

Managing Editors:
J. Leal, DVM, MSc, PhD
J. Asin, DVM, PhD

davisthompsonfoundation.org

Senior Editor:
F.A. Uzal, DVM, MSc, PhD



**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

May 2022

VOL. 52



INSIDE THIS ISSUE

Monthly cover photograph winner: Laura K. Bryan

Institution: Texas A&M University

Diagnosis: Mandibular molar teeth from a 6-year-old, female Yorkshire terrier with severe periodontitis, calculus formation, and resorption of the alveolar bone of multiple teeth that contributed to osteopenia and fracture of the mandible during a fall from the couch.

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MESSAGE FROM THE CEO

Dear colleagues

Welcome to the April issue of the Davis/Thompson Foundation Newsletter, prepared by our fantastic Managing Editors Jeann Leal and Javier Asin. Stephanie Shrader, who was a Managing Editor until last month, had to step down (we hope only temporarily!) from her role of editor for personal reasons. For many issues, Stephanie has done an outstanding job and we thank her from the bottom of our hearts.

Of prime importance in this month's issue, is the announcement by our President, Jey Koehler, about the Big 4 courses of the Foundation: General Pathology, Descriptive Veterinary Pathology, Current Literature and Image Interpretation (CLIIC; formerly the "Gross Course") and POLA. This year, they will be exclusively virtual. Please keep in mind that will be the last year using this modality, as we hope to go back to fully (and only) in person in 2023 and moving forward for the Big 4. We will continue, however, offering several other virtual training opportunities in the future.

A last minute announcement is the Latin-American Road Show, an initiative recently created by the Foundation, which will include two full days of lectures in four countries. This year, we were fortunate to engage Dr Alfonso Lopez Mayagoitia (UPEI, Canada), who will travelling in October to Uruguay, Argentina, Paraguay and Colombia to present in person his lectures on Respiratory Pathology of Domestic Animals. This is an enormous effort by the Foundation and our outstanding speaker, and will bring much needed training opportunities to the continent. The Road Show will be repeated annually in different countries. More information and registration instructions will be available very soon.

Last but not least, this issue comes, as always, loaded with an enormous amount of information on training opportunities all over the world and in a number of different languages.

Enjoy!

Francisco Uzal, DVM, FRVC, MSc, PhD, Dipl. ACVP
Chief Executive Officer
Davis-Thompson Foundation



MESSAGE FROM PRESIDENT JEY KOEHLER ON THE “BIG 4”

Hello Foundation friends and supporters:

Nobody needs to be reminded that this has been a weird couple of years. When we decided to offer a hybrid version of the Descriptive course at Auburn University, we knew it was experimental. Unfortunately, 5 weeks out we have zero registrations for in-person, likely for a lot of reasons including that airfares have gone sky high (groan) and availability is more limited. Many folks are still a little hesitant to travel, and we get that. So, we have some good news and some bad news.

The BAD news is that we have decided to pull the plug on hybrid and go back to virtual only. We say “bad” because the in-person experience is far superior in that it offers trainees a chance to get away from all of their work and home responsibilities and immerse themselves fully in their education and fellow trainees face-to-face and form lifelong connections. Humans are creatures, and virtual meetings are not great for helping us form real bonds with each other. People tend to delude themselves that they can multi-task as well as they can single-task, but science says this is a lie (<https://pubmed.ncbi.nlm.nih.gov/32206165/>) and for that reason the educational experience suffers when people try to wedge courses in amongst other things (so tempting with virtual).

The GOOD news is that because we won’t have the overhead of speaker travel/housing/meals/catering/room rental, we are rolling prices back to last year’s! You know we love you, this is YOUR Foundation, and if we don’t have those expenses, we certainly aren’t going to pass that added cost on to you. If you have already registered, you will be receiving a refund of the difference between what you paid and the reduced rate, and you should already have gotten an email from Bruce. For those who have yet to register, you can use the same link listed on the website but you will see only four options: member “live”, non-member “live”, member “rebroadcast”, and non-member “rebroadcast”.



Pro tip: ask your residency coordinator if your institution is a member! (most US vet schools are) Remember that rebroadcast is only the lectures, not any of the mock tests or breakout sessions.

Next year, provided things don’t get weird-er and airfares come back to reality, we will be going back to IN-PERSON ONLY for the Descriptive, CLIIC, and POLA courses because we strongly believe in the power and value of that experience. But never fear, we will be putting on in-person Descriptive courses in Europe and multiple places in Latin America (stay tuned for information!). So soak up the pajama-wearing virtual experience while you can, and we look forward to

