



**Davis-Thompson
Foundation**

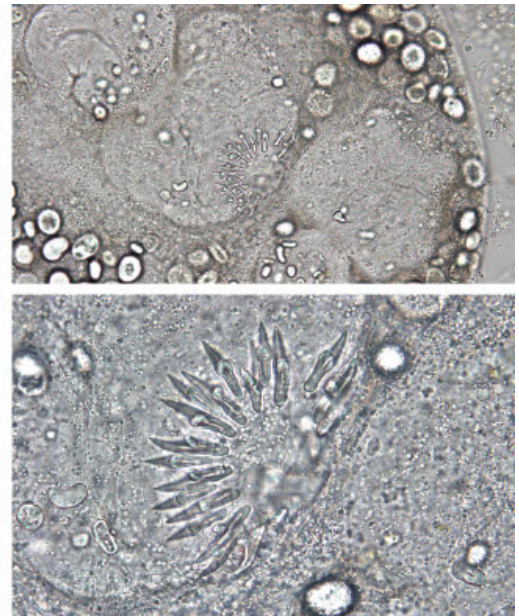
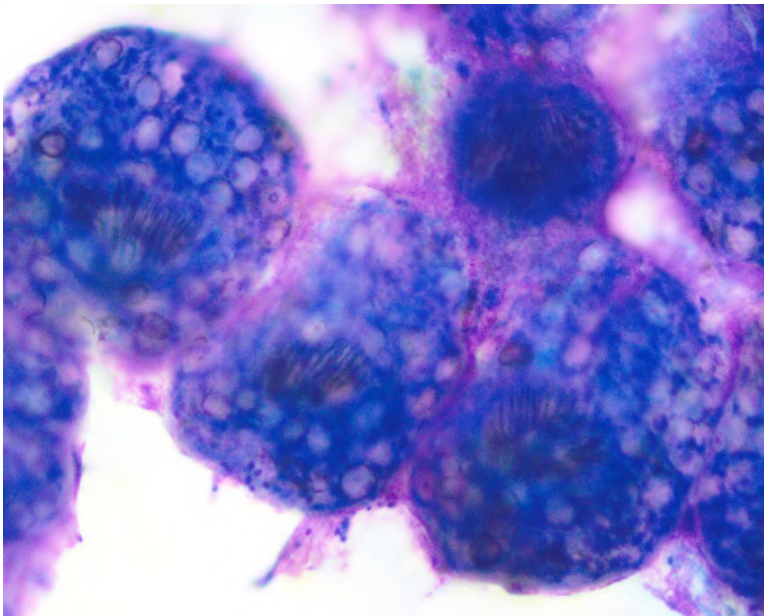
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DVM FOUNDATION

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and comparative pathology

THE DAVIS-THOMPSON FOUNDATION NEWSLETTER

December

VOL. 55



The protoscolices seen in the wet mount of a wallaby's pulmonary cysts (left) belong to which larval stage of *Echinococcus granulosus*?

- A. Cysticercus
- B. Coenurus
- C. Hydatid cyst
- D. Mesocercaria
- E. Plerocercoid

INSIDE THIS ISSUE

MONTHLY COVER IMAGE WINNERS:

**Moira Kerr¹, DVM, MVetSc (Clinical Pathology) &
Viviana González-Astudillo² DVM, PhD, DACVP**

1. Department of Veterinary Pathology, Western College of Veterinary Medicine, Saskatoon, Saskatchewan, Canada; 2. The University of Queensland, School of Veterinary Science, Queensland, Australia

Answer: C

Hydatid cysts are the metacestode stage of *Echinococcus* spp., producing protoscolices within brood capsules.

Stained image (González-Astudillo): Male adult (unknown age) Swamp Wallaby found dead with cysts in the lungs. On cytology, the cysts were filled by fluid admixed with numerous protoscolices, most displaying their developing hooklets, typical of *Echinococcus granulosus*.

Unstained images (Kerr): Four-year-old FS Labrador dog with a 2-month history of gradual, progressive weight loss and inappetence. On post-mortem examination 75% of the liver was replaced by hydatid cysts. PCR performed on the abdominal fluid and hepatic tissue was positive for *Echinococcus multilocularis* (European strain).

-Dr. Katherine D. Watson - Cover Image Editor

-Dr. M. Donald McGavin - Cover Image Composition Analyst

Submit your image today (images@davisthompsonfoundation.org)!

- | | | | |
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MESSAGE FROM THE CEO

Dear colleagues,

Welcome to the December issue of the Davis-Thompson Foundation (DTF) newsletter with the compliments of our brilliant Managing Editors, Javier Asin and Jeann Leal. Thank you Javier and Jeann.

November was a very active month with training activities all over the world in English, Portuguese and Spanish. Amongst the latter, was the 3rd Venezuelan Seminar of the DTF and Latin Comparative Pathology Group, in Barquisimeto, Venezuela on November 21 and 22. The Seminar was an utter success, but when the international speakers were ready to fly back to their home countries (Spain and Argentina), most major airlines suspended flights to and from Venezuela. Our Venezuelan colleagues, led by Dr. Yaritza Salas, were not deterred by this and immediately organized travel by land and air for our speakers to Cucuta, ~600 km from Barquisimeto on the Colombian side of the border with Venezuela. From there, the speakers flew to Bogota where they took international flights home. This episode is a perfect example of the resiliency of our speakers and the brilliant way our hosts look after our speakers. Thank you Yari! As always, the Foundation continues with its training activities even under the most difficult circumstances.

Please peruse these pages to find myriad training opportunities all over the world in several languages for the rest of the year and in 2026. Also, enjoy the reports on our most recent training activities. Amongst those, I want to highlight Dr. Brian Murphy's outstanding DTF Latin American Roadshow, through which he visited Chile, Brazil and Mexico, lecturing for 12 hours in each country. This was an enormous effort that received overwhelming positive responses from a grateful audience and the DTF. Thank you Brian!

Finally, I close this message with a heartfelt thank you to one of our very special volunteers and member of the Board of Directors of the Foundation: Dr Mike Dark. See below our special article of appreciation to him. Thank you Mike; we could not do it without you!!!

Looking forward to meeting you in one of our training activities.

Warmest regards,

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



THANK YOU MIKE DARK

Thank you Mike Dark, Davis-Thompson Foundation IT specialist and member of the Board of Directors



Mike Dark having dinner during the annual meeting of AAVLD in Denver in October 2025. This is a rare occasion in which he is allowing other people to help him... :) Photo: N. Streitenberger.

"Mike Dark is the Foundation's IT specialist and is responsible for many of the activities that go on behind scenes in the Foundation, including our website, registration for courses, Noah's Arkive and Slide Box, and all sorts of other activities. In addition to his day job as Director and Clinical Associate Professor at the Department of Comparative, Diagnostic & Population Medicine of the University of Florida, Mike makes himself available 24/7 for whatever the DTF requires. Thank you Mike; we could not do it without you!!!"

-Paco Uzal, DTF CEO-

"Put simply: without Mike Dark, the Davis-Thompson Foundation would not run. His computer skills, creative problem-solving, and dedication to this organization for the last decade are nothing short of heroic. Mike is the one working tirelessly in the background, making the engine run and ensuring that we can interface with the world. He does all this on top of his demanding job at University of Florida and his responsibilities as a parent of young children. We are grateful for him every day!"

-Jey Koehler, DTF President-

"Mike Dark is the backbone of the Davis-Thompson Foundation's digital world - our IT wizard and master code writer. He works tirelessly behind the scenes to keep every system running smoothly, always ready to troubleshoot, fix, or optimize at a moment's notice (even during those surprise emergencies!). His responsiveness, technical brilliance, and cheerful attitude make him an absolute joy to work with - and his legendary meme game keeps the whole team smiling."

-Rafaela DeNegri, DTF Vicepresident of Operations-

THANK YOU MIKE DARK

"If there is an unsung hero of the Davis-Thompson Foundation, it has to be Mike Dark! Mike is absolutely integral to everything the Foundation does – behind every innovation, every upgrade to the Foundation website, and behind every product that the Foundation provides to pathologists around the world. He is the architect of Noah's Slidebox, Noah's Arkive, and the Foundation's videos on demand. Got a certificate from watching a Foundation lecture online? Mike designed the system that allowed you to watch it, and set up the system that sent you the survey, and when you finished the survey, delivered the certificate to your account. Read a newsletter and enjoyed the latest Diagnostic Exercise – Mike set up the mailing list and the Diagnostic Exercise section on the website. Register for a course – yes, it's all Mike again – from designing the Events calendar, the ticket purchasing system, and the Canvas system for delivery of the handouts.

But while Mike's programming is amazing – what is even more amazing is the fact that he is so involved in the little things too. When there is a glitch in the system, I call Mike, and he is right on it. Someone can't log into an online course – Mike usually is the person who sorts it out. Mike is always there, and drops everything with good cheer to help out. And most of all, no matter what the crazy idea we come up with, Mike always has an idea about how to make it work.

Before Mike, the Foundation's global educational outreach consisted of lectures on DVD, boxes of glass slides shipped between universities by snail mail, and thumb drives with course handouts on them. Mike has orchestrated every step forward and every new technology, and all while flying under the radar. No longer, Mike – step forward and take a bow!"

-Bruce Williams, DTF CFO-

JVDI IN FOCUS

JVDI Journal of
Veterinary
Diagnostic
Investigation

The Official Journal of the
American Association of Veterinary Laboratory Diagnosticians

