

# K Gary Magdesian

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

1,465  
citations

361413

20  
h-index

345221

36  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1119  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Mutations in MITF and PAX3 Cause “Splashed White” and Other White Spotting Phenotypes in Horses. <i>PLoS Genetics</i> , 2012, 8, e1002653.  | 3.5 | 124       |
| 2  | Blood Glucose Concentrations in Critically Ill Neonatal Foals. <i>Journal of Veterinary Internal Medicine</i> , 2008, 22, 1223-1227.  | 1.6 | 85        |
| 3  | Antimicrobial Susceptibilities of Equine Isolates of <i>Clostridium difficile</i> and Molecular Characterization of Metronidazole-Resistant Strains. <i>Clinical Infectious Diseases</i> , 1997, 25, S266-S267.   | 5.8 | 80        |
| 4  | Characterization of <i>Clostridium difficile</i> isolates from foals with diarrhea: 28 cases (1993-1997). <i>Journal of the American Veterinary Medical Association</i> , 2002, 220, 67-73.   | 0.5 | 67        |
| 5  | Neonatal Foal Diarrhea. <i>Veterinary Clinics of North America Equine Practice</i> , 2005, 21, 295-312.   | 0.7 | 59        |
| 6  | Application of Sartwell's Model (Lognormal Distribution of Incubation Periods) to Age at Onset and Age at Death of Foals with <i>Rhodococcus equi</i> Pneumonia as Evidence of Perinatal Infection. <i>Journal of Veterinary Internal Medicine</i> , 2001, 15, 171-175. | 1.6 | 57        |
| 7  | Monitoring the critically ill equine patient. <i>Veterinary Clinics of North America Equine Practice</i> , 2004, 20, 11-39.   | 0.7 | 54        |
| 8  | Changes in central venous pressure and blood lactate concentration in response to acute blood loss in horses. <i>Journal of the American Veterinary Medical Association</i> , 2006, 229, 1458-1462.   | 0.5 | 54        |
| 9  | Temporal trends in <i>in vitro</i> antimicrobial susceptibility patterns of bacteria isolated from foals with sepsis: 1979–2010. <i>Equine Veterinary Journal</i> , 2014, 46, 161-168.  | 1.7 | 51        |
| 10 | Temporal trends in prevalence of bacteria isolated from foals with sepsis: 1979–2010. <i>Equine Veterinary Journal</i> , 2014, 46, 169-173.   | 1.7 | 47        |
| 11 | Evaluation of updated sepsis scoring systems and systemic inflammatory response syndrome criteria and their association with sepsis in equine neonates. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1185-1193.   | 1.6 | 42        |
| 12 | Evaluation of deafness in American Paint Horses by phenotype, brainstem auditory-evoked responses, and endothelin receptor B genotype. <i>Journal of the American Veterinary Medical Association</i> , 2009, 235, 1204-1211.  | 0.5 | 39        |
| 13 | Pharmacokinetics and Clinical Utility of Sodium Bromide (NaBr) as an Estimator of Extracellular Fluid Volume in Horses. <i>Journal of Veterinary Internal Medicine</i> , 2003, 17, 213-217.   | 1.6 | 38        |
| 14 | Molecular characterization of <i>Clostridium difficile</i> isolates from horses in an intensive care unit and association of disease severity with strain type. <i>Journal of the American Veterinary Medical Association</i> , 2006, 228, 751-755.                     | 0.5 | 36        |
| 15 | Use of multifrequency bioelectrical impedance analysis for estimation of total body water and extracellular and intracellular fluid volumes in horses. <i>American Journal of Veterinary Research</i> , 2004, 65, 320-326.  | 0.6 | 33        |
| 16 | Parenteral nutrition in neonatal foals: Clinical description, complications and outcome in 53 foals (1995–2005). <i>Veterinary Journal</i> , 2009, 181, 137-144.  | 1.7 | 33        |
| 17 | Nutrition for critical gastrointestinal illness: feeding horses with diarrhea or colic. <i>Veterinary Clinics of North America Equine Practice</i> , 2003, 19, 617-644.   | 0.7 | 30        |
| 18 | Juvenile Idiopathic Epilepsy in Egyptian Arabian Foals: 22 Cases (1985–2005). <i>Journal of Veterinary Internal Medicine</i> , 2006, 20, 1443-1449.   | 1.6 | 28        |

