



**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

March

VOL. 55



What is the most common type of chromatophore in Siamese fighting fish (*Betta splendens*)?

- A. Melanoma
- B. Xanthophore
- C. Cyanophore
- D. Iridophore

INSIDE THIS ISSUE

MONTHLY COVER IMAGE WINNER:
Jeann Leal, DVM, MSc, PhD
 Assistant Professor
 Laboratório de Medicina da Conservação
 Universidade Federal da Paraíba, Brazil
Answer: D. IRIDOPHROMA

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

-Dr. Katherine D. Watson - Cover Image Editor

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

- | | | | |
|-----------|---------------------------|-----------|-----------------------------|
| 3 | Message from the CEO | 16 | Just in Time Mock Exams |
| 4 | JVDI in Focus | 17 | European Division Symposium |
| 6 | Diagnostic Exercise | 18 | Racehorse Necropsy Workshop |
| 9 | Racehorse Workshop Review | 19 | Western Round Robin Case |
| 11 | Northeast Conference | 22 | ASVP CORNER |
| 12 | West Coast Conference | 23 | IDEXX CaseConnexx Corner |
| 13 | CLASS & POLA | 24 | LCPG Corner |
| 14 | CLIIC US | 33 | GHPN Scholarships |
| 15 | CLIIC UK | 35 | Miscellaneous Announcements |

CEO & CHAIRMAN OF THE BOARD

FRANCISCO A. UZAL, DVM, MSc, PhD

PRESIDENT

JEY KOEHLER, DVM, PhD

TREASURER

BRUCE H. WILLIAMS, DVM

ASIN, JAVIER

AUTRAN, RACHEL

BRAYTON, CORY

BRICE, ANGELA

BRITT, JAMES

CARREIRA, VINICIUS

CARVALLO, FRANCISCO

CHAPMAN, JENNIFER

CORBIN, EMILY

CRAIG, LINDEN

DARK, MICHAEL

DE NEGRI, RAFAELA

DEL PIERO, FABIO

DOLENSEK, TAMARA

FIDDES, KELSEY

GENDRON-FITZPATRICK, ANNETTE

JEONG, KYU-SHIK

LANGOHR, INGEBORG

LOMBARDINI, ERIC

LYLE, TIFFANY

MCINNES, ELIZABETH

MCMAMARA, TRACEY S.

MÍRA, MÁNDOKI

OJOK, LONZY

PESAVENTO, PATTY

PRIESTNALL, SIMON

RAC, VLADISLAVA S.

ROSS, TONY

SLAOUI, MOHAMED

STROMBERG, PAUL

ZADOK, RUBEN

MESSAGE FROM THE CEO

Dear colleagues

It is an honor to share with you the March issue of the Davis-Thompson Foundation's newsletter, with the compliments of our outstanding managing editors, Jeann Leal and Javier Asin. Thank you, Jeann and Javier.

As the year progresses, we have more and more training opportunities to offer all over the world. Please peruse the pages of this newsletter and/or our website for details and registration.

We know that many of our members are experiencing anxiety about the degree of uncertainty in the world right now. In times of turmoil, which have happened many times before in many countries all over the world, it is important to find our common humanity and stay true to our core values. The Foundation has always and will always remain true to its mission, which is to provide high-quality free and low-cost educational resources to support all trainees and pathologists all over the world. Sometimes when we feel unsure of the future, the best thing is to reach out and help someone else. We thank our many hard-working volunteers who give of their time, talent, and energy to make our little corner of the world a better place.

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

Warm regards

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



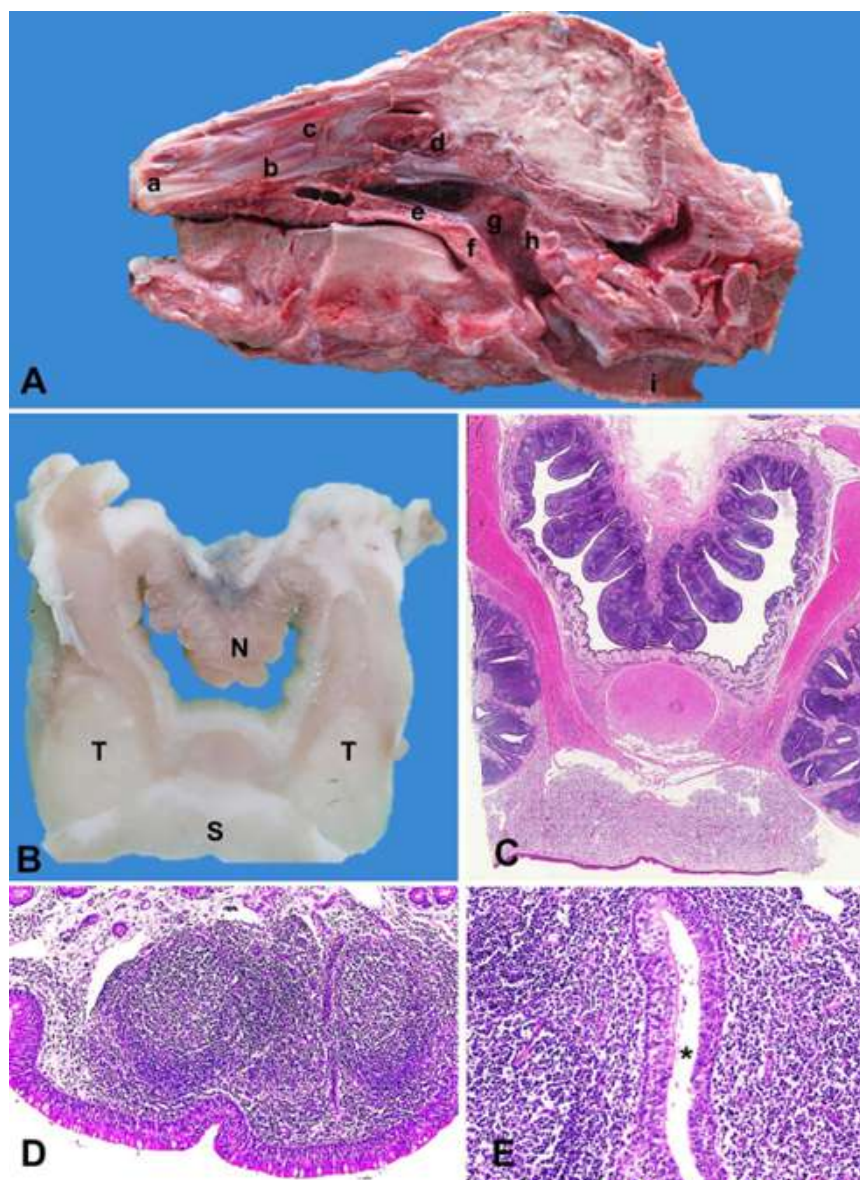
JVDI IN FOCUS

Our March focus is an article appearing in the March issue: **“Detection of bovine respiratory disease complex–related pathogens in nasopharynx-associated lymphoid tissue”** by Asmaa A. Hegazy, Mutsumi Nakai, Naoyuki Fuke, Amaal E. Hussein, Hiroaki Kondo, Takuya Hirai.