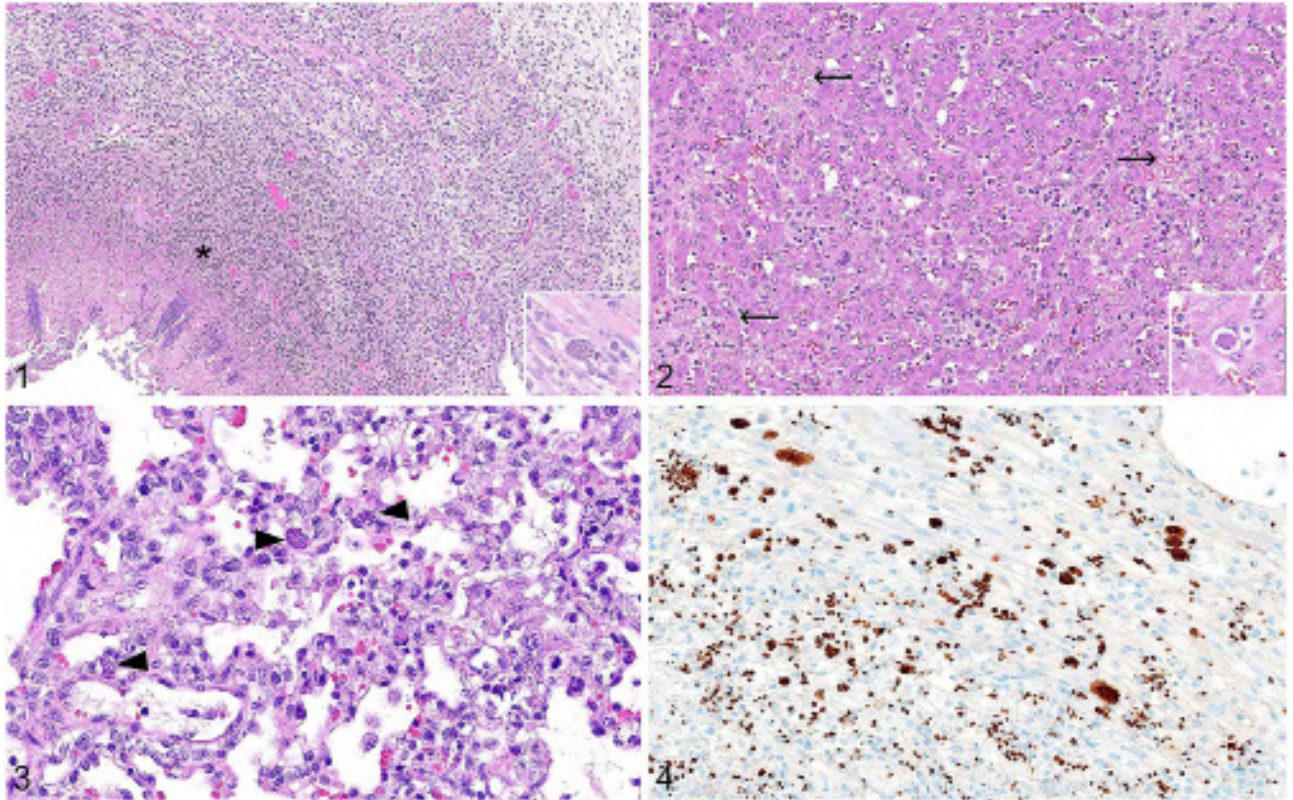


Our December focus is an article appearing in the upcoming January issue: **“Systemic toxoplasmosis in weaned pigs in Pennsylvania, USA, with a brief review of the literature”** by Paiva RC, Burrough ER, Siepker CL, Pierdon M, Holowka A, Madson DM

J Vet Diagn Invest 2026. <https://journals.sagepub.com/doi/10.1177/10406387251384994>

Toxoplasma gondii is an important apicomplexan parasite in veterinary medicine, with swine prevalence varying due to age, geographic distribution, and production program. Samples from a 6-wk-old pig from a small backyard farm with multisystemic disease concerns were submitted to the Iowa State University–Veterinary Diagnostic Laboratory. Gross findings included severe necrotizing enteritis with pseudomembrane formation and edematous, non-collapsing lungs. Histologic findings were severe necrotizing enterocolitis and random multifocal pulmonary and hepatic necrosis with numerous intralesional protozoal cysts consistent with *T. gondii*. Immunohistochemistry, reverse-transcription real-time PCR (RT-rtPCR), and serologic tests were positive for *T. gondii*; concurrent influenza A virus, porcine reproductive and respiratory syndrome virus, porcine circovirus 2, African swine fever virus, and classical swine fever virus were ruled out by RT-rtPCR. Given the worldwide distribution and zoonotic potential of *T. gondii*, the possibility of infection in swine should be considered.

JVDI IN FOCUS



Figures 1–4. Microscopic, multi-organ lesions of toxoplasmosis in a domestic pig. **Figure 1.** Seg-mental necrotizing and suppurative enteritis (asterisk). The mucosa is thickened by numerous neutrophils and cellular debris admixed with basophilic indistinct bacterial colonies. Inset: the tunica muscularis containing a tissue cyst with *Toxoplasma gondii* bradyzoites. H&E. **Figure 2.** Multifocal hepatocellular coagulative necrosis (arrows) throughout the parenchyma. Inset: a hepatocyte containing intracytoplasmic *T. gondii* bradyzoites. H&E. **Figure 3.** Tissue cysts containing *T. gondii* bradyzoites (arrowheads) within alveolar septa and areas of alveolar septal necrosis. H&E. **Figure 4.** Strong immunoreactivity for *T. gondii* in both the tissue cysts and numerous free tachyzoites in the small intestine. Immunohistochemistry.



DIAGNOSTIC EXERCISE



Case #: 271; Month: October; Year: 2025

Contributors: Juan Diego Hidalgo Dittel¹, DVM; Roger Such Basiana², DVM, Laura G. Bass^{3,4,6}, DVM, MSc; Gaby Dolz-Wiedner⁵, DVM, PhD; Antony Solórzano-Morales⁵, Biol, MSc; Roberto W. I. Olivares^{1,6}, DVM, EdS, PhD, DACVP

1-Servicio de Patología Diagnóstica LAPAVET-ESFA, Cátedra de Patología e Histología, Escuela de Medicina y Cirugía Veterinaria San Francisco de Asís, Universidad Veritas, Vázquez de Coronado, San José, Costa Rica. 2-Jaguar Rescue Center, Puerto Viejo, Limón, Costa Rica. 3- Maestría en Enfermedades Tropicales, Posgrado Regional en Ciencias Veterinarias Tropicales (PCVET), Universidad Nacional (UNA), Heredia, Costa Rica. 4- Cátedra de Microbiología e Inmunología, Escuela de Medicina y Cirugía Veterinaria San Francisco de Asís, Universidad Veritas. Vázquez de Coronado, San José, Costa Rica. 5- Laboratorio de Zoonosis y Entomología, Escuela de Medicina Veterinaria, Universidad Nacional (UNA), Heredia, Costa Rica. 6- Current position: California Animal Health & Food Safety Laboratory System – UC Davis.

***Corresponding author:** rwolivares@ucdavis.edu

History: Multiple tissue samples from various organs of a juvenile margay (*Leopardus wiedii*) were collected during necropsy. Before death, the animal exhibited severe weakness, vomiting, diarrhea, dehydration, abdominal discomfort, and marked leukopenia.

Necropsy Findings, Gross Images and Microscopic Images: As reported by the referring veterinarian, necropsy findings revealed a poor body condition with notably pale mucous membranes. Figure 1 shows the only gross alteration seen in the necropsy.

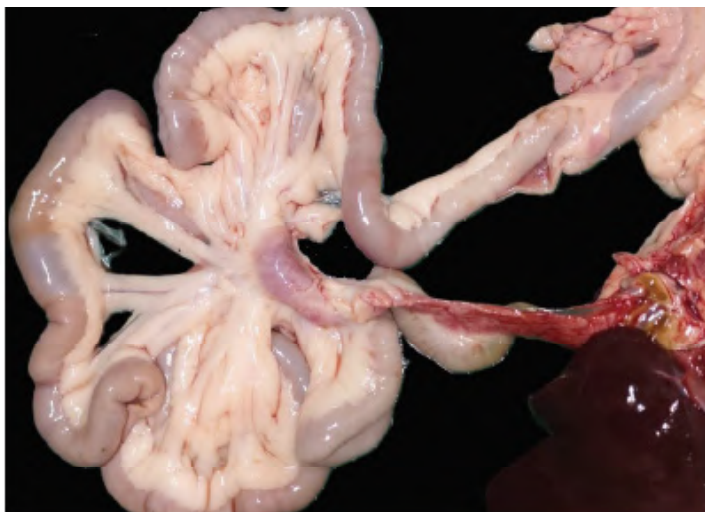


Figure 1



DIAGNOSTIC EXERCISE

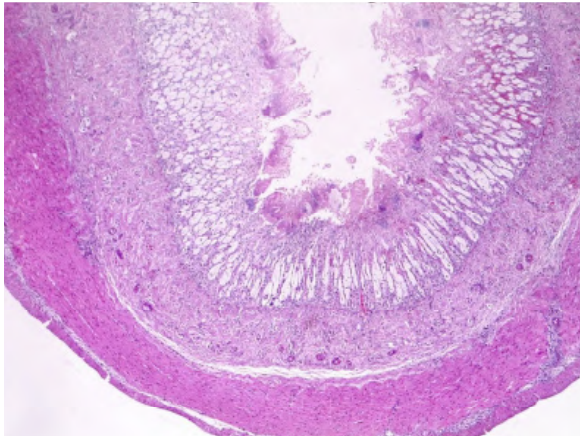


Figure 2

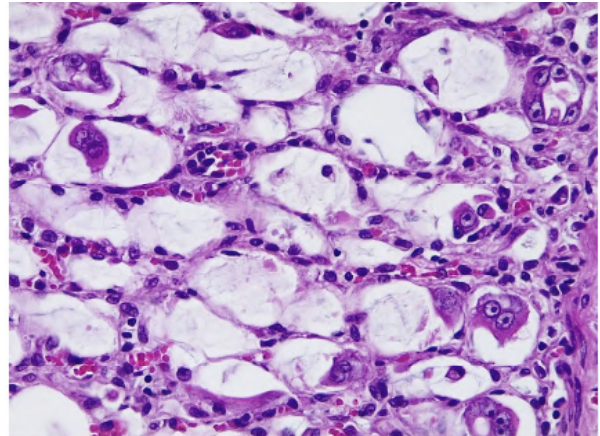


Figure 3

Follow-up questions:

- *Morphologic gross diagnoses (Fig. 1)*
- *Histopathology description and morphologic diagnosis (Fig. 2 and 3)*
- *Name of the disease*

Click here for answers

Associate Editor for this Diagnostic Exercise: Francisco Uzal
Editor-in-chief: Claudio Barros

*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/>).

AAZV-DTF WORKSHOP REVIEW

32nd Annual Association of Zoo Veterinarians and CL Davis-Thompson Foundation Zoo and Wildlife Pathology Workshop

24 August 2025

by Dr. Dalen Agnew, Course Director

Fifty participants registered for the recent 32nd Annual Zoo and Wildlife Pathology Workshop held in Kansas City, Missouri during the meeting of the American Associations of Zoo Veterinarians. The audience was international and included veterinary students, interns, residents, and clinical veterinarians as well as veterinary pathologists. Our workshop keynote speaker, Dr. Tara Harrison came from North Carolina State University College of Veterinary Medicine and provided an overview of neoplastic diseases in wildlife entitled: “Collaborating to Conquer Cancer.” This was followed by 19 presentations by participants on the theme, with individual talks covering a range of species and tumors including koala retroviral induced cancers, reticuloendotheliosis in Atwater’s prairie chickens, mast cell tumors in Puerto Rican crested toads, adenovirus-associated melanomas in fish, and many others. Scanned slides and full reports are now available on the Davis-Thompson Foundation Noah’s Arkive. The next Zoo and Wildlife Pathology Workshop is scheduled for 18 October 2026 in Oklahoma City, Oklahoma, USA – covering amphibian pathology with our keynote speaker, Dr. Robert “Oz” Ossiboff. Look for more details and request for case material in the spring.

