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**Davis-Thompson
Foundation**

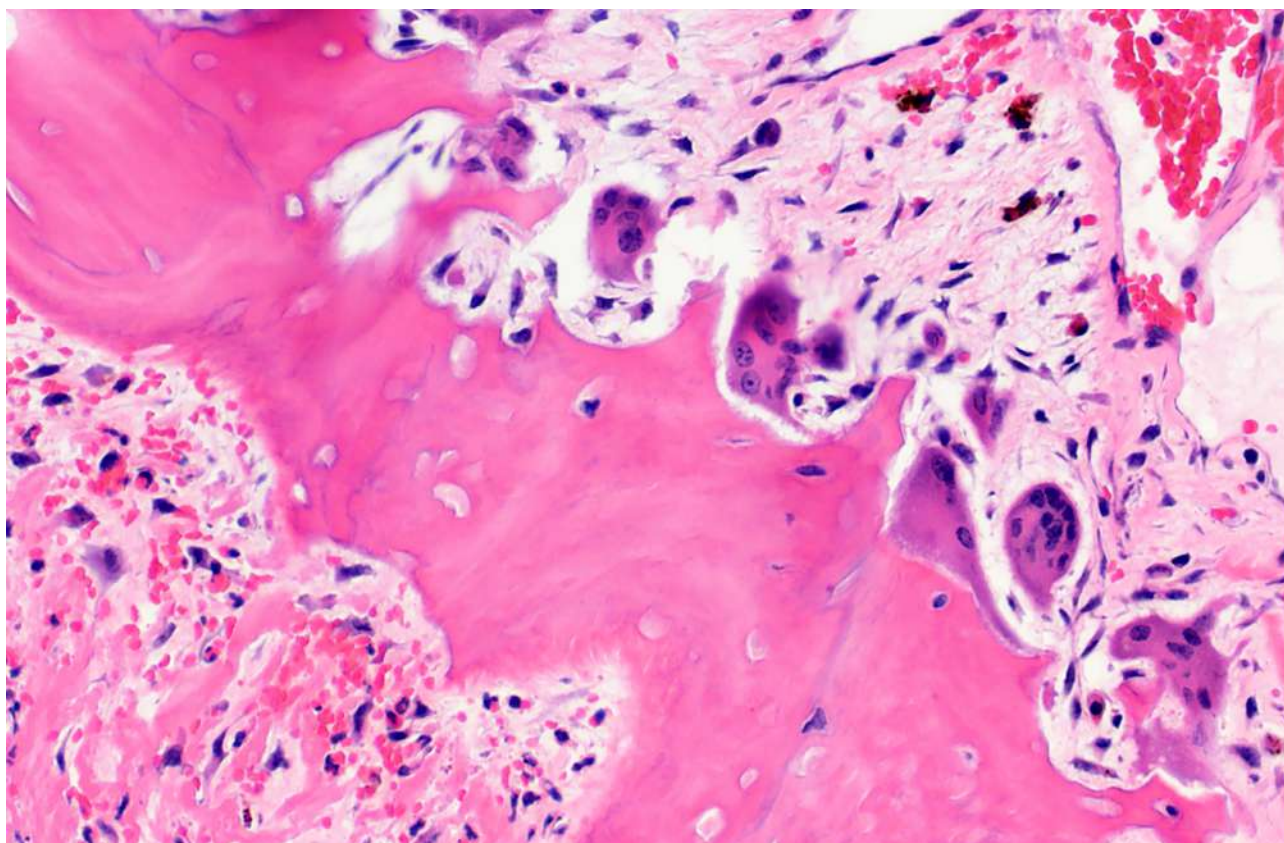
**C.L. DAVIS/S.W. THOMPSON
DVM FOUNDATION**

A tax-exempt, donative,
publicly-supported charity
For the advancement of veterinary
and comparative pathology

THE DAVIS-THOMPSON FOUNDATION NEWSLETTER

September 2022

VOL. 52



INSIDE THIS ISSUE

Monthly cover photograph winner: Julie Engiles and Susan Bender

Institution: Pennsylvania Animal Diagnostic Laboratory System (PADLS), New Bolton Center, University of Pennsylvania, Kennett Square, PA

5-month-old Thoroughbred filly euthanized for chronic septic osteomyelitis of the distal phalanx (P3) with sequestra and pathologic fracture. Armies of multinucleate osteoclasts associated with resorption lacunae align along edges of subchondral necrotic bone fragments located at the articular-epiphyseal complex.

Although more severe suppurative inflammation was identified within other sections, neutrophils are within the endosteal stroma of this site, occasionally interspersed at the interface between osteoclasts and bone matrix

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MESSAGE FROM THE CEO

Dear colleagues

As the summer in the northern hemisphere comes to an end and the spring is about to start in the south, we are presenting you with yet another fantastic issue of the Davis-Thompson Foundation Newsletter. As always, the managing editors Jeann Leal and Javier Asin deserve our heart-felt thanks for their wonderful job in compiling this newsletter.

In this issue you will find, as usual, lots of important information about the activities of your Foundation and more. Although most of the articles are in English, some notes are in Spanish or Portuguese; I hope, however that, as I have said before, if you speak “pathology” you will not have much trouble understanding the meaning of most of them. In particular, have a look at the outstanding “Archivo Veterinario del Este”, a compilation of interesting cases prepared by Dr. Fernando Dutra in Uruguay; the images are superb!

Last but not least, we are very sad to share with you news of the passing of Dr Severo Barros, a legend of Latin American pathology, who left an indelible mark on countless pathologists throughout the world.

Please take a moment to peruse these pages and consider registering for one or more of the awesome training opportunities that the Foundation has to offer.

Until next month

Francisco (Paco) Uzal
Chief Executive Officer
Davis-Thompson Foundation



OBITUARY OF DR. SEVERO DE BARROS

Professor Severo Sales de Barros (1932-2022) passed away on August 24 after a long scientific career in his home country, Brazil. Professor Severo, as he liked being called, graduated as a Veterinarian at Rural Federal University of Rio de Janeiro, in 1954. He initially worked at Institute of Veterinary Research Desidério Finamor and did an internship at the Clinic Hospital of Veterinary Faculty, Federal University of Porto Alegre. In 1964 he joined the Veterinary School at Federal University of Santa Mara (UFSM), where he worked until his retirement in 1996. Immediately after his retirement, Prof. Severo was appointed Visiting Professor at Federal University of Pelotas (UFPe) where he worked until 2007. Prof. Severo was a pioneer in pathology teaching in the State of Rio Grande do Sul, where he was also dedicated to diagnostics and research. In 1980 he founded the Electron Microscopy Laboratory at the Department of Pathology of UFSM, and in 1996 he created a similar laboratory at the UFPe. Throughout his career he published a large number of scientific papers with special emphasis on ultrastructural pathology, particularly on diseases associated with toxic plants. He was especially interested in the area of soft tissue mineralization. At 90 years of age, shortly before his death, he was still active and published the paper “Poisoning by *Nierembergia veitchii*: Effects on vascular smooth muscle cells in the pathogenesis of enzootic calcinosis;” *Veterinary Pathology*, Vol 59, Issue 5, 2022, DOI [10.1177/03009858221098430](https://doi.org/10.1177/03009858221098430). In this paper, Prof. Severo reviewed his experience in the ultrastructural changes produced by calcinogenic plant intoxication. Professor Severo was an outstanding teacher and researcher who had an enormously positive and longlasting impact on countless pathologists in Brazil, Latin America and indeed, the rest of the world. He will be sorely missed and remembered fondly.

