

pISSN 1309-6958
eISSN 2146-1953



www.eurasianjvetsci.org

EURASIAN JOURNAL OF VETERINARY SCIENCES

Volume: 39 Issue: 4

December 2023

pp:150-198



EURASIAN JOURNAL OF VETERINARY SCIENCES

Volume:39 Issue:4 December 2023 pp: 150-198

Selçuk Üniversitesi Veteriner Fakültesi
Alaeddin Keykubat Yerleşkesi 42075, Konya / TÜRKİYE
Tel: +90.332.223 26 78 Fax: +90.332.241 00 63
www.eurasianjvetsci.org

EURASIAN JOURNAL OF VETERINARY SCIENCES

Volume:39 Issue: 4 December

pp: 150-198

pISSN 1309-6958 / eISSN 2146-1953

Published by Selçuk University Faculty of Veterinary Medicine



İÇİNDEKİLER

ARAŞTIRMA MAKALELERİ

Farmakoloji ve Toksikoloji

Zeynep Ozdemir Kutahya, Petek Piner Benli

150-155 Robenacoxibin farklı keçi ırklarına deri altı yolla uygulanmasının hematolojik ve biyokimyasal etkisi

Viroloji

Irmak Dik, H. Pelin Aslim, Oya Bulut

156-163 Köpek Parvovirus-2 ve Köpek Enterik Coronavirus Enfeksiyonlarının Tanı Yöntemlerinin Farklı Saklama Koşulları Altındaki Performansının Değerlendirilmesi ve Moleküler Karakterizasyonunun Belirlenmesi

Anatomi

Muhammet Lutfi Selcuk

164-170 Yeni Zelanda tavşanlarında humerus ve femurun bilgisayarlı tomografi rekonstrüksiyonu ve morfometrik analizi

Parazitoloji

Meral Aydenizoz, Ali Can Yorulmaz

171-176 Kırıkkale Yöresi Arılarında *Nosema apis* ve *Nosema ceranae*'nin Multiplex PCR ile Araştırılması

Patoloji

Aysegul Bulut, Goktug Senturk, Durmus Hatipoglu, Mehmet Burak Ates

177-184 *Karvakrol sıçanlarda akrilamidin neden olduğu hepatotoksiteyi hafifletir: Deneysel bir bakış*

Viroloji

Meltem Menekse, Atilla Simsek

185-189 Solunum yolu klinik belirtileri gösteren sığırlarda bovine coronavirus (BCoV) enfeksiyonlarının PCR ile tespiti ve hayvanların serolojik durumlarının araştırılması

VAKA RAPORLARI

Patoloji

Osman Dagar, Aysenur Tural, Zeynep Celik, Fatih Mehmet Ozturk, Mehmet Tuzcu, Erhan Gulcicek

190-194 Bir köpekte yaygın metastazlı plazmasitom olgusu

Cerrahi

Mustafa Arican, Elgin Orcum Uzunlu, Yasemin Tanirli, Halil Caltiner, Iremsu Satici

195-198 Türk Çoban Köpeğinde progresif retinal atrofi; Bir vaka raporu





CONTENTS

RESEARCH ARTICLE

Pharmacology and Toxicology

Zeynep Ozdemir Kutahya, Petek Piner Benli

150-155 Hematological and biochemical effect of subcutaneous administration of robenacoxib in different goat breeds

Virology

Irmak Dik, H. Pelin Aslim, Oya Bulut

156-163 Evaluation of the Performance of Diagnostic Methods of Canine Parvovirus-2 and Canine Enteric Coronavirus Infections under Different Storage Conditions and Determination of Molecular Characterization

Anatomy

Muhammet Lutfi Selcuk

164-170 Computed tomography reconstruction and morphometric analysis of the humerus and femur in New Zealand rabbits

Parasitology

Meral Aydenizoz, Ali Can Yorulmaz

171-176 Investigation of *Nosema apis* and *Nosema ceranae* in bees by Multiplex PCR in Kirikkale Region

Pathology

Aysegul Bulut, Goktug Senturk, Durmus Hatipoglu, Mehmet Burak Ates

177-184 Carvacrol alleviates acrylamide-induced hepatotoxicity in rats: An Experimental insights

Virology

Meltem Menekse, Atilla Simsek

185-189 Detection of bovine coronavirus (BCoV) infection in cattle with clinical respiratory signs by PCR and investigation of the serological status of these animals

CASE REPORTS

Pathology

Osman Dagar, Aysenur Tural, Zeynep Celik, Fatih Mehmet Ozturk, Mehmet Tuzcu, Erhan Gulcicek

190-194 A case of plasmacytoma with widespread metastasis in a dog

Surgery

Mustafa Arican, Elgin Orcum Uzunlu, Yasemin Tanirli, Halil Caltiner, Iremsu Satici