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| 19 | Determination of body water compartments in neonatal foals by use of indicator dilution techniques and multifrequency bioelectrical impedance analysis. <i>American Journal of Veterinary Research</i> , 2011, 72, 1390-1396.   | 0.6 | 27        |
| 20 | A Comparison of Hypertonic (7.2%) and Isotonic (0.9%) Saline for Fluid Resuscitation in Horses: A Randomized, Double-blind, Clinical Trial. <i>Journal of Veterinary Internal Medicine</i> , 2011, 25, 1138-1143.   | 1.6 | 26        |
| 21 | Antimicrobial resistance trends in fecal Salmonella isolates from northern California dairy cattle admitted to a veterinary teaching hospital, 2002-2016. <i>PLoS ONE</i> , 2018, 13, e0199928.   | 2.5 | 25        |
| 22 | Investigation of a Novel, Heritable Bleeding Diathesis of Thoroughbred Horses and Development of a Screening Assay. <i>Journal of Veterinary Internal Medicine</i> , 2006, 20, 1450-1456.   | 1.6 | 21        |
| 23 | Clinical presentation, diagnostic findings, and outcome of adult horses with equine coronavirus infection at a veterinary teaching hospital: 33 cases (2012-2018). <i>Veterinary Journal</i> , 2019, 248, 95-100.   | 1.7 | 21        |
| 24 | Clinical implications of high liver enzyme activities in hospitalized neonatal foals. <i>Journal of the American Veterinary Medical Association</i> , 2011, 239, 661-667.   | 0.5 | 20        |
| 25 | Pharmacokinetics of a high dose of amikacin administered at extended intervals to neonatal foals. <i>American Journal of Veterinary Research</i> , 2004, 65, 473-479.   | 0.6 | 19        |
| 26 | Retrospective evaluation of the use of acetylcysteine enemas in the treatment of meconium retention in foals: 44 cases (1987-2002). <i>Equine Veterinary Education</i> , 2004, 16, 133-136.   | 0.6 | 19        |
| 27 | The Use of Recombinant Tissue Plasminogen Activator (tPA) in The Treatment of Fibrinous Pleuropneumonia in Horses: 25 Cases (2007-2012). <i>Journal of Veterinary Internal Medicine</i> , 2015, 29, 1403-1409.  | 1.6 | 18        |
| 28 | Real-time PCR and typing of Clostridium difficile isolates colonizing mare-foal pairs. <i>Veterinary Journal</i> , 2011, 190, 119-123.  | 1.7 | 17        |
| 29 | Assessment of quantitative polymerase chain reaction for equine herpesvirus-5 in blood, nasal secretions and bronchoalveolar lavage fluid for the laboratory diagnosis of equine multinodular pulmonary fibrosis. <i>Equine Veterinary Journal</i> , 2017, 49, 34-38. | 1.7 | 16        |
| 30 | Initial antimicrobial treatment of foals with sepsis: Do our choices make a difference?. <i>Veterinary Journal</i> , 2019, 243, 74-76.  | 1.7 | 16        |
| 31 | Parenteral nutrition in the mature horse. <i>Equine Veterinary Education</i> , 2010, 22, 364-371.   | 0.6 | 15        |
| 32 | Quantitative molecular viral loads in 7 horses with naturally occurring equine herpesvirus-1 infection. <i>Equine Veterinary Journal</i> , 2015, 47, 689-693.   | 1.7 | 15        |
| 33 | A De Novo MITF Deletion Explains a Novel Splashed White Phenotype in an American Paint Horse. <i>Journal of Heredity</i> , 2020, 111, 287-293.  | 2.4 | 15        |
| 34 | Estimation of Acute Fluid Shifts Using Bioelectrical Impedance Analysis in Horses. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 176-183.  | 1.6 | 14        |
| 35 | Antimicrobial Pharmacology for the Neonatal Foal. <i>Veterinary Clinics of North America Equine Practice</i> , 2017, 33, 47-65.   | 0.7 | 14        |
| 36 | Volume replacement in the neonatal ICU: Crystalloids and colloids. <i>Clinical Techniques in Equine Practice</i> , 2003, 2, 20-30.  | 0.5 | 13        |