Dr Franklin Riet Correa

Visiting Professor

Postgraduate Program in Animal Science in the Tropics,
Federal University of Bahia, Brazil



JVDI IN FOCUS

Our September focus is an article in JVDI's July issue, **"Use of machine-learning algorithms to aid in the early detection of leptospirosis in dogs"** by Krystle L. Reagan, Shaofeng Deng, Junda Sheng, Jamie Sebastian, Zhe Wang, Sara N. Huebner, Louise A. Wenke, Sarah R. Michalak, Thomas Strohmer, Jane E. Sykes.

J Vet Diagn Invest 2022;34(4). <https://journals.sagepub.com/doi/pdf/10.1177/10406387221096781>

Abstract. Leptospirosis is a life-threatening, zoonotic disease with various clinical presentations, including renal injury, hepatic injury, pancreatitis, and pulmonary hemorrhage. With prompt recognition of the disease and treatment, 90% of infected dogs have a positive outcome. Therefore, rapid, early diagnosis of leptospirosis is crucial. Testing for *Leptospira*-specific serum antibodies using the microscopic agglutination test (MAT) lacks sensitivity early in the disease process, and diagnosis can take >2 wk because of the need to demonstrate a rise in titer. We applied machine-learning algorithms to clinical variables from the first day of hospitalization to create machine-learning prediction models (MLMs). The models incorporated patient signalment, clinicopathologic data (CBC, serum chemistry profile, and urinalysis = blood work [BW] model), with or without a MAT titer obtained at patient intake (=BW + MAT model).

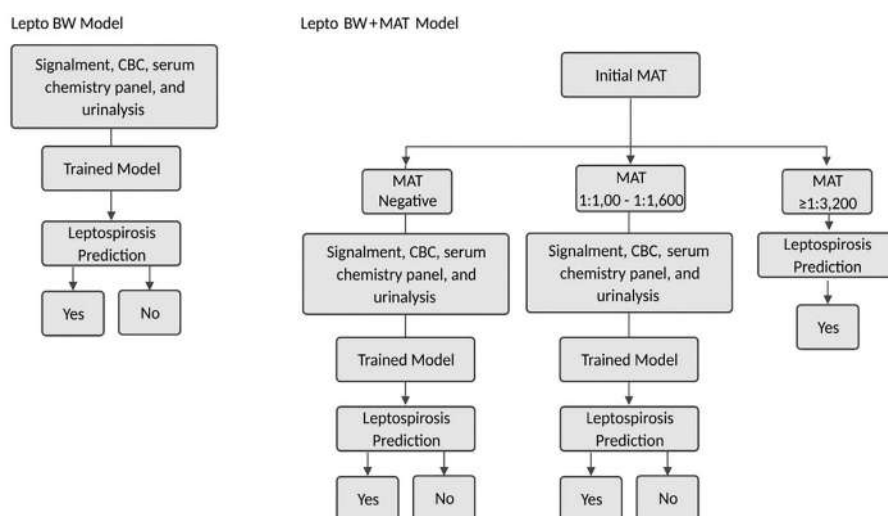


Figure 1. Overview of workflow for the 2 prediction models, blood work (BW) and BW + microscopic agglutination test (MAT).

JVDI IN FOCUS

The models were trained with data from 91 dogs with confirmed leptospirosis and 322 dogs without leptospirosis. Once trained, the models were tested with a cohort of dogs not included in the model training (9 leptospirosis-positive and 44 leptospirosis-negative dogs), and performance was assessed. Both models predicted leptospirosis in the test set with 100% sensitivity (95% CI: 70.1–100%). Specificity was 90.9% (95% CI: 78.8–96.4%) and 93.2% (95% CI: 81.8–97.7%) for the BW and BW + MAT models, respectively. Our MLMs outperformed traditional acute serologic screening and can provide accurate early screening for the probable diagnosis of leptospirosis in dogs.

Let's stay connected!

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SEMINAR REVIEWS

PATHOLOGY OF SMALL RUMINANTS (SELECTED)

9 JULY 2022



Participants' reviews

Super useful, very clear, well-paced and structured, and some truly lovely images to illustrate the talk used throughout. Thank you!

The webinar was really informative and with lots of gross and histo images given in a systematic approach to each system in small ruminants. Much appreciable content. Thank you, Dr. Shane and Davis-Thompson Foundation

Great seminar with a lot of useful practical, pathological information.

I thought this webinar was excellent. Shane gave really good explanations of our "bread and butter" type diseases of small ruminants we missed out on hearing about in lectures. I think this webinar provides essential knowledge for any clinician who has a small ruminant case load, not just pathologists.



Dr. Shane Besier

SEMINAR REVIEWS



PATHOLOGY OF LABORATORY ANIMALS (POLA)

8-12 AUGUST 2022

Participants' reviews

Had a great day! Very interesting, entertaining, and well organized.

I loved the material and it was all presented in an easily digestible manner. The small quizzes were great!

Great course!
Thanks for everything!

Morning session was excellent and entertaining. Enjoyed the rat trivia and quiz at the end.

Excellent presentation and wonderful images for afternoon session.

The Foundation would like to thank all the brilliant speakers who dedicated many hours preparing and sharing their material with attendees.

This course would not be possible without you all!



Dr. Kim
(course organizer)



Dr. Bergin



Dr. Tillman



Dr. Wolf



Dr. Brice



Dr. Beck



Dr. Southard



Dr. Cregar



Dr. Corbin



Dr. Cudd



Dr. Thornton

SEMINAR REVIEWS



PATOLOGIA REPRODUTIVA DO CÃO E GATO

13 JULHO 2022

Resenhas dos participantes

O seminário foi excelente. Foi uma mais valia pelo facto de apresentar não somente a histopatologia mas também imunohistoquímica. Obrigada.

Achei o seminário muito interessante, prático, apresentado com clareza e objetividade, e por ser na língua portuguesa facilita muito a compreensão de quem tem alguma dificuldade com o inglês.

Foi incrível! A professora tem uma didática impecável que faz o conteúdo parecer até mais fácil.

O seminário foi muito bom. didático e muito profissional. esclarecedor.