[Click here to see this year's slides in Noah's slidebox](#)

AAZV-DTF WORKSHOP REVIEW



The keynote speaker at this year's AAZV-Davis Thompson Foundation 32nd Annual Zoo and Wildlife Pathology Workshop was Dr. Tara Harrison from North Carolina State University College of Veterinary Medicine. She spoke on "Collaborating to Conquer Cancer." She is joined in this photo by Drs. Rachel Burns and Dalen Agnew, the workshop facilitators.

Dr. Tara Harrison, keynote speaker at this year's AAZV DTF Zoo and Wildlife Pathology Workshop, credits Dr. Linda Munson with her early career training in reproductive cancer diagnostics.



DTF-AAVLD PREMEETING WORKSHOP REVIEW

DTF-AAVLD pre-meeting workshop: Clinical Pathology for Anatomic Pathologists

31 October 2025

by Dr. Patty Pesavento

Clinical Pathology-Anatomic Pathology (CPAP2025) was the full day Davis-Thompson Foundation/AAVLD Pre-Meeting workshop in Aurora, Colorado. There was a 2:1 ratio of clinical pathologists (Drs. Melanie Ammersbach and Alex Mau) to anatomic pathologists (Dr. Patty Pesavento) who jointly presented all-new material focused on the practical side of using impression smears to teach and to make important diagnostic decisions while on the necropsy floor. Most of the teaching material was Diff-Quik, and the clinical pathologists were fully game to discuss how powerful touch impression can be without oil (!) and only up to 40X. The audience included close to 70 trainees and seasoned pathologists who contributed their experience in using cytology to guide necropsy safety and diagnostic planning. In the morning, the topics that were covered included sample collection and best practices for multiple types of tissue samples, with examples of inflammation, infectious disease, and neoplasia – along with recognizing common artefacts (e.g., autolysis, stain procedures, etc.). Touch impressions and live patient aspirates were compared, and with that the group also “touched-on” strengths and limitations of Diff-Quik and Wright-Giemsa. Future considerations included best teaching and diagnostic practices and a call to expand our use of impression smears to include the intestinal mucosa, along with special tactics like brain (squashes) and bone marrow. The attendees had received 9 scanned mystery impression slides for review prior to the meeting, so in the afternoon the discussion revolved around the histories, post-mortem intervals, key features, and diagnostic information of those cases. As a group, we identified multiple potential and at best highly collaborative studies that would be useful for accountable diagnostic and floor safety decisions. We shared new thoughts, kicked out some dogma, and generally had an excellent day.

DTF-AAVLD PREMEETING WORKSHOP REVIEW



Patty Pesavento and Melanie Ammersbach discussing a slide

Alex Mau presenting



DISEASES OF LAB ANIMALS REVIEW

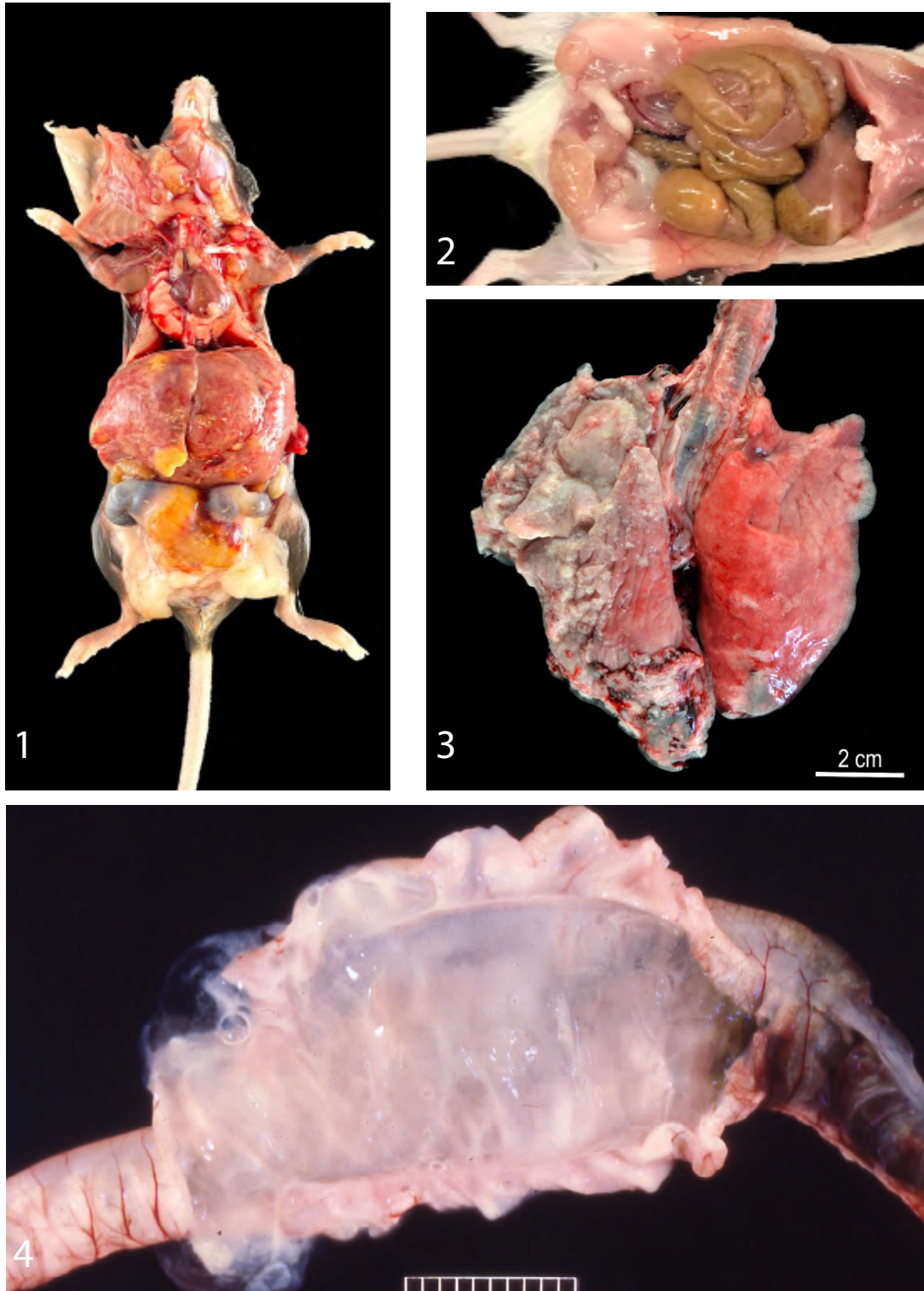
Full Day Seminar on Diseases of Laboratory Animals

18 November 2025

by Dr. Denise Imai, Course Director

The full-day seminar on Diseases of Laboratory Animals held virtually on Tuesday, November 18th was a wild success! Dr. Kerriann Casey (Stanford University) reviewed infectious diseases of mice and rats, categorizing them as classic versus contemporary to help us understand what we need to be aware of but what we would likely encounter as modern laboratory animal diagnosticians. Dr. Pedro Ruivo (University of California, Davis – Comparative Pathology Laboratory) gave a comprehensive overview of the non-infectious diseases of laboratory rodents. My favorite section was his review of the practical differentials for the presenting complaint, “looks pregnant but isn’t”. Dr. Javier Asin (California Animal Health and Food Safety Laboratory system – San Bernadino Branch) summarized current knowledge and recent findings on infectious diseases affecting wild/domestic lagomorphs and guinea pigs. The slam-dunk results of the mock exam given at the end of his presentation reflects the effectiveness of his engaging and informative session. Our final speaker, Dr. Stephen Barthold (University of California, Davis) showcased non-infectious diseases of rabbits and guinea pigs, highlighting the updated material included in the newest edition of his textbook, Pathology of Laboratory Rodents and Rabbits. See next page for a collection of gross photos featured in the different presentations. The workshop was well-attended by trainees and career pathologists with active participation in the chat and in the Q&A session. Dr. Kaylin Moctezuma (University of Connecticut) masterfully negotiated technology challenges and the interrupted availability of the workshop host, Dr. Denise Imai (thank you Kaylin!). We look forward to a follow-up seminar next year on the diseases of non-traditional laboratory animals.

DISEASES OF LAB ANIMALS REVIEW



1. Histiocytic sarcoma in a mouse (P. Ruivo). 2. Intestinal dilation in a *Clostridium cuniculi*-positive NSG mouse (K. Casey). 3. *Pasteurella multocida* pleuropneumonia in a rabbit (J. Asin). 4. Mucoid enteropathy in a rabbit (S. Barthold)

LATIN AMERICAN ROADSHOW REVIEW

Latin American Roadshow Report: Dr. Brian Murphy visited Chile, Brazil, & Mexico

17-25 November 2025

First stop: Santiago, Chile

by Dr. Federico Cifuentes, Dr. Carolina Escobar (PUC), and Dr. Francisco Carvallo
The first stop of the 2025 Latin American Roadshow took place in Santiago, Chile. Dr. Brian Murphy and his wife, Dr. Kirsten Murphy, arrived early in the morning and were able to spend a full day recovering from the trip while exploring the city.

The roadshow was hosted by the Faculty of Veterinary Medicine, Pontificia Universidad Católica de Chile (PUC), San Joaquín Campus, on November 17–18, with the support of the Chilean Society of Veterinary Pathology. The meeting was an outstanding success, welco-



ming 60 students and veterinarians from across the country. Participants were highly engaged and enthusiastic throughout two full days of lectures and discussions focused on oral and orthopedic pathology. In parallel with Dr. Murphy's sessions, the VIII Chilean Seminar of Histopathology was held, featuring numerous case report and poster presentations that further enriched the academic program.

We sincerely thank the Davis Thompson Foundation for making Dr. Murphy's visit to Chile possible. It was



truly an honor to host him, and his contribution had a meaningful impact on the Chilean veterinary pathology community.

LATIN AMERICAN ROADSHOW REVIEW

Next stop... São Paulo, Brazil

by Dr Renee Laufer Amorim and Dr. Juliana Guerra (USP)

The Bone and Oral Pathology Roadshow held at University of São Paulo Faculty of Veterinary Medicine and Animal Science, São Paulo, Brazil, on November 20 and 21, featured Dr. Brian Murphy as the invited international speaker and offered twelve hours of lectures, providing an in-depth review of contemporary diagnostic approaches and challenging cases in bone and oral pathology. The event brought together 72 participants, composed primarily of veterinary pathologists and residents. The meeting included an on-site lunch that fostered additional interaction among attendees. A dedicated discussion period allowed several participants to present and debate cases directly with Dr. Murphy, enriching the scientific exchange and strengthening expertise in these specialized areas of veterinary pathology. We gratefully acknowledge the Davis-Thomson Foundation and the LCPG for making this opportunity possible.