195-198 Progressive retinal atrophy in Turkish Shepherd Dog; A case report





Eurasian Journal of Veterinary Sciences

Eurasian Journal of Veterinary Sciences

Eurasian J Vet Sci

pISSN 1309-6958

eISSN 2146-1953

www.eurasianvetsci.org

This journal has been indexed and abstracted by following data bases

Abstracting & Indexing

TUBITAK - ULAKBIM - TR DIZIN
WEB OF SCIENCE-Zoological Records
EBSCO - HOST Databases
CAB Abstracts
EMBASE
ULRICHSWEB
ERIHPLUS

Data Platforms

WorldCat
Google Scholar
ResearchGate
SOBIAD
MIAR
Türkiye Atıf Dizini

SELÇUK ÜNİVERSİTESİ VETERİNER FAKÜLTESİ YAYINIDIR.
PUBLISHED BY SELCUK UNIVERSITY, FACULTY OF VETERINARY MEDICINE





Eurasian Journal of Veterinary Sciences

www.eurasianvetsci.org

Eurasian Journal of Veterinary Sciences is published quarterly by the Faculty of Veterinary Medicine, Selçuk University, and has international and national reviewers

Owner on behalf of the Faculty of Veterinary Medicine
Prof. Dr. Seyfullah Haliloğlu (Dean)

Adress:
Eurasian Journal of Veterinary Sciences
Selçuk Üniversitesi Veteriner Fakültesi
Alaeddin Keykubat Kampüsü, 42075
Konya / TÜRKİYE
Tel: +90 332 223 26 78
Fax: +90 332 241 00 63
www.eurasianjvetsci.org
email: ejvs@selcuk.edu.tr

This journal was published until 2010 as titled:
Selçuk Üniversitesi Veteriner Fakültesi Dergisi /The
Journal of the Faculty of Veterinary Medicine
University of Selçuk

Veteriner Bilimleri Dergisi
The Journal of Veterinary Sciences
(Former ISSN: 1011-2057)

Aim and Scope
All aspects of Veterinary and Animal Sciences

The journal's open access articles are licensed as Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC 4.0). The Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC 4.0) licence permits sharing, copying, reproduction, and adaptation of the work in any size and format except for commercial use, including remixing, transforming, and building upon the work, provided that proper attribution is given to the original work.



EDITORIAL BOARD

EDITOR-IN-CHIEF

Prof. Dr. Ertan ORUC, Selçuk University, Faculty of Veterinary Medicine, Department of Pathology, Konya, TÜRKİYE

MANAGING EDITOR

Assoc. Prof. Dr. Mehmet Burak ATEŞ, Selçuk University, Faculty of Veterinary Medicine, Department of Pathology, Konya, TÜRKİYE

DESIGN EDITORS

Asst. Prof. Dr. Durmus HATIPOGLU, Selçuk University, Faculty of Veterinary Medicine, Department of Physiology, Konya, TÜRKİYE

Asst. Prof. Dr. Beyza Suvarikli ALAN, Selçuk University, Faculty of Veterinary Medicine, Department of Biochemistry, Konya, TÜRKİYE

LANGUAGE EDITOR

Prof. Dr. Halis OGUZ, Selçuk University, Faculty of Veterinary Medicine, Department of Pharmacology and Toxicology Konya, TÜRKİYE

STATISTICS EDITOR

Asst. Prof. Dr. Harun YONAR, Selçuk University, Faculty of Veterinary Medicine, Department of Biostatistics, Konya, TÜRKİYE

ETHICS EDITOR

Prof. Dr. Mustafa GARIP, Selçuk University, Faculty of Veterinary Medicine, Department of Animal Breeding and Husbandry, Konya, TÜRKİYE

SECTION EDITORS

Prof. Dr. Mustafa ARICAN, Selçuk University, Faculty of Veterinary Medicine, Department of Surgery, Konya, TÜRKİYE

Prof. Dr. Nurettin GULSEN, Selçuk University, Faculty of Veterinary Medicine, Department of Animal Nutrition and Nutritional Diseases, Konya, TÜRKİYE

Prof. Dr. Umit GURBUZ, Selçuk University, Faculty of Veterinary Medicine, Department of Food Hygiene and Technology, Konya, TÜRKİYE

Prof. Dr. Hikmet KELES, Afyon Kocatepe University, Faculty of Veterinary Medicine, Department of Pathology Afyonkarahisar, TÜRKİYE

Prof. Dr. Abdulkadir KESKİN, Uludag University, Faculty of Veterinary Medicine, Department of Obstetrics and Gynecology, Bursa, TÜRKİYE

Prof. Dr. Emrah SUR, Selçuk University, Faculty of Veterinary Medicine, Department of Histology Konya, TÜRKİYE

pISSN 1309-6958

eISSN 2146-1953

Pressed Date: December 2023



ADVISORY BOARD

Abdullah ERYAVUZ, Prof.Dr.