**Dra. Maria dos
Anjos Pires**



SEMINAR REVIEWS



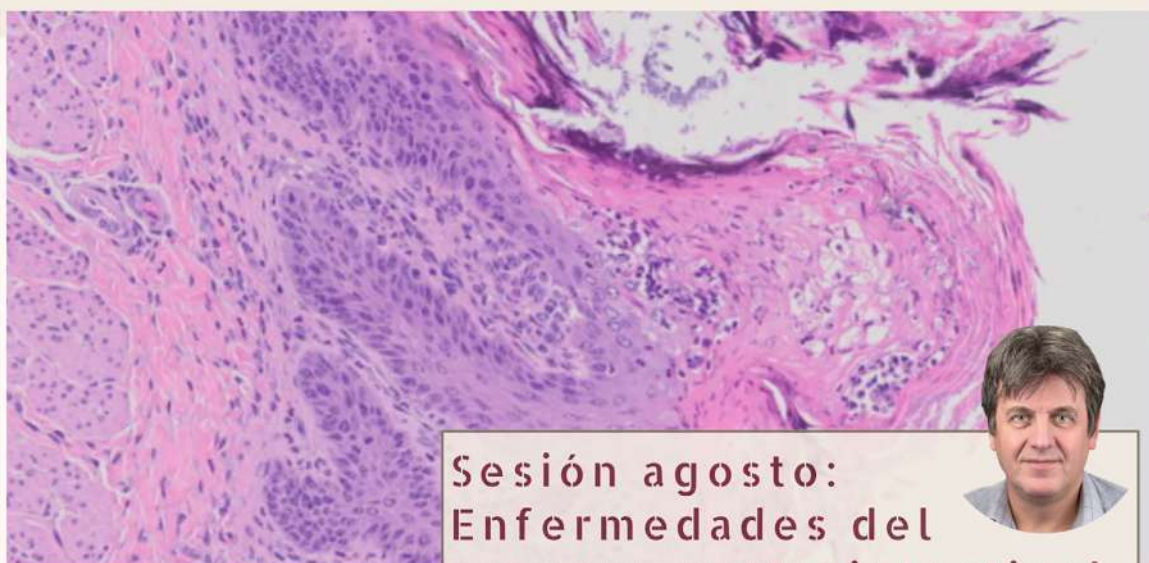
MENSUALES

SEMINARIOS DE HISTOPATOLOGÍA

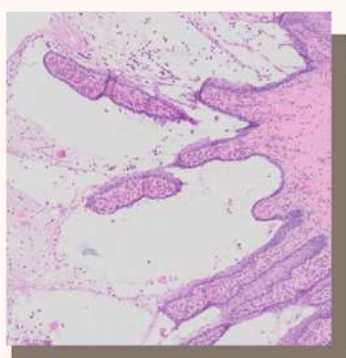
INTERACTIVOS



EN ESPAÑOL

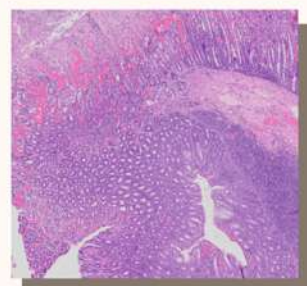


**Sesión agosto:
Enfermedades del
aparato gastrointestinal**



El 18 de agosto se llevó a cabo el primero de esta serie de seminarios virtuales, organizados por la División Latinoamericana de la Fundación. El doctor Francisco Uzal estuvo a cargo de la moderación de la sesión, donde se revisaron cuatro casos de diversas especies, los cuales habían sido compartidos de manera previa y en versión digital para su revisión.

El objetivo es promover la participación de los asistentes, tanto en la descripción microscópica y formulación de diagnósticos morfológicos como en la revisión de diagnósticos diferenciales. ¡No se olviden de participar en la próxima sesión!



SEMINAR REVIEWS

8th Meeting of the Uruguayan Subdivision of the Davis Thompson Foundation

On August 22-23, the 8th seminar of the Uruguayan subdivision of the Davis Thompson foundation took place in Montevideo, Uruguay. This meeting was organized by Dr Jose Manuel Verdes, with the support of the Faculty of Veterinary, Universidad de la Republica in Uruguay.

The first day was dedicated to the respiratory system, with lectures by Dr. Francisco Carvallo, From Virginia Tech, USA and a final histopathology seminar including important respiratory disease.

The second day was led by Dr. Claudio Barros, who shared his vast experience in bovine neuropathology and also finished his sessions with a histopathology seminar. In addition, veterinary pathologist from different regions of the country presented the findings of their research projects and diagnostic cases. More than thirty attendees, composed by veterinary pathologists and veterinary students enjoyed the sessions and also shared their personal experiences during the seminar.



"It was great to have the opportunity to go back to live sessions and learn from two good friends and experienced pathologists" mentioned Dr. José Manuel Verdes, Head of the Pathology Department at Universidad la Republica in Uruguay and organizer of this event.



SEMINAR REVIEWS



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DE CIENCIAS
VETERINARIAS

16th Argentinean Seminar of the Davis-Thompson Foundation and XI Forum on Teaching Veterinary Pathology

The 16th Argentinean Seminar of the Davis-Thompson Foundation and the XI Forum on Teaching Veterinary Pathology were held on August 24 and 25 at the Faculty of Veterinary Sciences of the National University of the Littoral, Esperanza, Santa Fe, Argentina. The Organizing Committee included Professors Ana María Canal, María del Rocío Marini, Amorina Sánchez, Matías Belotti, Sofía Sacco, Lucía Bagattín and an enthusiastic student, Josefina Bando. The conferences were held in a hybrid format (virtually and in person), and we had the great support of the Center for Technological Innovation, led by Carina Gramaglia. The Seminar and the Forum were attended by 90 professionals, including pathologists, veterinary practitioners, graduate students, researchers and 29 undergraduate students. Dr. Gabriel G. Senties-Cue, Resident Director of the Veterinary Diagnostic Laboratory at Texas A&M University, in Center, Texas, gave a presentation on "The Most Common pathologies in Commercial and Backyard Birds", highlighting macro and microscopic lesions of these conditions. On Wednesday afternoon, Dr Senties-Cue also coordinated a "Necropsy Workshop in birds", attended by 30 pathologists and avian practitioners. Dra. Carmen Fareeda Jerry, Assistant Professor of Avian medicine at the California Animal Health & Food Safety Lab System - Turlock Lab, UC Davis, presented virtually on "Hepatitis to inclusion bodies and Avian Influenza". Her presentation was translated by Dr Santiago Diab.

Dr. Mario Bedolla Alva, Professor of Veterinary Pathology in Veterinary Medicine and Animal Husbandry and head of the Center for Teaching and Diagnosis of Bovine Diseases, Universidad Autónoma de México, made a presentation on "Pathology of cattle diseases, with emphasis on gross lesions".

Dr. Martí Pumarola Battle, Professor of Animal Pathology at Universitat Autònoma de Barcelona, Spain, made a presentation on "Why, when and how to carry out a neuropathological study in veterinary medicine?"

The Forum on Teaching of Veterinary Pathology was attended by instructors on pathology from different public and private universities. Dr. Martí Pumarola Battle, proposed "alternative methods that reduce the use of animals in veterinary pathology courses", generating an interesting exchange on the experiences and innovations that can be used.

Dr. Santiago Diab, founder of Veterinary Diagnosis in the field (DIVEC) and pathologist of the Santa Rosa Laboratory, La Pampa, Argentina, presented on "Learning together, story after story" addressing the collaborative learning of pathology using different computer methodologies.

We thank Dr. Francisco Uzal, CEO of the Davis-Thompson Foundation, who collaborates with Argentine pathologists to organize these events of such importance in the training and learning of veterinary pathology.

SEMINAR REVIEWS



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VETERINARIAS



Workshop on poultry necropsy led by Dr Senties-Cue (on the right, performing a necropsy on a chicken)



Organizers and speakers of the 16th Argentinean Seminar of the Davis-Thompson Foundation and XI Forum on Teaching Veterinary Pathology. From left to right: Drs Rocío Marini, Gabriel Senties Cue, Mario Bedolla, Santiago Diab and Amorina Sánchez.