LATIN AMERICAN ROADSHOW REVIEW

And finally, Mexico City!

by Dr. Itzel Yanez, Dr. Beatriz Vanda, Adriana Mendez (FMVZ-UNAM), and Ileana Martinez (UPAEP)

The Oral and Orthopedic Pathology Course, presented by Dr. Brian Murphy from the University of California-Davis, was part of the Davis-Thompson Foundation Latin-American's Roadshow. In Mexico, it was coordinated by the Latin American Division of the Davis-Thompson Foundation (Latin Comparative Pathology Group -LCPG-), the Mexican Society of Veterinary Pathologists (SMPV), and the Department of Pathology of the School of Veterinary Medicine of the Faculty of Veterinary Medicine and Zootecnia, National University of Mexico (FMVZ-UNAM). The 12-hour course took place on November 24 and 25 in the Aline S. de Aluja Auditorium of the FMVZ-UNAM, with simultaneous translation provided to facilitate student participation.



The event was attended by over 100 people, mostly undergraduate and graduate students (>75%), as well as professionals, primarily veterinary pathologists, from various parts of the country. In addition to the presentations, which included clinical-pathology cases, we had the opportunity to discuss some of the attendees' cases by observing the slides projected in the department's lecture hall or under the multi-head microscope.

LATIN AMERICAN ROADSHOW REVIEW

Words from our traveler speaker, Dr. Brian Murphy

Kirsten and I just returned from our whirlwind (*torbellino*) trip to Latin America visiting Santiago, São Paulo, and Ciudad de México. Although the two-day lecture schedule at each site was intense, we still had time to hike up Cerro San Cristóbal and enjoy the spectacular views in Santiago, visit the Universidade de São Paulo veterinary school, and go boating in the famous canals of Xochimilco, Mexico City. Along the way, we met some fantastic people, enjoyed spectacular food in all three cities, and had many great dinner conversations. A highlight of the trip was the entire group of attendees serenading Kirsten with “Las Mañanitas” for her birthday (they sang it twice!).

The organization throughout the tour was flawless and the people were the best!



SEMINAR SERIES IN PORTUGUESE



The poster features a dark teal background with orange and light teal geometric shapes. In the top left, there is a shield logo for the Davis-Thompson Foundation, a map of Brazil with 'LQAG' written vertically, and the circular logo of the Associação Brasileira de Patologia Veterinária. The top right section contains the event title 'Seminar Series in Portuguese' in orange, the date '11 de dezembro, 2025' in white on an orange bar, and the time '12:00-13:00 (UTC-03:00; BRT)' in orange. A central orange circle contains a portrait of Roberio Gomes Olinda. To the right of the portrait, the topic 'DERMATOPATOLOGIA VETERINÁRIA- PARTE 2' is written in white and orange. Below this, a dark teal rounded rectangle contains the speaker's name 'Roberio Gomes Olinda' and credentials 'DVM, MSc, PhD' in white. At the bottom right, there is a circular illustration of a skin cross-section with a hair follicle and a small inset showing a histological slide of skin tissue.

**Seminar Series
in Portuguese**

11 de dezembro, 2025

12:00-13:00 (UTC-03:00; BRT)

**DERMATOPATOLOGIA
VETERINÁRIA- PARTE 2**

Roberio Gomes Olinda
DVM, MSc, PhD

[Click here to register](#)

HISTOPATHOLOGY ROUNDS IN SPANISH



RONDAS DE
HISTOPATOLOGÍA DEL LCPG



Davis-Thompson
Foundation

CASOS VARIADOS

Jueves 18 de Diciembre, 2025
10:30 AM - 11:30 AM CT

INTERACTIVO



VIRTUAL

EN ESPAÑOL



Paola Barato
DVM, PhD

[Click here to register](#)

GENERAL PATHOLOGY COURSE



Davis-Thompson
Foundation

GENERAL PATHOLOGY REVIEW COURSE SPEAKERS

JANUARY 26 - 30 + FEBRUARY 5, 2026
LECTURES MOCK EXAM- LIVE OPTION ONLY!



**James
Stanton**



**Samantha
Schlemmer**



**Kevin
Woolard**



**Jairo
Nunes**



**Anna-Maria
Travis**



**Lauren
Stranahan**



**Nicolas
Streitenberger**



Virtual live or rebroadcast



225-475



pending approval

[Click here to register](#)

NEW FISH PATHOLOGY SERIES



Davis-Thompson
Foundation

A new
interactive
fin-omenal
Pathology Series!



FISH PATHOLOGY

WITH DR. EILEEN HENDERSON

Every first Wednesday
of even months- 2026
12- 1 PM CST



Virtual
Free registration
Register once, join all

More information in
our website soon!

WESTERN ROUND ROBIN CASE

CONTRIBUTING LABORATORY:
California Animal Health and Food Safety Laboratory
Davis branch

Signalment and History:

Four ewes have aborted over the last month. Two abortions composed of two fetuses each and the placenta are submitted for diagnostic investigation. Both abortions occurred within 24h.

Gross Findings:

Four (3 female and 1 male) ovine fetuses measuring 40cm, 37.5cm, 36cm, and 38cm in length (crown to rump) were identified as "A", "B", "C", and "D", respectively, with the placenta (1 of 2) are submitted for necropsy and full diagnostic workup. All four fetuses have complete body and sensory hair. All the cotyledons are dark red, wet with multifocal 1-2mm in diameter, tan-white foci (Figure 1). The lung samples in "A" sink while the ones from "B", "C", and "D" float in formalin. In fetuses B and C, the lungs are diffusely dark-red, wet, and edematous

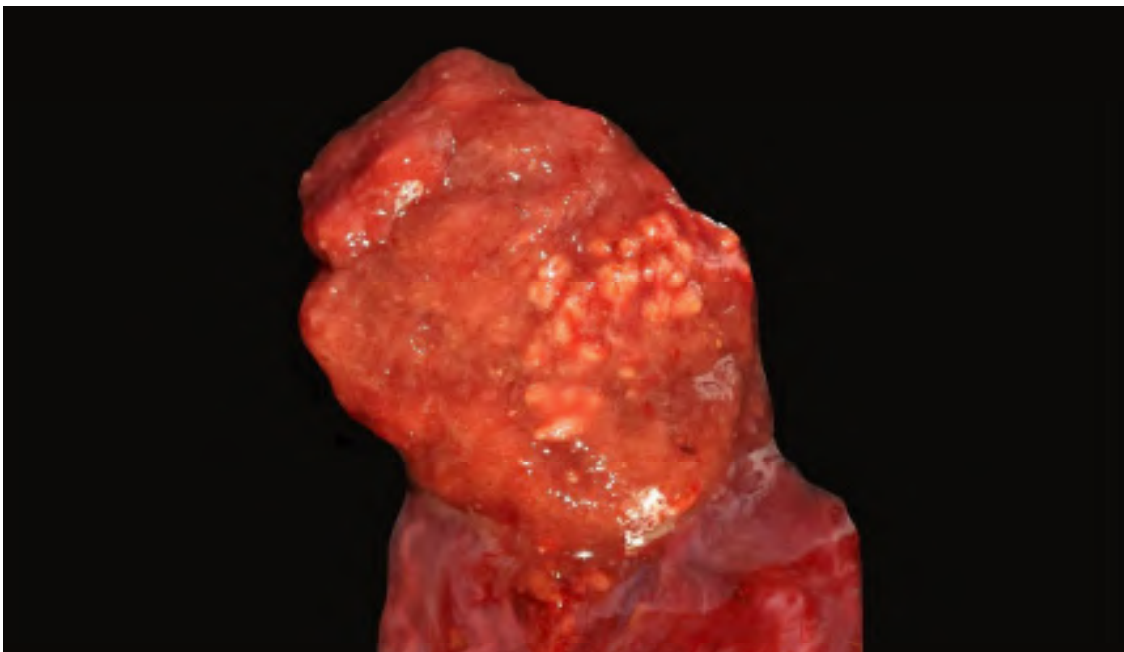


Figure 1: Cotyledon, placenta. Observe the prominent white necrotic foci in the cotyledonary villi.

WESTERN ROUND ROBIN CASE

Histology:

Chorioallantois: The chorionic epithelium and sub-chorion are multifocally disrupted by numerous necrotic foci composed of eosinophilic necrotic debris, karyorrhectic debris, fibrin, hemorrhages, a few macrophages, and neutrophils. Rare foci of mineralization, hemosiderin-laden macrophages/trophoblasts, and meconium are in the chorion and between the cotyledonary villi. The extraembryonic coelom is expanded by edema, fibrin, multinucleated cells, macrophages, and lymphocytes.

Ancillary tests:

- 1) Ovine IgG (Blood): Trace <240mg/dl (2/4 fetuses)
- 2) *Toxoplasma gondii* Ab ELISA: Positive (2/2 fetuses)
- 3) *T. gondii* IHC in placenta: Positive
- 4) *Leptospira* sp. PCR and MAT, *Sarcocystis* sp IHC, *Neospora caninum* IHC, *Coxiella burnetii* ELISA, Pestivirus Serum Virus Neutralization, Bluetongue virus cELISA, and *Brucella ovis* ELISA: Negative

Diagnosis: Chorioallantois: Severe, multifocal, acute necrotizing placentitis; *Toxoplasma gondii* detected via immunohistochemistry (Figure 2)

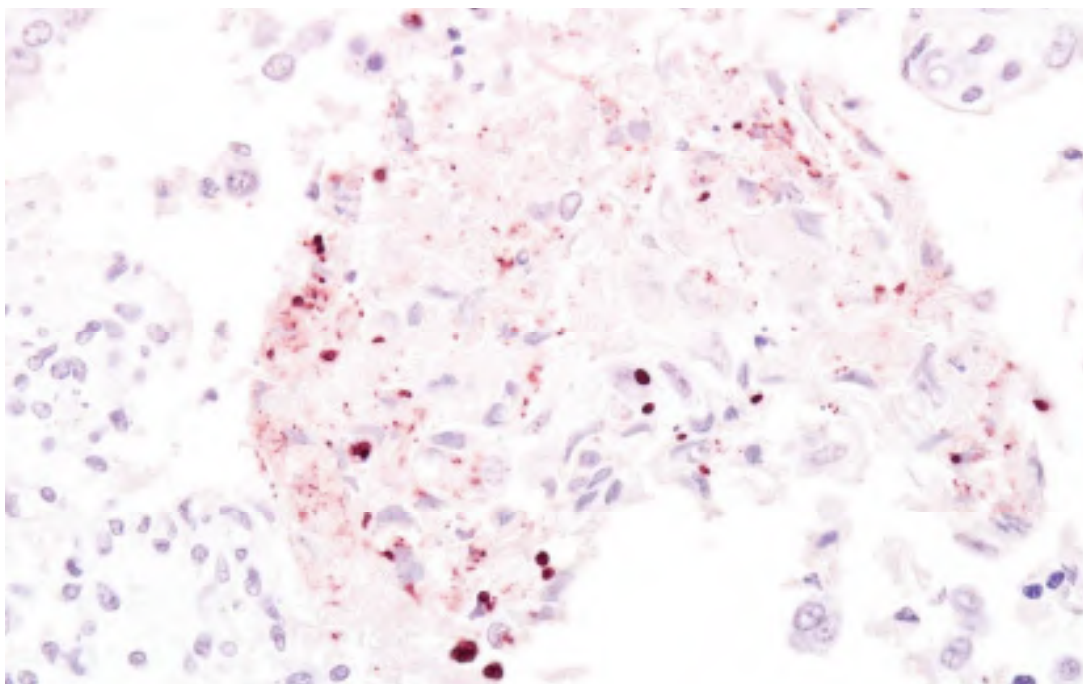


Figure 2: *T. gondii* immunohistochemistry, placenta. There is strong immunolabeling of ruptured and intact zootes within the necrotic focus.

