Publications of KVI researchers 2016 (70)

Lysnyansky I¹, Freed M², Rosales RS³, Mikula I⁴, Khateb N², Gerchman I⁴, van Straten M⁵, Levisohn S⁴.

Author information:
1 Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute, PO Box 12, Beit Dagan 50250, Israel. Electronic address: innal@moag.gov.il.
2 Israel Dairy Board, Laboratory for Udder Health and Milk Quality, Caesarea, Israel.
3 Department of Bacteriology, Animal and Plant Health Agency, Woodham Lane, Addlestone, Surrey KT15 3NB, UK.
4 Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute, PO Box 12, Beit Dagan 50250, Israel.
5 Hachaklait Veterinary Services LTD, PO Box 3039, Caesarea, Israel.

The mysterious orphans of Mycoplasmataceae.
Tatarinova TV¹,², Lysnyansky I³, Nikolsky YV⁴,⁵,⁶, Bolshoy A⁷.

Author information:
1 Children’s Hospital Los Angeles, Keck School of Medicine, University of Southern California, Los Angeles, 90027, CA, USA. tatiana.tatarinova@usc.edu.
2 Spatial Sciences Institute, University of Southern California, Los Angeles, 90089, CA, USA. tatiana.tatarinova@usc.edu.
3 Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute, POB 12, Beit Dagan, 50250, Israel. innal@moag.gov.il.
4 School of Systems Biology, George Mason University, 10900 University Blvd, MSN 5B3, Manassas, VA, 20110, USA. YNikolsky@prosapiagenetics.com.
5 Prosapia Genetics, LLC, 534 San Andres Dr., Solana Beach, CA, 92075, USA. YNikolsky@prosapiagenetics.com.
6 Vavilov Institute of General Genetics, Moscow, Russian Federation. YNikolsky@prosapiagenetics.com.
7 Department of Evolutionary and Environmental Biology and Institute of Evolution, University of Haifa, Haifa, Israel. bolshoy@research.haifa.ac.il.
PLoS Negl Trop Dis. 2016 Jan 6; 10(1)

*Allopurinol Resistance in Leishmania infantum from Dogs with Disease Relapse.*

Yasur-Landau D¹, Jaffe CL², David L³, Baneth G¹.

Author information:

¹Koret School of Veterinary Medicine, The Hebrew University, Rehovot, Israel.
²Department of Microbiology and Molecular Genetics, IMRIC, Hadassah Medical School, The Hebrew University, Jerusalem, Israel.
³Department of Animal Sciences, The Hebrew University, Rehovot, Israel.

*Ticks and Tick-borne Diseases Volume 7, Issue 1, February 2016, Pages 13–19*

*Transmission of Babesia ovis by different Rhipicephalus bursa developmental stages and infected blood injection*

Erster O¹, Roth A², Wolkomirsky R², Leibovich B², Savitzky I², Shkap V².

Author information

1 Division of Parasitology, Kimron Veterinary Institute, PO Box 12, Bet Dagan 50250, Israel.
Electronic address: orane@moag.gov.il.
2 Division of Parasitology, Kimron Veterinary Institute, PO Box 12, Bet Dagan 50250, Israel.

**SOJ Vaccine Research**  [www.symbiosisonlinepublishing.com](http://www.symbiosisonlinepublishing.com)

Research Article  Open Access

*Antigenically and Genetically Diverse Isolates of Low Pathogenicity H9N2 Avian Influenza Virus Provide Cross-Clade Vaccinal Protection*

Irit Davidson¹*, Natalia Osidze¹, Amira Altory¹, Israel Raibshtein¹, Ezra Rozenbluth¹, Yigal Parnoushi¹ and Erica Spackman²

1 Division of Avian Diseases, Kimron Veterinary Institute, Bet Dagan, Israel.

**Vet Pathol. 2016 Mar 3.**

*Pathogenesis of New Strains of Newcastle Disease Virus From Israel and Pakistan.*

Pandarangga P¹, Brown CC², Miller PJ³, Haddas R⁴, Rehmani SF⁵, Afonso CL³, Susta L⁶.

Author information
1Department of Veterinary Pathology, Nusa Cendana University, Kupang, Indonesia Department of Veterinary Pathology, College of Veterinary Medicine, University of Georgia, Athens, GA, USA.
2Department of Veterinary Pathology, College of Veterinary Medicine, University of Georgia, Athens, GA, USA.
3Southeast Poultry Research Laboratory, Agricultural Research Service, US Department of Agriculture, Athens, GA, USA.
4Kimron Veterinary Institute, Bet Dagan, Israel.
5University of Veterinary and Animal Sciences, Lahore, Pakistan.
6Southeast Poultry Research Laboratory, Agricultural Research Service, US Department of Agriculture, Athens, GA, USA Current address: Department of Pathobiology, Ontario Veterinary College, University of Guelph, Guelph, Canada Isusta@uoguelph.ca.

J Dairy Sci. 2016 Mar;99(3):2268-75
Two approaches to improve fertility of subclinical mastitic dairy cows.
Lavon Y1, Kaim M2, Leitner G3, Biran D4, Ezra E1, Wolfenson D5.
Author information
1Israel Cattle Breeders Association, Caesarea 38900, Israel.
2Institute of Animal Science, Agricultural Research Organization, Bet Dagan 50250, Israel.
3Mastitis Laboratory, Veterinary Institute, Bet Dagan 50250, Israel.
4Extension Services, Ministry of Agriculture, Bet Dagan 50250, Israel.
5Department of Animal Sciences, Faculty of Agriculture, Food and Environment, Hebrew University, Rehovot 76100, Israel. Electronic address: david.wolfenson@mail.huji.ac.il.

