



**Davis-Thompson
Foundation**

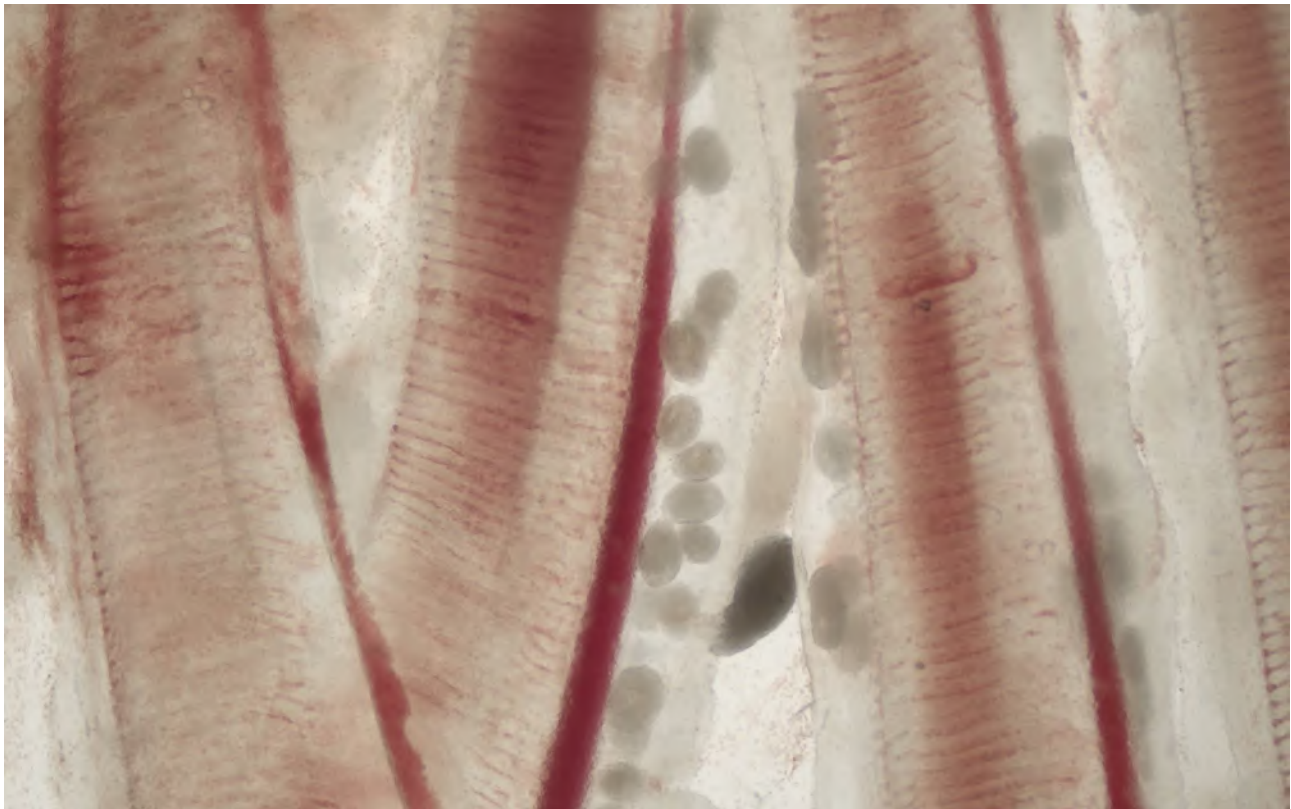
C.L. DAVIS/S.W. THOMPSON
DVM FOUNDATION

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

THE DAVIS-THOMPSON FOUNDATION NEWSLETTER

S e p t e m b e r

VOL. 53



What is the protozoan parasite, depicted in this unstained wet mount gill clipping from a Sea Clown Surgeon (*Acanthurus sohal*), that causes “marine ich” or marine white spot disease in wild and cultured marine fishes?

- A. *Myxobolus cerebralis*
- B. *Cryptocaryon irritans*
- C. *Ichthyophthirius multifiliis*
- D. *Tetracapsula bryosalmonae*

INSIDE THIS ISSUE

Monthly cover photograph winner:

**Dr Daniela Denk,
SeaWorld Abu Dhabi, United Arab Emirates**

Answer: *B. Cryptocaryon irritans* (marine white spot disease)

Classically, fish infected with *Cryptocaryon* will have small white spots, nodules, or patches on their fins, skin, or gill; however, the infections can sometimes only involve the gills. Thus, the absence of “white spots” does not rule out *Cryptocaryon*.

-Dr. Katherine D. Watson - Cover Image Editor

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

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MESSAGE FROM THE CEO

Dear colleagues

Welcome to the September issue of the Davis-Thompson Foundation Newsletter. As always, this is the result of the great job done by our brilliant managing editors Drs. Jeann Leal and Javier Asin. with the collaboration of many volunteers.

It is with a heavy heart that I start this message announcing the passing of our dear colleague and friend, Dr Valentín Pérez, a Professor of Veterinary Pathology at the University of León, Spain. Valentín passed away prematurely at the age of 58 on August 7th. Valentín was a wonderful colleague, a great teacher and researcher, and a frequent and generous presenter for the Foundation. With his death, the entire veterinary pathology community loses one of its finest members. Please see the Obituary presented by the Spanish Society of Anatomic Veterinary Pathology in the following pages.

