

Aerosols

Newsletter of the World
Veterinary Poultry Association



Editor – Charles Hofacre

Contents

| | |
|---|----|
| President's message | 1 |
| WVPA XXth Congress 2017 | 2 |
| False laying syndrome in chickens | 3 |
| Branch reports: Argentina, Iraq | 5 |
| Branch reports: Italy | 7 |
| Branch reports: Nigeria, Pakistan | 8 |
| Branch reports: Philippines | 9 |
| Branch reports: Kenya, UK | 10 |
| Branch reports: USA | 11 |
| Branch reports: Israel | 13 |
| WVPA's digital library | 14 |
| Diary of Meetings 2017/1018 | 15 |
| National contacts | 16 |

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For more information on the association, membership, grants and awards, publications, meetings and links to related websites

President's message

As we approach our biennial congress in Edinburgh I am pleased to report that the WVPA is fit and healthy and the Edinburgh meeting is on stream to be our largest ever. But, not to worry, the Edinburgh organising team has managed to successfully combine quantity with quality and, as we say in the UK, the proof of the pudding is in the eating! I am sure you will enjoy this Scottish pudding!

New branches are continuing to emerge and our global and Asia meetings go from strength to strength. The last meeting in Manila was a success and Asia is now looking forward to the 4th Asia Meeting of the WVPA, which will be held in Kuala Lumpur, Malaysia in September/October 2018. Staying in Asia, I am also pleased to report that our Thai colleagues have brought together a strong and diverse local organising committee for WVPA2019 in Bangkok – we will hear more from them in Edinburgh during WVPAC2017.

WVPA was offered the opportunity to be actively involved in the inaugural Poultry Africa this coming October in Kigali, Rwanda. We will be hosting two half day technical sessions that focus on antimicrobial resistance, zoonotic pathogens, avian influenza and poultry welfare. You will probably recall that at the beginning of the year I put out a request to members for speakers. We had a great response and now have a programme featuring speakers from America, Brazil, Ghana, Kenya, Bangladesh and the UK – if that is not an international programme, then I do not know what is! I look forward to this meeting elevating WVPA's profile in Africa and thereby benefitting our African branches.

This year's AGM sees an updated Constitution and Rules being put forward for adoption. One new concept is to provide the option for a region not already represented on the Executive to be represented and, in this context, the regions proposed are Europe, the Americas, Africa and the Middle East, Asia and Australia. This can only result in a better representation of the membership at this level.

I look forward to seeing you all in Edinburgh in September.

Nigel Horrox



WVPA XXTH CONGRESS 2017

4 – 8 September 2017

EICC, Edinburgh

The British Veterinary Poultry Association (BVPA) is delighted to host the 2017 Congress in Edinburgh, kicking off at the world-renowned Edinburgh Castle.

The XXth WVPA Congress aims to host in excess of 1200 participants from over 70 countries joining together to explore the past, share the present and helping to forge the future of poultry veterinary science.

“The congress will attract a wide range of delegates including poultry research scientists and practitioners.”

Scientific Content

The programme will open on Monday 4 September with a series of workshops and the exhibition opening ceremony, followed by a welcome reception at historic Edinburgh Castle. The four main congress days will be packed with 32 parallel sessions and 18 keynotes, 3 industry symposia and will finish with a closing ceremony at lunchtime on Friday 8 September.

Social Programme

Welcome Reception At Edinburgh Castle.

Edinburgh Castle is one of the most exciting historic sites in western Europe, set in the heart of Scotland's dynamic capital city it is sure to capture your imagination. Join us on Monday 4 September for your exclusive access to Edinburgh Castle at our Welcome Reception.

Gala Dinner At The National Museum Of Scotland.

Join us on Thursday 7 September at The National Museum of Scotland to celebrate the end of, what is sure to be, a successful congress at the Gala Dinner. Seated in the light-filled atrium of the Grand Gallery with its soaring pillars and high windows it presents a breath-taking backdrop that's not to be missed.

Contact Details

WVPA 2017

c/o Congress Secretariat, MCI UK Ltd
Suite 4.1, Turnberry House, 175 West George Street, Glasgow G2 2LB

Phone: +44 (0) 141 202 2888

Email: WVPA2017@mci-group.com

For more information please visit
www.wvpac2017.com



False laying syndrome in chickens

Laying chickens with false laying syndrome have a normal ovulation process but due to inflammation of the oviduct, often with occlusion of the tube, egg laying usually stops.

One of the primary causes of the syndrome is infectious bronchitis virus that infects birds at a young age and affects the development and function of the oviduct at the laying period. Other possible factors for the syndrome are husbandry, nutrition or mycotoxins.

A Lohmann flock with no abnormal clinical events or unusual mortality during the growing pullet period reached a laying peak of 89%, and it was clear that some of the birds were not laying eggs.