J Vet Diagn Invest 2025;37(2). <https://journals.sagepub.com/doi/abs/10.1177/10406387251318415>

Bovine respiratory disease complex (BRDC) is a multi-etiological disease that significantly impacts the cattle industry. Nasopharynx-associated lymphoid tissue (NALT) is the nasal mucosal immune system that protects against various pathogens; however, reports on its pathology are limited. We compared the pathologic impact of BRDC-related viruses on the NALT and lungs of 10 pneumonic and 3 negative control Japanese black (JB) calves. Three bovine viral diarrhoea virus (BVDV) persistently infected Holstein calves were examined as positive control; all 3 calves had BVDV in situ hybridization (ISH)-positive signals in NALT follicular macrophages and lymphocytes, suggesting viral replication in these cells. NALT and lungs of pneumonic JB calves had weak-positive BVDV results in PCR and negative results in ISH, indicating late-stage transient BVDV infection. The finding of BVDV in unvaccinated pneumonic JB calves confirmed the involvement of a BVDV field strain. PCR detection of bovine coronavirus (BCoV) and bovine respiratory syncytial virus (BRSV) in NALT along with ISH BCoV-positive signals in NALT epithelial cells confirms infection by those viruses. Pneumonic JB calves had nasopharyngitis and pneumonia, with the same bacteria present in nasopharyngeal swabs and lungs, indicating that, in these animals, the bacteria proliferating in the nasopharynx probably migrated to the lungs via inhalation. BVDV transient infection in the NALT may induce local immunosuppression; BCoV and BRSV infections are thought to damage epithelial cells, facilitating bacterial infection of the NALT and lungs. Our results confirm that bovine NALT is a location for viral replication and may be associated with BRDC development in cattle.

JVDI IN FOCUS



Figures 1. Bovine nasopharynx-associated lymphoid tissue (NALT). A. Anatomic location of the NALT in a midsagittal section of a calf head. a = nose; b = ventral turbinate; c = dorsal turbinate; d = ethmoturbinate; e = hard palate; f = soft palate; g = nasopharynx; h = NALT; i = trachea. B. Macroscopic cross-section of bovine NALT. The NALT (N) is a cauliflower-like structure in the nasopharyngeal lumen. S = soft palate; T = tonsils of the soft palate. Negative control, calf 11. C. Histologic section of NALT. H&E. D. Lymphoid follicle located beneath the follicle-associated epithelium. H&E. E. NALT crypt (asterisk) lined with stratified columnar epithelium. Negative control, calf 11. H&E.



DIAGNOSTIC EXERCISE



Case #: 152; **Month:** January; **Year:** 2025

Contributors: Luís Antônio Scalabrin Tondo¹, Bianca S. de Cecco¹, Nanny Wenzlow¹

¹Louisiana Animal Disease Diagnostic Laboratory, Louisiana State University, LA, Baton Rouge, USA.

Clinical History: A twelve-year-old spayed female cat presented with lethargy and dehydration. Severe pleural effusion was identified during thoracic cavity TFAST ultrasound. Samples of the effusion were submitted for cytology evaluation, and lymphocytic effusion with long-chained rods was diagnosed. The cat stayed hospitalized for 4 days, and despite treatment, the cat died. The other five cats within the same household presented similar clinical signs. The cat was submitted for post-mortem evaluation.

Gross Findings: At necropsy, the cat was in a thin body condition. The thoracic cavity contained approximately 20ml of orange to red viscous fluid (Figure 1). The pleural surface of the lungs was completely opacified by intense fibrin deposits. The right cranial lobe had multifocal to coalescing brown-tan adhesions on the outermost surface, and the right caudal lobe had a firm consistency, besides a depressed, dark red with a yellow rim 1.3 cm area (Fig. 2).

Microscopic Findings: Microscopically, approximately 60% of the pulmonary parenchyma was markedly infiltrated by neutrophils, viable and degenerate, fibrin deposits, hemorrhage, cellular debris, and few lymphocytes and macrophages with golden to brown intracytoplasmic granules (Fig. 3). Large colonies of rod-shaped bacteria were admixed with the inflammatory cells (Fig. 4). The interstitial blood vessel walls were replaced by bands of eosinophilic and fibrillar material surrounded by neutrophils (fibrinoid vasculitis) (Fig. 5), frequently occluded by fibrin thrombi. The pleura

*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/>).



DIAGNOSTIC EXERCISE



was severely expanded by thick bands of fibrin, cellular debris, neutrophils, and bacteria colonies.