Vet Pathol. 2016 Mar 3.
Pathogenesis of New Strains of Newcastle Disease Virus from Israel and Pakistan.
Author information
1Department of Veterinary Pathology, Nusa Cendana University, Kupang, Indonesia Department of Veterinary Pathology, College of Veterinary Medicine, University of Georgia, Athens, GA, USA.
2Department of Veterinary Pathology, College of Veterinary Medicine, University of Georgia, Athens, GA, USA.
3Southeast Poultry Research Laboratory, Agricultural Research Service, US Department of Agriculture, Athens, GA, USA.
4Kimron Veterinary Institute, Bet Dagan, Israel.
5University of Veterinary and Animal Sciences, Lahore, Pakistan.

Prevalence and risk factors for foot and mouth disease infection in small ruminants in Israel.
Elnekave E¹, van Maanen K², Shilo H¹, Gelman B³, Storm N³, Berdenstain S⁴, Berke O⁵, Klement E⁶.

Author information:
1 Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, POB 12, Rehovot 76100, Israel.
2 The European Commission for the Control of Foot-and-Mouth Disease (EUFMD), Food and Agriculture Organization of the United Nations (FAO), Italy.
3 Kimron Veterinary Institute, The Foot and Mouth Disease laboratory, Beit Dagan, Israel.
4 Kimron Veterinary Institute, Brucellosis referent laboratory, Beit Dagan, Israel.
5 Department of Population Medicine, Ontario Veterinary College, University of Guelph, Ontario, Canada.
6 Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, POB 12, Rehovot 76100, Israel. Electronic address: eyal.klement@gmail.com.
VOLUME 2:

1. **Alimentary system and peritoneum.**

Infectious and Parasitic Diseases of the Alimentary Tract. Page 130-131

Figure 1-95 Peste-des-petits-ruminants. Ulceration and fibrinonecrotic pseudomembrane on the oral mucosa of a sheep.

B. Hemorrhagic colitis in a goat. (Courtesy S. Perl, Kimron Veterinary Institute, Bet Dagan, Israel)


Infectious laryngotracheitis virus (ILTV) vaccine intake evaluation by detection of virus amplification in feather pulps of vaccinated chickens.

Davidson I^1, Raibshtein I^2, Altori A^2, Elkin N^3.

Author information

^1Division of Avian Diseases, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel.

Electronic address: davidsoni@int.gov.il.

^2Division of Avian Diseases, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel.

^3Biovac, Biological Laboratories, Ltd, Israel.

**CLINICAL DESCRIPTION OF AN OUBREAK OF FOOT & MOUTH DISEASE IN A CLOSE-CYCLE UNIT. DESCRIZIONE CLINICA DI UN FOCOLAIO DI AFTA EPIZOOTICA IN UN ALLEVAMENTO A CICLO CHIUSO.** Conference Paper · March 2016
Characterization of a Novel Orthomyxo-like Virus Causing Mass Die-Offs of Tilapia.
Bacharach E¹, Mishra N², Briese T², Zody MC³, Kembou Tsfoack JE¹, Zamostiano R¹, Berkowitz A⁴, Ng J², Nitido A², Corvelo A³, Toussaint NC³, Abel Nielsen SC², Hornig M², Del Pozo J⁵, Bloom T³, Ferguson H⁶, Eldar A⁷, Lipkin WI⁸.

MBio. 2016 Apr 5;7(2). 431-16.
Brucellosis Outbreak in Children and Adults in Two Areas in Israel.

Megged O¹, Chazan B², Ganem A², Ayoub A², Yanovskay A², Sakran W², Miron D², Dror-Cohen A², Kennes Y², Berdenstein S², Glikman D².

Author information

¹Pediatric Infectious Diseases Unit, Pediatric Department, Shaare Zedek Medical Center, Jerusalem, Israel; Infectious Diseases Unit, Emek Medical Center, Afula, Israel; Clinical Microbiology Laboratory, Galilee Medical Center, Nahariya, Israel; Pediatric Department, Galilee Medical Center, Nahariya, Israel; Pediatric Department B', Emek Medical Center, Afula, Israel; The Pediatric Infectious Diseases Service, Emek Medical Center, Afula, Israel; Pediatric Department A', Emek Medical Center, Afula, Israel; The Pediatric Infectious Diseases Service, Emek Medical Center, Afula, Israel; Immunology and Serology Laboratory, Shaare Zedek Medical Center, Jerusalem, Israel; Microbiology Laboratory, Emek Medical Center, Afula, Israel; Brucellosis Lab, OIE, FAO Reference Laboratory, Kimron Veterinary Institute, Bet Dagan, Israel; The Pediatric Infectious Diseases Service, Galilee Medical Center, Nahariya, Israel; The Faculty of Medicine in the Galilee, Bar-Ilan University, Safed, Israel orlimagegged@szmc.org.il.