External sexual signs were normal and the false layers could not be identified. Husbandry and nutritional factors did not indicate anything unusual.

Post-mortem examination had been conducted in seven of the birds at the Avian Disease Laboratory of Kimron Veterinary Institute, Bet Dagan. The pathological examination revealed no external injuries, no rickets, and the physical condition of all birds was normal.

All organs except the oviduct appeared normal. In four of the seven birds a 'cystic oviduct' was found, an improper oviduct lined with a number of clear fluid-filled cysts (several tens ml).

All birds had an intact ovary with normal

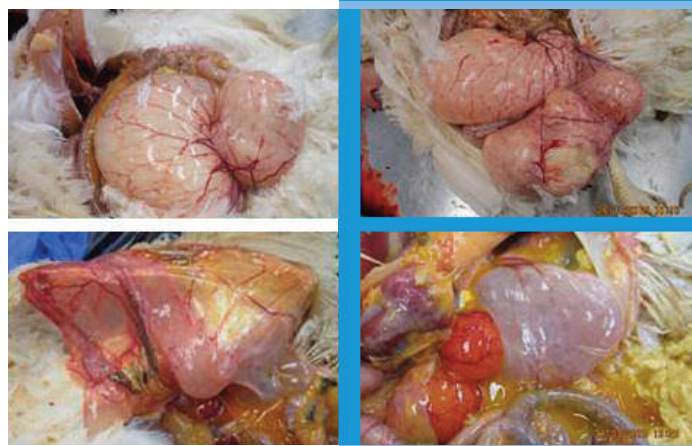
various-sized follicles (see picture). The oviduct was always the left oviduct and not the right as in 'right oviduct anomaly'.

Tracheal and cloacal swabs were checked for Newcastle disease virus, infectious bronchitis virus and *Mycoplasma gallisepticum* and were negative for all these agents by PCRs.

In bacteriological tests *E. coli* was isolated from ovarian follicles of 5/7 chickens, from an intact oviduct and a cystic oviduct of another bird, from one cyst fluid, and from ovaries of two chickens.

The possibility of infection of pullets at a very young age with infectious bronchitis virus and injury of the oviduct and the egg production process could not be proven.

The aetiology for this 'cystic oviduct anomaly' is unknown and still needs to be studied.



Cystic oviduct.

Avishai Lublin
Kimron Veterinary Institute
Bet Dagan, Israel

Contributions

Why not tell Aerosols' readers about your branch and its activities (good quality pictures are always welcomed) as well as forthcoming meetings so that we can mention them in our diary of future events.

National WVPA Branch Secretaries and individual members are encouraged to send contributions for inclusion in future editions of Aerosols to Sue Clanton at: sclanton@uga.edu





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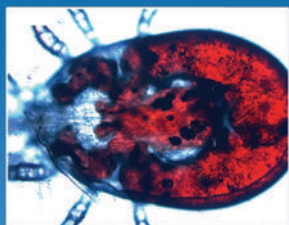
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Branch reports

Argentina

Avian influenza (AI) remains exotic in Argentina. In 2006, SENASA expanded epidemiological surveillance to wild, free-living birds.

The results were presented by the author at the III Latin American Congress and VI Argentine Congress of Zoonoses, held in Buenos Aires in 2008.

At that time AI was isolated in a Kelp Gull of the coast of the province of Buenos Aires. A new surveillance began in the middle of that year on populations of seagulls on the coast of the county of Pinamar and other wild birds from other parts of the province of Buenos Aires.

Samples of fresh faeces or organs of road or freshly killed birds were inoculated in embryonated eggs; the presence of AI was evaluated using the haemagglutination technique at five days of incubation.

Once per month two additional SPF embryos were inoculated with a Newcastle virus La Sota as a control of the inoculation techniques and the haemagglutination test.

The haemagglutinated activity was tested from allantoic fluid of embryos alive and dead and two blind passages were made in negative samples.

A total of more than 4,000 samples were studied: 2040 of *Larus maculipennis*, 549 *Larus dominicanus*, 63 of *Larus atlanticus*, 101 of *Larus cirrocephalus*, 47 *Eudiptes chrysocome*, 82 *Spheniscus magellanicus*, 255 *Myiopsitta monacha*, 157 *Passer domesticus* (Sparrow), 149 *Zonotrichia capensis* (Chingolo), 305 *Turdus rufiventris* (Thrush), and 409 *Nothura maculosa* (partridge).

All viral isolates were negative in the analysed samples.

In Argentina there is a low or no incidence of AI viruses in the wild birds, despite being the natural hosts.

It is postulated that this is because in the winter months in the northern hemisphere, when birds migrate southward, the rate of virus infection and dissemination is very low.

In any case, the collection of samples continues from fresh samples of faecal material from dead birds to be able to analyse them in the near future.