Jey Koehler, DVM, PhD, Dipl. ACVP
President,
Davis-Thompson Foundation



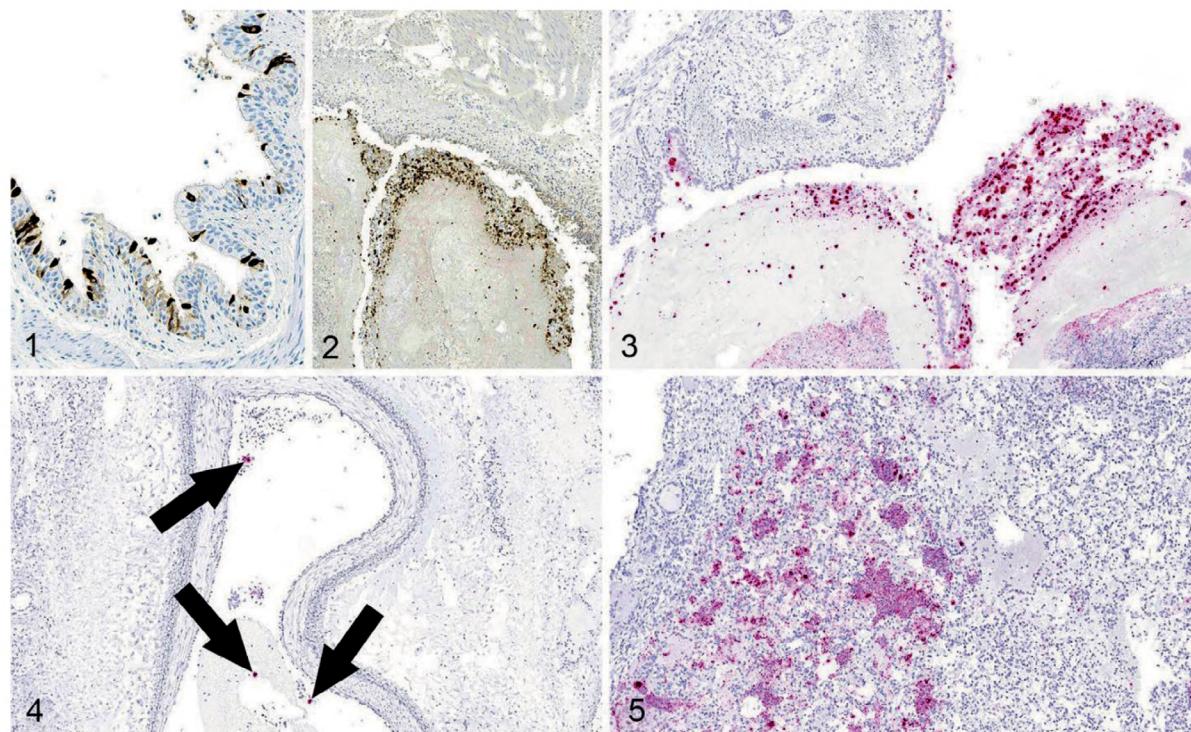
JVDI IN FOCUS

JVDI in Focus

Our April focus is an article in JVDI's upcoming May issue: "Bovine coronavirus in the lower respiratory tract of cattle with respiratory disease" by Michael C. Rahe, Drew R. Magstadt, Jennifer Groeltz-Thrush, Phillip C. Gauger, Jianqiang Zhang, Kent J. Schwartz, Christopher L. Siepker.

J Vet Diagn Invest 2022;34(3). <https://journals.sagepub.com/doi/full/10.1177/10406387221078583>

Abstract. Bovine coronavirus (BCoV) is a known cause of enteric disease in cattle; however, its role in bovine respiratory disease (BRD) is poorly understood, with a dearth of evidence of the detection of the virus in respiratory tract lesions. We coupled histologic evaluation of tracheal and lower airway tissues from 104 calves with BRD in which BCoV was detected in the lungs via PCR followed by direct detection of BCoV by immunohistochemistry and an RNA in situ hybridization assay (ISH; RNAscope technology). RNAscope ISH detected BCoV in respiratory epithelium in more cases than did IHC. Using both methods of direct detection, tracheal epithelial attenuation and identification of the virus within lesions were observed commonly. Our results confirm a role of BCoV in respiratory tract infection and pathology, and show that the virus likely plays a role in the development of BRD.



Figures 1–5. Bovine coronavirus (BCoV) in the lung of cattle with respiratory disease. **Figure 1.**

Multifocal, intracytoplasmic immunolabeling within bronchial epithelium. Immunohistochemistry (IHC). **Figures 2,**

JVDI IN FOCUS

- 3.** Detection of BCoV by IHC (Fig. 2) and in situ hybridization (ISH; Fig. 3) in sloughed epithelium within the lumens of bronchi. **Figure 4.** Intraluminal detection of BCoV nucleic acid (arrows) within cells in an artery. ISH. **Figure 5.** Strong ISH labeling of intra-alveolar cellular debris.

JVDI News

We encourage all authors to link your ORCID iD to your ScholarOne account using the following steps. **NOTE:** If your article is accepted, your ORCID iD will accompany your name in the published article only if your accounts are linked (otherwise, your name will appear *without* the ORCID icon, and your iD information will *not* be listed at the end of your article).

- 1) Log in to the JVDI submission site: <https://mc.manuscriptcentral.com/jvdi>
- 2) Click your name at the top-right corner of the page
- 3) In the drop-down menu select [Email/Name](#)
- 4) Under the ORCID section, you will find two links:

[Create an ORCID iD](#) and [Associate your existing ORCID iD](#)

—If you already have an ORCID ID, select “Associate your existing ORCID iD”

- 5) You will be directed to the ORCID site login page where you will need to log in using your ORCID account credentials

—If you have selected to create an account on the ORCID site, click “Register Now”

- 6) After logging in, you will be automatically redirected to the ScholarOne submission site where it will show a prompt with the following text:

[You can update this account with data from your ORCID iD record that is not marked as Private.](#)

[Name and e-mail fields will be imported to your account.](#)

[Note: this will overwrite existing data. Would you like to update your account now?](#)

- 7) To complete the process, click [OK](#) to UPDATE the journal’s ScholarOne Manuscripts site. Click Cancel to return to ScholarOne Manuscripts without updating the data.
- 8) Proceed to the User ID & Password step and click [Finish](#) to be sure that your account information is properly saved.