²Pediatric Infectious Diseases Unit, Pediatric Department, Shaare Zedek Medical Center, Jerusalem, Israel; Infectious Diseases Unit, Emek Medical Center, Afula, Israel; Clinical Microbiology Laboratory, Galilee Medical Center, Nahariya, Israel; Pediatric Department, Galilee Medical Center, Nahariya, Israel; Pediatric Department B', Emek Medical Center, Afula, Israel; The Pediatric Infectious Diseases Service, Emek Medical Center, Afula, Israel; Pediatric Department A', Emek Medical Center, Afula, Israel; The Pediatric Infectious Diseases Service, Emek Medical Center, Afula, Israel; Immunology
and Serology Laboratory, Shaare Zedek Medical Center, Jerusalem, Israel; Microbiology Laboratory, Emek Medical Center, Afula, Israel; Brucellosis Lab, OIE, FAO Reference Laboratory, Kimron Veterinary Institute, Bet Dagan, Israel; The Pediatric Infectious Diseases Service, Galilee Medical Center, Nahariya, Israel; The Faculty of Medicine in the Galilee, Bar-Ilan University, Safed, Israel.

Lysnyansky I¹, Ayling RD².
Author information
¹Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute Beit Dagan, Israel.
²Department of Bacteriology, Animal and Plant Health Agency Addlestone, UK.

Seroprevalence of Foot-and-Mouth Disease in Susceptible Wildlife in Israel.
Elnekave E¹, King R², van Maanen K³, Shilo H¹, Gelman B⁴, Storm N⁴, Klement E¹.
Author information
¹The Robert H. Smith Faculty of Agriculture, Food and Environment, Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
²Israel Nature and Parks Authority (INPA), Jerusalem, Israel.
³The European Commission for the Control of Foot-and-Mouth Disease (EUFMD), Food and Agriculture Organization of the United Nations (FAO), Rome, Italy.
⁴Kimron Veterinary Institute, Beit Dagan, Israel.

Quantitative analysis of Babesia ovis infection in sheep and ticks.
Erster O¹, Roth A², Wollkomirsky R², Leibovich B², Savitzky I², Zamir S³, Molad T², Shkap V².
¹Division of Parasitology, Kimron Veterinary Institute, PO Box 12, Bet Dagan 50250, Israel. Electronic address: orane@moag.gov.il.
²Division of Parasitology, Kimron Veterinary Institute, PO Box 12, Bet Dagan 50250, Israel.
3Israeli Veterinary Field Services, Bet Dagan 50250, Israel.

Acta Trop. 2015 May;145:39-44.

Detection of Leishmania donovani and L. tropica in Ethiopian wild rodents.

Author information:
1Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: ayshek2000@yahoo.com.
2Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: jovanas@seznam.cz.
3Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: vit.dvorak@natur.cuni.cz.
4Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: tatianakostalova@gmail.com.
5Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: iva.rohousova@natur.cuni.cz.
6Department of Zoology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: daniel.frynta@natur.cuni.cz.
7Institute of Vertebrate Biology, Academy of Sciences of the Czech Republic, 675 02 Studenec 122, Czech Republic. Electronic address: tatiana.aghova@gmail.com.
8School of Veterinary Medicine, Hebrew University, P.O. Box 12, Rehovot 76100, Israel. Electronic address: daniel.yasurlandau@mail.huji.ac.il.
9Department of Zoological Science, Addis Ababa University, Addis Ababa, Ethiopia. Electronic address: wssnlmm@yahoo.com.
10Department of Microbiology, Immunology & Parasitology, Faculty of Medicine, Addis Ababa University, P.O. Box 9086, Addis Ababa, Ethiopia. Electronic address: hailu_a2004@yahoo.com.
11School of Veterinary Medicine, Hebrew University, P.O. Box 12, Rehovot 76100, Israel. Electronic address: gad.baneth@mail.huji.ac.il.
12Department of Microbiology and Molecular Genetics, The Institute for Medical Research Israel-Canada, The Kuvin Centre for the Study of Infectious and Tropical Diseases, The Hebrew University Hadassah Medical School, The Hebrew University of Jerusalem, Jerusalem 91120, Israel. Electronic address: alonw@ekmd.huji.ac.il.
13Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: volf@cesnet.cz.
Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Prague 2, Czech Republic. Electronic address: jan.votypka@natur.cuni.cz.


Leishmania major infection in a dog with cutaneous manifestations.
Baneth G¹, Nachum-Biala Y², Shabat Simon M³, Brenner O⁴, Gaier S⁵, Rojas A², Yasur-Landau D².

Author information
1 School of Veterinary Medicine, Hebrew University, P.O. Box 12, Rehovot, 76100, Israel. gad.baneth@mail.huji.ac.il.
2 School of Veterinary Medicine, Hebrew University, P.O. Box 12, Rehovot, 76100, Israel.
3 Tel Aviv University, Ramat Aviv, Tel Aviv, Israel.
4 Department of Veterinary Resources, Weizmann Institute of Science, Rehovot, Israel.
5 Veterinary Center, Hadera, Israel.

Current Analytical Chemistry 12(3):169-182 · May 2016

The Occurrence of Veterinary Pharmaceuticals in the Environment: A Review
Fabio Kaczala Linnaeus University
Shlomo Eduardo Blum Kimron Veterinary Institute

Avian Dis. 2016 May; 60(1 Suppl):218-25.

Antigenic Cartography of H9 Avian Influenza Virus and Its Application to Vaccine Selection.
Wang Y¹, Davidson I², Fouchier R³, Spackman E¹.

Author information
1 A Southeast Poultry Research Laboratory, United States Department of Agriculture, Agricultural Research Service, 934 College Station Road, Athens, GA 30605.
2 B Kimron Veterinary Institute, P.O. Box 12, Bet Dagan, 50250, Israel.
3 C Department of Viroscience, Erasmus Medical Center, P.O. Box 2040, Rotterdam, the Netherlands 3000 CA.


Adler A¹, Sturlesi N², Fallach N¹, Zilberman-Barzilai D¹, Hussein O¹, Blum SE³, Klement E², Schwaber MJ¹, Carmeli Y¹.