Celina Buscaglia
WVPA Argentina Branch

Iraq

On 10th April 2017, Assistant Prof. Dr Yasser Jamal Jameel (President of WVPA Iraq) and members of the WVPA-Iraq branch attended the third scientific conference at the College of Veterinary Medicine, University of Kerbala, Iraq. Dr Latif Kadhim, Dr Ihsan Sulbi, Dr Ayed H. Al Mosawi, Dr Kadhim S. Kadhim, Dr Tahani Alazawi, Dr Mushtaq T. Abdulwahid, and Dr Majida Jaafer participated in the conference and presented results of their research.

Animal House Hospital participated in the conference by the attendance of Dr Alaa Hikmat Fadhil and Dr Hassan Alghalebi. Dr Yasser also attended the annual meeting of Poultry Science Association (PSA), New Orleans, Louisiana.

Dr Yasser, Dr Mohammed M. Hashim and Morouj Al-Ajeeli presented their data of the research entitled: Phase one laying performance of Hy-line Brown hens fed soybean and soybean free diets using caged and cage free rearing systems.

Raghad A. Abdaljaleel, Dr Yasser Jameel, Morouj Al-Ajeeli, and Dr Mohammed M. Hashim also shared their data of the research entitled: Effect of yeast cell wall supplementation on threonine requirements in broilers as measured by performance and intestinal morphology. In addition, Dr Mohammed M. Hashim, Dr Yasser Jameel, Morouj Al-Ajeeli and Raghad A. Abdaljaleel presented results of their research entitled: Performance of broilers fed diets supplemented with two yeast cell wall strains using two feeding strategies.

A training course (New Techniques to Enhance Avian Performance) was organised by the College of Veterinary Medicine / University of Baghdad. The seminars were given by Assistant Prof. Dr Yasser Jamal Jameel, Dr Mushtaq T. Abdulwahid, Dr Jassim Almusawi, Dr Mohanad Hamood and many others. The seminars covered many subjects such as the principles of avian nutrition, in ovo feeding technology and nutrient requirements during hot weather, especially in Iraq.



Assistant Prof. Dr Yasser Jamal Jameel (President of WVPA Iraq) and Morouj Al-Ajeeli (PhD fellow at Poultry Science Dept, Texas A&M University) during the preparation of eggs sensory test.

Assistant Prof. Dr Yasser Jamal Jameel
WVPA Iraq Branch

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Branch reports

Italy

On April 6th and 7th, the Italian branch of the World Veterinary Poultry Association held the 56th Annual Conference of the Società Italiana di Patologia Aviaria (Italian Society of Avian Pathology) in Forlì. The first day focused on the health status of the Italian poultry sectors regarding their major diseases observed in 2016.

Dr Battistoni (private veterinarian) showed the most common diseases in broilers and included in his presentation some interesting case reports. He reported an increasing prevalence of Avian Metapneumovirus subtype B and of Enterococcal spondylitis compared to the previous year.

Prof. Camarda (University of Bari), talking about the health conditions concerning laying hens, concluded that 2016 was a favourable year for their pathologies. He reported that some cases of fatty liver Haemorrhagic syndrome happened both in northern and in southern Italy.

Dr Alessandri (private veterinarian) summarised the respiratory and enteric diseases observed in the turkey industry. He finished his talk reporting the efficacy of the use of an autogenous vaccine for controlling an outbreak of lactose negative *E. coli*.

Dr Scolari (Vallerama Laboratory), like last year, presented a report regarding the diseases of game birds (guinea fowl, duck, pheasant, etc).

At the end of the afternoon Dr Terregino (Istituto Zooprofilattico Sperimentale delle Venezie) updated the members on the latest HPAI H5N8 Italian outbreaks' epidemiology also showing the molecular characteristics of the viruses identified.

The day after, April 7th, the Conference was entitled 'Viral respiratory diseases in poultry: update on epidemiology and control measures'. Five international distinguished guests were invited as speakers:

● Dr Ana Moreno Martin (Istituto Zooprofilattico Sperimentale delle Lombardia e dell'Emilia

Romagna – Sezione di Brescia) gave a presentation on infectious laryngotracheitis focusing on epidemiology and molecular aspects of some strains identified in Italy.

● Prof. Elena Catelli (University of Bologna) gave a comprehensive review about the infections of avian metapneumovirus in poultry in Italy.

● Dr Paola Massi (Istituto Zooprofilattico Sperimentale delle Lombardia e dell'Emilia Romagna – Sezione di Forlì) talked about infectious bronchitis virus reporting that the QX-like genotype is the major one detected in Italy.

● Dr Peter Wijnen (PPDA consultancy, The Netherlands) presented the practical management experiences of respiratory diseases in The Netherlands.

● Dr Ilaria Fontana (University of Milano) drew our attention speaking about the air quality control technology in poultry.