Dr Mario Bedolla presenting on diseases of cattle.



Audience listening with great interest the presentation of Dr Senties-Cue.



Audience listening virtual presentation of Dr Marti Pumarola



Audience listening the virtual presentation of Dr Marti Pumarola



DIAGNOSTIC EXERCISE



Case #: **194**; Month: **August**; Year: **2022**
Question Sheet

Contributors: Marta Mainenti, DVM, DACVP - mainenti@iastate.edu; Eric Burrough DVM, PhD, DACVP - ISU Veterinary Diagnostic Laboratory, Department of Veterinary Diagnostic and Production Animal Medicine, College of Veterinary Medicine, Iowa State University, 1850 Christensen Dr, Ames, IA, USA.

Clinical history: Sixty-day-old commercial pigs with coughing, thumping, and 2% mortality in the herd. The total number of pigs in the herd was not reported.

Macroscopic findings: Fresh samples of lung, liver, spleen, tonsil, and lymph node from 2 pigs were received. Both lung samples were mildly non-collapsing with multifocal small hemorrhages and the ventral aspects were pale tan and consolidated. One sample of lung had moderate amounts of fibrinous exudate on the pleura. The liver samples had a mildly corrugated appearance.

Microscopic findings:

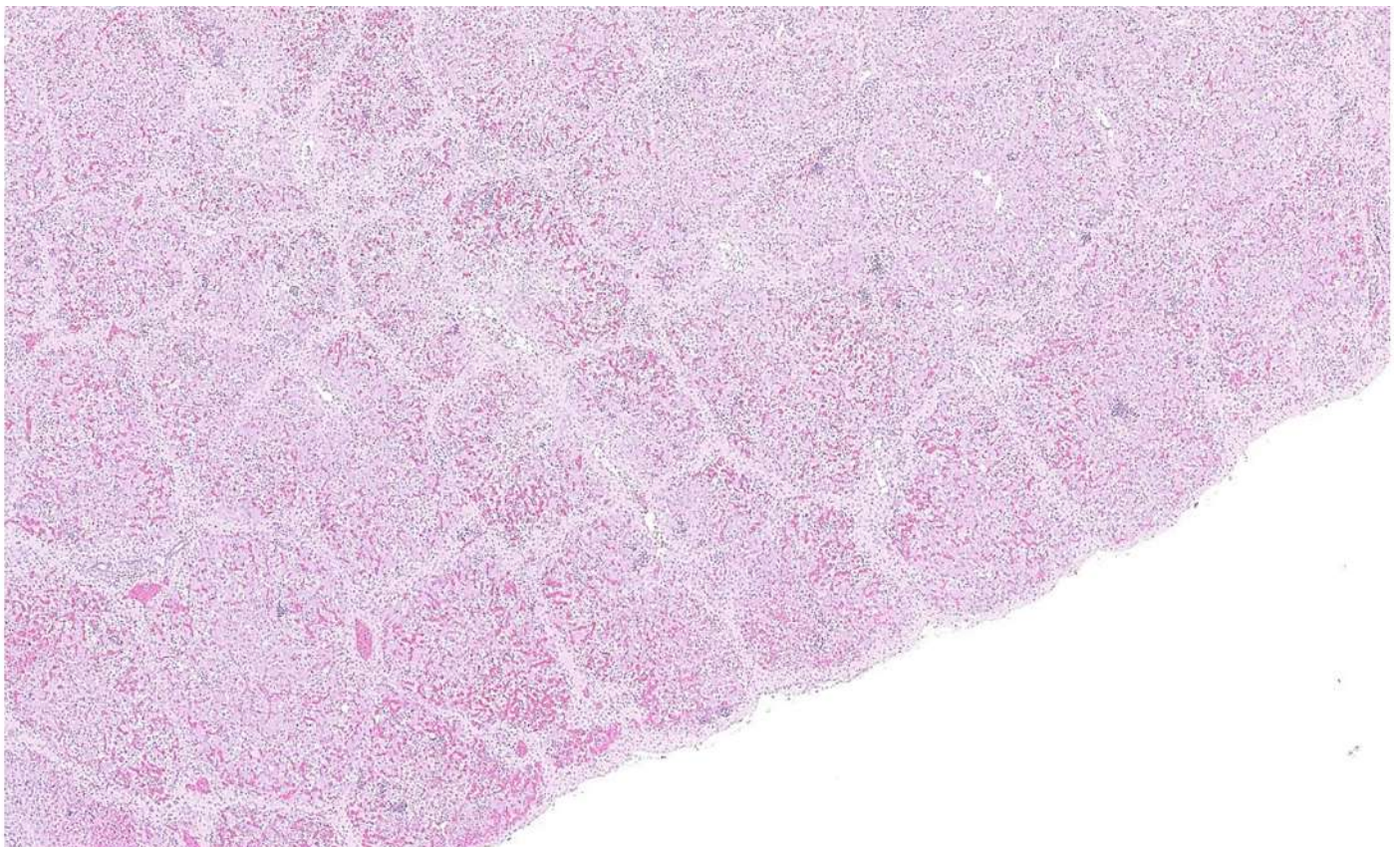


Figure 1: Liver. H&E, 40x.



DIAGNOSTIC EXERCISE

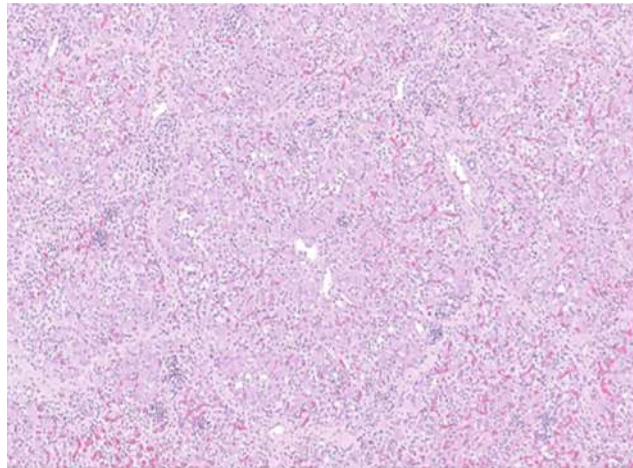


Figure 2: H&E, 100x.

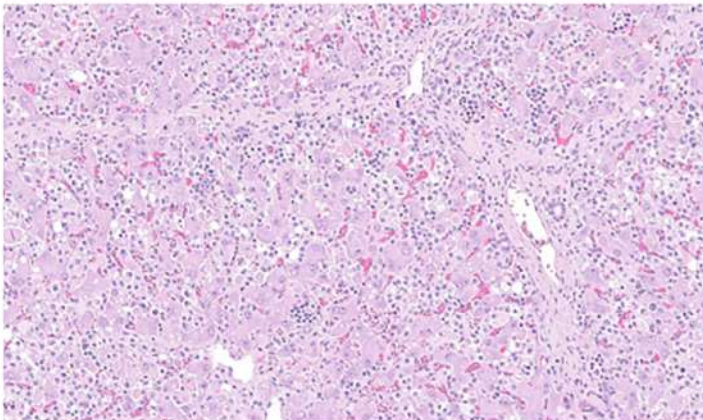


Figure 3: H&E, 200x.