Real-time evaluation of individual cow milk for higher cheese-milk quality with increased cheese yield.
Katz G¹, Merin U¹, Bezman D¹, Lavie S¹, Lemberskiy-Kuzin L¹, Leitner G².
Author information
¹Afimilk, Afikim 15148, Israel.
²National Mastitis Reference Center, Kimron Veterinary Institute, PO Box 12, Bet Dagan 50250, Israel. Electronic address: leitnerg@moag.gov.il.

Vaccine. 2016 Jun 8;34(27):3178-83.
Optimized polypeptide for a subunit vaccine against avian reovirus.
Goldenberg D¹, Lublin A², Rosenbluth E², Heller ED³, Pitcovski J⁴.
Author information
¹Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel; Migal - Galilee Technology Center, Kiryat Shmona, Israel.
²Division of Avian and Fish Diseases, Kimron Veterinary Institute, Bet Dagan, Israel.
³Department of Animal Sciences, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel.
⁴Migal - Galilee Technology Center, Kiryat Shmona, Israel; Department of Biotechnology, Tel-Hai Academic College, Israel. Electronic address: jp@migal.org.il.

Detection and isolation of Bluetongue virus from commercial vaccine batches.
Bumbarov V¹, Golender N¹, Erster O², Khinich Y¹.
Author information
¹Division of Virology, Kimron Veterinary Institute, Bet Dagan, PO Box 12, 50250, Israel.
A high-resolution melting (HRM) assay for the differentiation between Israeli field and Neethling vaccine lumpy skin disease viruses.
Menasherow S1, Erster O1, Rubinstein-Giuni M1, Kovtunenko A1, Eyngor E1, Gelman B1, Khinich E1, Stram Y2.
Author information
1Virology Division, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel.
2Virology Division, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel. Electronic address: yehudastram@gmail.com.

The Effect of Perfusate Volume on Amikacin Concentration in the Metacarpophalangeal Joint Following Cephalic Regional Limb Perfusion in Standing Horses.
Oreff GL1, Dahan R1, Tatz AJ1, Raz T1, Britzi M2, Kelmer G1.
Author information
1Department of Large Animal, Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel.
2Kimron Veterinary Institute, National Residue Control Laboratory, Bet Dagan, Israel.

Influence of Animal Health, Breed, and Diet on Non-Cow Milk Composition
N. Silanikove1, G. Leitner2, U. Merin1
1 Agricultural Research Organization, Bet Dagan, Israel;
2 Kimron Veterinary Institute, Bet Dagan, Israel
Source: Non-Bovine Milk and Milk Products, 1st Edition
Chapter 4: INFLUENCE OF ANIMAL HEALTH, BREED, AND DIET ON NON-COW MILK COMPOSITION
Molecular characterization of *Theileria orientalis* from cattle in Ethiopia.


Author information:

1. Faculty of Veterinary and Agricultural Sciences, The University of Melbourne, Werribee, Victoria 3030, Australia.
2. The Koret School of Veterinary Medicine, Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Israel.
3. Department of Microbiology, Immunology and Parasitology, Faculty of Medicine, Addis Ababa University, P.O. Box 9086, Addis Ababa, Ethiopia.
4. Faculty of Veterinary and Agricultural Sciences, The University of Melbourne, Werribee, Victoria 3030, Australia. Electronic address: jabbara@unimelb.edu.au.

Exposure to *Leishmania* spp. and sand flies in domestic animals in northwestern Ethiopia.


Author information:

1. Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44, Prague 2, Czech Republic.
2. School of Veterinary Medicine, The Hebrew University of Jerusalem, P.O. Box 12, Rehovot, 76100, Israel.
3. Department of Parasitology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44, Prague 2, Czech Republic.
Comparison between point-of-care dermatophyte test medium and mycology laboratory culture for diagnosis of dermatophytosis in dogs and cats.

Kaufmann R\textsuperscript{1}, Blum SE\textsuperscript{2}, Elad D\textsuperscript{2}, Zur G\textsuperscript{1}.

Author information

\textsuperscript{1}Dermatology Department, Veterinary Teaching Hospital, Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, POB 12, Rehovot, 7610001, Israel.

\textsuperscript{2}Department of Clinical Bacteriology and Mycology, The Kimron Veterinary Institute, Veterinary Services, Ministry of Agriculture, Bet Dagan, 5020001, Israel.
**Virus Genes. 2016 Aug 19.**

**Characterization of Shuni viruses detected in Israel.**

Golender N¹, Wernike K², Bumbarov V¹, Aebischer A³, Panshin A¹, Jenckel M³, Khinich Y¹, Beer M³.

*Author information*

¹Divisions of Virology, Kimron Veterinary Institute, 50250, Bet Dagan, Israel.
²Institute of Diagnostic Virology, Friedrich-Loeffler-Institut, 17493, Greifswald-Insel Riems, Germany. kerst.wernike@fli.de.
³Institute of Diagnostic Virology, Friedrich-Loeffler-Institut, 17493, Greifswald-Insel Riems, Germany.

**Vaccine. 2016 Aug 9**

**The long term effect of age and maternally derived antibodies against foot and mouth disease on the serological response following vaccination in young dairy calves.**

Elnekave E¹, Dekker A², Eble P², van Hemert-Kluitenber F², Gelman B³, Storm N³, Klement E⁴.