FIGURE 1



FIGURE 2

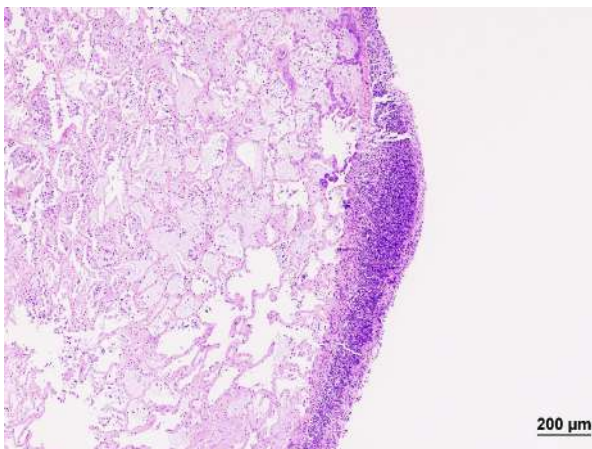


FIGURE 3

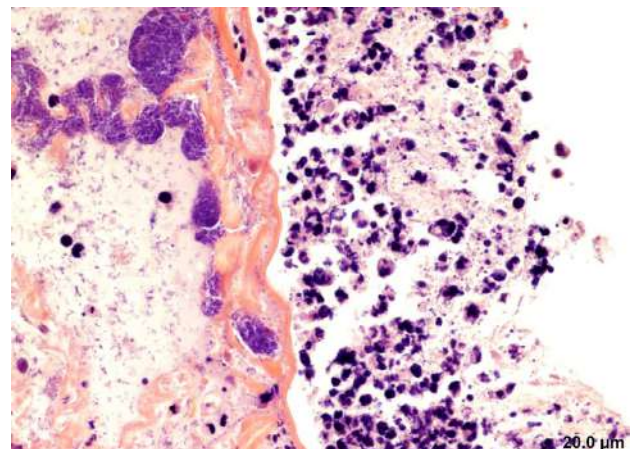


FIGURE 4

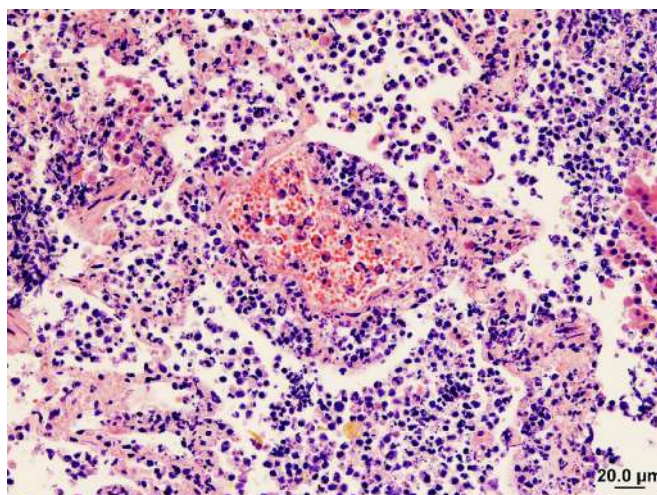


FIGURE 5



DIAGNOSTIC EXERCISE



Follow-up questions:

- *Morphologic diagnosis*
- *Possible etiological agents*

Associate Editor for this Diagnostic Exercise: Saulo Pavarini

Editor-in-chief: Claudio Barros

[Click here for answers](#)

RACEHORSE WORKSHOP REVIEW

Iowa Davis-Thompson Foundaton & Horse Integrity and Safety Authority Racehorse Necropsy Workshop

by Dr Francisco Uzal

The Horse Integrity and Safety Authority (HISA) in conjunction with the Davis-Thompson Foundation (DTF) and Iowa State University (ISU), sponsored a Racehorse Necropsy Workshop at ISU on Feb-ruary 27-28. The workshop was attended by veterinary pathologists, residents and equine clinicans from ISU. Lecturers included Sue Stover, Karen Hassan, Carlos Schild, and Francisco Uzal. A fantastic group of volunteers worked in the background to make this seminar a total success; these included Amanda Fales-Williams, Supun Dissanayake, Amanda La-Coco, Krista Hibbs, Meridith Rhea, Marta Aleman and Heather Wolird.

This hands-on event provided expert guidance detailing racehorse anatomy, pathology, and the factors that affect racehorse health and performance. Participants discovered and discussed the critical steps in diagnosing racehorse health issues from gross examination of pathological specimens.

This workshop is part of the efforts that the DTF is doing to support the recently established mandate for all accredited racetracks in the US to perform post-mortem examinations of racehorses.

RACEHORSE WORKSHOP REVIEW



Fig 1. Dr Carlos Schild demonstrating anatomy of the equine limb.



Fig 2. Participants and lecturers of the racehorse necropsy workshop.

NORTHEAST CONFERENCE



Davis-Thompson
Foundation

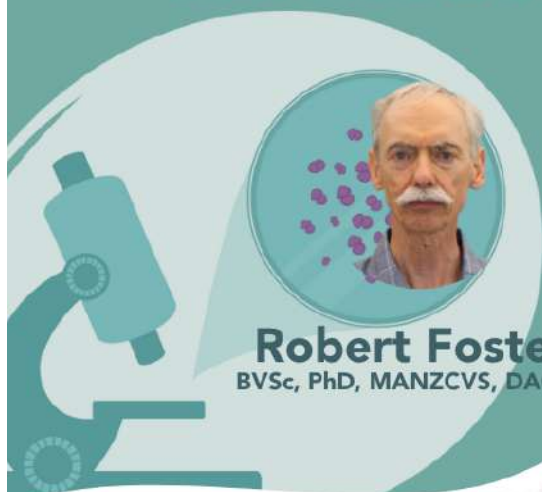
NORTHEAST VETERINARY PATHOLOGY CONFERENCE



Smithsonian
National Zoological Park
Conservation Biology Institute

APRIL 25-26, 2025

REPRODUCTIVE PATHOLOGY



Robert Foster
BVSc, PhD, MANZCVS, DACVP

Submit slides by 3/28 

\$50 (non-presenting) 

In-person 



Course director
Anna-Maria Travis
DVM, MPA, DACVP



**Smithsonian National Zoological Park & Conservation
Biology Institute, Washington, D.C.**

[Click here to register](#)

WEST COAST CONFERENCE



Davis-Thompson
Foundation




UC DAVIS
VETERINARY MEDICINE

The 42nd Annual WEST COAST PATHOLOGY CONFERENCE

REAT ONADS AND YUBULAR YALES OF REPRODUCTIVE PATHOLOGY!

MAY 2-3, 2025

 IN-PERSON

 \$ 20 - 150



Dalen Agnew
DVM, PhD, DACVP



Al Conley
DVM, MS, PhD



Justin Vidal
DVM, PhD, DACVP



UC DAVIS, SCHOOL OF VETERINARY MEDICINE, GOURLEY HALL



RACE, PENDING

[Click here to register](#)

CLASS & POLA

2025

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

CLASS MAY 17-18 | **POLA** MAY 19-23**Davis-Thompson
Foundation****Michael
Bencivenga****Daniel
Bland****Laura
Cregar****Heather
Weaver****Ingrid
Bergin****Joe
Anderson****Kathryn
Bender****Heather
Tillman****Chip
Lang****Aimee
Hunter****Teresa
Southard****Sarah
Sulkosky****James
Corrigan****Amanda
Beck****William
Baskerville****Laura
Anderson****Angela
Brice****Nicole
Lukovsky-Akhsanov****\$ CLASS \$100
POLA \$350- 450****✓ RACE -PENDING****🖥️ VIRTUAL**[Click here to register](#)

CLIC US



CLIC CURRENT LITERATURE AND IMAGE INTERPRETATION COURSE



Davis-Thompson Foundation



June 2-6, 2025



Linden Craig
DVM, PhD, DACVP



Lauren Guarneri
DVM, DACVP



Michelle Dennis
DVM, PhD, DACVP



Sarah Linn-Peirano
DVM, PhD, DACVP



Kim Newkirk
DVM, PhD, DACVP



Denae LoBato
DVM, PhD, DACVP

- 650+ board-style multiple choice questions
- Thousands of images (gross & microscopic)
- 30+ hours engaging poll-mode lectures

\$575-675 💰

In-person 👤

Knoxville, TN 📍

28 RACE, pending ✅



THE UNIVERSITY of TENNESSEE 

College of Veterinary Medicine



[Click here to register](#)

CLIC UK



The banner features a colorful, abstract background with splashes of paint in various colors. At the top right is the Davis-Thompson Foundation logo, which consists of a shield containing a caduceus and the text "Davis-Thompson Foundation". The main title "CLIC" is in large, bold, orange letters, followed by "CURRENT LITERATURE AND IMAGE INTERPRETATION COURSE" in purple. Below this is a calendar icon and the dates "JUNE 30 - JULY 4, 2025". Three speakers are featured with their portraits and names: Linden Craig, Denae LoBato, and Kim Newkirk, all with credentials "DVM, PhD, DACVP". To the right of the speakers, the course details are listed: "650+ board-style multiple choice questions", "Thousands of images (gross & microscopic)", "30+ hours engaging poll-mode lectures", "400 USD", "In-person", and "Cambridge, UK". At the bottom is a colorful silhouette of the University of Cambridge skyline, with the University of Cambridge Department of Veterinary Medicine logo in the center.