Afyon Kocatepe University, Faculty of Veterinary Medicine, TÜRKİYE

Ahmet GUMEN, Prof.Dr.

Bursa Uludag University, Faculty of Veterinary Medicine, TÜRKİYE

Alev Gürol Bayraktaroğlu, Prof.Dr.

Ankara University, Faculty of Veterinary Medicine, TÜRKİYE

Ali Reha Agaoglu, Prof.Dr.

Mehmet Akif Ersoy University, Faculty of Veterinary Medicine, TÜRKİYE

Almuth EINSPANIER, Prof. Dr.

Leipzig University, Faculty of Veterinary Medicine, GERMANY

Ana Maria Bravo Del MORAL, Prof. Dr.

Compostela University, Veterinary Faculty, SPAIN

Annamaria Nagy, Assoc. Prof.

University of Veterinary Medicine Budapest, HUNGARY

Armagan HAYIRLI, Prof.Dr.

Ataturk University, Faculty of Veterinary Medicine, TÜRKİYE

Art Donovan, Prof. Dr.

Florida University, Collage of Veterinary Medicine, USA

Aykut OZDARENDELİ, Prof. Dr.

Erciyes University, Faculty of Veterinary Medicine, TÜRKİYE

Barbara Padalino, Assoc. Prof.

Bologna University, Department of Agri-Food Sciences and Technologies, ITALY

Bernd Driessen, Prof.Dr.

Pennsylvania University, School of Veterinary Medicine, USA

Bernd HOFFMANN, PhD

Institute of Diagnostic Virology, Friedrich-Loeffler-Institut, GERMANY

Brian D. Nielsen, Prof.Dr.

Michigan State University, Collage of Veterinary Medicine, USA

Bülent Ekiz, Prof.Dr.

İstanbul-Cerrahpaşa University, Faculty of Veterinary Medicine, TÜRKİYE

Cheri Johnson, Prof. Dr.

Michigan State University, Collage of Veterinary Medicine, USA

Chris W. Rogers, Prof. Dr.

Massey University, School of Veterinary Science, NEW ZEALAND

Christine Aurich, Prof. Dr.

University of Veterinary Medicine, Vienna, AUSTRIA

Claudio Genchi, Prof. Dr.

Universita Degli Studi di Milano, Institute of General Veterinary Pathology, ITALY

David BENNETT, Prof. Dr.

Glasgow University, Faculty of Veterinary Medicine, SCOTLAND

Dirk K. Vanderwall, Prof. Dr.

Utah State University, College of Agriculture and Applied Sciences, USA

Donald L. Thompson Jr., Prof. Dr.

Louisiana State University, School of Animal Sciences, USA

Ebru Onbaşilar, Prof.Dr.

Ankara University, Faculty of Veterinary Medicine, TÜRKİYE

Elizabeth SANTIN, Assoc Prof.

Parana Federal University, Veterinary Medicine, BRASIL

Enver Yazar, Prof. Dr.

Selcuk University, Faculty of Veterinary Medicine, TÜRKİYE

Ertugrul KILIC, Prof.Dr.

Medipol University, Faculty of Medicine, TÜRKİYE

Fouad Kasım MOHAMMAD, Prof. Dr.

Mosul University College of Veterinary Medicine, IRAQ

Giovanni RE, Prof. Dr.

Turin University, Faculty of Veterinary Medicine, ITALY

Giuseppe Piccione, DVM

Messina University, Department of Veterinary Sciences, ITALY

Guilherme C. Ferraz, Assoc. Prof.

São Paulo State University, School of Veterinary Medicine and Animal Science, BRAZIL

Guillermo COUTO, Prof. Dr.

Ohio State University, Faculty of Veterinary Medicine, USA

Hafez Mohamed HAFEZ, Prof. Dr.

Freie University, Faculty of Veterinary Medicine, GERMANY

Haluk Çelik, Prof.Dr.

Ankara University, Faculty of Veterinary Medicine, TÜRKİYE

Hasan Batmaz, Prof.Dr.

Bursa Uludağ University, Faculty of Veterinary Medicine, TÜRKİYE

Heiner NIEMANN, Prof. Dr.

Institute of Friederich Löffler, Mariensee, GERMANY

Helio Autran de Morais, Prof. Dr.

Oregon State University, Carlson College of Veterinary Medicine, USA

Ilhami CELIK, Prof.Dr.

Selcuk University, Faculty of Veterinary Medicine, TÜRKİYE

Ken Nordlund, Prof. Dr.