SEMINAR REVIEWS

Introduction to fish pathology

Dr. Eileen Henderson

"Excellent introduction to fish pathology with focus on aquarium species."

"Excellent and relevant information, with high quality images. Well spoken, easy to understand information."

SEMINAR REVIEWS

2022 NORTHEASTERN VETERINARY PATHOLOGY CONFERENCE NEUROPATHOLOGY

24-25 MARCH 2022



Participants' reviews

This was great! Great mix of classic cases and cool mysteries and I actually learned things from the 2 lectures that I found myself already able to apply during the case discussions.



Dr. Sarah Cudd

Conference
organizer & moderator

It was a great conference, and Dr. Cudd made great work organizing and helping all the presenters.

Very great.

Case presentations were of good length and variety.

Keynote speakers



Dr. Jey Koehler



Dr. Andrew Miller

Very good - the 2 keynote speakers were excellent as expected. The info provided before the conference was helpful.



DIAGNOSTIC EXERCISE



Diagnostic Exercise

From The Davis-Thompson Foundation*

Case #:186; Month: April; Year: 2022

Question Sheet

Contributors: Bianca S. de Cecco, DVM, MSc, Francíeli A. Molossi, DVM, MSc, Lauren S. de Mello, DVM, MSc, Matheus V. Bianchi, DVM, MSc, PhD, Saulo P. Pavarini, DVM, MSc, PhD. Setor de Patologia Veterinária, Faculdade de Medicina Veterinária, Universidade Federal do Rio Grande do Sul (UFRGS), Porto Alegre, RS, Brazil. Corresponding author: Universidade Federal do Rio Grande do Sul. biasantanacecco@gmail.com

Clinical History: A one-year-old female Texel sheep had a one-day history of anorexia and jaundice that progressed to lethargy, lateral recumbency, and death within hours. The sheep was part of a 20 sheep flock, housed indoors, and was receiving an increasing amount of feed, high in grains (specific for sheep) for the last two months, as it was being prepared for a national fair.

Gross Findings: The sheep was in very good body condition. The carcass was discolored by marked icterus. In the subcutaneous tissue, there were multifocal petechiae and ecchymoses. The kidneys were diffusely red brown. The urinary bladder was distended and filled with dark red to black urine. The liver was slightly soft (friable) and swollen, with a deep orange color. The gallbladder was distended and filled with dark grumous bile.

Gross and Histological Images:



DIAGNOSTIC EXERCISE



Figure 1

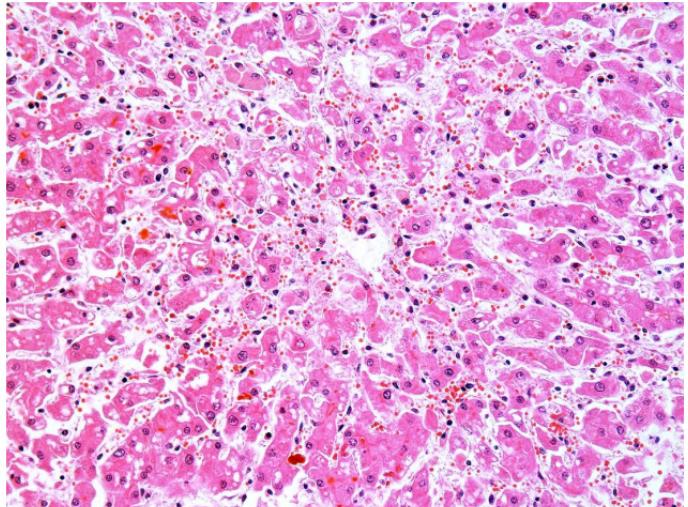


Figure 3

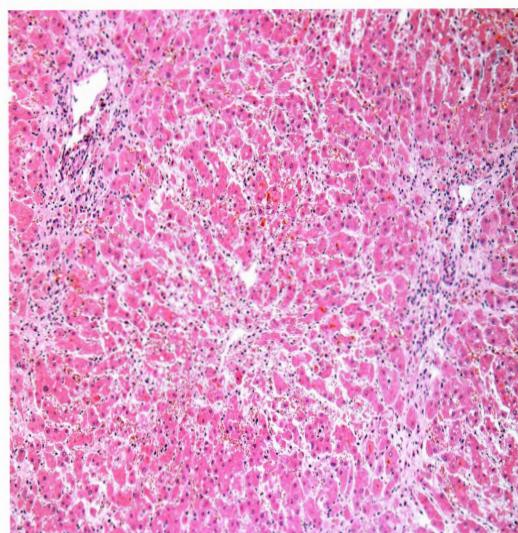


Figure 2

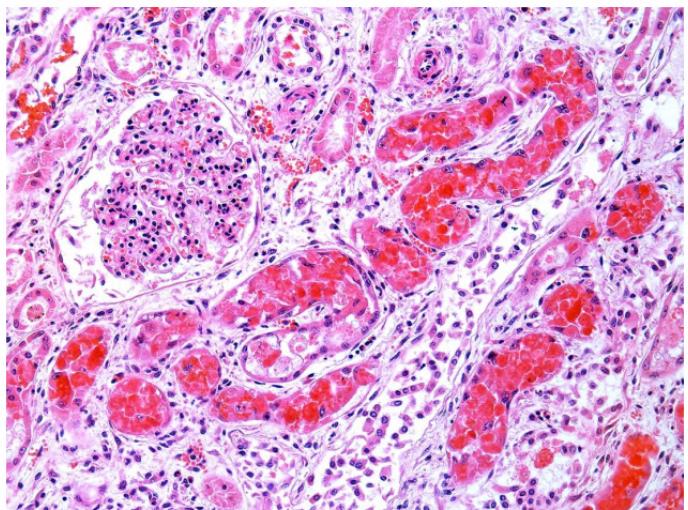


Figure 4



DIAGNOSTIC EXERCISE



Follow-up questions:

- *Cause*
- *Pathogenesis*

*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 non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the CL Davis website (<https://davisthompsonfoundation.org/diagnostic-exercise/>).

Editor for this Diagnostic Exercise: Saulo P. Pavarini

Editor-in-chief: Claudio Barros

Click here for answers

BOLIVIAN SUBDIVISION SEMINAR



Davis-Thompson
Foundation



II SEMINARIO DE LA
SUBDIVISIÓN
BOLIVIANA



Patología macroscópica del bovino y patologías respiratorias de cerdos.

JUEVES 5 DE MAYO 2022 – 10:00 - 15:00 CDMX



Mario Bedolla
MVZ, MSc



Alfonso Lopez
MVZ, MSc, PhD.

VIRTUAL
 en español

[Click here to register](#)

ANNUAL WNPRC

Davis-Thompson
Foundation

Friday
May 6, 2022
8:25am-5:45pm CDT

8th Annual WNPRC & D-T Foundation Lab Animal Medicine + Pathology Seminar and International Mock-ACLAM exam



Craig Franklin



Bettina Gentry



Brett Saladino



Joe Simmons



Jenny Coonen



Jessica Johnston



Rebekah Franklin

Seminar is **FREE** but
registration is required!



Click here to register

DISEASES OF AMPHIBIANS



Davis-Thompson
Foundation

**Full-day virtual seminar
Tuesday, May 17, 2022
9:00am-4:00pm CDT**

Hot legs...and other amphibian adventures!



**Mike Garner
DVM, DACVP**

**Robert "Oz" Ossiboff
DVM, PhD, DACVP**

**María Forzán
DVM, PhD,
MSc, DACVP**

Click here to register

SEMINAR SERIES IN PORTUGUESE



Seminar Series in Portuguese

2022

18:00-19:30 BST

MAIO
18**Plantas tóxicas para animais
de produção no Brasil.****Fabio Mendonça**
DVM, MSc, PhDJULHO
13**Patologia reprodutiva do cão
e gato.****Maria dos Anjos Pires**
PhD, MSc, VMDSET
14**Aborto por doenças infecciosas
em animais de produção.****Caroline Argenta Pescador**
DVM, MSc, PhDNOV
9**Patologia de doenças
micóticas.****Antônio Flávio Dantas**
DVM, PhD

Click here to register for
individual seminars

SEMINAR SERIES IN SPANISH



Davis-Thompson
Foundation



Spanish Seminar Series Seminarios en español 10:00am-11:30am CDT



MZO :::

24

Serie especial teórico práctico:
Dermatopatología básica 1: inflamacion
Joaquin Ortega, DVM, PhD, DACVP



ABR :::

28

Serie especial teórico práctico:
Dermatopatología básica 2: neoplasias
Joaquin Ortega, DVM, PhD, DACVP



MAY :::

19

Revisión de patología endócrina
Phillip Sponenberg, DVM, PhD



JUN :::

23

Plantas tóxicas en Sudamérica
Franklin Riet-Correa, DVM, PhD
Ernesto Odriozola, DVM, MS Phil

Click here to register for
individual seminars

AUSTRALIAN SEMINAR SERIES

Davis-Thompson
Foundation

Australian Seminar Series

1st semester 2022

Australian dates. See Foundation website for details and USA schedule.