The scientific papers, as the previous year, will be presented by members in a dedicated meeting of the Società Italiana di Patologia Aviaria on 22 September 2017 in Parma.

During the SIPA annual general committee the decision was taken to apply for hosting the XXIInd congress of the WVPA in Italy in 2021.

Mattia Cecchinato
WVPA Italy Branch

Nigeria

The Nigeria branch membership drive is growing day by day and we are reaching out to all stakeholders in the poultry industry to see how we can better the poultry health challenges in our environment.

On January 31, 2017, we had an official inauguration ceremony of the Nigeria poultry vets in the nation capital, Abuja. We had in attendance the past and current Chief Veterinary officers of Nigeria, the Minister of Agriculture, the Minister of the Federal Capital Territory, Abuja and many farmers in and around the city. It was marvellous and we have started working out programs that will improve the local and national approaches to poultry health matters.

The Nigeria poultry industry was once again jolted by a wave of High Pathogenic Avian Influenza virus outbreak, H5N1. Many poultry farms were depopulated in the bid to control the spread running into millions of birds. The Northern region of Nigeria was mostly affected in the current outbreak. The spread was uncontrollable, apparently due to panicking from the local farmers and no compensation from the government, which made quarantine measures difficult to implement.

In the light of the above we have adopted the following:

- Sensitising the industry by meeting with different stakeholders to adopt the necessary measures to control the spread by instituting movement of poultry and its products in the event of an outbreak. It was pretty difficult to achieve this in past cases.
- Intensive enlightenment to adopt sound biosecurity measures at farm sites and live bird markets.
- Adopting a proactive poultry disease

surveillance for AI and other prevalent poultry diseases.

We would want to use this opportunity to ask for help from this august body to partner with us through their recommendations to individuals, companies, and institutions to help establish structure towards growing our poultry health management in Nigeria. This is a great challenge to the professionals.

Zoetis Inc has indicated interest in developing a network of veterinary diagnostic centres in Nigeria, Ethiopia and Uganda.

Dr Jones Okoye
WVPA Nigeria Branch

Pakistan

The WVPA Pakistan branch is actively working to promote and disseminate knowledge about avian disease and their management. In this regard branch members freely interact with each other.

It is an honor for WVPA Pakistan that president of WVPA Pakistan, Dr Hanif Nazir Ch., was selected as Convener of the National Disease Control Committee (NDCC) of Pakistan Poultry Association and that Dr Muhammad Kashif Saleemi Secretary WVPA Pakistan is a member of the NDCC.

Both these veterinarians are playing pivotal roles to control poultry diseases in Pakistan.

A delegation of 8-10 members of WVPA Pakistan will participate in the WVPAC 2017 Edinburgh UK. There will be four poster presentations and three oral presentations by WVPA Pakistan members.

Prof. HM Hafez (Honorary Life President of WVPA) with two WVPA Pakistan members during his recent visit to Pakistan.



Branch reports

Two young members of WVPA Pakistan Dr Aisha Khatoon and Dr Sheraz Ahmad Bhatti are also competing for Houghton trust travel grants as oral presenters.

Dr Muhammad Kashif Saleemi
WVPA Pakistan Branch

Philippines

Philippine College of Poultry Practitioners Inc (PCPP) recently held its 1st 2017 Scientific Conference at BlackBoard Restaurant, The Podium Mall, ABD Avenue, Ortigas Center, Mandaluyong City, Philippines.

The Bureau of Animal Industry (BAI), Representative from Animal Health and Welfare Division, Dr Ma. Gracia N. Dizon-Flores gave a presentation on Animal Welfare Laws, Policies and Guidelines. Likewise, our very own Dr Antoliano Alday discussed 'Making Sense of your Layer Record'.

The scientific conference also allowed four applicants of the Philippine College of Poultry Practitioners to present their scientific papers. They were as follows:

- Dr Romeo V. Visperas Jr. – A Case Investigation of Hypoglycemia Spiking Mortality Syndrome in Broiler Farm.
- Dr Maria Luisa Dandan-Recinto – Breast to Keel Ratio: A Quality Tool to Reduce Lechon Manok Rejection.
- Dr Ricardo G. Guino Jr. – Understanding Deep Pectoral Myocopathy in Broilers.

Dr Ma Gracia N. Dizon-Flores with PCPP President Dr Paulino C. Abad (right) and PCPP Technical Committee Head Dr Mel Umandal (left)



- Dr Nancy S. Romano – Characterisation of β -mannanase and α -galactosidase Activity on Broiler Chicken Diets Containing Different Levels of Extracted Coconut Residue.



The Philippine College of Poultry Practitioners Inc joins the Philippine Veterinary Medical Association (PVMA) Convention

Once again, the Philippine College of Poultry Practitioners was tasked to handle the poultry session of the 84th Scientific Conference and Annual Convention of the PVMA in February at the City of Pines, Baguio City, with the theme One Health: Continuing Veterinary Education.