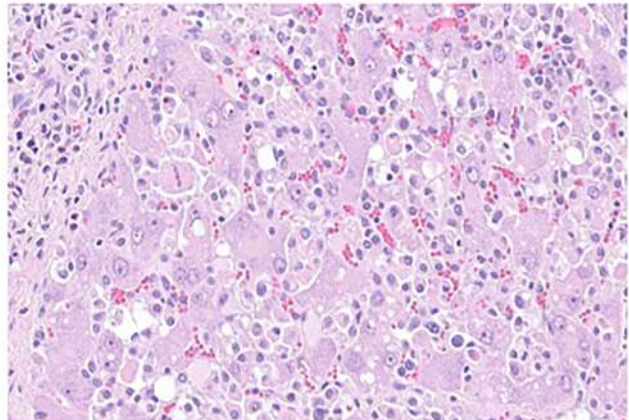


Figure 4: H&E, 400x.

Follow-up questions:

- *Histologic description;*
- *Morphologic diagnosis;*
- *Cause;*
- *Name the disease;*
- *Possible lesions in other organs*

*The Diagnostic Exercises are an initiative of the **Latin Comparative Pathology Group (LCPG)**, the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and members from any country of residence. Consider submitting an exercise final document containing this material with answers and a brief discussion will be posted on the CL Davis website (<https://davisthompsonfoundation.org/diagnostic-exercise/>).

Associate Editor for this Diagnostic Exercise: Ingeborg Langohr

[Click here for answers](#)

NON-HUMAN PRIMATE PATHOLOGY

2022 ANNUAL SYMPOSIUM DAVIS-THOMPSON FOUNDATION EUROPEAN DIVISION

Non-human Primate Pathology Workshop



ANNE LEWIS
DVM, PHD, DACVP

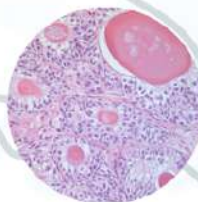


AMANDA BECK
DVM

5&6
Sept
2022



Athens, Greece
Sofitel, Athens Intl Airport



[Click here to register](#)

SEMINAR SERIES IN PORTUGUESE



MAIO
18

Plantas tóxicas para animais de produção no Brasil.

Fabio Mendonça
DVM, MSc, PhD



JULHO
13

Patologia reprodutiva do cão e gato.

Maria dos Anjos Pires
PhD, MSc, VMD



SET
14

Aborto por doenças infecciosas em animais de produção.

Caroline Argenta Pescador
DVM, MSc, PhD



NOV
9

Patologia de doenças micóticas.

Antônio Flávio Dantas
DVM, PhD

[Click here to register for individual seminars](#)

SEMINAR SERIES IN SPANISH



**AGOSTO
25**



**Citología de masas de piel
en perros y gatos**

Carolina Escobar
DVM, Esp. Pat. Clin. Vet.



**OCTUBRE
20**



**Hallazgos macroscópicos
en muertes violentas
en humanos**

Marcelo Uzal
M.D., MS

[Click here to register for individual seminars](#)

LCPG HISTOPATHOLOGY ROUNDS



RONDAS DE HISTOPATOLOGÍA
DEL LCPG



Davis-Thompson
Foundation

ENFERMEDADES DEL APARATO RESPIRATORIO

INTERACTIVO

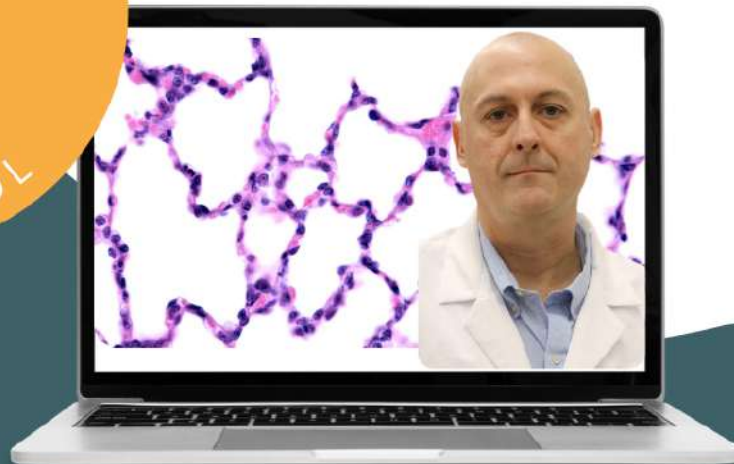


VIRTUAL

EN ESPAÑOL

Jueves 15 de Septiembre, 2022

10:30 AM - 11:30 AM CDT



Francisco Carvallo

MV, DSc, DACVP

[Click here to register](#)

AAZV ANNUAL ZOO & WILDLIFE PATH



AAZV 29TH ANNUAL
**ZOO & WILDLIFE PATHOLOGY
WORKSHOP 2022**

Sunday, Sept 18 | 8:00 AM- 5:00 PM CDT

**NEUROLOGIC DISEASE
IN WILDLIFE AND ZOO SPECIES**

PRESENTERS FROM AROUND THE WORLD
SHARE THEIR CASES + KEYNOTE SPEAKER:



Molly Church
MS, VMD, PhD, DACVP

 in person

8 hours
of CE

[Click here to register](#)

SOUTH CENTRAL MEETING



 Davis-Thompson Foundation

South Central Meeting

September 30 - October 1, 2022
Texas A&M University
Galveston, Texas

keynote speaker:

Pathology of Zoo and Wildlife Species

Elise LaDouceur
DVM, DACVP


HYBRID FORMAT!

[Click here to register](#)

AUSTRALIAN DTF WORKSHOP

**REGISTRATIONS
FOR THE JOINT
2022 ISACP/ASVP
PRE CONGRESS
VETERINARY
PATHOLOGY
WORKSHOP ARE
NOW OPEN**



When: October 11, 2022

Where: Melbourne Zoo, Victoria, Australia



**Davis-Thompson
Foundation**



**INTERNATIONAL SOCIETY FOR
ANIMAL CLINICAL PATHOLOGY**

ISACP/ASVP 2022 CONGRESS





2022

VETERINARY PATHOLOGY CONGRESS

**MELBOURNE ZOO,
PARKVILLE, VICTORIA,
AUSTRALIA**

**11 OCTOBER 2022
PRE-CONGRESS WORKSHOP**

**12-15 OCTOBER 2022
JOINT CONGRESS**

The ISACP and ASVP are pleased to announce the 2022 joint Veterinary Pathology Congress, to be held in person at Melbourne Zoo.

We have an exciting and varied program planned, an engaging pre-conference workshop, and high calibre international and national invited speakers. The program will be accessible to people at many levels of the profession and will have interest for oncologists, internal medicine specialists, and general practitioners looking to increase the depth of their knowledge of clinical pathology in particular. Enjoy the program and network with pathologists from across Australia and around the world in this beautiful iconic location in a truly world-class city.

We look forward to welcoming you as a delegate to the Congress.

REGISTRATIONS NOW OPEN!