APR
30

Pathology of Infectious Diseases in Reptiles

Rob Ossiboff

10am-12pm AEDT/AEST, 8am-10am AWS



MAY
19-20

Foreign animal disease and outbreak preparedness workshop

Multiple speakers (see website)

10am-2pm AEDT/AEST, 8am-12pm AWST



JULY
02

Dermatopathology

Verena Affolter

10am-12pm AEDT/AEST, 8am-10am AWST



JULY
09

Pathology of Small Ruminants

Shane Besier

10am-12pm AEDT/AEST, 8am-10am AWST

Click here to register
for individual seminars

DISEASES OF LOCAL LIVESTOCK



Davis-Thompson
Foundation

May 24-25, 2022
**WORKSHOP ON
DISEASES OF LOCAL
LIVESTOCK**
KUPANG, INDONESIA



CORRIE BROWN
DVM, PhD, DACVP



TANJA ZABKA
DVM, DACVP



at Undana, Penfui, Kupang

[Click here to register](#)

EASTERN EUROPEAN VET PATH MEETING

Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje and Davis-Thompson Foundation

3rd Annual Davis-Thompson Foundation Eastern European Veterinary Pathology Meeting

25-27 MAY 2022

Hotel Sileks, Ohrid, R. North Macedonia



**Registration fee 100 EUR
Discounted hotel rates when booked
before 31st March 2022**

**Information and Registration
<https://fvm.ukim.edu.mk/en/3rd-dtf-2022/>**



**Francisco
Uzal**
**DVM, MSc, PhD,
DACVP**

Bovine pathology
Alimentary diseases
of domestic animals



**Monika
Welle**
**DVM, DECVP,
Prof. Dr. med. vet.**

Dermatopathology



**Trpe
Ristoski**
DVM, PhD

Infectious diseases
of dogs and cats

Click here to register

US DESCRIPTIVE PATH COURSE



Davis-Thompson
Foundation



VIRTUAL

DESCRIPTIVE VETERINARY PATHOLOGY

June 6-10, 2022 **AUBURN UNIVERSITY**



Dr. Linden Craig



Dr. Jey Koehler



Dr. Patty Pesavento

how to describe and interpret:
gross, micro, EM, ISH/IHC/PCR

FIVE mock tests, including interpretation
MCQ + digital slides
active learning exercises, Q&A and more!

Virtual live \$250
Rebroadcast \$100
*add \$100 for non-members

[Click here to register](#)

NECROPSY COURSE



Davis-Thompson Foundation

**ECFVG CPE PREP
NECROPSY COURSE**

📍 Breathitt Veterinary Center
📅 Sat & Sun, June 10-11, 2022
🕒 8.00 AM – 4.00 PM

limited seats

Rafaela De Negri
DVM, MSc

Nathan Helgert
VMD, DACVP

Learn techniques of necropsy
Prepare for the necropsy portion of the ECFVG's CPE exam via hands on practice and mock exam with Veterinary Pathologists.

In person & virtual

For fees, schedule and registration, visit our website
<https://davisthompsonfoundation.org/>
link in bio

Click here to register

LITERATURE & INTERPRETATION COURSE

SAVE THE DATE!

CURRENT LITERATURE AND IMAGE INTERPRETATION COURSE

FORMERLY THE "GROSS COURSE"

Details coming soon!

SAVE THE DATE!

JULY 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					01	02
03	04	05	06	07	08	09
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Davis-Thompson Foundation

VIRTUAL

THE UNIVERSITY OF TENNESSEE KNOXVILLE

Registration information
coming soon

CLASS/POLA 2022



Davis-Thompson
Foundation

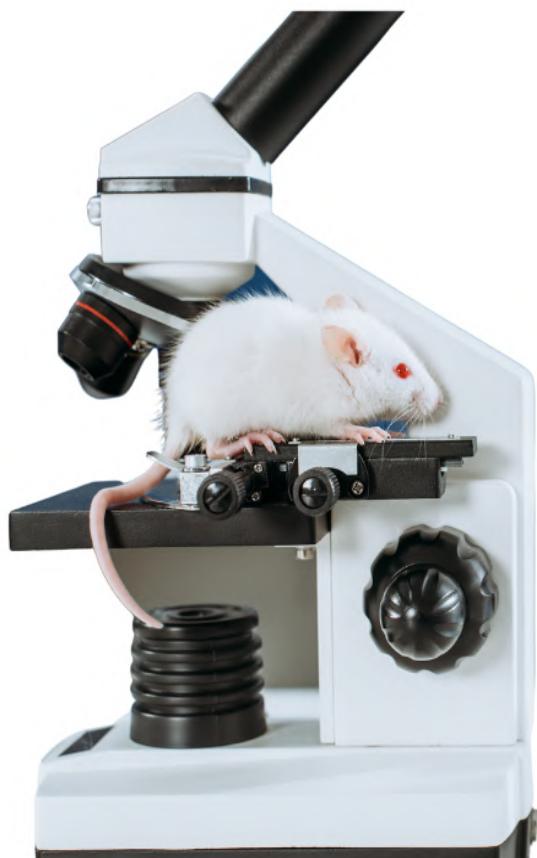


Penn
UNIVERSITY OF PENNSYLVANIA

SAVE THE DATE

2022
CURRENT LAB ANIMAL
SCIENCE SEMINAR (CLASS)
& PATHOLOGY OF LAB
ANIMALS (POLA)

CLASS | **POLA**
AUGUST 6-7 | **AUGUST 8-12**



VIRTUAL

Registration information
coming soon

NHP PATHOLOGY WORKSHOP

2022 ANNUAL SYMPOSIUM
DAVIS-THOMPSON FOUNDATION
EUROPEAN DIVISION

Non-human Primate Pathology
Workshop



ANNE LEWIS
DVM, PhD, DACVP

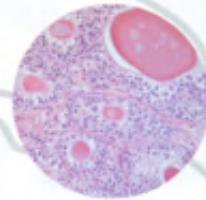


AMANDA BECK
DVM

5 & 6
Sept
2022



Athens, Greece
Sofitel, Athens Intl Airport



Click here to register

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

SAVE THE DATE!