There were eight well-attended scientific presentations delivered by various poultry experts from the Philippines and from other countries.

Topics included Alternative Poultry Production Methods, Immunity against Coccidiosis, Updates on Avibacterium paragallinarum, Leaky Gut, Global Epidemiology and Prevention Strategies of ND and World Update on Avian Influenza.

Dr Lina S. Policarpio
WVPA Philippines Branch



PCPP members after the successful hosting of the poultry session during the 84th PVMA Convention.

The PCPP Board during the 84th PVMA Convention. From left, Immediate Past-President, Dr Erwin Cruz, President – Dr Paulino Abad, PRO – Dr Aurelio G. Tayao, Treasurer – Dr Elizabeth Conde, Secretary – Dr Lina S. Policarpio, Membership Committee Chair – Dr Daniel A. Rodriguez and Technical Committee Chair – Dr Mel C. Umandal.

Kenya

Farmers' Training and Exhibition Day in Machakos

We held a poultry farmers' training and exhibition day at Machakos in Eastern Kenya on the 25th May 2017. Machakos is 60km east of Nairobi. Nairobi has been growing towards the east and experts predict a time when Nairobi and Machakos may merge to become one city. This sort of prediction has led to an increase in investment in Machakos, including in the area of poultry farming.

Some 98 farmers registered for the training that was held at the Machakos Cathedral Hall from 9.00 am to 5.00 pm. Each person paid a nominal fee of KShs 500 (US\$ 50) to get into the training.

We had a team of six vets and paravets led by our Treasurer, Dr Joshua Mwangangi. We trained on various aspects of poultry farming including disease prevention in poultry, how to maintain biosecurity in a poultry farm or house and the importance of vaccinations. We also trained on how to build brooders and chicken houses.

We focused our training on how to prevent diseases like Newcastle, Gumboro disease, infectious coryza and Marek's disease.

Some of the companies that turned up to exhibit their products were Osho Pharmaceuticals, Vet Care Pharmaceuticals, Pepea Hatcheries, Sheba Agroveter, Machakos Veterinary Farm and The Nairobi Veterinary Centre.

Apart from the 98 farmers who registered for training, about 500 members of the public visited the exhibition stands at no charge.

We are planning two more farmers' training days for 2017 – one in Murang'a (100km to the north of Nairobi) and Mombasa, which

is Kenya's second largest city. Both places have a fast growing poultry sector and we are working to create partnerships and networks with farmers and stakeholders.

First module of Farmers' Training Course

In March, we received the first module on the training course we are developing for farmers and other poultry sector stakeholders.

This module is on Food Safety and Quality and is currently being edited.

The other modules are still in writing. These are: A Survey of the Poultry Sector in Eastern Africa, Understanding Poultry Biology, Diseases and Parasites of Poultry, Marketing Poultry Products in Eastern Africa and Beyond and Principles of Poultry Husbandry. In total, the course will have six modules when it is complete and will be offered to farmers on a distance-learning basis at a reasonable charge.

We had hoped to complete writing the course by September 2017, but it is coming along quite slowly due to the fact that our members hold jobs and only work on the modules in their free time. Therefore we have pushed our expected completion date to June 2018.

Dr Simon Alubbe
WVPA Kenya Branch

UK

It is with great pleasure that the UK Branch of the WVPA invite you, on behalf of the World Veterinary Poultry Association, to join us at the WVPA XXth Congress 2017 which will take place at The Edinburgh International Conference Centre (EICC), Edinburgh, SCOTLAND between 4 and 8 September 2017.

The congress has an extensive and diverse scientific programme with over 160 oral presentations, four workshops and 330 poster presentations. A unique opportunity to share the latest knowledge and developments in poultry veterinary science. Full details of the programme can be found on the conference website at www.wvpac2017.com.

The congress is based in the historic city of Edinburgh, Scotland's inspiring capital, and has a fun packed social agenda including the Gala dinner in the astounding National Museum of Scotland.



Farmers attend TVPF training in Machakos, Kenya.

Members of the public visit exhibition stands at the TVPF training in Machakos, Kenya.



Branch reports



WVPA XXTH CONGRESS 2017

3 – 8 September 2017
EICC, Edinburgh

Come and join us for this incredible opportunity and share in what will be a truly memorable occasion.

Philip Hammond
Chairman Local Organising Committee of
the WVPA XXth Congress 2017

USA

The US Branch of the WVPA is the AAAP. The annual meeting will be held in Indianapolis, Indiana, USA from 21-25th July. This will be the 60th annual meeting and will have many special events and speakers.

There is an exciting new meeting planned for the 60th Anniversary this year and there are many new additions to the schedule.