CONFERENCE WEBSITE!!

INVITED NATIONAL SPEAKERS:

- DR LAURA BROCKLEY, ADVANCED VET CARE
- DR CLAIRE CANNON, VETERINARY REFERRAL HOSPITAL
- DR CHRISTINA CHENG, MELBOURNE ZOO
- DR EMMA CROSER, IDEXX
- DR NICHOLAS DOIDGE, MELBOURNE ZOO
- DR SUSAN JAENSCH, VETNOSTICS
- DR IAN JERRETT, DJPR VICTORIA
- DR IONA MAHER, IDEXX
- DR DARREN MERRETT, MELBOURNE VETERINARY SPECIALIST CENTRE

THE PROGRAM WILL ALSO INCLUDE MEMBER & STUDENT PRESENTATIONS, MYSTERY SLIDES, EXHIBITORS & MORE!

What's on offer?

- an outstanding scientific program
- a diversity of delegates
- a supportive environment for members, students and early career pathologists to present and learn from colleagues
- a one day pre-congress workshop with a focus on lymphoma
- a social tour & events
- networking with delegates over 5 days of the program
- a chance to catch up with your international colleagues
- earn CPD/MOC points

INVITED INTERNATIONAL SPEAKERS:



DR MADS KJELGAARD-HANSEN, DVM, PHD
 Heiner Sommer prize recipient
 Senior Scientific Advisor at Ascendis Pharma and an Affiliate Professor at the University of Copenhagen



PROFESSOR WILLIAM VERNAU, BSC, BVMS, DVSC, PHD, DIPLOMATE ACVP
 School of Veterinary Medicine, Pathology, Microbiology, Immunology
 UC Davis



PROFESSOR TRACY STOKOL, BVSC, PHD, DACVP (CLINICAL PATHOLOGY)
 Department of Population Medicine and Diagnostic Sciences
 College of Veterinary Medicine
 Cornell University



PROFESSOR ANN PROVENCHER, DVM, MSC, DACVP, DECVCP, FELLOW IATP
 Executive Director, Clinical Pathology, Global Preclinical Services
 Charles River Laboratories



REGISTRATIONS
NOW OPEN!

REGISTER HERE

Platinum Partner



Congress Partner

Gold Supporter



Veterinary Biomarkers, Inc.

Silver Supporter



Bronze Supporter

Workshop Supporter



Exhibition supporter








Conference website

AAVLD DISEASES OF THE NERVOUS SYSTEM



Davis-Thompson
Foundation



22ND DAVIS-THOMPSON FOUNDATION DIAGNOSTIC PATHOLOGY SYMPOSIUM

In conjunction with the 65th
AAVLD annual meeting

Diseases of the nervous system

REGISTER NOW!

7 Oct 2022

**8 AM
-
5 PM
CDT**



Hybrid format



Hyatt Regency Minneapolis



Raquel Rech
DVM, MS, PhD, DACVP



Kevin Woolard
DVM, PhD



Andrew Miller
DVM, DACVP

This seminar is preapproved by the ACVP maintenance of certification (MOC) Committee for 4 credits.
This event has been submitted, but is not yet approved for 8h of continuing education credits in jurisdictions which recognize RACE approval.

[Click here to register](#)

CHILEAN MEETING



II SIMPOSIO DE HISTOPATOLOGÍA PECES Y MOLUSCOS

21 / OCTUBRE / 2022

 **WEBINAR**

VALOR:

Nacional (Chile): \$10.000 CLP - Internacional: US\$15



Dra. Paola Barato, D.V.M., Ph.D., Especialista en Acuicultura
"Patología de las principales enfermedades infecciosas de la tilapia"



Dr. Carlos Sandoval, M.V., MSc.
"Patologías branquiales"



Dra. Karin Lohrmann, PhD.
"Patología de moluscos"



Dra. Victoria Jaramillo, D.M.V.
"Patologías renales en salmonideos"



CONTACTO: histopatologia@udalba.cl



Salmonexpert

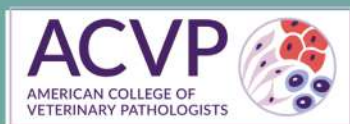
LATIN AMERICA ROAD SHOW



ACVP PRE-MEETING WORKSHOP



Davis-Thompson
Foundation



November 12, 2022
8:00am - 5:00pm EDT
The Westin Boston Seaport District
(previously known as Westin Boston Waterfront Hotel)
Boston, MA

ACVP Pre-Meeting Workshop Getting Into the Hard Stuff: Tumors of Bone, Cartilage, and Dental Tissue



Keren Dittmer, BVSc, PhD, DACVP

Rob Foster, BVSc, PhD, DACVP



Cindy Bell, DVM, DACVP

Registration coming soon
on the ACVP website

Material from volume 4 of
Surgical Pathology of
Tumors of Domestic Animals!

Registration informa-
tion coming soon on
ACVP website

BSTP CORNER

BRITISH SOCIETY OF TOXICOLOGICAL PATHOLOGY

Notice of Future Meetings - August 2022



The BSTP are happy for you to disseminate any of this information to colleagues within your group.

37th Annual Scientific Meeting of the BSTP & AGM – Digital Pathology and Mouse Pathology Workshop
Thursday 10th & Friday 11th November 2022
Harrogate, North Yorkshire, UK

Approved by the Royal Society of Biology for the purposes of CPD, this event may be counted as approximately 33 credits.
Approximately 11 hours of educational activity will be recorded on Attendance Certificates.

The Digital Pathology and a Mouse Pathology Workshop (in collaboration with Pathology Society of Great Britain) will be held on 10th and 11th November 2022 in Harrogate, UK. This conference will give you the opportunity to join a talented digital pathology community in person following a long absence of face-to-face gatherings. You will get direct access to international key opinion leaders, cutting-edge (or pre-event) workshops & discussions, Pharma/Biotech case studies, keynote lectures, and an innovating poster session. Digital pathology areas include nonclinical solutions for drug development, clinical learning-based diagnostic tools, digital image analysis solutions, quality management with regulatory compliance, digital peer review, digital primary slide reading, deep learning-based artificial intelligence concepts and much more.

The Mouse Pathology Workshop will aim to have a mix of talks to enable those in the early stages of their career to learn about pathology basics.

As for previous meetings, the Pathological Society of Great Britain & Ireland are offering free registration to six of their trainees and the BSTP will offer free registration to three of their trainees.

All ASM 2022 meeting attendees are encouraged to submit a poster on either digital pathology or mouse pathology. There is a prize for the best poster. All poster abstracts must be submitted by midnight on 14th October 2022 to Anna Whitelaw at events@hg3.co.uk

For more information on the bursaries, poster criteria and to register visit -
<http://www.bstp.org.uk/events/37th-annual-scientific-meeting-of-the-bstp/>

Virtual CES 7: Infectious Diseases of Laboratory Animals
Tuesday 14th – Thursday 23rd March 2023

This Continuing Education Symposium will cover an overview of the infectious diseases in laboratory animals in preclinical animal species.

Detailed information, including the programme and a registration form will be available towards the end of 2022.