7 Oct 2022

8 AM
5 PM
CDT



Hybrid format



Hyatt Regency Minneapolis

- Dr. Raquel Rech
- Dr. Andrew Miller
- Dr. Kevin Woolard

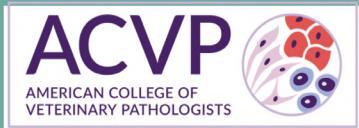


Registration informa-
tion coming soon on
AAVLD website

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

DT FOUNDATION SEMINARS IN LATIN AMERICA

DAVIS-THOMPSON FOUNDATION SEMINARS IN LATIN AMERICA 2022

Country	Seminar	Main topics	Dates	Speakers	Organizer	Format
Argentina	XVI Argentinean Seminar of the DTF	Avian pathology; neuropath, bovine diseases	24-25 August	Gabriel Senties Cue, Carmen Jerry, Marti Pumarola Batlle, Mario Bedolla	Rocio Marini; Ana Canal	Hybrid
Bolivia	II Bolivian Seminar of the DTF	Bovine pathology; porcine respiratory pathology	5 May	Mario Bedolla, Alfonso Lopez	Rodolfo Nallar	Virtual
Brazil	TBC	TBC	TBC	TBC	TBC	TBC
Chile	VII Chilean Meeting of Histopathology	Pathology of fish and mollusks	20-21 Oct	Carlos Sandoval, Paola Barato, Karin Lohrman	Carlos Flores	Hybrid
Colombia	TBC	TBC	TBC	TBC	TBC	TBC
Costa Rica	I Costa Rican Seminar of the DTF	GI Pathology, respiratory pathology, abortion	25-27 Feb	Leonardo Minatel, Francisco Uzal	Roberto Olivares	Hybrid
Guatemala	III Guatemalan Seminar of the DTF	Cardiovascular pathology	6 Apr	Enrique Aburto, Gisela Martinez	Deborah Rodriguez	Virtual
Mexico	IV Mexican Seminar of the DTF	Wildlife pathology	September TBC	Mariela Diaz, Ignacio Rangel, Osvaldo Lopez, Esperanza Yanez, Alfredo Perez, Emily Mitchell, Sarah Clift, Johan Steyl	Ubicelio Martin Orozco	Hybrid
Uruguay	Uruguayan Seminar of the DTF	Respiratory pathology, neuropath	22-23 Aug	Claudio Barros, Francisco Carvallo	Jose Manuel Verdes	Hybrid

BSVP CORNER



British Society of Veterinary Pathology

Advancing Education in Veterinary Pathology

IN PERSON & ONLINE

Farm Animal Respiratory Pathology

Moredun Research Institute
Edinburgh
Friday 10th June 2022



JEFF CASWELL

University of Guelph

SANDRA SCHOLES

SRUC

CHRIS COUSENS

Moredun Research Institute



TICKETS

www.bsvp.org



BSVP CORNER



British Society of Veterinary Pathology

Advancing Education in Veterinary Pathology

IN PERSON & ONLINE

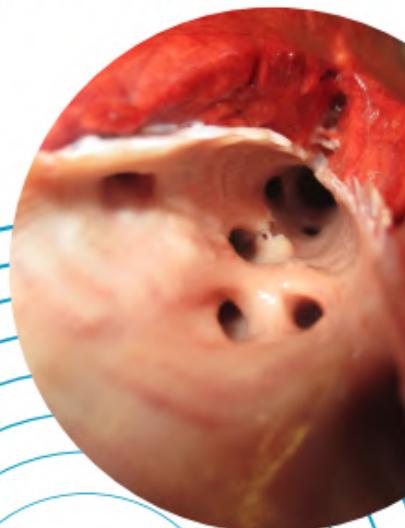
Farm Animal Respiratory Pathology Meeting Summary

- Overviews of bovine, small ruminant, and pig respiratory disease Jeff Caswell
- Role of innate immunity in bovine respiratory disease Jeff Caswell
- Mycoplasma bovis update Jeff Caswell
- Chronic non-fatal bacterial bronchopneumonia/acute fatal interstitial pneumonia Jeff Caswell
- Ovine Pulmonary adenocarcinoma Chris Cousens
- Ruminant foetal and neonatal lung pathology Sandra Scholes



**Early bird discounts
until 15th May**

www.bsvp.org



BSTP CORNER

BRITISH SOCIETY OF TOXICOLOGICAL PATHOLOGY

Notice of Future Meetings - March 2022



Virtual CES 6: Male Reproductive System
Tuesday 5th – Thursday 14th July 2022

CES 6 will be held over two weeks – on the afternoons of Tuesday 5th, Wednesday 6th, Thursday 7th, Tuesday 12th, Wednesday 13th and Thursday 14th July 2022, from 13.00 – 16.30/17.00 (GMT+1, London/UCT+1) each day.

Continuing Professional Development:

**Approved by the Royal Society of Biology for the purposes of CPD, this event may be counted as approximately 53 credits.
Approximately 17.5 hours of educational activity will be recorded on Attendance Certificates.**

This Continuing Education Symposium will cover an overview of the male reproductive system in preclinical animal species.