CLIC CURRENT LITERATURE AND IMAGE INTERPRETATION COURSE

 **JUNE 30 - JULY 4, 2025**


Linden Craig
DVM, PhD, DACVP


Denae LoBato
DVM, PhD, DACVP


Kim Newkirk
DVM, PhD, DACVP


650+ board-style multiple choice questions
Thousands of images (gross & microscopic)
30+ hours engaging poll-mode lectures

400 USD
In-person
Cambridge, UK

 UNIVERSITY OF CAMBRIDGE
Department of Veterinary Medicine

[Click here to register](#)

JUST IN TIME MOCK EXAMS



Davis-Thompson
Foundation

July 14-15, 2025

JUST IN TIME MOCK EXAMS

Francisco Uzal
DVM, MSc, PhD, DACVP

Kevin Woolard
DVM, PhD, DACVP

Ingeborg Langohr
DVM, PhD, DACVP

Javier Asin
DVM, PhD, DECVP

Susan Bender
VMD, PhD, MS, DACVP


Eileen Henderson
DVM, MS, CertAqV, DACVP


Denise Imai
DVM, PhD, DACVP

Anne Lewis
DVM, PhD, DACVP

Dalen Agnew
DVM, PhD, DACVP

Registration fee: \$ 250

 Virtual



[Click here to register](#)

EUROPEAN DIVISION SYMPOSIUM



Davis-Thompson
Foundation

European Division Symposium on Gastrointestinal Pathology

August 25-26, 2025



Simon Priestnall

BSc (Hons) BVSc PhD PGC(VetEd)
FHEA FRSB DipACVP FRCPath MRCVS

Francisco Uzal
DVM, MSc, PhD, DACVP



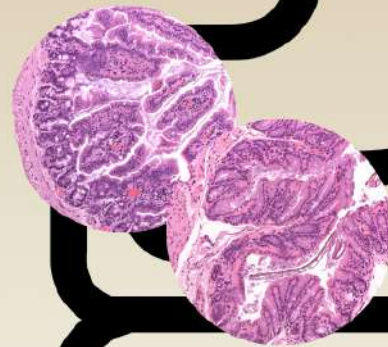
Brandon Plattner
DVM, PhD, DACVP



425€ Early bird
490€ Full rate



Hotel NH Torino Centro, 104 Corso Vittorio
Emanuele II 10121 Torino, Italy
In person



[Click here to register](#)

RACEHORSE NECROPSY WORKSHOP



Davis-Thompson
Foundation



HORSERACING
INTEGRITY
AND SAFETY
AUTHORITY



Veterinary
Diagnostic Lab

SAVE THE DATE

RACEHORSE NECROPSY WORKSHOP

September 18-20, 2025



Free



In-person



Lexington, KY

More information
coming soon

WESTERN ROUND ROBIN CASE

CONTRIBUTING LABORATORY:

Oregon State University Veterinary Diagnostic Laboratory

Signalment and history:

A 3-month-old female intact parakeet with a more than 1-month history of emaciation and respiratory distress was found dead.

Gross Findings:

The animal was severely emaciated. The connective tissue surrounding the proventriculus is moderately edematous.

Histology:

Proventriculus/ventriculus: There are moderate lymphoplasmacytic infiltrates in the lamina propria of the proventriculus and ventriculus. The mucosa of the proventricular-ventricular junction is thickened, forming papillary projections with mildly pleomorphic epithelium characterized by cuboidal to columnar, occasionally pseudostratified epithelial cells with enlarged nuclei and moderate to large amounts of basophilic cytoplasm. The superficial proventricular mucosa has increased numbers of goblet cells (goblet cell hyperplasia). The proventricular-ventricular lumens are filled with mucus mixed with numerous eosinophilic to basophilic, elongate, rod-shaped, irregularly septate yeast hyphae with thin parallel walls and no branching (approximately 2 μ m x 20-40 μ m in size). The organisms are PAS and GMS positive and Gram variable. These organisms are often arranged in parallel bundles within the mucus, proventricular crypts, the surface of koilin, and rarely, within the mucosa. Intestine: There are moderate lymphoplasmacytic and heterophilic infiltrates in the lamina propria of the intestine. The lumen is filled with mucus mixed with numerous large irregularly numerous eosinophilic to basophilic, elongate, rod-shaped irregularly septate yeast hyphae with thin parallel walls and no branching (approximately 2 μ m x 20-40 μ m in size). The organisms are often arranged in parallel bundles within mucus, epithelial surface, crypts, and rarely, within the mucosa. The organisms are PAS and GMS positive and Gram variable.

Diagnosis:

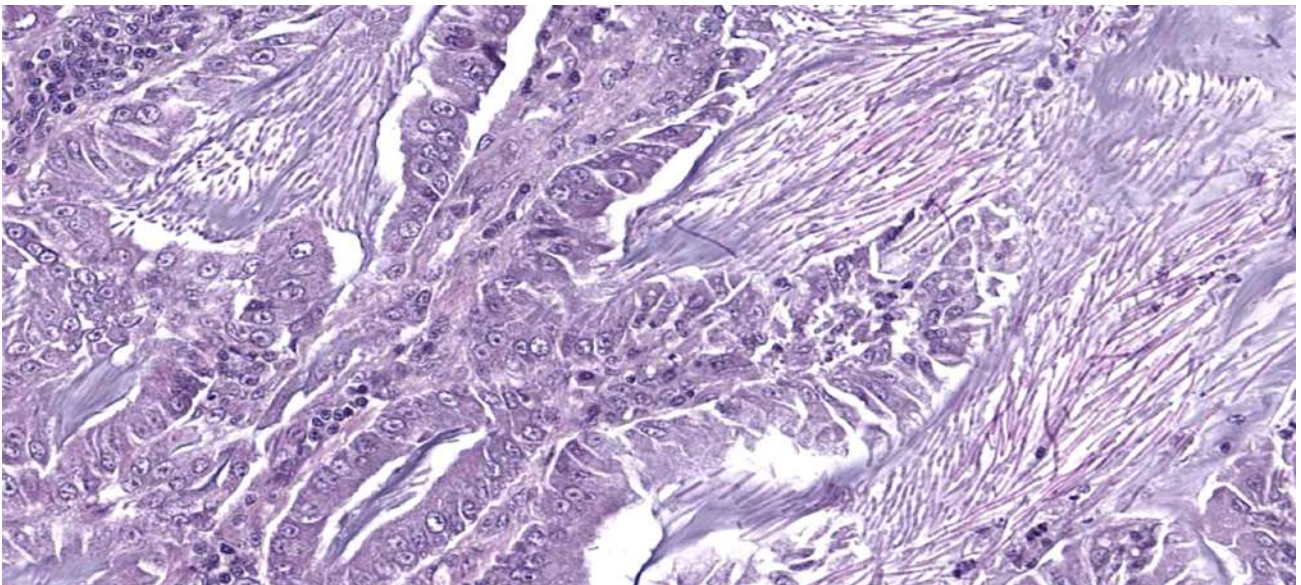
- Proventriculitis/ventriculitis, lymphoplasmacytic, diffuse, chronic, with intralesional large filamentous yeast