We will be launching a new Opening Session and Luncheon as well as a new Poultry Professional Networking Event.

Students and young professionals will have an opportunity to talk with poultry experts from a variety of career paths while enjoying snacks and drinks.

All members are encouraged to come and greet some of the newer members of the AAAP.

Brett Stuart, CEO of Global AgriTrends, will be giving the keynote speaker address entitled 'Global Competitiveness Focusing on Broilers, Turkeys and Table Eggs'.

We will show an AAAP history video to honour our 60th anniversary before Dr John Donahoe gives the AAAP Lasher-Eckroade History Lecture entitled 'Early Poultry Vaccine Company Development, the Era of Entrepreneurs'. We will also offer an unusual but very important Poultry and Policy Symposium.

Finally, our Awards Luncheon is now an Awards Dinner. Don't miss the Reception!

Chuck Hofacre
WVPA USA Branch

The 2017 AAAP Annual Meeting in Indianapolis



[Click Here for the AAAP Program](#)



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David Suarez (USA)



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Anthony Nsoh Akunzule (Ghana) & Victor Yamo (Kenya)



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Who will be attending?



Where?

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For further information please contact Ms Diána Tóth:

diana.toth@vnuexhibitions.com or visit www.poultryafrica2017.com



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Branch reports

Israel

The last meeting of the WVPA Israel Branch took place in a crowded hall at the State Veterinary Services Bet Dagan. Colleagues and friends came to honour the memory of Dr Oded Plesser who fell in action during the Yom Kippur War. At the annual meeting held in Dr Plesser's memory, a prize is awarded to someone who has contributed towards the poultry industry in Israel.

This year, Dr Yehuda Friedman was awarded this prize, which explained the unusually high number of attendees at the meeting.

Dr Friedman was born in 1944 in South Africa and grew up on a dairy farm in the Transvaal. In 1967 he graduated from the Veterinary College of Onderstepoort, in Pretoria. He worked in both small and large animal veterinary practices, in Canada, England and South Africa. In 1975, he emigrated with his wife and children to Israel and began working with poultry at the Regional Poultry Disease Laboratories.

In 1979 he graduated as a Poultry Specialist from the Tel Aviv University.

During these years Dr Friedman published a number of articles, for example Tibial Dyschondroplasia (TD), Heat Stress and Nicarbazine, Viral Arthritis, Malabsorption Syndrome and many more.

From 1987-2016 Dr Friedman headed the Veterinary Department for the Ramit Turkey Breeders and Efrat Heavy Breeders Organization (AT group) and was involved in the entire production chain of the firm: health, management, incubation, and nutrition. Apart from diagnostics, monitoring and vaccinal strategies, a lot of emphasis was placed on biosecurity; which resulted in the eradication of MM and MI in Israel. Other fields of interest include salmonellosis, spondylosis in turkeys, flip-over syndrome in turkey poults, hepatic lipidosis in turkey breeders, and more.

In additional news from the Israel branch, Irit Davidson et al. from the Kimron Veterinary Institute, Bet Dagan, Israel is publishing an innovative DIVA assay (differential amplification) in Avian Pathology. It is aiming to distinguish between virulent field isolates of Marek's disease virus and the vaccine virus strains Rispens / CVI988.

The MDV-DIVA assay was developed on the

basis of Baigent et al's (2016) previous study. The virus amplification targeted the MDV pp38 gene using similar primers and alternate probes for virulent MDV-1 and for the vaccine CVI988 virus. Davidson et al. explored the assay applicability for commercial MDV vaccines and for DNAs purified directly from organs of MD-infected commercial chickens, as well as on feather DNA of commercial layers that were vaccinated commercially with MDV vaccines. The focus on such samples differed from the former study, which employed tissue cultured prototype MDV strains and chicken tissue from experimental infection trials. Further, the applicability of the DIVA assay was evaluated using single or duplexed probes for the two viruses in the same amplification tube.

The MDV-1 DIVA real-time PCR performed as single probe in separate tubes using the Vir3 probe was very sensitive for virulent MDV-1 strains, but not very specific, as it also gave a clear signal with CVI988 vaccine virus. In contrast, the CVI vaccine probe was specific for CVI988, and did not recognise the MDV-1 strains. When both probes were present in one tube, the CVI probe showed a greater sensitivity for CVI988, while the Vir3 probe showed a much better specificity for virulent MDV-1.

Dan Heller reported that the Israel Ministry of Agriculture and Village Development accepted and supported the research proposal application by four research institutes, Migal Research Center (Kiriath Shmona), Kimron Veterinary Institute (Bet Dagan), Faculty of Agriculture, The Hebrew University of Jerusalem (Rehovot) and Beer-Sheva University Center for Algae Biotechnology (Sde-Boker) to establish a new Center for Advanced Poultry Vaccine Development.