We are pleased to announce that Dianne Creasy will be the keynote speaker.

<< REGISTRATION IS NOW OPEN >>

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

or visit <http://www.bstp.org.uk/events/ces-6-male-reproductive-system/>

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

Continuing Professional Development: Royal Society of Biology CPD credits will be applied for.

We are delighted to invite you to attend **IN PERSON** the Digital Pathology and Mouse Pathology Workshop (in collaboration with Pathology Society of Great Britain and Ireland) which 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 have 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.

You will be able to create new collaborations and build on existing partnerships across industry & academia.

For up-to-date information, keep checking:

<http://www.bstp.org.uk/events/37th-annual-scientific-meeting-of-the-bstp/>

BSTP CORNER

Future BSTP events are due to take place as follows:

5th – 14th July 2022	Virtual CES 6 - Male Reproductive System
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
4th – 13th 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 - Urinary System
July 2026	CES 14 - Lymphoid & Haematopoietic Systems
November 2026	41st Annual Scientific Meeting & AGM
March 2027	CES 15 - Musculoskeletal System & Skin

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.

Webinars

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

BSTP webinars - in collaboration with the ESTP/SFTP/BSTP and ECVP/ESVP
6th Joint Webinar of the ESTP/SFTP/BSTP and ECVP/ESVP, Monday April 25th, 2022
“Hot topics in Veterinary and Toxicologic Pathology”.

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/>

IDEXX CASECONNEXX CORNER

Signalment: 5-year-old, female spayed, Beagle

Source/ History: Presented for evaluation of a large mass associated with the left forepaw dewclaw. The owner reported that they first noticed the mass a few weeks ago. Since then, it has grown substantially in size. Associated with the left forepaw dewclaw is an ~6 x 4.5 x 3cm ulcerated, malodorous, firmly attached mass.

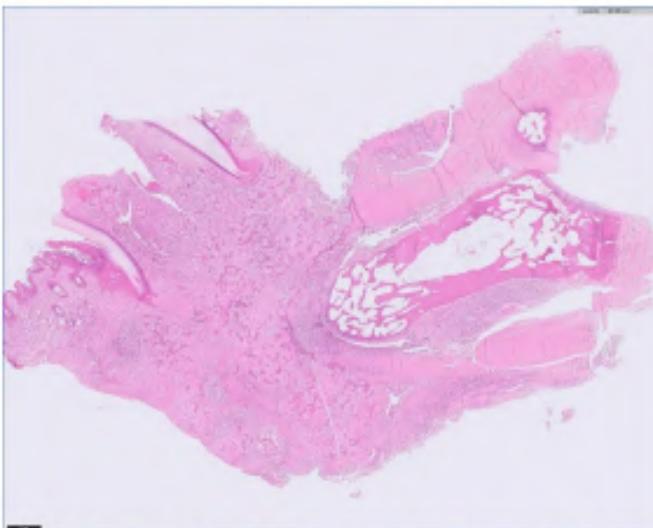


Figure 1. (1X magnification, H&E stain) Dewclaw mass. Expanding and replacing the distal digit bone of the dewclaw, is an unencapsulated, infiltrative neoplasm.

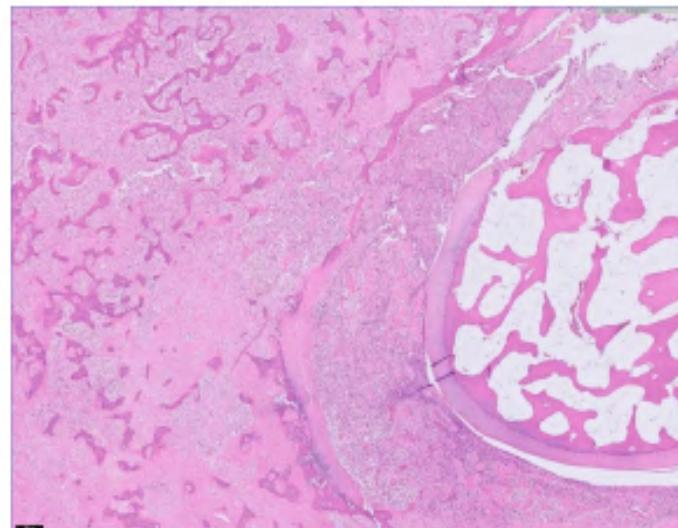


Figure 2. (5X magnification, H&E stain) Dewclaw mass. The mass largely replaces the distal digit bone (distal phalanx) and extends into the Interphalangeal joint space.

Microscopic Description:

Expanding and replacing the distal digit bone and extending into the surrounding subcutis and interphalangeal joint space is an unencapsulated, densely cellular, infiltrative neoplasm. The mass is composed of sheets and ill-defined streams supported by a mild fibrovascular stroma; often cells surround and invest narrow ribbons and trabeculae of pale eosinophilic, finely fibrillar material (osteoid) that is occasionally mineralized. Tumor cells are stellate or spindle-shaped with mild to moderate amounts of eosinophilic cytoplasm and distinct cell borders. Nuclei are round or oval with stippled chromatin and 1-3, small nucleoli. There is mild to moderate anisocytosis and anisokaryosis, and many multinucleated tumor cells. There are locally extensive regions of necrosis and hemorrhage within the mass. The overlying epidermis is segmentally ulcerated and covered by many coccobacilli.