*Author information*

¹Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, POB 12, Rehovot 76100, Israel.
²Central Veterinary Institute, Part of Wageningen UR, Lelystad, The Netherlands.
³Kimron Veterinary Institute, Beit Dagan, Israel.
⁴Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, POB 12, Rehovot 76100, Israel. Electronic address: eyal.klement@gmail.com.

**Vet Rec Open. 2016 Aug 16; 3(1)**

**Streptococcus equi subspecies equi in horses in Israel: seroprevalence and strain types.**

Tirosh-Levy S¹, Blum SE², Steward KF³, Waller AS³, Steinman A¹.

*Author information*

¹Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Rehovot, Israel.
²Department of Bacteriology, Kimron Veterinary Institute, Bet Dagan, Israel.
³Centre for Preventive Medicine, Animal Health Trust, Newmarket, Suffolk, UK.

**Emerg. Infect. Dis. 2016 Sep; 22(9):1545-53**

**Travel- and Community-Based Transmission of Multidrug-Resistant Shigella sonnei Lineage among International Orthodox Jewish Communities.**


Infectious agents identified in aborted swine fetuses in a high-density breeding area: a three-year study.
Salogni C¹, Lazzaro M², Giacomini E², Giovannini S², Zanoni M², Giuliani M², Ruggeri J², Pozzi P², Pasquali P², Boniotti MB², Alborali GL².

Author information:
1 Istituto Zooprofilattico Sperimentale della Lombardia ed Emilia Romagna (IZSLER), Brescia, Italy (Salogni, Lazzaro, Giacomini, Giovannini, Zanoni, Giuliani, Ruggeri, Boniotti, Alborali)Kimron Veterinary Institute, Bet Dagan, Israel (Pozzi)Istituto Superiore di Sanità, Rome, Italy (Pasquali) cristian.salogni@izsler.it.
2 Istituto Zooprofilattico Sperimentale della Lombardia ed Emilia Romagna (IZSLER), Brescia, Italy (Salogni, Lazzaro, Giacomini, Giovannini, Zanoni, Giuliani, Ruggeri, Boniotti, Alborali)Kimron Veterinary Institute, Bet Dagan, Israel (Pozzi)Istituto Superiore di Sanità, Rome, Italy (Pasquali).

**Food Chemistry 219 (2017) 459–467**

www.elsevier.com/locate/foodchem

Newly discovered ergot alkaloids in Sorghum ergot Claviceps Africana occurring for the first time in Israel

J.A. Shimshoni a⇑, O. Cuneah a, M. Sulyok b, R. Kraska b, E. Sionov c, S. Barel a, Y. Meller Harel d a Kimron Veterinary Institute, Department of Toxicology, Bet Dagan 50250, Israel
b Center for Analytical Chemistry, Department for Agrobiotechnology, University of Natural Resources and Life Sciences, 3430 Tulln, Austria
c Department of Food Science, Agricultural Research Organization, The Volcani Center, Bet Dagan 502500, Israel
d Plant Protection and Inspection Services, Ministry of Agriculture and Rural Development, P.O. Box 78, Bet Dagan 50250, Israel

**Naunyn Schmiedebergs Arch. Pharmacol. 2016 Sep 20. [Epub ahead of print]**

Neurochemical binding profiles of novel indole and benzofuran MDMA analogues.

Shimshoni JA¹, Winkler I², Golan E³, Nutt D⁴.

Author information

¹Department of Toxicology, Kimron Veterinary Institute, Bet Dagan, Israel. jakobs@moag.gov.il.
2Pharmaseed Ltd, Ness Ziona, Israel.
3BSC BV Company, Veemarkt 61, Amsterdam, Netherlands.
4Neuropsychopharmacology Unit, Imperial College London, London, UK.


The new Israeli feed safety law: challenges in relation to animal and public health.
Barel S1, Elad D2, Cuneah O1, Shimshoni JA3.

**Author information**

1Kimron Veterinary Institute, Department of Toxicology, Bet Dagan, 50250, Israel.
2Kimron Veterinary Institute, Department of Bacteriology, Bet Dagan, 50250, Israel.
3Kimron Veterinary Institute, Department of Toxicology, Bet Dagan, 50250, Israel.

jakobshimshoni@gmail.com.


High Prevalence of Diverse Insertion Sequences within the rRNA Operons of Mycoplasma bovis.

**Author information**

1Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute, Beit Dagan, Israel Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
2Department of Molecular Microbiology and Biotechnology, Tel Aviv University, Tel Aviv, Israel.
3Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
4Department of Bacteriology, Animal and Plant Health Agency, Addlestone, United Kingdom.
5Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute, Beit Dagan, Israel Department of Microbiology and Molecular Genetics, The Hebrew University of Jerusalem, Jerusalem, Israel.
6Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute, Beit Dagan, Israel innal@moag.gov.il.

**Vet Ital. 2016 Sep 30;52(3-4):333-341.**

Bluetongue virus serotype 24 (BTV-24) in Israel: phylogenetic characterization and clinical manifestation of the disease.
Golender N1, Panshin A, Brenner J, Rotenberg D, Oura C, Khinich E, Bumbarov V.

**Author information**

1Division of Virology, Kimron Veterinary Institute, 50250 Bet Dagan, Israel.
**What can Akabane disease teach us about other arboviral diseases.**
Brenner J¹, Rotenberg D, Jaakobi S, Stram Y, Guini-Rubinstein M, Menasherov S, Bernstein M, Yaakobovitch Y, David D, Perl S.
**Author information:** ¹Department of Virology, Kimron Veterinary Institute, Bet Dagan 50 250, Israel.