This centre will study new approaches for vaccine development against Newcastle disease virus, avian influenza, Avian REO virus and avian infectious bronchitis virus. The leading scientist Prof. Jacob Pitcovsky chairs the centre.

Dr Ruzenka-Rachel Bock
WVPA Israel Branch



Dr Yehuda Friedman



Dr Yehuda Friedman
accepting the
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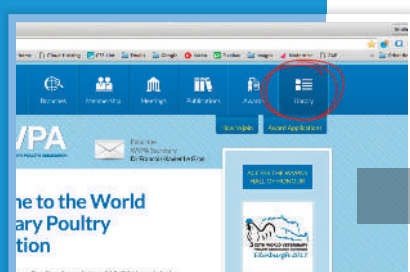
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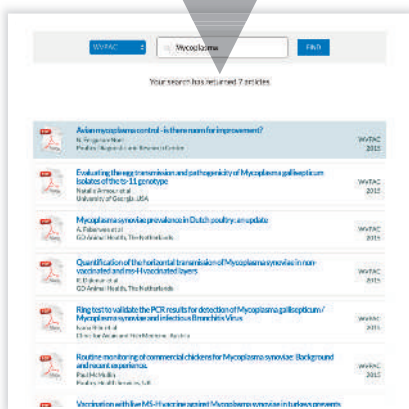
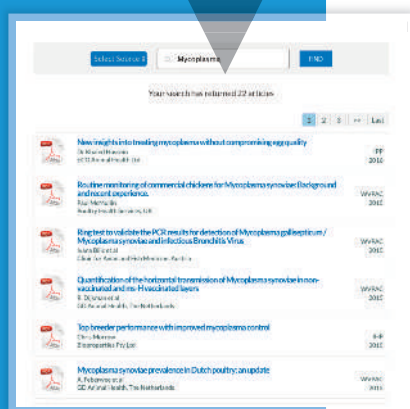
A



B



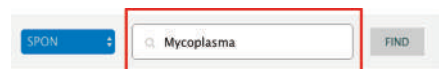
C



The library operates a keyword search which can be combined with a specific source to give more focused results. The two methods for searching are illustrated in columns B and C and are explained below.

B

A simple keyword search is performed by typing the required word in the search box and clicking on the Find button



In this instance we are searching for articles with the keyword Mycoplasma. The results for the search will appear below the search bar, as can be seen in column B.

C

To narrow your search you can use the drop menu to select a specific source.



Using the keyword Mycoplasma again, but this time selecting a single source, WVPA's Global Congress (WVPAC), we narrow the criteria and receive fewer results (7 compared to the keyword only search of 22).

The results are listed in their own individual boxes that contain the title of the article, the author and the company they are associated with. On the right the source and year of publication is shown.

To download a PDF of the article simply click on one of the boxed results and the download will begin.

The library page contains our copyright message, a list of sources for the articles in the library and our standard disclaimer text. Any of these can be viewed by clicking on the corresponding button as shown below.



Diary of meetings 2017/18

July 2017

17-20 – Poultry Science Association Annual Meeting
Orlando, Florida, USA
Website: www.poultryscience.org

21-25 – American Veterinary Medical Association and American Association of Avian Pathologists
Indianapolis, Indiana, USA
Website: www.avma.org

September 2017

3-8 – XX Congress of the World Veterinary Poultry Association
Edinburgh, Scotland
Website: www.wvpac2017.com

25-27 – National Meeting on Poultry Health, Processing and Live Production
Ocean City, Maryland, USA
Website: www.dpicicken.org/events

October 2017

3-5 – Poultry Africa
Kigali Convention Centre, Kigali, Rwanda
Website: www.poultryafrica2017.com

18-20 – Ildex Indonesia
Jakarta, Indonesia
Website: www.ildex-indonesia.com

20-21 – 8th International Conference on Health and Veterinary Medicine
Toronto, Canada
Website: www.worldanimalhealth.wordpress.com

November 2017

22-24 – Poultry India
Hyderabad, India
Website: www.poultryindia.co.in

January 2018

30-1 Feb – International Production & Processing Expo
Atlanta, Georgia, USA
Website: www.ippeexpo.org

March 2018

15-16 – BVPA Spring Meeting
Harrogate, UK
Website: www.bvpa.org.uk

April 2018

15-18 – 67th Western Poultry Disease Conference
Salt Lake City, Utah, USA
Website: www.conferences.ucdavis.edu

June 2018

20-22 – VIV Europe 2018
Utrecht, The Netherlands
Website: www.viveurope.nl

July 2018

11-12 – 2nd International Conference on Necrotic Enteritis in Poultry
Denver, Colorado, USA
Website: www.avma.org

13-17 – American Veterinary Medical Association & American Association of Avian Pathologists
Denver, Colorado, USA
Website: www.avma.org
www.aaap.info