Microscopic Interpretation:

Left front leg: Osteosarcoma with ulceration, arising from the distal digit bone (distal phalanx) of the dewclaw

Mitotic count: 28 in ten high power fields (total area of 2.37 mm²)

Vascular/lymphatic invasion: Not observed

Nodal metastasis: Not observed in the examined section of lymph node

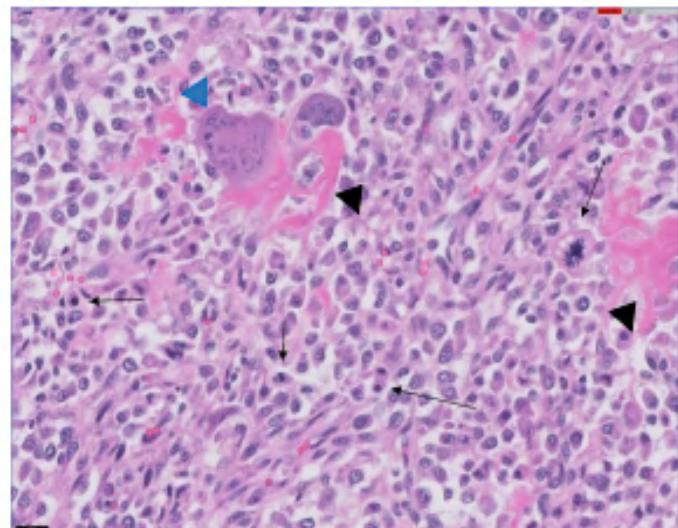


Figure 3. (60X magnification, H&E stain) Neoplastic cells often surround and invest narrow ribbons of pale eosinophilic, finely fibrillar material (osteoid; black arrowheads). There are scattered multinucleated cells (blue arrowhead) and mitotic figures (arrows).

Comments:

Osteosarcoma (OSA) arising within bones (central or medullary origin) accounts for up to 85% of malignant primary bone tumors in dogs. In general, canine OSA is a rapidly progressive neoplasm, with early mortality. Appendicular OSA demonstrates strong site predilections, with the forelimbs affected twice as often as the pelvic limbs. The majority occur within the distal radius, proximal humerus, proximal tibia and distal femur.

OSA arising from the digits, metatarsal and metacarpal bones is considered rare and may have a better prognosis compared to other anatomic locations. In one recent study that reviewed 15 cases, dogs with OSA of the digits, metacarpal and metatarsal bones appeared to have a longer survival time (687 days) compared with other appendicular locations.

References: Meuten, ed. (2017) Tumors in Domestic Animals, 5th ed., 374-393; Tremolada G et al. Biological behavior of primary osteosarcoma of the digits, metacarpal and metatarsal bones in dogs. Vet Comp Oncol. 2021 Dec;19(4):735-742.

MISCELLANEOUS ANNOUNCEMENTS

Become a member of the Latin Comparative Pathology Group

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

\$15 - Students in Latin America

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

MISCELLANEOUS ANNOUNCEMENTS



www.vcgp.org is now live!

The goal of the website and the mission of VCGP is to improve care for animals with cancer through standardization of tumor evaluation and reporting. This website provides guidelines for assessing common parameters used in the light microscopic assessment of animal tumors as well as complete protocols recommended for investigators seeking to establish tumor grading systems. VCGP created this website to maintain these guidelines and protocols as centralized resources for veterinary anatomic and clinical pathologists to assist in reporting and gathering relevant information about aggressive tumors. Detailed protocols and guidelines are educational and research resources while the concise versions are user ready checklists for diagnosticians and editors/reviewers of manuscripts. These are living documents that will be updated and are continuations of manuscripts published by our vetveterinary pathologist colleagues.

See: International Guidelines for Veterinary Tumor Pathology: A Call to Action - <https://doi.org/10.1177/03009858211013712>



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Surgical Pathology of Tumors of Domestic Animals

Edited by M. Kiupel



Volume 4: Tumors of Bone, Cartilage and Other Hard Tissues

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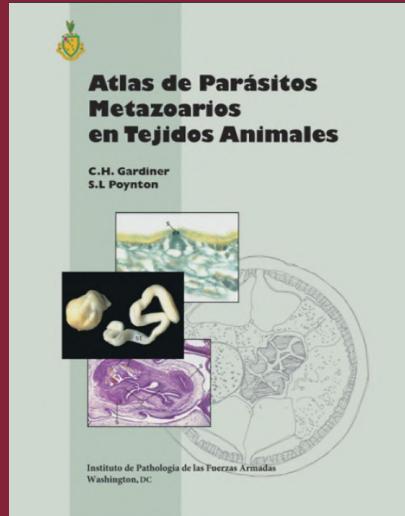
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Have slides left over from your recent slide seminar? Just looking to free up some storage space? The Foundation is looking for additional glass slides, kodachromes and other similar materials for its Correspondence Division and Study Centers. All 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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Phone: 847-367-4359

Fax: 847-247-1869

 davisthompsonfoundation.org

cldavisdvm@comcast.net

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