Report of the Caseload of Donkeys and Mules Presented to a Veterinary Medical Teaching Hospital over a Ten-Year Period

2019

Berryhill E, Magdesian KG, Aleman M, Pusterla N

Clinical presentation, diagnostic findings, and outcome of adult horses with equine coronavirus infection at a veterinary teaching hospital: 33 cases (2012-2018)

2019

Sheldon SA, Aleman M, Costa L, Weich K, Howey O, Madigan JE

Effects of magnesium with or without boron on headshaking behavior with trigeminal-mediated headshaking

2019

Torrent A, Kilcoyne I, Johnson A, Affolter VK, Berryhill E, Aleman M

**An atypical presentation of multisystemic B-cell lymphoma in a horse
2019**

Sheldon SA, Aleman M[^], Costa LRR, Santoyo AC, Howey O, Madigan JE

Intravenous infusion of magnesium sulfate and its effect on horses with trigeminal-mediated headshaking

2019

Sheldon SA, Aleman M[^], Costa L, Santoyo AC, Weich K, Howey O, Madigan JE

Luteinizing hormone concentrations in healthy horses and horses with trigeminal-mediated headshaking over an 8-hour period

2018

Tanner J, Spriet M, Espinosa-Mur P, Estell KE, Aleman M

The prevalence of temporal bone fractures is high in horses with severe temporohyoidosteoarthropathy

2018

Sheldon SA, Aleman M[^], Costa L, Santoyo C, Howey O, Madigan JE

Alterations in metabolic status and headshaking behavior following intravenous administration of hypertonic solutions in horses with trigeminal-mediated headshaking