Wisconsin University, School of Veterinary Medicine, USA

Kenneth H. McKeever, PhD

Rutgers University, School of Environmental and Biological Sciences, USA

Kevin H. Kline, Prof.Dr.

Illinois at Urbana-Champaign University, College of Agricultural, Consumer and Environmental Sciences, USA

Laeq Akbar LODHI, PhD

University of Agriculture, Faculty of Veterinary Science, PAKISTAN

Linda A. Dahlgren, Prof. Dr.

Maryland University, College of Veterinary Medicine, USA

Lutz S. Göhring, Prof.Dr.

Kentucky University, College of Agriculture, Food and Environment, USA

Manabu Nemoto, PhD

Japan Racing Association, Equine Research Institute, JAPAN

Marco A. Alvarenga, Prof. Dr.

São Paulo State University, School of Veterinary Medicine and Animal Science, BRAZIL

Marco A. Gioso, Assoc. Prof.

São Paulo State University, School of Veterinary Medicine and Animal Science, BRAZIL

Marcus G. Doherr, Prof.Dr.

Freie Universität Berlin, School of Veterinary Medicine, GERMANY

Markos Tibbo, PhD

Food and Agriculture Organization of the United Nations (FAO), Subregional Office for the Gulf Cooperation Council States and Yemen, UNITED ARAB EMIRATES

Martin K. Nielsen, Prof. Dr.

Kentucky University, College of Agriculture, Food and Environment, USA

Mehmet Borgia Tirpan, Associate Prof.

Ankara University, Faculty of Veterinary Medicine, TÜRKİYE

Mehmet CALICIOGLU, Prof. Dr.

Firat University, Faculty of Veterinary Medicine, TÜRKİYE

Meike Mevissen, Prof. Dr.

Berne University, Faculty of Veterinary Medicine, SWITZERLAND

Micaela Sgorbini, Assoc. Prof.

Pisa University, Department of Veterinary Sciences, ITALY

Muammer ELMAS, Prof. Dr.

Selcuk University, Faculty of Veterinary Medicine, TÜRKİYE

Mustafa Atasever, Prof.Dr.

Atatürk University, Faculty of Veterinary Medicine, TÜRKİYE

Mustafa HASOKSUZ, Prof.Dr.

İstanbul University, Faculty of Veterinary Medicine, TÜRKİYE

Nathalie Kirschvin, Prof. Dr.

Namur University, Research Institute for Life Sciences, BELGIUM



Ömer BEŞALTI, Prof.Dr.

Ankara University, Faculty of Veterinary Medicine,
TÜRKİYE

Osman ERGANIS, Prof.Dr.

Selcuk University, Faculty of Veterinary Medicine,
TÜRKİYE

Patrick M. McCue, Prof.Dr.

Colorado State University, College of Veterinary Medi-
cine and Biomedical Sciences, USA

Paul Walz, Prof. Dr.

Auburn University, College of Veterinary Medicine,
USA

Peter Erickson, Prof. Dr.

New Hampshire University, Collage of Life Science and
Agriculture, USA

Peter J. Timoney, Prof.Dr.

Kentucky University, College of Agriculture, Food and
Environment, USA

Ray Dillon, Prof. Dr.

Auburn University, College of Veterinary Medicine,
USA

Sandra GOERICKE-PESCH, Prof. Dr.

Copenhagen University, Vet Reprod, Frederiksberg,
DENMARK

Scott Fitzgerald, Prof. Dr.

Michigan State University, Collage of Veterinary Medi-
cine, USA

Şinasi Umer, Prof.Dr.

Ondokuz Mayıs University, Faculty of Veterinary Med-
icine, TÜRKİYE

Suat ERDOĞAN, Prof.Dr.

Trakya University, Faculty of Medicine, TÜRKİYE

Şükrü Tonbak, Prof.Dr.

Fırat University, Faculty of Veterinary Medicine,
TÜRKİYE

Suleyman KAPLAN, Prof.Dr.

Ondokuz Mayıs University, Faculty of Medicine,
TÜRKİYE

Tahir Karaşahin, Associate Prof.

Aksaray University, Faculty of Veterinary Medicine,
TÜRKİYE

Thomas J. Divers, DVM

Cornell University, College of Veterinary Medicine,
USA

Thomas Tobin, Prof. Dr.

Kentucky University, College of Agriculture, Food and
Environment, USA

Turan Civelek, Prof.Dr.

Afyon Kocatepe University, Faculty of Veterinary Medi-
cine, TÜRKİYE

Willem Back, Asst. Prof

Utrecht University, Faculty of Veterinary Medicine,
NETHERLANDS

William W. THATCHER, Prof. Dr.

Florida University, Collage of Veterinary Medicine,
USA

Wittek Thomas, Prof. Dr.

Wien Veterinary Medicine University, Wien, AUSTRIA