WESTERN ROUND ROBIN CASE

- Adenomatous hyperplasia of the proventricular-ventricular junction
- Enteritis/colitis, lymphoplasmacytic and heterophilic, chronic, segmental, moderate, with intralesional large filamentous yeast

Etiology:

Morphology consistent with *Macrorhabdus ornithogaster* (Avian Gastric Yeast, formerly Megabacteria)



Comments: The large bacilli-like yeast hyphae are most consistent with *Macrorhabdus ornithogaster*. Macrorhabdosis (or Megabacteriosis) is caused by infection with the opportunistic yeast *Macrorhabdus ornithogaster* (aka Avian Gastric Yeast; formally Megabacteria) that mainly localizes to the proventriculus and ventriculus. Infection has been documented in domestic turkeys, chickens, guinea fowls, quails, partridges, and exotic birds (i.e. budgerigars, African gray parrots, and nymphs). In birds that recover, relapses and potential shedding of the organism in the feces are likely and fecal-oral transmission may occur. One report documented that the prevalence of *M. ornithogaster* in exotic birds was 31%, however, the vast majority of the birds show no clinical signs (Blagojević, et al., 2024). Underlying stress might be needed for the infection to become clinically relevant. Generally, macrorhabdiosis is treatable with antimycotics. Gross lesions are those of chronic, debilitating disease of the gastrointestinal tract including emaciation and thickening and edema of the proventriculus. Histologically, there are lymphoplasmacytic and histiocytic infiltrates in the lamina propria of the proventriculus and ventriculus. Yeast hyphae are often arranged in parallel bundles within the mucus, crypts, koilin,

WESTERN ROUND ROBIN CASE

and rarely, but within the mucosa. Diagnosis is based on detecting the organism in smears of feces or gastric mucus or histology of the proventricular-ventricular junction. Organisms are relatively large elongate, rod-shaped yeasts (2 µm x 20-40µm in size), Gram variable but will stain with PAS and Calcaflour White MR2 (a chitin stain). Macrorhabdiosis is also susceptible as an associated factor for proventricular adenocarcinoma in budgerigars (Powers, et al., 2019). In the current cases, adenomatous hyperplasia was observed at the proventricular-ventricular junction, which might be a preneoplastic lesion.

References:

- Blagojević, B., Davidov, I., Galfi Vukomanović, A., Tekić, D., Došenović Marinković, M., & Vidović, V. (2024). Occurrence of *Macrorhabdus ornithogaster* in exotic birds. Polish journal of veterinary sciences, 27(1), 139–142. <https://doi.org/10.24425/pjvs.2024.149335>
- Powers, L. V., Mitchell, M. A., & Garner, M. M. (2019). *Macrorhabdus ornithogaster* Infection and Spontaneous Proventricular Adenocarcinoma in Budgerigars (*Melopsittacus undulatus*). Veterinary pathology, 56(3), 486–493. <https://doi.org/10.1177/0300985818823773>
- Terio, K. A., McAloose, D., & St. Leger, J. (Eds.). (2017). Pathology of wildlife and zoo animals. Academic Press.
- Püstow, R., & Krautwald-Junghanns, M. E. (2017). The Incidence and Treatment Outcomes of *Macrorhabdus ornithogaster* Infection in Budgerigars (*Melopsittacus undulatus*) in a Veterinary Clinic. Journal of avian medicine and surgery, 31(4), 344–350. <https://doi.org/10.1647/2016-181>

Contributor:

Mari Inohana, BVM, PhD, DJCVP
Elizabeth Ihms, DVM, PhD, DACVP

Click here to see this slide
in Noah's Slidebox

ASVP CORNER



Davis-Thompson
Foundation



ASVP
Australian Society for
Veterinary Pathology



**TARONGA
ZOO**



AAPSP
Australian Animal Pathology
Standards Program

★ **Australian** ★

**Descriptive Veterinary
Pathology course**

Mar 31 to Apr 4, 2025

In-person at the beautiful Taronga Zoo in Sydney!



JEY KOEHLER
DVM, PHD, DACVP



LINDEN CRAIG
DVM, PHD, DACVP



PATTY PESAVENTO
DVM, PHD, DACVP

- **Interpretation and description of gross, macro-micro, microscopic, and ultrastructural lesions**
- **Image interpretation**
- **Histo tests**
- **Peer grading assessments**

SOLD OUT

IDEXX CASECONNEX CORNER

Signalment: 7-year-old, female spayed, mixed breed dog

Source/ History: Approximately 1cm mass closely associated with a hair follicle located on the left dorsal thorax.