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|----|--|-----|-----------|
| 37 | Repetitive Stimulation of the Common Peroneal Nerve as a Diagnostic Aid for Botulism in Foals. <i>Journal of Veterinary Internal Medicine</i> , 2011, 25, 365-372.   | 1.6 | 12        |
| 38 | IMAGING DIAGNOSIS OF AORTIC ANEURYSM AND URETERAL OBSTRUCTION SECONDARY TO UMBILICAL ARTERY ABSCESSATION IN A 5-WEEK-OLD FOAL. <i>Veterinary Radiology and Ultrasound</i> , 2013, 54, 384-389.   | 0.9 | 12        |
| 39 | Equine idiopathic hemorrhagic cystitis: Clinical features and comparison with bladder neoplasia. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1202-1209.   | 1.6 | 11        |
| 40 | Enterococcus infections in foals. <i>Veterinary Journal</i> , 2019, 248, 42-47.  | 1.7 | 11        |
| 41 | Pharmacokinetics of metronidazole in foals: influence of age within the neonatal period. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2015, 38, 227-234.   | 1.3 | 10        |
| 42 | Differences in isolation rate and antimicrobial susceptibility of bacteria isolated from foals with sepsis at admission and after 48 hours of hospitalization. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 955-963.                       | 1.6 | 10        |
| 43 | Comparison of corneal degeneration and calcific band keratopathy from 2000 to 2013 in 69 horses. <i>Veterinary Ophthalmology</i> , 2017, 20, 16-26.  | 1.0 | 9         |
| 44 | Successful Treatment and Polymerase Chain Reaction (PCR) Confirmation of Tyzzer's Disease in a Foal and Clinical and Pathologic Characteristics of 6 Additional Foals (1986-2005). <i>Journal of Veterinary Internal Medicine</i> , 2006, 20, 1212-1218. | 1.6 | 8         |
| 45 | Detection of bloodstream infection in neonatal foals with suspected sepsis using real-time PCR. <i>Veterinary Record</i> , 2009, 165, 114-117.   | 0.3 | 8         |
| 46 | Oxidant-induced damage to equine erythrocytes from exposure to <i>Pistacia atlantica</i> , <i>Pistacia terebinthus</i> , and <i>Pistacia chinensis</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2014, 26, 821-826.                      | 1.1 | 7         |
| 47 | Survival of a Foal with Type A Botulism. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 675-678.   | 1.6 | 7         |
| 48 | Equine platelet concentrate preparation and validation. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 1500-1506.  | 1.6 | 6         |
| 49 | Effects of age on serum glucose and insulin concentrations and glucose/insulin ratios in neonatal foals and their dams during the first 2 weeks postpartum. <i>Veterinary Journal</i> , 2019, 246, 1-6.  | 1.7 | 6         |
| 50 | Equine antimicrobial therapy: Current and past issues facing practitioners. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 270-279.  | 1.3 | 6         |
| 51 | A nonsense variant in Rap Guanine Nucleotide Exchange Factor 5 (RAPGEF5) is associated with equine familial isolated hypoparathyroidism in Thoroughbred foals. <i>PLoS Genetics</i> , 2020, 16, e1009028.  | 3.5 | 6         |
| 52 | Triglyceride concentrations in neonatal foals: Serial measurement and effects of age and illness. <i>Veterinary Journal</i> , 2017, 227, 23-29.  | 1.7 | 5         |
| 53 | <i>Lawsonia intracellularis</i> proliferative enteropathy in a 3.5-year-old miniature horse. <i>Equine Veterinary Education</i> , 2014, 26, 619-621.   | 0.6 | 4         |
| 54 | Atrial Fibrillation in Eight New World Camelids. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 335-338.   | 1.6 | 4         |

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|----|--|-----|-----------|
| 55 | Antimicrobial Selection for the Equine Practitioner. <i>Veterinary Clinics of North America Equine Practice</i> , 2021, 37, 461-494.   | 0.7 | 4         |
| 56 | Acquired multiple acyl-CoA dehydrogenase deficiency and marked selenium deficiency causing severe rhabdomyolysis in a horse. <i>Canadian Veterinary Journal</i> , 2015, 56, 1166-71.   | 0.0 | 4         |
| 57 | Pharmacokinetics of single doses of maropitant citrate in adult horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 487-491.  | 1.3 | 3         |
| 58 | Immune-mediated haemolytic anaemia and thrombocytopenia in 25 adult equids: 1997-2016. <i>Equine Veterinary Journal</i> , 2021, 53, 964-971.   | 1.7 | 3         |
| 59 | Pharmacokinetics of chloramphenicol base in horses and comparison to compounded formulations. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 609-616.  | 1.3 | 2         |
| 60 | Pharmacokinetics of multiple doses of chloramphenicol in fed adult horses. <i>Veterinary Journal</i> , 2020, 257, 105446.  | 1.7 | 2         |
| 61 | Fecal PCR testing for detection of <i>Clostridium perfringens</i> and <i>Clostridioides difficile</i> toxin genes and other pathogens in foals with diarrhea: 28 cases. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022, 34, 396-401. | 1.1 | 2         |
| 62 | Increasing tourniquet number has no effect on amikacin concentration within the radiocarpal joint in horses undergoing intravenous regional limb perfusion. <i>American Journal of Veterinary Research</i> , 2022, 83, 364-370.                    | 0.6 | 2         |
| 63 | Nutritional considerations for horses with colitis. Part 1: Nutrients and enteral nutrition. <i>Equine Veterinary Education</i> , 2018, 30, 564-568.   | 0.6 | 1         |
| 64 | Pharmacokinetics of maropitant citrate after oral administration of multiple doses in adult horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2020, 43, 282-287.  | 1.3 | 1         |
| 65 | Clinical and biochemical factors associated with survival in equids attacked by dogs: 28 cases (2008-2016). <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 532-537.  | 1.6 | 1         |
| 66 | Equine Pharmacology. <i>Veterinary Clinics of North America Equine Practice</i> , 2017, 33, xi.  | 0.7 | 0         |
| 67 | Critical Care and Fluid Therapy. , 2020, , 1521-1544.e4.   |     | 0         |
| 68 | Changes in electrolyte concentrations and hydration status in endurance horses following transport and an overnight stay prior to competition. <i>American Journal of Veterinary Research</i> , 2021, 82, 1026-1031.                               | 0.6 | 0         |
| 69 | Resolution of neurologic signs presumed to be associated with hyperammonemia in 2 endurance horses. <i>Canadian Veterinary Journal</i> , 2020, 61, 860-864.  | 0.0 | 0         |
| 70 | Bacterial meningitis after dental extraction in a 17-year-old horse. <i>Canadian Veterinary Journal</i> , 2021, 62, 403-407.   | 0.0 | 0         |