WESTERN ROUND ROBIN CASE

Etiology: *Toxoplasma gondii*

Comments:

In countries with ovine production, *T. gondii* is a major cause of abortion not only in sheep but also goats. The life cycle of this protozoan apicomplexan involves domestic cats and other wild felids as definitive hosts (DH) and most warm-blooded animals as intermediate hosts (IH). Definitive hosts usually shed non-sporulated oocysts in the feces. The IH are infected after ingesting sporulated oocysts from the contaminated environment (Moeller, 2012). The transmission to the fetus is primarily vertical. Reproductive losses typically occur only when an ewe contracts a primary infection during pregnancy. When the infection occurs in early pregnancy, there is fetal loss and resorption, but when it happens between 50-120 days of gestation, it leads to abortion or the birth of weak stillborn lambs (Owen et al, 1998). The most important gross lesion is seen in the cotyledons, which have multifocal white necrotic foci while the intercotyledonary membrane is unaffected. These necrotic foci contain tachyzoites that are mostly seen with immunohistochemistry (Buxton and Finlayson, 1986; Owen et al, 1998).

Contributor:

Omar Gonzales Viera DVM, MSc, PhD, Dipl. ACVP

References:

- 1) Moeller RB Jr. Disorders of Sheep and Goats. 2021. Kirkbride's Diagnosis of Abortion and Neonatal Loss in Animals. Njaa BL Ed. Fourth edition. Wiley-Blackwell. 49-88.
- 2) Owen MR, Clarkson MJ, Trees AJ. 1998. Acute phase toxoplasma abortions in sheep. Veterinary Record. 142(18): 480-482.
- 3) Buxton D, Finlayson J. 1986. Experimental infection of pregnant sheep with *Toxoplasma gondii*: pathological and immunological observations on the placenta and foetus. J. Comp. Pathol. 96(3):319-333.

Click here to see the
slide in Noah's Slidebox

IDEXX CASECONNEXX CORNER

Signalment: 9-year-old female spayed Welsh Corgi dog

Source/ History: Patient presented for multinodular swelling within and surrounding right tarsus.

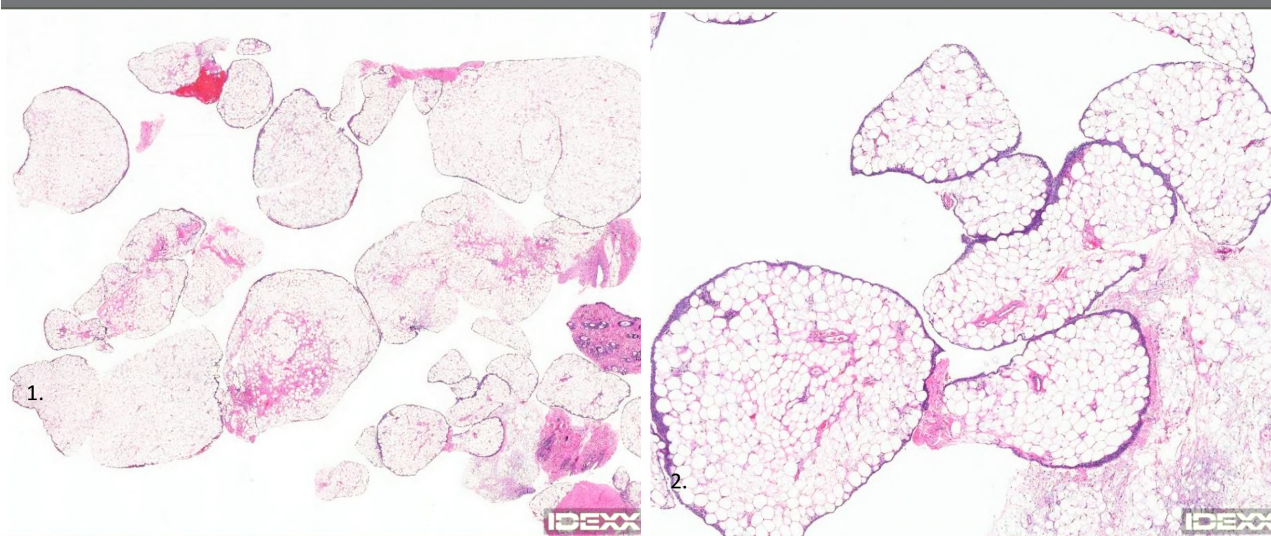


Figure 1. Incisional biopsies of articular tissues reveal abundant polypoid and arborescent lobules of well differentiated adipose tissue. **Figure 2.** Adipose tissue lobules are frequently lined by a thin but prominent layer of synovium.

Histopathologic Description:

Tarsus, right: These tissue samples consist primarily of broad polypoid to arborescent proliferations of well-differentiated adipose tissue supported by small amounts of collagenous stroma and lined by a thin layer of synovium. There is scant mononuclear inflammation scattered throughout the supporting stroma of the adipose tissue.

Interpretation:

Tarsus, right: Synovial lipomatosis

Comments:

Histopathology of these right tarsal tissue samples was consistent with synovial lipomatosis. Synovial lipomatosis is a rare, intra-articular, benign and non-neoplastic proliferation of well-differentiated adipose tissue of unknown etiology reported in dogs. It has also been reported in humans in which it is also referred to as lipoma arborescens. In humans, there is a consistent association with arthritic conditions and is therefore hypothesized to be a reactive response to chronic inflammatory or traumatic stimuli. A 2025 retrospective review of 188 canine synovial biopsies reported a prevalence of 2.1% (4/188) for cases of synovial lipomatosis. All affected dogs had either clinical or histological features of concurrent arthritis or subclinical synovitis (Kuroki et al., 2025).

Reference: Kuroki K, Dark K, Lattimer JC, Johnson GC. Canine synovial lipomatosis: Clinicopathologic findings and HGMA2 immunohistochemistry in 4 cases. *Veterinary Pathology*. 2025;62(3):300-304.

Case by
Luke Haydock, BVSc (Dist.), DVSc, DACVP



CaseConnexx

Visit CaseConnexx.com to Register

BSTP CORNER

Notice of Future Meetings

For up-to-date information on any events organized by the BSTP, please check the website – <https://www.bstp.org.uk/bstp-events/> or <https://www.bstp.org.uk/events/bstp-webinars-and-podcasts/>. Details of future meetings are correct at the time this booklet is generated, but the BSTP will not be held responsible for any changes to dates, topics and venues of these meetings.



Virtual Continuing Education Symposium 13: Lymphoid & Haematopoietic Systems

**Tuesday, Wednesday and Thursday
13.00 – 17.00 (GMT+1, London/UCT+1)**

CES 13 will be held over two weeks – on the afternoons of Tuesday 3rd, Wednesday 4th, Thursday 5th, Tuesday 10th, Wednesday 11th and Thursday 12th February 2026, from 13.00 – 17.00 (GMT+1, London/UCT+1) each day.

The upcoming Continuing Education Symposium will provide an in-depth exploration of the Lymphoid & Haematopoietic Systems. Topics to be covered include (but are not limited to):

- Immunobiology and functional anatomy of hematopoietic and lymphoid organs
- Proliferative and non-proliferative lesions of the hematolymphoid systems
- Enhanced histopathology of the lymphoid and hematopoietic systems
- Pathology and applications of mice with human immune system
- NAMs for immunotoxicity testing
- Clinical pathology including hematology data and bone marrow cytology evaluation in the context of safety studies
- Immunotoxicity testing in drug development
- Immunogenicity
- Overview of immunotherapeutics and determination of adversity for immunopathology findings

Two of the six afternoons of CES13 (second week) will be dedicated to Clinical Pathology, and the BSTP is offering a special separate registration for these two days. This is perfect for colleagues interested in clinical pathology who prefer not to attend the full symposium. Attendance to the Clinical Pathology Days is, of course, included in the full symposium registration.

For more information or to register visit: <https://www.bstp.org.uk/events/virtual-continuing-education-symposium-13-lymphoid-haematopoietic-systems/>

This symposium is being organised by Hg3 Conferences Ltd, if you have any queries, contact - events@hg3.co.uk

BSTP Webinars

Webinars are in preparation as joint events with other sister Societies. Keep checking the BSTP website for up-to-date information ([British Society of Toxicological Pathology](#)) and also check the group LinkedIn page.

BSTP CORNER

Future BSTP events are due to take place as follows:

CES 14: Musculoskeletal system and Skin

Dates: 7th-16th July 2026

Tuesdays, Wednesdays, Thursdays

Time: 13:00 – 17:00 (GMT+0, London/UCT+0/ET-5)

More details of the program will be uploaded early in 2026.

BSTP 41st Annual Scientific Meeting 2026: Of mice and men: synergy between veterinary and human pathology.

The general theme is translational pathology, including the work done by veterinary pathologists using human tissues/systems to understand disease and identify hazards.

November 2026, Cambridge, UK.

Non-BSTP Events

If you are interested in attending any events organized by other organizations, please visit:

<https://www.bstp.org.uk/non-bstp-events/>

If you would like details of any other events, including those on the BSTP website or publicized in the next 'Diary Dates' email, please send the information to the BSTP :
membership@bstp.org.uk

BSTP Contact Details:

British Society of Toxicological Pathology (BSTP) | PO Box 43 | 95 Mortimer Street

London | W1W 7GB | UK

Tel: +44 020 3627 1534

Email: membership@bstp.org.uk

Website: <https://www.bstp.org.uk>

LinkedIn: British Society of Toxicological Pathology

Registered Charity No: 1043793.

ESTP SURVEY

Dear colleagues,

On behalf of the **Humanized Mouse Model Working Group** of the European Society of Toxicologic Pathology "Pathology 2.0 Committee", we would like to invite you to participate in a **survey** aimed at pathologists working with humanized mice and genetically engineered mouse models (GEMMs).



The purpose of this survey is to gather insights into current practices in animal model characterization, with a particular focus on the contributions of veterinary pathologists.