**Mycoplasma mastitis in cattle: To cull or not to cull.**
Nicholas RA¹, Fox LK², Lysnyansky I³.
**Author information:**
1 The Oaks, Nutshell Lane, Farnham, Surrey GU9 0HG, UK. Electronic address: robin.nicholas@fsmail.net.
2 Washington State University, Pullman, WA 99164-7060, USA.
3 Kimron Veterinary Institute, POB 12, Beit Dagan 50250, Israel.

**Unusual clinical manifestations in Israeli ruminant populations infected with Orbiviruses.**
Bumbarov V¹, Golender N, Rotenberg D, Brenner J.
**Author information**
¹Department of Virology, Kimron Veterinary Institute, Bet-Dagan, 50250 Israel.

**Development of duplex dual-gene and DIVA real-time RT-PCR assays and use of feathers as a non-invasive sampling method.**
Davidson I¹, Raibstein I¹, Altory-Natour A¹, Simanov M², Khinich Y².
**Author information**
¹a Division of Avian Diseases, Kimron Veterinary Institute, Bet Dagan, Israel, P.O.Box 12, 50250.
²b Division of Virology, Kimron Veterinary Institute, Bet Dagan, Israel, P.O.Box 12, 50250.

**The Bacterial Second Messenger Cyclic di-GMP Regulates Brucella Pathogenesis and Leads to Altered Host Immune Response.**
Khan M¹, Harms JS², Marim FM³, Armon L⁴, Hall CL⁵, Liu YP⁵, Banai M⁶, Oliveira SC³, Splitter GA², Smith JA⁵.
Author information
1Cellular and Molecular Pathology Training Program, University of Wisconsin-Madison, Madison, Wisconsin, USA mkhan23@wisc.edu.
2Department of Pathobiological Sciences, University of Wisconsin-Madison School of Veterinary Medicine, Madison, Wisconsin, USA.
3Departamento de Bioquímica e Imunologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais, Belo Horizonte-Minas Gerais, Brazil.
4Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University, Ramat-Gan, Israel.
5Department of Pediatrics, University of Wisconsin-Madison School of Medicine and Public Health, Madison, Wisconsin, USA.
6Department of Bacteriology, Kimron Veterinary Institute, Beit Dagan, Israel.

Brucella abortus S19 vaccine protects dairy cattle against natural infection with Brucella melitensis.
van Straten M¹, Bardenstein S², Keningswald G³, Banai M².

Author information
¹"Hachaklait", Mutual Society for Veterinary Services, P.O.B. 3039, Caesarea Industrial Park, 38900, Israel. Electronic address: vanstraten@hachaklait.co.il.
²Kimron Veterinary Institute, P.O.B. 12, Bet Dagan 502501, Israel.
³"Hachaklait", Mutual Society for Veterinary Services, P.O.B. 3039, Caesarea Industrial Park, 38900, Israel.

Transmission tree of the highly pathogenic avian influenza (H5N1) epidemic in Israel, 2015.
Vergne T¹, Fournié G², Markovich MP³, Ypma RJ⁴, Katz R³, Shkoda I⁵, Lublin A⁵, Perk S³, Pfeiffer DU².

Author information
¹Veterinary Epidemiology, Economics and Public Health Group, Department of Production and Population Health, Royal Veterinary College, Hatfield, UK. timotheevergne@yahoo.com.
²Veterinary Epidemiology, Economics and Public Health Group, Department of Production and Population Health, Royal Veterinary College, Hatfield, UK.
³Veterinary Services, Ministry of Agriculture and Rural Development, Bet Dagan, Israel.
⁴Brain Mapping Unit, University of Cambridge, Cambridge, UK.
⁵Kimron Veterinary Institute, Bet Dagan, Israel.

Prior antimicrobial use as a risk factor for resistance in selected Staphylococcus pseudintermedius isolates from the skin and ears of dogs.

Zur G¹, Gurevich B¹, Elad D².

Author information
1 Veterinary Teaching Hospital, The Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, PO Box 12, Rehovot, 76100, Israel.
2 Department of Clinical Bacteriology and Mycology, Kimron Veterinary Institute, Veterinary Services, Ministry of Agriculture, Beit Dagan, 50250, Israel.

**Zoonoses Public Health. 2016 Dec 2.**

Impact of Rabies Vaccination History on Attainment of an Adequate Antibody Titre Among Dogs Tested for International Travel Certification, Israel - 2010-2014.

Yakobson B¹, Taylor N², Dveres N¹, Rotblat S¹, Spero Ż³, Lankau EW⁴,⁵, Maki J⁶.

Author information
1 Rabies Department, Kimron Veterinary Institute, Bet Dagan, Israel.
2 Veterinary Epidemiology and Economics Research Unit (VEERU) & PAN Livestock Services Ltd., School of Agriculture, Policy and Development, University of Reading, Reading, UK.
3 Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
4 LandCow Consulting, Madison, WI, USA.
5 Ronin Institute, Montclair, NJ, USA.
6 Merial Ltd., Athens, GA, USA.