September 2018

17-21 – European Poultry Conference
Dubrovnik, Croatia
Website: www.epc2018.com

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National contacts for WVPA

| Country | Contact | Email |
|----------------|------------------------------|-----------------------------------|
| Argentina | Dr Celina Buscaglia Barreda | celinabuscaglia@gmail.com |
| Australia | Dr Helen Crabb | crabbhk@gmail.com |
| Austria | Prof. Dr Michael Hess | michael.hess@vu-wien.ac.at |
| Bangladesh | Prof. Dr Rafiqul Islam | mrislam_bau@yahoo.com |
| Belgium | Monita Vereecken | monita.vereecken@huvepharma.com |
| Canada | Dr Teresa Cereno | teresa.cereno@inspection.gc.ca |
| China | Prof. Dr Cui Zizhong | zzcui@sdaue.edu.cn |
| Croatia | Dr Zeljko Gottstein | gottstei@vef.hr |
| Czech Republic | Dr Karel Kovarik | karel.kovarik@agroweb.cz |
| Denmark | Dr Søren Astrup | sa@poultryvet.com |
| Egypt | Prof. Dr Youssef Ibrahim | dryoussef.ibrahim@yahoo.com |
| France | Dr Nicolas Eterradosi | nicolas.etterradosi@anses.fr |
| Germany | Prof. Dr Hafez M. Hafez | hafez.mohamed@vetmed.fu-berlin.de |
| Greece | Dr Ioanna Georgopoulou | ioannag@vet.auth.gr |
| Hungary | Dr László Körösi | korosidr@gmail.com |
| India | Dr Barman Bichitra | dr.barman@gmail.com |
| Iran | Dr Mehdi Mirsalimi | mehdi.mirsalimi@golbid.com |
| Iraq | Dr Yasser Jamal Jameel | yasser_veterinary@yahoo.com |
| Israel | Dr Rachel Bock | ruzenka100935@gmail.com |
| Italy | Dr Mattia Cecchinato | mattia.cecchinato@unipd.it |
| Japan | Prof. Dr Koichi Otsuki | k3666@cc.kyoto-su.ac.jp |
| Jordan | Prof. Dr Mohammad Al-Natour | mqaalnatour@yahoo.com |
| Kenya | Dr Simon Alubbe | simonalubbe@gmail.com |
| Libya | Dr Soleman Al-Garib | algaribnl@yahoo.com |
| Macedonia | Prof. Dr Aleksandar Dodovski | adodovski@fvm.ukim.edu.mk |
| Malaysia | Dr Rahmat Sheriff | rahmatflfam@gmail.com |
| Mexico | Luis Arturo Suazo | aneca@prodigy.net.mx |
| Morocco | Dr Mohamed Mouahid | mohamedmouahid@gmail.com |
| Netherlands | Wouter Steenhuisen | wouter@poultryconsult.com |
| Nigeria | Dr Jones Okoye | czarjones2002@gmail.com |
| Pakistan | Dr Muhammad Kashif Saleemi | drkashif313@yahoo.com |
| Philippines | Dr Rolando Valientes | rolando.valientes@dsm.com |
| Poland | Dr Kamila Bobrek | kamila.bobrek@up.wroc.pl |
| Russia | Dr Victor Irza | irza@arriah.ru |
| Serbia | Dr Radmila Resanovic | radar@vet.bg.ac.rs |
| Slovakia | Dr Jozef Kalus | jkalus@nexta.sk |
| Slovenia | Dr Uros Krapez | uros.krapez@vf.uni-lj.si |
| South Africa | Dr SPR Bisschop | shahn@avimmune.co.za |
| South Korea | Dr JaeSung Heo | jaesung.heo@bayer.com |
| Sweden | Dr Helena Eriksson | helena.eriksson@sva.se |
| Switzerland | Dr Richard Hoop | rhop@vetbakt.uzh.ch |
| Thailand | Dr Sumeth Sapchukun | sumeth.sapchukun@huvepharma.com |
| Tunisia | Dr Abdeljelil Ghram | abdeljelil.ghram@pasteur.rns.tn |
| Turkey | Prof. Mehmet Akan | akan@ankara.edu.tr |
| UK | Philip Hammond | phammond@crowshall.co.uk |
| USA | Dr Suzanne Dougherty | aaap@aaap.info |

For countries not listed above contact should be made with the secretary of the WVPA at:

francois-xavier.le-gros@merial.com

Your officers



PRESIDENT
Nigel Horrox

UK
neh@northernhygiene.co.uk



VICE PRESIDENT

Aini Ideris
Malaysia
aaini@upm.my



VICE PRESIDENT

Nicolas Eterradosi
France
nicolas.etterradosi@anses.fr



SECRETARY - TREASURER
Francois-Xavier Le Gros

France
francois-xavier.le-gros@merial.com