

From: American Association of Veterinary Laboratory Diagnosticians
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E-Newsletter

June 2018

AAVLD President's Message



Diagnostics, Discovery, Dialog.

In the hubbub that surrounds the post floor during a busy afternoon, veterinary pathologists, residents, veterinary technicians and students work diligently performing post-mortem Diagnostics to determine causes of illnesses to help companion animal & livestock owners, and state & federal agencies throughout North America. Integral to the diagnoses are the histologists who prepare and stain thousands upon thousands of slides which hold clues to solving the medical mysteries at hand. During the course of those investigations, the pathologists and other veterinary diagnosticians frequently Discover new aspects, or unique manifestations, of diseases which they share with colleagues, so that our collective knowledge continues to grow. Dialog which begins on the post floor between mentor and students, and colleague to colleague continues to spread those findings through communications with colleagues at other laboratories and institutions. One of the greatest contributions of the AAVLD to science and our profession is to serve as a platform for disseminating discoveries and facilitating dialog among those working in the field of veterinary diagnostics. Through the Journal of Veterinary Diagnostic Investigation, discussion groups, this newsletter, and the annual meeting, the AAVLD serves to expand knowledge and promote our profession. Registration will soon open for the Annual Meeting in Kansas City in October. Each year this meeting is the greatest opportunity we have to work with our colleagues in committees and scientific sessions helping to set the course of our specialties, expand and refine Diagnostics, share our Discoveries and contribute to the Dialogs which advance our profession and make it energetic & exciting!

Steve Hooser
AAVLD President

CALL FOR DIAGNOSTIC PATHOLOGY SLIDE SEMINAR CASES

*ANNOUNCEMENT AND CALL FOR DIAGNOSTIC PATHOLOGY SLIDE SEMINAR CASES
AAVLD Annual Meeting-- Diagnostic Pathology Slide Seminar Saturday, October 20, 2018, Kansas City,
Missouri*

Anatomic and clinical pathologists are invited to submit cases for the Diagnostic Pathology Slide Seminar at the 2018 AAVLD meeting. Necropsy, surgical pathology, or cytology cases that present a diagnostic challenge, represent an emerging disease, or exemplify a classic condition are solicited.

For the full announcement, click -- [here](#)



**Dr. Monique Eloit - Director General
World Organisation for Animal Health (OIE)
To Offer Feature Presentation At Annual Meeting**

***Saturday, October 20th
5:00 PM***

Dr. Monique Eloit is currently serving as the 7th Director General of the World Organisation for Animal Health (OIE). She was elected in 2016, becoming the first woman to hold this position. She previously served as Deputy Director General of the OIE.

Dr. Eloit's veterinary experiences have included animal diseases such as infectious bovine rhinotracheitis, rabies, avian influenza, foot and mouth disease, and bluetongue disease. She has held leadership roles overseeing food quality, food safety, and veterinary and plant health actions.

Here is a link to Dr. Eloit's biography: <http://www.oie.int/about-us/director-general-office/biography/>

Here is a link to the World Organisation for Animal Health (OIE): <http://www.oie.int/>



JVDI in Focus

The goal of JVDI in Focus is to bring attention to an interesting article appearing in a recent issue of the
Journal of Veterinary Diagnostic Investigation.

This month's focus is on an article in the upcoming July issue: "*Adenoviral hemorrhagic disease in California mule deer, 1990-2014*" by Leslie W. Woods, Brant A. Schumaker, Patricia A. Pesavento, Beate M. Crossley, and Pamela K. Swift.

J Vet Diagn Invest 2018;30(4)

Abstract

We reviewed case records from the California Animal Health and Food Safety (CAHFS) laboratory and the California Department of Fish and Wildlife (CDFW) spanning 25 years (1990-2014) for all

deer accessions submitted to CAHFS for pathology and/or histopathology, with and without a diagnosis of adenoviral hemorrhagic disease (AHD), in order to determine the prevalence of AHD in California. We also examined spatial and temporal distribution, age, and mule deer subspecies in deer that died from AHD. Of 483 deer submitted to CAHFS for diagnostic testing in 1990-2014, 17.2% were diagnosed with confirmed AHD, and 26.5% were confirmed plus suspected cases of AHD. Columbian black-tailed deer (*Odocoileus hemionus columbianus*), particularly fawns and juveniles, were most frequently affected. Deer adenovirus (*Odocoileus* adenovirus 1; OdAdV-1) was detected by immunohistochemistry in archived CDFW formalin-fixed, paraffin-embedded tissues from deer that died in mortality events in 1981, 1983, and 1986-1987. OdAdV-1 is a common cause of hemorrhagic disease mortality events in California deer, and mortality as a result of AHD is documented as early as 1981.