All responses are anonymous. The findings will be summarized in a scientific manuscript, providing practical guidance and supporting best practices within the pathology community.

If you would like to engage further with our group, you will have the opportunity to share your contact details at the end of the survey or you can contact directly via email the group lead **Josep Monné** (josep.monne@roche.com).

We greatly appreciate your time and valuable input.

Best regards,

On behalf of the Humanized Mouse Model Working Group ESTP Pathology

Click here to
take the survey

SFAPV MEETING

CONTINUING EDUCATION

CYTOLOGY FOR ANATOMIC PATHOLOGISTS AND HISTOLOGY FOR CLINICAL PATHOLOGISTS : CORRELATIONS AND FOLLOW-UP BETWEEN CYTOLOGY AND HISTOLOGY

Annual training days in Pathology French Society of Veterinary Anatomic Pathology

In-depth training in canine and feline cytology for anatomical pathologists and histology for clinical pathologists. This training aims to correlate cytology for anatomic pathologists and histology for clinical pathologists, trainees, early-career pathologists and others. Topics include sample collection, slide preparation, and staining, followed by the general approach to a cytology and histology slide, including artifact, non-cellular "background", and difference in color between cytology and H&E stains. Examples of inflammatory, infectious and neoplastic lesions will be provided. The training will have with several case discussions.

PROGRAM (Course exclusively in English)

08:30 - 09:00 Welcome

DAY 1 - MORNING (9:00 – 12:00)

Lecture 1 Tips for cytology and histology sample collection and preparation

Practical workshop – case discussion 1

Lecture 2 Sensible and doable approach to cytology and histology:
Decision tree, normal, background and artefacts

DAY 2 - AFTERNOON (14:00 – 18:00)

Lecture 3 Neoplasia

Practical workshop – case discussion 2

Lecture 4 Inflammation - Infectious Diseases

Practical workshop – case discussion 3

SPEAKERS

Dr. Francesco Cian, DipECVCP (BattLab/LABOKLIN, Coventry, UK)
Dr. Roberta Rasotto (DWR Veterinary Specialists, Cambridgeshire, UK)
Dr. Nicolas Soetart, DipECVCP (LabOniris, Oniris, Nantes)
Dr. Edouard Reyes-Gomez (ENVA, Maisons-Alfort, France)

PEDAGOGICAL METHODS

Alternation of various teaching methods, adapted to the different skills to be acquired. Lectures will provide attendants/trainees with the necessary theoretical knowledge, while practical workshops will familiarize them with analytical and diagnostic techniques. Case discussions will also be offered, in order to encourage attendants/trainees to develop their analytical and synthesis skills.

EVALUATION METHODS

A formative evaluation will be carried out throughout the program to allow speakers/trainers to provide regular feedback to participants and help them progress in their learning. It will take the form of practical exercises, group discussions and MCQs.

Organizing Committee :
Jérôme Abadie (Oniris) / Laetitia Jaillardon (Oniris)
Nathalie Cordonnier (ENVA)
Anne-Laure Bauchet (SFAPV) / Ève Laloy (SFAPV)
Stéphanie Muller (SFAPV)

Contact registration:
Oniris vet school
Continuing Education Department

Registration : Save the date; registration opening soon



PEDAGOGICAL OBJECTIVES

At the end of the training, veterinary anatomical and clinical pathologists will be able:

- To know tips for cytology and histology sample collection and preparation
- To correctly diagnose cytology and histology specimens
- To know the correlations between gross, cytology and histology findings, to diagnose diseases, as well as the news and updates in cytology and anatomic pathology of dogs and cats
- To know how to interpret the results of cytological analysis and to correlate them with the results of histopathology.
- To write the report of the cytology and histology examination.
- To improve their knowledge in cytology and histopathology, complementary fields.



WHO ?

- Veterinarians specialized in anatomic pathology and in clinical pathology
- Veterinary Residents in Anatomic Pathology and in Clinical Pathology Training

EVENT DATES



15 September 2026



LOCATION

Oniris - Nantes (France)
Veterinary campus

REGISTRATION FEE

Regular rate
300 € Net of tax
Residents*

50€ Net of tax
*Resident attending the RESIDENT DAY **
25€ Net of tax

*valid proof at the time of registration

VALIDATION: Certificate of continuing education completion

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CALENDAR OF ACTIVITIES IN LATIN AMERICA

| Country | City | Event | Speaker | Subject | Date | Organizer |
|-------------------|----------------------|--|--|-------------------------------------|-----------------|-----------------------|
| Argentina | Córdoba | XIV Reunión Argentina de Patología Veterinaria | Don Meuten, Verena Affolter, Claudio Barbeito, Juan Micheloud, Francisco Uzal, others. | Multiple | Sept 22-26 | Renata Brizzio |
| Brazil | Cuiabá (Mato Grosso) | ENAPAVE | Amy Durham | Hematopoietic pathology | Sept 9-12 | Renato de Lima Santos |
| | Sao Paulo | IV Annual Latin American Roadshow | Brian Murphy | Oral and skeletal pathology | Sept 20-21 | Renee Amorim |
| Chile | Santiago | IV Annual Latin American Roadshow | Brian Murphy | Oral and skeletal pathology | Nov 17-18 | Federico Cifuentes |
| Colombia | Caldas | Seminario-Taller Colombiano | Raquel Rech, Henry Benavidez | Neuropathology | Oct 14-15 | Paola Barato |
| Costa Rica | San José | Curso Patología Forense | Carlos González | Forensic pathology | Aug 29-30 | Juan Diego Hidalgo |
| Ecuador | Quito | I Ecuatorian Seminar | Francisco A Uzal, Francisco R Carvalho | Digestive and respiratory pathology | Dec 8-9 | Francisco Cabrera |
| Guatemala | Ciudad de Guatemala | V Guatemalan Seminar | Javier Asin, Melissa Macias | Gross pathology of ruminants | July 27-28 | Deborah Rodríguez |
| México | Mexico city | IV Annual Latin American Roadshow | Brian Murphy | Oral and skeletal pathology | Nov 22-23 | Itzel Yañez |
| | On line | 5 th Necropsy Course | Laura Romero, Rubén López, Francisco Carvalho, María del Carmen Carmona, Alfredo Pérez, Diana Galván, Mario Bedolla, Luis García, Elizabeth Rodríguez, Mireya Juárez, Vicente Ávila, Carlos González, Elizabeth Morales, Félix Sánchez | Gross lesions in animals | Apr 20 - May 14 | Rubén López |
| Nicaragua | Managua | Global Health Pathology Network + III meeting of the Nicaraguan division | Javier Asin, Melissa Macias, Francisco Carvalho | Multiple | Feb 20-22 | Cristina Toledo |
| Uruguay | Montevideo | 11 th Meeting of the Uruguayan Division | Marti Pumarola, Fabiano Sant'Ana | Veterinary Neuropathology | Jun 23-24 | Jose Manuel Verdes |
| Venezuela | Barquisimeto | III Annual Meeting of the Venezuelan Division | Santiago Teyssandier, Rebeca Reyes, Pablo Manzuc, Javier Dlujnewsky, Antonio Rodríguez Bertós | Dermatopathology of dogs and cats | Nov 21-22 | Yaritza Salas |

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LCPG Externship Experience Report

by Constanza Andrea Rodríguez Latorre

Dear LCPG Awards Committee,

I am writing to express my sincerest gratitude to the Latin Comparative Pathology Group (LCPG) for the financial support provided, which made my externship at the Department of Pathology of the Virginia-Maryland College of VTMed at Virginia Tech possible. This experience has been fundamental to my professional and academic development.

During my stay, I immersed myself in the daily activities of the service, working closely with the pathology team. I worked extensively with my mentor, Dr. Francisco Carvallo, and had the invaluable opportunity to learn from Dr. Santiago Diab and Dr. Thomas Cecere.

My activities included active participation in necropsy rounds involving multiple species, including equines, bovines, alpacas, swine, companion animals, and even non-conventional cases such as a penguin. This refined my macroscopic interpretation skills. Furthermore, my rotation through the biopsy service was highly enriching. Under Dr. Cecere's tutelage, I practiced reading slides and drafting histopathology reports, while case review sessions with Dr. Diab were crucial for exercising my diagnostic eye.

A notable achievement of this externship was scientific productivity. During my stay, I was able to draft a manuscript on a case of canine disseminated neoplasia, which will soon be submitted to the *Journal of Veterinary Diagnostic Investigation*, and another on pulmonary amyloidosis, which has already been accepted in the *Brazilian Journal of Veterinary Pathology*.

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I would like to extend a special thank you to my mentor, Dr. Francisco Carvalho, for his invaluable guidance throughout this process. I also thank Drs. Diab and Cecere for their dedication to my learning, and very specially, the entire team of anatomic pathology residents, who warmly welcomed me and integrated me into their work group from day one.

I return to Universidad Austral de Chile with new diagnostic tools, manuscripts in progress, and a network of professional contacts that will undoubtedly make a difference in my future career as a veterinary pathologist.



Constanza & Dr. Carvalho



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Latin Comparative Pathology Group (LCPG) Session at the Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians (AAVLD) in Denver, Colorado

by Drs. Melissa Macías and Francisco Uzal

For many years, the LCPG (Latin American Division of the Davis-Thompson Foundation) has held a scientific session during the Annual Meeting of the American College of Veterinary Pathologists. This year, for the first time, the LCPG held a similar session at the 2025 Annual meeting of the AAVLD in Denver, Colorado, on Saturday November 1. The session was organized and chaired by Dr Melissa Macías and, despite the early hour (7 am!), the session drew a full room of more than 100 enthusiastic attendees, who listened mesmerized while Dr. Roger Ramírez (Virginia-Maryland College of Veterinary Medicine, Virginia Tech), delivered a captivating presentation titled *“The new world screwworm and its unwelcome return.”*

Given the utter success of this first session, this LCPG activity at AAVLD is here to stay! For next year, the organizing committee also announced, in addition to the keynote speaker, the opening of abstract submissions for oral presentations, an initiative aimed at promoting a safe and friendly environment for trainees to present. Stay tuned for more information.



Dr Macías & Dr Ramírez

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Colombian 2025 DTF/LCPG Seminar and Workshop on Veterinary Neuropathology

by Dr. Paola Barato

On October 14 and 15, 2025, the Davis-Thompson Foundation (DTF), the Latin Comparative Pathology Group (LCPG), and a consortium of Colombian universities and veterinary organizations partnered to host the Colombian Seminar and Workshop on Veterinary Neuropathology at Universidad de Caldas in Manizales, Colombia. Co-organizing institutions included the Universidad de Caldas (Manizales, Caldas), Universidad de Antioquia (Medellín, Antioquia), Universidad Nacional de Colombia (Bogotá D.C.), Universidad Nacional Abierta y a Distancia (Tunja, Boyacá), Universidad de Nariño (Pasto, Nariño), Universidad Juan de Castellanos (Tunja, Boyacá), Universidad San Martín (Puerto Colombia, Atlántico), Universidad Unilasallista (Medellín, Antioquia), Universidad Corhuila (Neiva, Huila), Universidad Pedagógica y Tecnológica de Colombia (Tunja, Boyacá), the Colombian Association of Veterinary Pathologists (ACPAVET) and CORPAVET. The event welcomed 110 veterinary students and professionals from private practice, academia, and government sectors, representing four countries: Colombia, Ecuador, Peru, and Venezuela.