If you would like further information, have any queries or would like to reserve a place, please contact the BSTP Secretariat – bstpsecretariat@gmail.com

or visit: <http://www.bstp.org.uk/events/ces-7-infectious-diseases-of-laboratory-animals/>

BSTP CORNER

Virtual CES 8: Nervous System

Tuesday 11th – Thursday 20th July 2023 **(New dates)**

This CES will cover the rodent and non-rodent nervous system; INHAND – neoplastic and non-neoplastic lesions of the central and peripheral nervous system, regulatory concerns, and workshops/case presentations.

Detailed information, including the programme and a registration form will be available in early 2023.

If you would like further information, have any queries or would like to reserve a place, please contact the BSTP Secretariat – bstpsecretariat@gmail.com

or visit: <http://www.bstp.org.uk/events/ces-8-nervous-system-via-zoom/>

Webinars

BSTP webinars - in collaboration with the Society of Toxicological Pathology (STP)

BSTP webinars - in collaboration with the ESTP/SFPT/BSTP and ECVP/ESVP

For information on any events organised by the BSTP, please contact the BSTP Secretariat - bstpsecretariat@gmail.com

or visit the website – <http://www.bstp.org.uk/bstp-events/>

or <http://www.bstp.org.uk/bstp-webinars/>

Future BSTP events are due to take place as follows:

10th & 11th November 2022

**37th Annual Scientific Meeting & AGM (IN PERSON)
Digital Pathology and Mouse Pathology Workshop**

14th – 23rd March 2023

Virtual CES 7 - Infectious diseases of laboratory animals

11th – 20th July 2023

Virtual CES 8 - Nervous System

November 2023	38th Annual Scientific Meeting & AGM
March 2024	CES 9 - Urinary System
July 2024	CES 10 - Digestive System
November 2024	39th Annual Scientific Meeting & AGM
March 2025	CES 11 - Cardiovascular System
July 2025	CES 12 - Endocrine System
November 2025	40th Annual Scientific Meeting & AGM
March 2026	CES 13 - Lymphoid & Haematopoietic Systems
July 2026	CES 14 - Musculoskeletal System & Skin
November 2026	41st Annual Scientific Meeting & AGM

The order of the CES will depend on the availability of high-quality speakers who are world experts in their particular field to present at the relevant meeting. Details of future meetings are correct at the time this booklet is generated, the BSTP will not be held responsible for any changes to dates, topics and venues of these meetings.

IDEXX CASECONNEX CORNER

Signalment: 4 -year-old, female, Flemish Giant rabbit

Source/ History: Spayed and found a mass in the right uterine horn

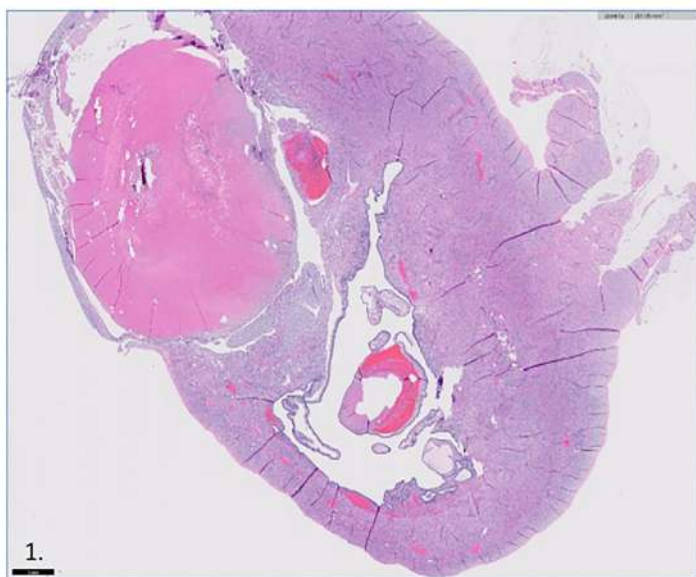


Figure 1. (1X magnification, H&E stain) Multifocally, the endometrium and myometrium are expanded by variably dilated vessels that project into the uterine lumen.

Histopathologic Description:

Multifocally, blood vessels in the endometrium and myometrium are variably dilated and project into the uterine lumen. Vessels (veins) are lined by flattened endothelium and filled with erythrocytes, admixed with laminated fibrin, heterophils, a few reactive fibroblasts and karyorrhectic debris (thrombi). The thrombi are occasionally adhered to the wall of the vessel. In one region, an organizing thrombus that appears in the myometrium has multifocal areas of mineralization and mild numbers of hemosiderin-laden macrophages along the periphery. The endometrium is mildly hyperplastic, expanded by multiple variably sized papillary projections with few mildly dilated/ectatic glands. The endometrium is predominately lined by a single layer of columnar, often ciliated epithelium. Within the lamina propria there is mild, multifocal increased clear space (edema), and small numbers of hemosiderin-laden macrophages.

Interpretation:

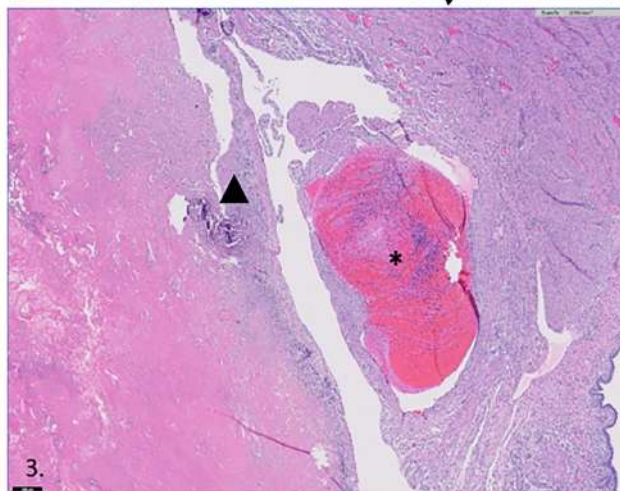
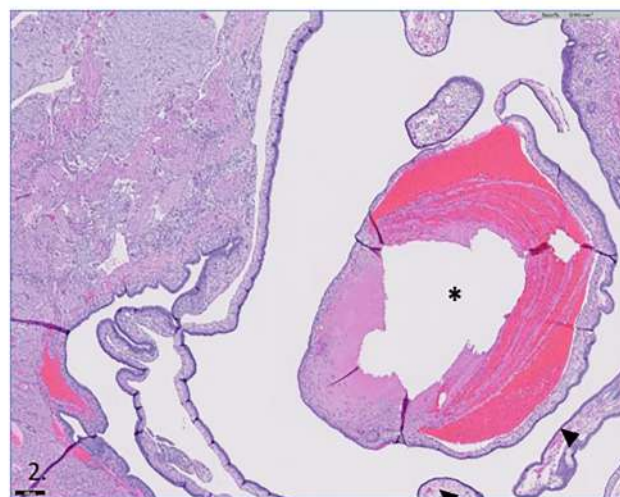
Right uterine horn:

- 1) Multifocal venous aneurysms with variably organizing thrombi
- 2) Mild, diffuse endometrial hyperplasia

Comments:

Histologic examination revealed multifocal aneurysms with organizing thrombi expanding the uterine horn. Most of the aneurysms in the examined sections are endometrial, though in one section some appear to be in the myometrium as well.