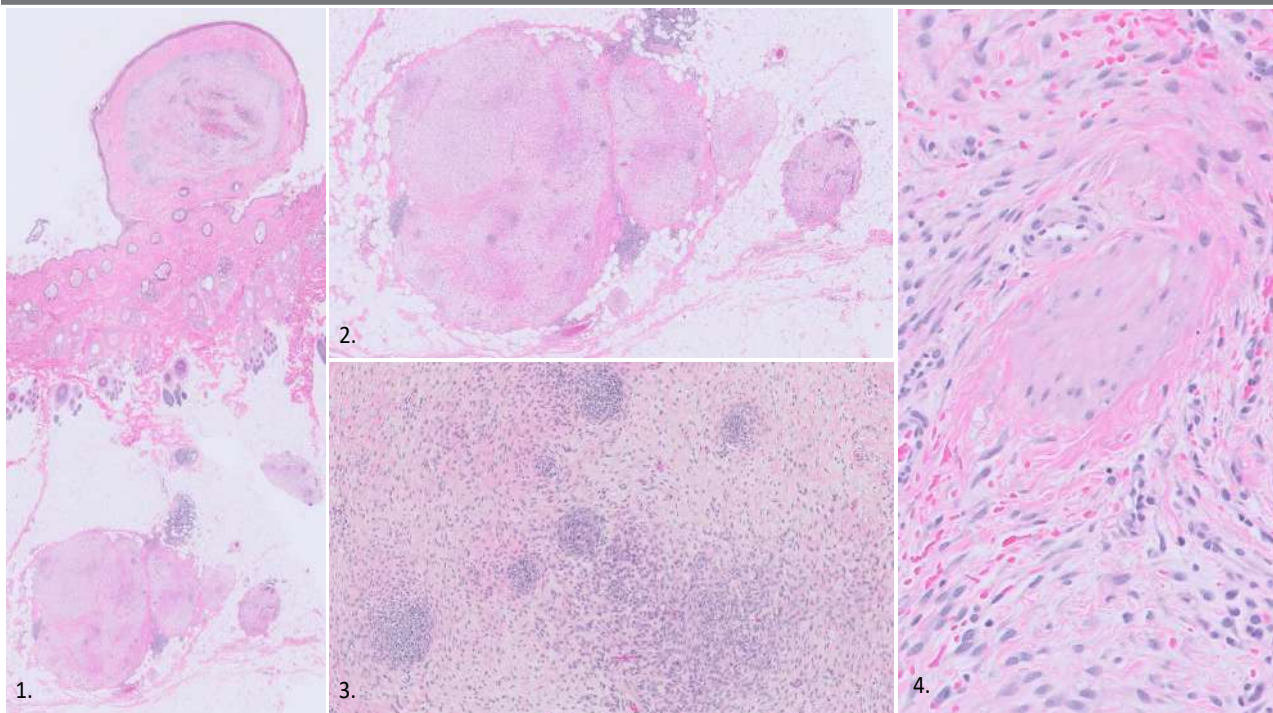


Figure 1. Multinodular expansion of the dermis and subcutis by a proliferating spindle cell population. **Figure 2.** Higher magnification view of the subcutaneous component of the neoplasm. **Figure 3.** Tumor architecture consists of interlacing streams of spindle cells with distinctive densely cellular clusters and nests of cells resembling dermal papillae of hair follicles. **Figure 4.** A remnant bundle of smooth muscle of arrector pili origin is entrapped within the spindle cell proliferation (supportive of the suspected hair follicle origin for this spindle cell population).

Histopathologic Description:

Causing multifocal expansion of the dermis and subcutis, there is a multinodular, moderately cellular, unencapsulated mass of neoplastic spindle cells. The spindle cells are predominantly arranged in loosely interlacing streams but also multifocally coalesce in to densely cellular whorled clusters (resembling follicular dermal papillae). The neoplastic cells are spindled to fusiform with a scant amount of finely fibrillar, eosinophilic cytoplasm and indistinct cell borders. The nuclei are round to oval to elongate with finely stippled or vesicular chromatin and 1-2, variably prominent, deeply eosinophilic nucleoli. There is mild anisocytosis and anisokaryosis, and a total of 2 mitotic figures can be counted in 2.37 mm². There are rare remnant bundles of arrector pili smooth muscle entrapped and deeply embedded within the neoplasm.

Interpretation:

Fibrosarcoma of follicular papillary origin

Comments:

Histopathology revealed a spindle cell neoplasm most consistent with a fibrosarcoma of follicular papillary origin. This is a distinctive subtype of fibrosarcoma presumed to originate from fibroblasts associated with the dermal papilla of hair follicles. It is characterized by a unique histological appearance of spindle cells forming interlacing streams, bundles, and multifocal nests and clusters of ovoid to spindle cells which resemble the dermal papillae of hair follicles. Due the histogenesis of this entity, these neoplasms are typically closely associated with and cause entrapment regional hair follicles. Despite their unique histologic features, the biological behavior of these tumors does not differ significantly from other forms of fibrosarcoma and soft tissue sarcoma (i.e. locally invasive with low metastatic risk), and local disease control via surgical resection is the primary treatment approach.

References: Gross, Thelma Lee, et al. (2005), *Skin diseases of the dog and cat: clinical and histopathologic diagnosis*, pp. 725-726

LCPG CORNER

| 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 24-26 | Leonardo Minatel |
| Brazil | Cuiabá (Mato Grosso) | ENAPAVE | Amy Durham | Hematopoietic pathology | Sept 12 | Renato de Lima Santos |
| | Sao Paulo | IV Annual Latin American Roadshow | Brian Murphy | Oral and skeletal pathology | Nov 20-21 | Renee Amorim |
| Chile | Santiago | IV Annual Latin American Roadshow | Brian Murphy | Oral and skeletal pathology | Nov 17-18 | Federico Cifuentes |
| Colombia | TBD | TBD | Raquel Rech | Neuropathology | TBD | Paola Barato |
| México | Mexico city | IV Annual Latin American Roadshow | Brian Murphy | Oral and skeletal pathology | Nov 24-25 | Itzel Yañez |
| | On line | 5 th Necropsy Course | Laura Romero, Rubén López, Francisco Carvallo, 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 | Ap 20 - May 14 | Rubén López |
| Paraguay | Asunción | TBD | TBD | TBD | TBD | Mirtha Suárez |
| Perú | Lima | TBD | TBD | Intestinal morphometry | TBD | Rosa Perales |
| Venezuela | Barquisimeto | III Annual Meeting of the Venezuelan Division | Lauren Stranahan | Dermatopathology | Oct 17-18 | Yaritza Salas |

LCPG CORNER



Davis-Thompson
Foundation



UC DAVIS
VETERINARY MEDICINE



CUMMINGS SCHOOL
OF VETERINARY MEDICINE
AT TUFTS UNIVERSITY



CURSO DE PATOLOGIA GENERAL EN ESPAÑOL

10 - 14 DE MARZO, 2025



VIRTUAL



Claudio Barbeito
DVM, PhD



Gisela Martinez-Romero
DVM, MSc, PhD, DACVP



Roberto Olivares
DVM, EdS, PhD, DACVP



Patricia Pesavento
DVM, PhD, DACVP



Nicolas Streitenberger
DVM, PhD, DACVP



Pedro Zeinsteger
DVM, PhD

[Click here to register](#)