Dr. Henry Benavides (Clínica Dover) opened the seminar with a two-hour lecture on the clinical approach to cerebral tumors in domestic animals, highlighting the correlation between clinical signs and advanced diagnostic imaging in small animal brain tumors. Dr. Raquel Rech from Texas A&M University led a comprehensive session on central nervous system (CNS) examination, using diagnostic cases to illustrate key aspects of macroscopic and histologic evaluation, approaching the cases from outside of the cranial cavity to inside/slicing the brain for diagnosing major CNS diseases in both small and large animals.

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On the second day, 45 participants engaged in a hands-on, three-hour practical session focused on techniques for brain extraction using bovine and canine head specimens. The session included instruction on using a hatchet for skull opening in field necropsy conditions, followed by a review of neuroanatomical landmarks and disease gross patterns affecting different brain regions. Dr. Hernando Guzmán demonstrated rabies sampling procedures in accordance with Instituto Colombiano Agropecuario (ICA, the national animal health authority). The fees for rabies vaccination were covered for workshop participants. The program also featured a diagnostic slide discussion, where attendees volunteered to describe histologic changes and discuss morphologic diagnoses and pathogenesis of CNS diseases.



Colombian Workshop in Veterinary Neuropathology, October 14 and 15, 2025, in Universidad de Caldas, Manizales, Colombia. **A.** Participants of the workshop. **B.** Participants of the practical session followed the guide of anatomical macroscopy of the brain. **C.** Prof. Rech is explaining the dissection of the bovine brain **D.** Participants in the discussion of slides from diagnostic cases. **E.** Participants of the practical session taking samples from the rete mirabilis, hippocampus, and trigeminal nerve.

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Prof. Raquel Rech and Dr. Henry Benavides were praised for their expertise, clarity, and engagement. Dr. Rech received exceptional recognition for her professionalism, personal warmth, and the outstanding quality of the educational materials provided. Participants found the topics enriching, with particular appreciation for the practical components. The seminar was noted for its excellent organization and punctuality. Proceeds from registration fees were used to purchase tools and materials for the Faculty of Veterinary Medicine at Universidad de Caldas, supporting pathology education in Colombia's central region.

The workshop received overwhelmingly positive feedback. While the need for further educational opportunities remains, initiatives like this represent a meaningful step forward in advancing veterinary pathology across Latin America. Thank you to all participants, co-organizing institutions, organizing committees, and the DTF/LCPG for making this experience so enriching and successful!

Review Seminar Series in Spanish: Description of neoplasms (Joaquín Ortega)

by Dr. Nicolas Streitenberger

On November 20, we hosted an engaging session on the histopathologic description of neoplasms, and we hope everyone enjoyed the fantastic content presented by Dr. Joaquín Ortega. His remarkable ability to break down difficult concepts into clear, accessible explanations made the session especially valuable for participants. Thank you, Joaquín! We were delighted to welcome approximately 70 attendees to the event.



Our sincere thanks also go to Drs. Rafaela DeNegri and Agustín Rebollada Merino, as well as the Davis-Thompson Foundation Webinar committee for their essential support in making this Seminar possible.

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3rd Venezuelan Seminar of the Davis-Thomson Foundation and the Latin Comparative Pathology Group

by Dr. Yaritza J. Salas

The 3rd Venezuelan Seminar of the Davis Thompson Foundation (DTF) and the Latin Comparative Pathology Group (LCPG) was held on November 21-22, 2025, within the framework of the 2nd Venezuelan International Symposium on Veterinary Medicine, organized by VETLAB (Drs. Ysabel Márquez, Nyurky Matheus, María Forlano, José Angulo), VETPLUS (Dr. Luís Ruíz), MEDIVEB (Lic. Luís Gil), and ANIMAL PATH (Drs. Adelys Márquez y Yaritza Salas). The meeting was held in the city of Barquisimeto, the musical capital of Venezuela and home to the Central-Western University “Lisandro Alvarado”, and brought together more than 180 participants from different parts of the country.

The Symposium featured nationally renowned speakers: Drs. Javier Dlwjnesky and Rebeca Reyes, distinguished representatives of Veterinary Medicine in Venezuela; and from abroad: Drs. Santiago Teyssandier and Pablo Manzuc (Argentina), and Antonio Rodríguez Bertos (Spain). Despite the challenging situation of Venezuela these colleagues attended the Seminar, demonstrating a strong professional and personal commitment by sharing their experiences, knowledge, and scientific perspectives on the diagnosis, management, and resolution of the most common dermatologic problems in dogs and cats with Venezuelan veterinarians and trainees.

The speakers, with their immense charisma, delighted the attendees, efficiently conveying their knowledge thanks to the high level of their presentations. Dr. Santiago Teyssandier spoke about non-pruritic alopecia, hypothyroidism, and feline endocrinopathies; Dr. Pablo Manzuc presented on atopic dermatitis, skin cytology, and cutaneous patterns in felines; Dr. Dlwjnesky and Rebeca Reyes presented on the use of antimicrobials and electrochemotherapy, respectively;

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and Dr. Antonio Rodríguez Bertos lectured on immunopathology, the most frequent skin tumors, histiocytoma, plasmacytoma, mast cell tumor, and epitheliotropic and non-epitheliotropic lymphomas in dogs and cats. Dr Rodríguez Bertos closed the event with a wonderful presentation on leishmaniasis in cats. We thank the DTF, the LCPG and especially Dr. Francisco Uzal for believing in the Venezuelan pathologists and for their help and support towards the great success of this 3rd Venezuelan Seminar. Training activities such as this are essential for maintaining the academic progress of Veterinary Pathology in our country, ensuring that Latin America maintains a high international academic standard.



Members of the Organizing Committee during the closing ceremony of the Seminar. From Left to right: Drs. Luís Ruíz, Adelys Márquez, Yaritza Salas, Ysabel Márquez, Luís Gil and Nyurky Matheus.



Audience listening attentively, during the Seminar of the DTF at the Hotel Trinitarias Suites, Barquisimeto, Lara, Venezuela.

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Speakers and some members of the Organizing Committee during the 1st day of the Seminar. From left to right Drs María Forlano, José Angulo, Adelys Márquez, Pablo Manzuc, Rebeca Reyes, Antonio Rodríguez Bertos, Ysabel Márquez, Santiago Teyssandier, Javier Dlwjnesky and Yaritza Salas.



Dr. Antonio Rodríguez Bertos closing his presentation during the DTF-LCPG seminar

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DVM, MSC, PhD, DACVP



Francisco Carvallo
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Francisco Cabrera
MV, MSC, PhD



Universidad San Francisco de Quito
Teatro Calderón de la Barca



\$ 25 - 100



en persona

[Click here to register](#)

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Seminar Series in Spanish 2025

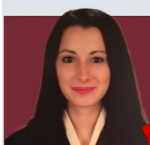


Seminarios en español 11:00am-12:30pm CDT



Intoxicaciones por plantas y micotoxinas en rumiantes

Franklin Riet-correa DVM, MSc, PhD



Patología en signátidos: caballitos de mar, dragones de mar y peces pipa

nuevo horario
12 pm

Estefanía Montero Cortijo DVM, PhD



Patología ósea

Fernando Dutra DVM, MSc



Patologías orales en perros y gatos. Enfoque clínico

nuevo horario
12 pm

Suanúa Serrano García DVM



Descripción histopatológica de neoplasias

Joaquin Ortega, DVM, PhD, DACVP



Diagnóstico de diarreas en rumiantes

Paco Uzal DVM, MSc, PhD, Dipl. ACVP

Registration for individual sessions is
available on the website

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RONDAS DE HISTOPATOLOGÍA DEL LCPG 2025-2026 10:30 - 11:30 CT



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Dic
18



Casos variados de sistema gastrointestinal
Francisco Uzal, DVM, MSc, PhD, DACVP
en español



Casos variados
Melissa Macias, DVM, MPVM, PhD, DACVP
en español



Casos variados
Rafaela de Negri, DVM, MSc
em Português



Casos variados
Paola Barato, DVM, PhD
en español

Enero
15



Casos variados
Moderator TBD
em Português

Feb
19



Casos variados
Mariano Carossino, DVM, PhD, DACVP, DACVM
en español

Marzo
19



Casos de Rotina
Felipe Pierezan, DVM, MSc, PhD, DACVP
em Português

Abril
16



Casos Misceláneos
Javier Asin, DVM, PhD, DECVP
en español

Mayo
21



Casos variados
Mayane Facin, DVM, PhD, DACVP
em Português

Junio
18



Casos variados
Federico Cifuentes, MV, PhD, DACVP
en español

Julio
16



Casos variados
Ileana Miranda, DVM, MSc, DACVP
em Português

Registration for individual sessions is
available on the website

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**PESQUISA
VETERINÁRIA
BRASILEIRA**
Brazilian Journal of
Veterinary Research
ISSN 0100-736X (Print)
ISSN 1678-5150 (Online)



Highlighted article

Pesq. Vet. Bras. 45:e07759, 2025
DOI: 10.1590/1678-5150-PVB-7759

Topic on General Interest
Livestock Diseases



Reflections on the tragedy of horse feed contamination by monocrotaline in Brazil¹

Fábio S. Mendonça^{2*} , Vivian Palmeira³ , Daniel G. Ubiali^{4*} ,
Kezia S. Carvalho⁵ , Daniel Cook⁶ , Dale Gardner⁶ , Franklin Riet-Correa⁷ 

ABSTRACT.- Mendonça FS, Palmeira V, Ubiali DG, Carvalho KS, Cook D, Gardner D, Riet-Correa F. **Reflections on the tragedy of horse feed contamination by monocrotaline in Brazil.** *Pesquisa Veterinária Brasileira* 45:e07759, 2025. Laboratório de Diagnóstico Animal, Universidade Federal Rural de Pernambuco, Rua Dom Manoel de Medeiros, Dois Irmãos, Recife, PE 52171-900, Brasil. E-mail: fabio.mendonca@ufrpe.br, danielubiali@ufrj.br

This article reports the largest equids' mortality from poisonous plants ever recorded worldwide, caused by contamination of a commercial horse feed with *Crotalaria* sp. seeds. Hundreds of horses died across multiple regions of Brazil, characterizing an epizootic, economic, and social crisis of unprecedented magnitude. We describe the clinical and pathological findings, the epidemiological investigation, and the rapid response achieved through cooperation between veterinary diagnostic laboratories and the Brazilian Ministry of Agriculture and Livestock. Beyond the clinicopathological characterization of pyrrolizidine alkaloid poisoning, we also discuss the associated animal and human suffering and estimate direct and indirect economic losses exceeding US\$7 million. Losses included mortality, treatment of affected animals, necropsies, and impacts on sectors linked to the equine industry. Finally, we underscore the importance of differential diagnosis, systematic necropsy procedures, and sample collection for laboratory testing. This feed contamination catastrophe highlights the urgent need for technical managers and quality control professionals to take a leading role in ensuring the safety and traceability of animal feed production.