**RSC Advances Royal Society of Chemistry, Issue 115, Dec 2016,**

Reduced use of glucose by normoxic cow's mammary gland under acute inflammation: an example of homeostatic aerobic glycolysis

Nissim Silanikove,*¹ Fira Shapiro,a Uzi Merin,b Yaniv Lavon,c Shlomo E. Blumd and Gabriel Leitnerd

Author affiliations * Corresponding authors
a Department of Ruminant Science, Animal Science, The Volcani Center, P.O. Box 6, Bet Dagan 50250, Israel  E-mail: nissim.silanikove@mail.huji.ac.il
b Food Quality and Safety, Postharvest and Food Sciences, The Volcani Center, P.O. Box 6, Bet Dagan 50250, Israel
c Israel Cattle Breeders Association, Caesarea, Israel
d National Mastitis Reference Center, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel
Chapter 9 pp. 133-150. **Brucellosis.**

Menachem Banai and Michael Bernstein, Department of Bacteriology, Kimron Veterinary Institute, Bet Dagan, Israel


**SELECTED HEMATOLOGIC AND PLASMA BIOCHEMISTRY ANALYSIS OF FERRUGINOUS DUCKS (AYTHYA NYROCA) IN ISRAEL.**

Avni-Magen N, Gancz AY, Beaufrère H, Lublin A1, Eshar D.
1 Kimron Veterinary Institute, Bet Dagan, 50250, Israel.


**Detection of Tilapia Lake Virus in Clinical Samples by Culturing and Nested Reverse Transcription-PCR.**

Kembou Tsowack JE¹, Zamostiano R¹, Watted S², Berkowitz A², Rosenbluth E², Mishra N³, Briese T³, Lipkin WI³, Kabausuu RM⁴, Ferguson H⁴, Del Pozo J⁵, Eldar A⁶, Bacharach E⁷.

**Author information**

1 Department of Cell Research and Immunology, The George S. Wise Faculty of Life Sciences, Tel Aviv University, Tel Aviv, Israel.
2 Fish Diseases Laboratory, The Kimron Veterinary Institute, Bet Dagan, Israel.
3 Center for Infection and Immunity, Mailman School of Public Health, Columbia University, New York, New York, USA.
4 Marine Medicine Program, Pathobiology, School of Veterinary Medicine, St. George’s University, Grenada, West Indies.
5 Royal (Dick) School of Veterinary Studies, University of Edinburgh, Edinburgh, Scotland.
6 Fish Diseases Laboratory, The Kimron Veterinary Institute, Bet Dagan, Israel eldar@int.gov.il eranbac@post.tau.ac.il.
7 Department of Cell Research and Immunology, The George S. Wise Faculty of Life Sciences, Tel Aviv University, Tel Aviv, Israel eldar@int.gov.il eranbac@post.tau.ac.il.

**Front Microbiol.** 2016 Apr 27; 7:595.  
Lysnyansky I¹, Ayling RD².  
Author information  
¹ Mycoplasma Unit, Division of Avian and Aquatic Diseases, Kimron Veterinary Institute Beit Dagan, Israel.  
² Department of Bacteriology, Animal and Plant Health Agency Addlestone, UK.

*Neospora caninum: Chronic and congenital infection in consecutive pregnancies of mice.*  
Mazuz ML¹, Shkap V², Wollkomirsky R², Leibovich B², Savitsky I², Fleiderovitz L², Noam S², Elena B², Molad T², Golenser J³.  
Author information  
¹ Division of Parasitology, Kimron Veterinary Institute, P.O.B. 12, Bet Dagan 50250, Israel; Department of Microbiology and Molecular Genetics, The Kuvin Center for the Study of Infectious and Tropical Diseases, The Hebrew University of Jerusalem, Jerusalem, Israel. Electronic address: monica@int.gov.il.  
² Division of Parasitology, Kimron Veterinary Institute, P.O.B. 12, Bet Dagan 50250, Israel.  
³ Nature Reserve Authority, P.O. Box 667, Eilat, Israel.

*Molecular characterization of Trichinella species from wild animals in Israel.*  
Erster O¹, Roth A², King R³, Markovics A².  
Author information  
¹ Division of Parasitology, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel. Electronic address: orane@moag.gov.il.  
² Division of Parasitology, Kimron Veterinary Institute, P.O. Box 12, Bet Dagan 50250, Israel.  
³ Nature Reserve Authority, P.O. Box 667, Eilat, Israel.
Publications of KVI researchers in “Israel Journal of Veterinary Medicine” 2016

Israel Journal of Veterinary Medicine 2016 71(1) 10-14


Pozzi, P.S.1* and Alborali, G.L.2
2 Animal Health Institute “IZS-LER”, Brescia, Italy.
* Corresponding author: Dr. P.S. Pozzi, DVM, ECPHM, Veterinary Services and Animal Health, Ministry of Agriculture and Rural Development. POB 12, Beit Dagan 5025001, Israel. Tel. (+972) 50-6243951; Fax. (+972) 3-9681795, Email: pozzis@moag.gov.il

Israel Journal of Veterinary Medicine 2016 71(1) 24-30

Dynamic of Cytokine Gene Transcription (TNF-α, IL-1β, IL-6, IL-8) in Surgically Treated Colic Horses by Use of Real-Time PCR (RT-PCR)

Epstein, A.,1* Nir, E.,1 Eyngor, M.,2 Eldar, A.,2 Bdolah-Abram, T.,2 Kelmer, E.1 Steinman, A.1 and Bruchim, Y.1
1 The Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem, Israel.
2 Department of Poultry and Fish Diseases, The Kimron Veterinary Institute, Israel.
* Corresponding author: Dr. Ana Epstein, DVM, The Koret School of Veterinary Medicine, Hebrew University of Jerusalem, P.O. Box 12, Rehovot, 76100, Israel, Tel: +972-3-9688588 Fax: +972-3-9604079. Email address : ana6@hotmail.com

Israel Journal of Veterinary Medicine 2016 71(1) 53-57

Salt Intoxication in Commercial Broilers and Breeders – a Clinical and Pathological Description