LCPG CORNER



Davis-Thompson
Foundation

Seminar Series in Spanish 2025



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



MARZO
6

**Intoxicaciones por plantas y micotoxinas en
rumiantes**

Franklin Riet-correa DVM, MSc, PhD



MAYO:
15

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

Estefanía Montero Cortijo DVM



JULIO:
3

Patología ósea

Fernando Dutra DVM, MSc



SEPTIE:
4

Patologías orales en perros y gatos. Enfoque clínico

Suanúa Serrano García DVM



NOVIE:
20

Descripción histopatológica de neoplasias

Joaquin Ortega, DVM, PhD, DACVP



DICIE:
4

Diagnóstico de diarreas en rumiantes

Paco Uzal DVM, MSc, PhD, Dipl. ACVP

Registration for individual sessions
available on the website soon

LCPG CORNER



Davis-Thompson
Foundation



INTRODUCCIÓN A LA HISTOPATOLOGÍA VETERINARIA

Curso exclusivo para médicos veterinarios o estudiantes de medicina veterinaria

CADA MIÉRCOLES A LAS 11 AM CST



Dr. Francisco Uzal



Dra. Valentina Stevenson



Dr. Santiago Diab



Dra. Maria Jose Navarrete



Dra. Gisela Martinez



Dr. Omar Gonzales



Dr. Federico Cifuentes



Dra. Melissa Macias



Dr. Nicolas Streitenberger



Dra. Laura Romero



Dra. Ana Alcaraz



Dr. Guillermo Rimoldi



Dr. Joaquín Ortega



Dr. Francisco Carvallo



Dr. Javier Asin



Dr. Mauricio Navarro

 En vivo U\$ 75
Grabacion U\$ 50
 Virtual

More information here

LCPG CORNER



5^{to} CURSO DE
NECROPSIA:
 IDENTIFICACIÓN E INTERPRETACIÓN DE LESIONES
 MACROSCÓPICAS EN ANIMALES
 28 DE ABRIL AL 12 DE MAYO

EN LINEA

ALFREDO PÉREZ
MVZ MMVZ

ELIZABETH MORALES
MVZ MC DR

FÉLIX SÁNCHEZ
MVZ EPV MC

VICENTE ÁVILA
MVZ MMVZ
DACVP

CARLOS GONZÁLEZ
MV MPHIL
PHD

DIANA GALVÁN
MVZ MMVZ

FRANCISCO CARVALLO
DVM DSC
DACVP

MARIO BEDOLLA
MVZ MMVZ

MIREYA JUÁREZ
MVZ EDV
MC DRA

RUBÉN LÓPEZ
MVZ MMVZ
CERTAQV

ELIZABETH RODRÍGUEZ
MVZ EDCV

LUIS GARCÍA
MVZ MC DR

CARMEN CARMONA
MVZ EDVA

LAURA ROMERO
MVZ MC PHD

CONTACTO:
aquapathweb@gmail.com

Click here to register

LCPG CORNER



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



Davis-Thompson
Foundation



Casos de Rotina
Cesar Menk, DVM, DACVP
em Português



Enfermedades virales, parte II
Mariano Carossino, DVM, PhD, DACVP, DACVM
en español



Casos curiosos em peixes ornamentais
Felipe Pierezan, DVM, MS, PhD, DACVP
em Português



Enfermedades de Rumiantes
Javier Asin, DVM, PhD, DECVP
en español



Patologia no planeta dos macacos.
Mayane Facin, DVM, PhD, DACVP
em Português



Nódulos esplénicos en perros
Federico Cifuentes, MV, PhD, DACVP
en español



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

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

LCPG CORNER



**SAVE
THE DATE**

XIV

**REUNION ARGENTINA
DE PATOLOGIA VETERINARIA**

**24, 25 Y 26 DE
SEPTIEMBRE, 2025**

Actividades pre jornada el 23!

**ORADORES: DON MEUTEN, VERENA AFFOLTER, CLAUDIO BARBEITO,
JUAN MICHELOUD , FRANCISCO UZAL, Y MÁS**

EVENTOS PREVIOS

► Taller de escritura científica

EVENTOS ESPECIALES

Taller de histopatología ◀
Encuentro SAOV ◀

 **EN PERSONA**  **UNIVERSIDAD CATOLICA DE CORDOBA, ARGENTINA**



Davis-Thompson
Foundation



Instituto Nacional de
Tecnología Agropecuaria



**UNIVERSIDAD
CATÓLICA
DE CÓRDOBA**
JESUITAS

More information available on
the website soon

LCPG CORNER



Davis-Thompson
Foundation



UNIVERSIDAD
CATOLICA
DE CÓRDOBA
JESUITAS

18° Seminario de la Fundación Davis-Thompson con la XIV Reunión Argentina de Patología Veterinaria 2025

Taller de Histopatología Convocamos a presentar casos interesantes



Fecha de presentación: 25 de septiembre
Fecha final para el envío de casos: 30 de marzo



Envío de casos: fauzal@ucdavis.edu



EN PERSONA

UNIVERSIDAD CATOLICA DE CORDOBA, Argentina

More information available on
the website soon

LCPG CORNER



The graphic features a central map of Latin America with a purple and blue color scheme. Surrounding the map are five circular inset images: a cow with a red tumor, a microscopic view of purple-stained cells, a white cat with a red tumor, a cross-section of a red and white tumor, and a group of people in a lecture hall. The LCPG logo is in the top left corner.

Become a member of the Latin Comparative Pathology Group

LCPG:

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

Click here for more
information about
how to become a
member

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. 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.

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

GHPN SCHOLARSHIPS

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 GH-PathNetwork@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

MISCELLANEOUS ANNOUNCEMENTS

JVDI Journal of
Veterinary
Diagnostic
Investigation



The Official Journal of
American Association of Veterinary Laboratory Diagnosticians



JVDI Call for Submissions

please submit an abstract of up to 250
words describing your proposed topic by March 1, 2025

“Special issue on racehorse diseases, injuries, welfare, and safety”

Racehorse welfare and safety is a vital component of the racing industry, with ever-increasing scrutiny and expectations from both the general public and the racing community. Since 2009, catastrophic musculoskeletal injuries sustained during Thoroughbred racing have decreased by over 40%, with continued room for improvement. The postmortem examination provides invaluable information not only in cases of catastrophic musculoskeletal injury, but in the event of exercise-associated sudden death, or deaths due to medical causes.

We are inviting submissions to a JVDI special issue on racehorse diseases, injuries, welfare, and safety to be guest edited by Dr. Laura Kennedy, University of Kentucky; Dr. Francisco Uzal, University of California–Davis; Dr. Julie Engiles, University of Pennsylvania; and Dr. Sue Stover, University of California–Davis.

If you are interested, **please submit an abstract of up to 250 words describing your proposed topic by March 31st, 2025.** Full research papers, case series, brief reports, and reviews of a focused topic will be considered, as will single-animal case reports if they are novel and include a review of the literature on the focused topic of the report. For abstracts on topics considered suitable for the special issue, authors will be notified by March 15, 2025, and full submissions will be expected by September 1, 2025. Submitted manuscripts will proceed through the usual JVDI peer-review and editorial process, with publication expected in the winter of 2025–2026. Page charges of \$75/printed page will apply —there is no color page charge for online-only publications.

Please submit your abstract to guest editor Dr. Laura Kennedy,
draurakennedy@uky.edu

MISCELLANEOUS ANNOUNCEMENTS



Dear Colleague,

The Society of Toxicologic Pathology (STP) is seeking to broaden its membership by reaching out to scientists and students (veterinary/residents/graduate) involved or interested in safety assessment, teaching, or research in toxicologic pathology/toxicology and inviting them to join the STP and attend our **44th Annual Symposium: Toxicologic Neuropathology: Basics and Beyond**, scheduled for **June 22–25, 2025**, at the **Fairmont Chicago – Millennium Park** in **Chicago, Illinois**. The symposium promises an exceptional opportunity to engage with leading experts, share insights, and deepen our understanding of critical topics in toxicologic neuropathology.