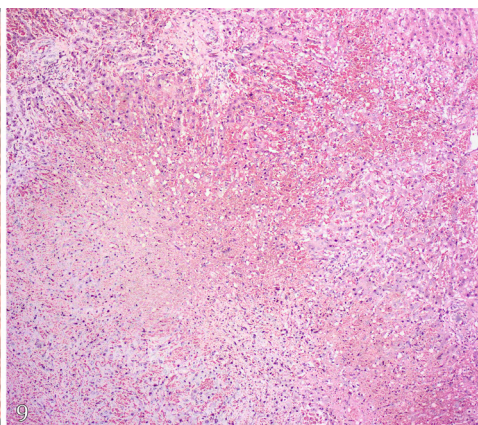
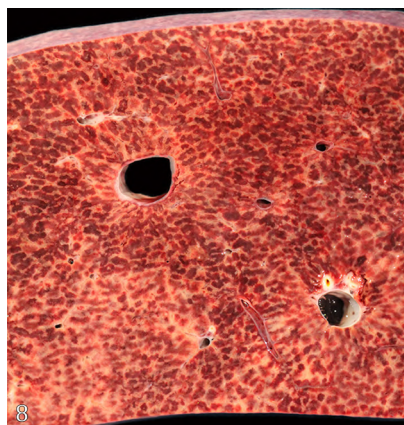
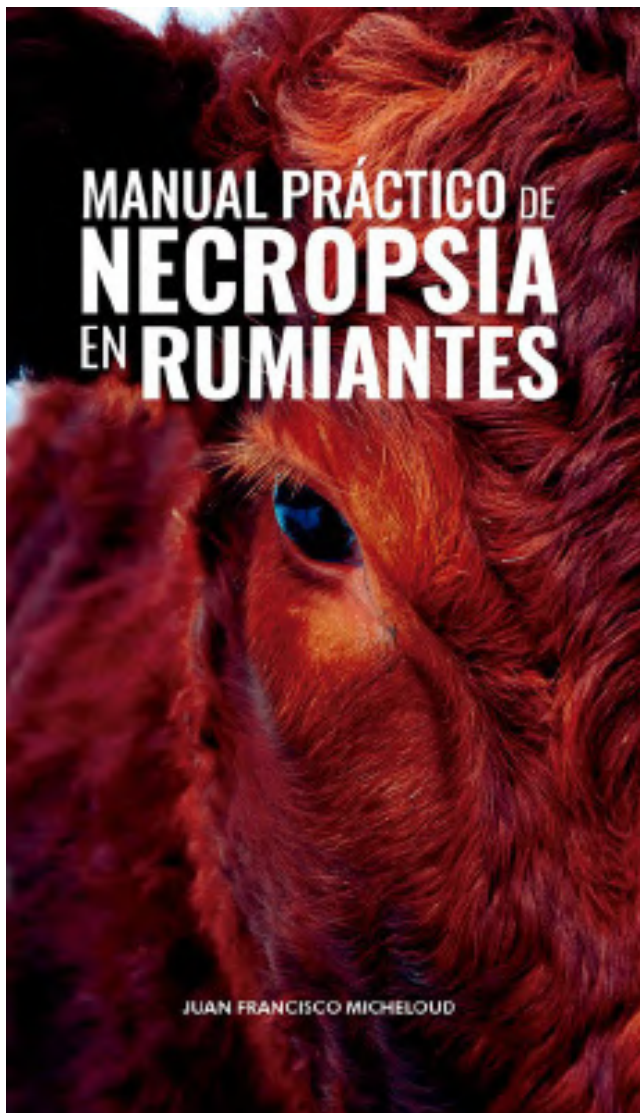


Fig. 8-9. Monocrotaline poisoning in horses, Porto Feliz/SP, July 2025. (8) Liver cut surface showing enhanced diffuse lobular pattern. (9) Histologically, acute centrilobular to massive hepatocellular necrosis was observed, HE, obj. 40x.

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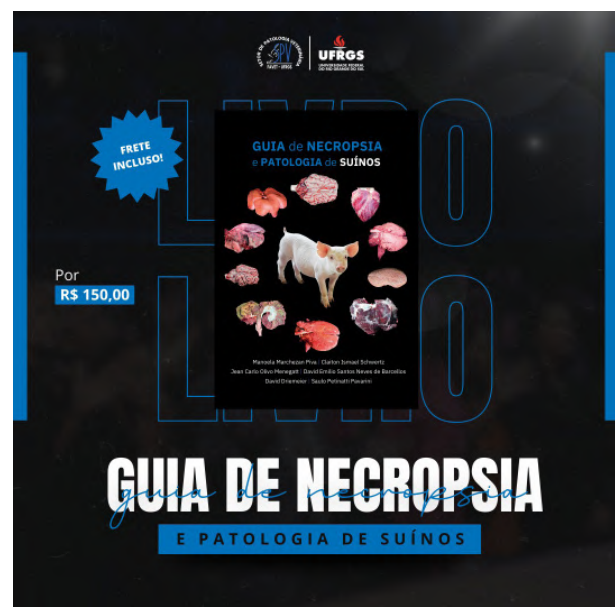


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GHPN SCHOLARSHIPS



DTF-GHPN Education Scholarship For Select DTF On-Line and/or Course Material



Background. The Global Health Pathology Network (GHPN), under the umbrella of the Davis-Thompson Foundation (DTF) for Veterinary Pathology, conducts workshops in resource-constrained settings focused on enhancing veterinary diagnostic abilities using interactive educational modalities and adult learning principles. In part, the success of the GHPN training workshops is built on the successes of in-country veterinary pathologists and professionals in various locations worldwide. Consequently, to expand the sphere of the network through the development of capable, motivated professional cadre, the GHPN recognizes the importance of practicing professionals to have the opportunities for continued professional development.

Objective. Through GHPN's alignment with the DTF, the DTF will offer up to 10 educational scholarships to attend select DTF on-line courses and/or have access to the course material at no-cost.

Application Criteria.

This scholarship is geared toward professionals without access to traditional residency training programs.

All applicants must prepare a 2-3 paragraph statement (no more than 300 words) addressing the following:

- Biographical information to include current work or academic history;
- Reason(s) for applying for the DTF educational scholarship;
- If awarded, the applicant's willingness to host a future GHPN workshop in his/her country.

GHPN SCHOLARSHIPS

Selection procedures and policies. GHPN leadership will screen all applications and submit the qualified applicants to the DTF for recommendation and final approval. Scholarship selection is based on the assessment of the applicant's statement and will be determined based on several factors to include relevant background, aptitude, training and mentorship abilities in veterinary pathology and animal health. The applicant's current location of employment and/or training will also be considered to ensure equitable distribution of scholarship opportunities in the given year. Applicants should send applications 30-60 days prior to the beginning of the course to allow for adequate review of the application. A list of upcoming and/or recurring select courses can be found under "Events" tab on the DTF website: <https://davisthompsonfoundation.org/>

Application Procedures Questions and Answers:

Q: Where and when are applications available/due?

A: Open registration; applications can be received at any time

Q: Where should applications be sent?

A: A signed PDF or word document paragraph statements are sent to GHPathNetwork@gmail.com

Q: What additional information/documents must accompany the application?

A: None; the signed paragraph statement is the only item required

Q: How and when will the scholarship award winners be notified?

A: Award winners will be notified via electronic correspondence sent to the email address in the paragraph statement

Q: When can the educational scholarships to attend select DTF on-line courses and/or have access to the course material be used?

A: Once awarded, the scholarship can be used at any time over a 365 day period from the date at which the scholarship is awarded.

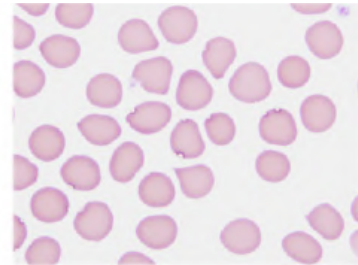
Any additional questions regarding the DTF-GHPN educational scholarships and/or the GHPN general can be submitted to GHPathNetwork@gmail.com

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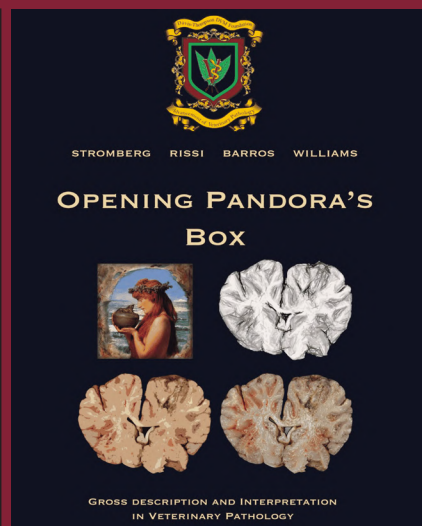
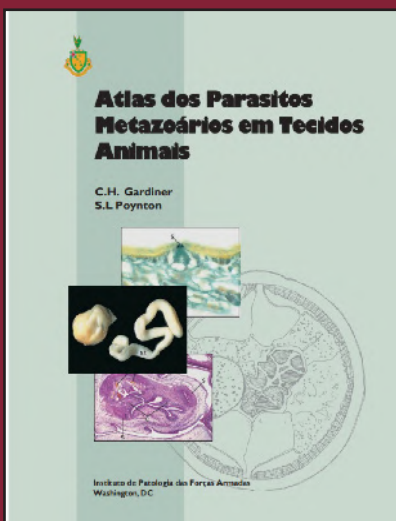
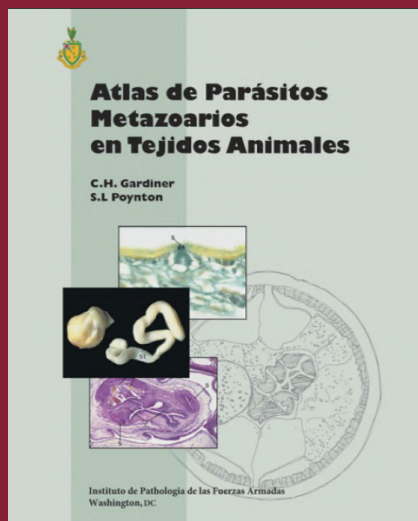


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Davis-Thompson Foundation Pathology Externship

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.



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