Endometrial venous aneurysms are benign lesions composed of expanded vascular spaces within the uterus. In rabbits, these are thought to be a congenital defect. Clinical signs commonly associated with endometrial venous aneurysms include urogenital bleeding, hematuria, anemia, and proteinuria. This lesion is typically observed in nonpregnant, multiparous does.



Figures 2 and 3. (5X magnification, H&E stain) Dilated vessels (veins) are filled with erythrocytes admixed with laminated fibrin, heterophils and karyorrhectic debris (thrombi; asterisks). In one of the thrombi, there are foci of mineralization (arrowhead).

References: Barthold SW, Griffey SM, Percy DH. *Pathology of Laboratory Rodents and Rabbits*. 4th ed. Ames, IA: Blackwell Publishing; 2016:310-311; Delaney MA, Treuting PM, Rothenburger JL. Lagomorpha. In: Terio KA, McAloose D, St. Leger J, eds. *Pathology of Wildlife and Zoo Animals*. San Diego, CA: Elsevier; 2018:486.

MISCELLANEOUS ANNOUNCEMENTS



Become a member of the Latin Comparative Pathology Group



LCPG:

- Provides Diagnostic Exercises
- Offers travel awards
- Coordinates externships in US labs for Latin Americans
- Organizes and lectures in Latin American seminars and courses

Membership Fees:

\$50 - Professionals in US, Canada, and Europe

\$30 - Professionals in Latin America

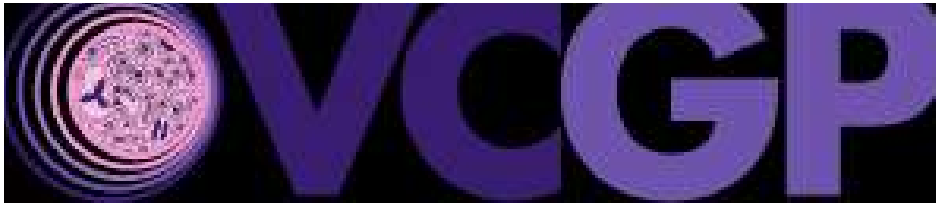
\$25 - Students in US, Canada, and Europe

\$15 - Students in Latine America

Use this link to join: <https://davisthompsonfoundation.regfox.com/lcpg-membership>

LCPG is the proud Latin American Division of the Davis Thompson Foundation

MISCELLANEOUS ANNOUNCEMENTS



www.vcgp.org is now live!



Davis-Thompson
Foundation

Eggxciting news!

**Enjoy a new video on
necropsy of the chicken,
graciously donated by
Dr. Roger Kelly.**

Video: <https://youtu.be/TrDm86UzWqA>

MISCELLANEOUS ANNOUNCEMENTS

EDITORIAL

Han pasado ya 13 años desde la publicación del primer número del Archivo Veterinario del Este. Nuevas enfermedades siguen apareciendo y poco a poco se hace más claro el patrón de comportamiento de la mayoría de los problemas sanitarios. El diagnóstico patológico es complejo y requiere de creatividad, rutina y décadas de actividad continua. DILAVE, el laboratorio oficial del MGAP, fue fundado en 1932 como Laboratorio de Biología Animal por el Dr. Miguel C Rubino (cumplimos 90 años). Actualmente acumula decenas de miles de registros sistemáticos, metódicos y lógicamente ordenados, con una base de datos capaz de proporcionar información útil al sector agropecuario. En este número seguimos con el objetivo de describir las nuevas enfermedades diagnosticadas el primer semestre y analizar aquellas de las que ya disponemos de información de interés regional.

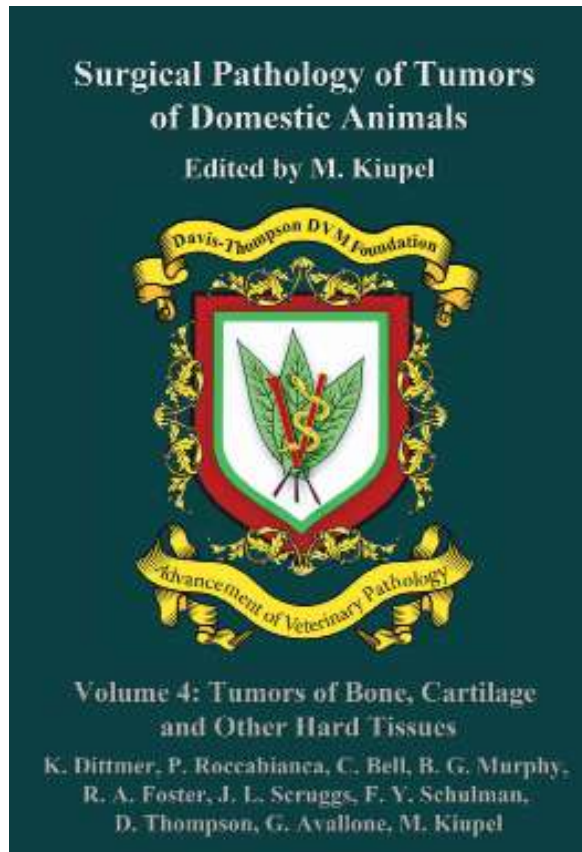


Dr. Fernando Dutra Quintela
Encargado del Laboratorio

Check Archivo
Veterinario del Este



MISCELLANEOUS ANNOUNCEMENTS



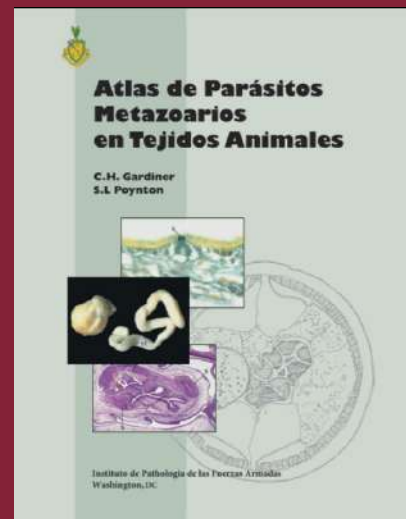
[CLICK HERE](#) to order your copy today!

RETIRING?

Have slides left over from your recent slide seminar? Just looking to free up some storage space? The Foundation is looking for additional glass slides, kodachromes and other similar materials for its Correspondence Division and Study Centers. All materials should be well identified with as much accompany history and discussion as possible, as these materials are expressly used for teaching. Moreover, as the Foundation is a publicly donative charity, all donated materials are tax-deductible. For more information, please contact Dr. Bruce Williams at bruce.h.williams.dvm@gmail.com.

Davis-Thompson Foundation Pathology Externship

Since 1980, the Davis-Thompson Foundation lab sites have hosted more than 125 veterinary students at 8 participating diagnostic laboratories. These students usually have a strong interest in pathology itself or zoo or poultry medicine that require a strong pathology background. The Foundation is always interested in having veterinary students apply for an externship and we would like to add more externship sites that do not usually have veterinary students, to help increase their interest and knowledge of pathology with some off-campus experience. For more information, contact Dr. Jim Britt, jobritt@sbcglobal.net; 501-912-1449.



Atlas De Parasitos Metazoarios En Tejidos Animales - Click Here to Get a Digital Download!



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SEPTEMBER 2022