To help us reach scientists and students at your institution with a variety of backgrounds and research interests, we kindly ask that you post our Annual Symposium (see below) in your departmental newsletter and/or continuing education section of your Website. Alternatively, please forward this information to the appropriate person or provide us with the contact information.

Please note that there are several different opportunities for **students** to apply for monetary awards through the generous Student Awards program. The deadline for most awards is **March 30**. See individual award details for nomination/application and selection processes. Registration fees are waived for active STP student members. Nonmember students who apply by **April 1** for STP student membership (\$35 annual dues) and are approved can also register for free. In addition, *nonmember meeting registrants who apply for membership by July 1 and are accepted will receive complimentary membership for the remainder of 2025*. Please visit www.toxpath.org to apply for membership.

Important Deadlines

- Abstract Submission Deadline: **March 30**
- Student Awards Application Deadline: **March 30**
- Early Bird Registration Deadline: **April 30**

Student Awards and Grants (Deadline: March 30) (<http://www.toxpath.org/am2025/awards.asp>)

- Student Travel Grants
- STP Young Investigator Awards
- STP Environmental Toxicologic Pathology SIG Student Research Award
- The Daniel Morton and Laura Dill Morton Scholarship (*Deadline: November 1, 2025*)
- IATP/STP Charles Capen Trainee Award (*Deadline: November 1, 2025*)

For the Web:

SOCIETY OF TOXICOLOGIC PATHOLOGY (STP) 44TH ANNUAL SYMPOSIUM

STP cordially invites you to the **STP 44th Annual Symposium: Toxicologic Neuropathology: Basics and Beyond**, scheduled for June 22–25, 2025, at the Fairmont Chicago – Millennium Park in Chicago, Illinois. The unifying theme of the symposium, “Effective animal-to-human translation in neurotherapeutic development,” features five comprehensive sessions, covering topics such as Fundamentals of Neuropathology, Neurodegenerative Diseases, Neurobiomarkers, Neuro-Omics, Hot Topics, Challenges, and Future Directions. Join your colleagues and immerse yourself in a dynamic program with cutting-edge scientific sessions, enriching continuing education courses, and valuable networking opportunities. Please visit the [Annual Symposium website](http://www.toxpath.org/am2025) for additional information and to review the preliminary program.

Thank you very much.

Best regards,
STP Membership Committee

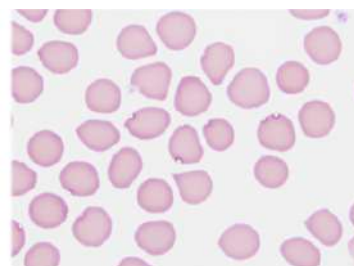
STP Headquarters: 11190 Sunrise Valley Drive • Suite 300 • Reston, Virginia 20191
Tel: 703-438-7508 • Fax: 703-438-3113 • Email: stp@toxpath.org • Website: www.toxpath.org

MISCELLANEOUS ANNOUNCEMENTS

Have you seen a Pathology Error published in a scientific journal?

Help us determine the extent of the problem

Submit to the **ACVP Errors in Publications Web Portal**
<https://www.acvp.org/page/ErrorsinPublication>



Click here to listen to past episodes of the podcast



Check out our archive!

Click here



MISCELLANEOUS ANNOUNCEMENTS



**Davis-Thompson
Foundation**



**NEW
ARRIVAL**

**Intoxicaciones por plantas,
micotoxinas y otras toxinas
en rumiantes y équidos de Sudamérica**

Franklin Riet-Correa
Juan Francisco Micheloud
Miguel Machuga
Fábio de Souza Nondouça
Ana Lucia Schild
Ricardo Antônio Amaral de Lemos

Editors
Davis-Thompson Foundation
2024



**Surgical Pathology of Tumors
of Domestic Animals**
Edited by M. Kiupel

Davis-Thompson DVM Foundation

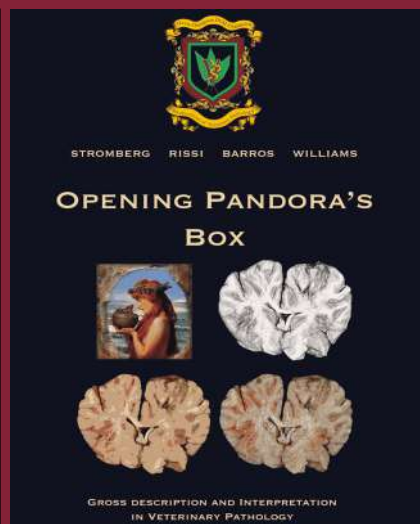
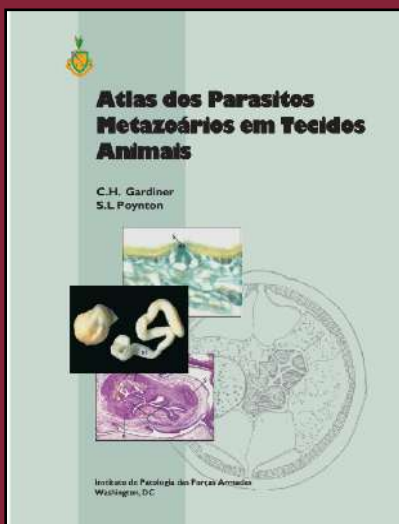
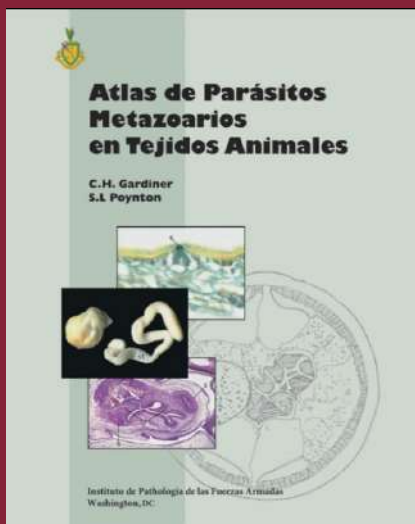
Advance ment of Veterinary Pathology

Volume 1: Epithelial Tumors of the S

**CHECK OUT OUR STORE
FOR BOOKS AND MERCH**

CLICK HERE 

MISCELLANEOUS ANNOUNCEMENTS



[Click here](#) to Get a Digital Download of our e-books!

RETIRING?

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

Davis-Thompson Foundation Pathology Externship

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



Davis-Thompson
Foundation

DAVIS-THOMPSON FOUNDATION

Phone: 847-367-4359

Fax: 847-247-1869

davis-thompsonfoundation.org

cldavisdvm@comcast.net

MARCH 2025