SHIC Drives Improved Readiness for Emerging Disease in US Pork Industry with PCR Catalog

When porcine epidemic diarrhea virus (PEDv) hit the US in 2013, we could not effectively test for it. The North American pork industry learned a lesson and did something about it. Diagnostic preparedness and readiness for possible new or emerging production diseases has been a focus of the Swine Health Information Center (SHIC) since its 2015 inception. The recent publication of the Polymerase Chain Reaction (PCR) Assay Catalog for diagnostic laboratories demonstrates how far the pork industry has advanced in ability to test for emerging diseases.

Early detection is critical to early response. The catalog provides diagnosticians at our veterinary diagnostic labs, who are working every day with swine health case submissions, pertinent information about the 17 new PCR tests developed, including contact information of the experts for questions about availability and use. Additionally, the catalog summarizes the research behind the test development and covers technical background information including sample types and analytical and diagnostic sensitivity and specificity.

PCR Assay Catalog Content

1. Porcine Cytomegalovirus Real-Time PCR Validation for Diagnostic Use
2. Development of Rapid Diagnostic Capability for Encephalomyocarditis Virus
3. Detection and Differentiation of Influenza Types A, B, C, and D in Swine
4. Multiplex Real-Time RT-PCR Assay for Simultaneous Detection and Differentiation of Influenza C, D, and B Viruses
5. Implementation of real-time RT-PCR to Detect Porcine Hepatitis E
6. Development and Validation of a Real-Time PCR to Detect Porcine Torovirus (PToV)
7. Swine Disease Matrix Antigen Detection Research Pathogen #1: Nipah Virus
8. Development of a TaqMan Quantitative RT-PCR test for Porcine Parainfluenza Virus 1
9. Development of a Sensitive and Reliable Diagnostic Assay to Detect Atypical Porcine Pestivirus in Swine
10. Detection and Differentiation of Porcine Corona Virus (PCV)3 from PCV2a, PCV2b, and the Highly Prevalent PCV2d Mutant Strains
11. Development of PCR-Based Diagnostic Assays for Japanese Encephalitis Virus Infection in Pigs
12. Development of a Dry Room Temperature-Stable Real-Time RT-PCR Assay for the Detection of Porcine Hemagglutinating Encephalomyelitis Virus
13. Validation of a Real-Time Reverse Transcription PCR Assay for Detection of Porcine Sapelovirus
14. Validation of a Real-Time Reverse Transcription PCR Assay for Detection of Porcine Teschovirus
15. Development and Evaluation of a Real-Time RT-PCR and a Field-Deployable RT-Insulated

- Isothermal PCR for the Detection of Seneca Valley Virus
16. Detection and Differentiation of Seneca Valley Virus from Foot-and-Mouth Disease Virus
 17. Validation of a Real-Time Reverse Transcription PCR Assay for Detection of Porcine Kobuvirus in Porcine Diagnostic Samples

The catalog is being sent to veterinary diagnostic labs and has been posted on the SHIC website to be readily available.

From evaluating risks via the [SHIC Swine Disease Matrix](#) and assessing our current diagnostic needs to be able to quickly identify these pathogens, to funding the development of tests, SHIC has led the pork industry to an additional level of readiness which puts the US industry on a different playing field than it was on prior to SHIC's inception.

Funded by America's pork producers to protect and enhance the health of the US swine herd, the Swine Health Information Center focuses its efforts on prevention, preparedness, and response. As a conduit of information and research, SHIC encourages sharing of its publications and research for the benefit of swine health. Forward, reprint, and quote SHIC material freely. For more information, visit <http://www.swinehealth.org> or contact Dr. Paul Sundberg at psundberg@swinehealth.org.

20th Annual ISVD Meeting

Join with the European Congress of the ESVP / ECVP, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

September 6, 2018

For more information click ,,,,,, [here](#)

Mark Your Calendars !

Annual Meeting Dates:

Kansas City, MO - Oct. 18 - 24, 2018

Providence, RI - Oct. 24 - 30, 2019

Nashville, TN - Oct. 15 - 21, 2020

REMEMBER: Current AAVLD membership is required to receive the meeting registration discount. If you have not joined for 2018, please click on the following link

[AAVLD Membership](#)

If you are unsure of your membership status, please email Reda at rozuna@aavld.org or Jim at jkistler@aavld.org



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