Perelman, B.,1* Farnoushi, Y.,2 Krispin, H.3 and Rish, D.4
1 Poultry Veterinarian-Clinical Consultant, Kibbutz Beit Kama, Israel.
2 Department of Avian and Fish Diseases, Kimron Veterinary Institute, Beit Dagan. Israel.
3 Yavne Hatchery, Kibbutz Yavne, Israel.
* Corresponding Author: Dr. Beny Perelman, Kibbutz Beit Kama, POB 38. D.N., Negev, Israel, 85325. Tel: 0549755905. Email: benyperelman@gmail.com
Multidrug-Resistant Staphylococcus pseudintermedius in Israel
Blum, S.E.,1 Fleker, M.,1 Weisbelith, L.,1 Avni, Z.2 and Elad, D.1
1 Kimron Veterinary Institute, Beit Dagan, Israel.
2 Israeli Veterinary Services, Beit Dagan, Israel.

Equine Botulism in Israel
Shnaiderman-Torban, A.,1 Elad, D.,2 Kelmer, G.1 and Steinman, A.1
1 Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
2 Kimron Veterinary Institute, Beit Dagan, Israel.

Evaluation of Topical Sustained Release Formulation Containing Chlorhexidine in Prevention of Intra-Mammary Bacterial Infections in Dairy Cows During the Dry Period
Lavy, E.,1 Leitner, G.,2 Barkan, D.1 and Friedman, M.3
1 Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel.
2 Kimron Veterinary Institute, Beit Dagan, Israel.
3 School of Pharmacy, The Hebrew University of Jerusalem, Jerusalem, Israel.

Development of a Differential Diagnostic Assay (Diva) Between Vaccine and Wild-Type Turkey Meningoencephalitis Viruses (Tmev)
Davidson, I.,1 Reibshtein, I.,1 Altori, A.,1 Simanov, M.2 and Khinich, Y.2
1 Division of Avian Diseases, Kimron Veterinary Institute, Beit Dagan, Israel.
2 Division of Virology, Kimron Veterinary Institute, Beit Dagan, Israel.

Genotypic Characterization of Avian Reovirus Isolates in Israel
Farnoushi, Y., Mechani, S. and Lublin, A.
Division of Avian and fish Diseases, Kimron Veterinary Institute, Beit Dagan, Israel.
A New Subgroup of Velogenic New Castle Disease Virus with a Potential to create the 5th Panzootic.

Haddas, R.1 and Afonso, C.2
1 Division of Avian Diseases, Kimron Veterinary Institute, Beit Dagan, Israel.
2 Southeast Poultry Research Laboratory's (SEPRL), USDA, USA.

Outbreak of Avian Influenza (H5N1) in Israel, 2015

Lublin, A.,1 Shkoda, I.,1 Lapin, K.,1 Simanov, L.,1 Haddas, R.,1 Rozenbluth, E.,1 Perry Markovich, M.2 and Perk, S.2
1 Division of Avian and fish Diseases, Kimron Veterinary Institute, Beit Dagan, Israel.

Suspected Melamine-Cyanuric Acid Intoxication in Gilt Head Sea Bream

Berkowitz, A.,1 Britzi, M.,2 Hershko, H.3 and Eldar, A.1
1 Laboratory of Fish Diseases, Kimron Veterinary Institute, Beit Dagan, Israel.
2 Residue Control Laboratory, Kimron

Wildlife Pathogen Surveillance in Israel to Inform Human and Animal Infectious Disease Control: a Prioritization Exercise

Lapid, R.,1* King, R.,2 Yakobson, B.,3 Shalom, U.4 and Moran-Gilad, J.5,6
1 Hai Park Zoo, 79th Ha-Hashmonaim Street, Qiryat Motzkin, 2633761, Israel.
2 Science and Conservation Division, Israel Nature and Parks Authority, 3rd Am Ve’Olamo Street, Jerusalem, 95463, Israel.
3 Kimron Veterinary Institute, Bet Dagan, 50250, Israel.
4 Pest Surveillance and Control Division, Ministry of Environment Protection, Jerusalem, Israel.
5 Public Health Services, Ministry of Health, Jerusalem, Israel.
6 Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

Pricing of Cow’s Milk in Relation to Bulk Milk Somatic Cell Count in the Threshold Range of 400×10^3 cells per Milliliter

Leitner, G.,1* Lavon, Y.,2 Matzrafi, Z.,3 Benun, O.,3 Bezman, D.4 and Merin, U.4
A Seroprevalence Study of Toxoplasma gondii in some bird and animal species of Israel and its Possible Reflection on Environmental Contamination

Salant, H.,1* Yasur-Landau, D.,2 (from 2017 KVI) Baneth, G.,2 Spira, D.T.1 and Hamburger, J.1
1 Department of Parasitology, Hebrew University, Hadassah Medical School, P.O. Box 12272, Jerusalem 91120, Israel.
2 School of Veterinary Medicine, Hebrew University of Jerusalem, Rehovot, Israel.

Common Feed and Animal Derived Food Contaminants in Israel

Barel, S.,1* Elad, D.,2 Cuneah, O.1, Massrwa, M.3 and Shimshoni, J.A.1
1 Kimron Veterinary Institute, Department of Toxicology, Bet Dagan, 50250, Israel.
2 Kimron Veterinary Institute, Department of Bacteriology, Bet Dagan, 50250, Israel.
3 Plant Protection and Inspection Services, Ministry of Agriculture and Rural Development, Bet Dagan 50250, Israel.