As always, this edition has announcements on abundant opportunities in person and virtual all over the world, in English, Spanish and Portuguese. Find out about them in these pages and/or in our website: <https://davisthompsonfoundation.org/events-> . Several excellent reviews of our most recent seminars are also available. Great news for our Portuguese-speaking colleagues: this month we will be uploading to our website a free Portuguese translation of Chris Gardiner's Atlas of meta-zoan parasites in animal tissues, generously translated by Dr Igor Santos (thank you Igor!!).

Last but not least, please have a look at the "Volunteer corner" a new volunteer appreciation section prepared by Dr Rafaela de Negri (thank you Rafa!). We expect this to be a permanent feature in our Newsletter as a way to acknowledge the terrific job done by all our volunteers all over the world.

Looking forward to see you in one of our upcoming training activities.

With my warmest regards

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

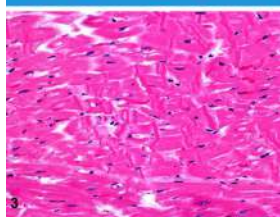
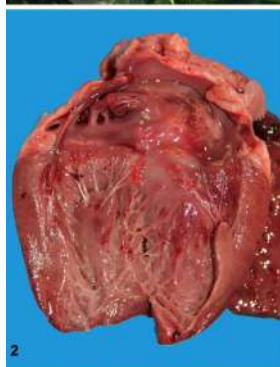


JVDI IN FOCUS

Our September focus is an article appearing in the September issue: **“Yellow oleander (*Thevetia peruviana*) toxicosis in 4 goats”** by Chelsea A. Sykes, Michael Filigenzi, Francisco A. Uzal, Robert H. Poppenga.

JVetDiagnInvest2023;35(5):563–567.

<https://journals.sagepub.com/doi/full/10.1177/10406387231186190>



Four alpine goats developed diarrhea soon after the owner placed plant clippings believed to be yellow oleander (*Thevetia peruviana*) into their pen on a suburban property near Palm Desert, CA, USA. A 1-y-old female goat died suddenly ~1 h after eating the plant clippings and was submitted to the San Bernardino Branch of the California Animal Health and Food Safety Laboratory System for postmortem examination. The main autopsy and histopathologic findings were myocardial hemorrhage and necrosis, consistent with cardiac glycoside intoxication. Rumen contents were analyzed by LC-MS/MS; peruvoside, a cardiac glycoside, was detected, but oleandrin, the cardiac glycoside of common oleander (*Nerium oleander*), was not. An LC–high-resolution MS (LC-HRMS) analysis revealed the presence of peruvoside and nerifolin in the rumen contents and in a tested plant fragment, indicating that the plant was a member of the *Thevetia* genus. A clipping from the plant fed to the goats and submitted by the owner was identified as yellow oleander, *Thevetia peruviana* (also known as *Cascabela thevetia*).

Figures 1–3. *Thevetia peruviana* and lesions caused in goats by ingestion of this plant. **Figure 1.** *T. peruviana* in the yard of the goat owner. **Figure 2.** Subendocardial petechiae and ecchymoses. **Figure 3.** Acute myocardial degeneration and necrosis characterized by hypercontraction bands, loss of striations, vacuolation, and loss of sarcoplasm. H&E.

The Journal of Veterinary Diagnostic Investigation is the official journal of the [American Association of Veterinary Laboratory Diagnosticians](#). The mission of the Journal is to educate by informing readers of progress in veterinary laboratory medicine and related fields of endeavor. The key objectives of the JVDI are to promote the science of veterinary laboratory medicine and the betterment of animal and public health. JVDI fully supports diversity, equity, and inclusion in our publishing activities.

Editor-in-chief, Dr. Grant Maxie / <https://journals.sagepub.com/home/VDI>

DISTINGUISHED PROFESSOR ANNOUNCEMENT

Congratulations!



Distinguished Professor

The Davis-Thompson Foundation CEO & LCPG founding member and President-Elect, Dr. Paco Uzal (UCDavis Professor and branch chief of the San Bernardino lab of the California Animal Health and Food Safety laboratory system) received a high-level merit advancement to Distinguished Professor. The title of Distinguished Professor is the highest campus-level faculty title that can be bestowed. In the entire history of the university, Dr. Uzal is the first faculty member in the "Professor of Clinical" series to have reached this rank. To be recognized as a Distinguished Professor, a faculty member must have achieved the highest level of distinction in their scholarship, teaching, and public service – with international recognition for their scholarly work and demonstrated excellence in their teaching. Dr. Uzal's scholarly work in both clostridial infections of animals and racehorse pathology was recognized, as was his sustained continuing and professional education in veterinary pathology.

Text adapted from: Dr. Francisco Uzal honored as Distinguished Professor. (2023, August). , Volume V8.
<https://myemail.constantcontact.com/AAVLD-Latest-News-for-You.html?soid=1111382958528&aid=fs0Z2qyr16s>

VOLUNTEER CORNER



Hello! I'm
Peter Eguia



What's your background?

I am a veterinarian, graduated from the University of the Philippines. I am currently a full time graduate student at the Universitat Autònoma de Barcelona, and about to start my residency at the European College of Laboratory Animal Medicine (currently processing all the paperwork, just got approved on my education requirements). I previously worked as a laboratory animal Training & Education Officer for The Chinese University of Hong Kong and an Animal Welfare Officer at The University of Hong Kong prior.

What's your role?

I do the certificates for the Foundation and I love my role. I am honored to be part of a very important community that provides continuous training for veterinary professionals!

Tell us more about yourself!

I love to be engaged in laboratory animal training and education, especially in Southeast Asian countries. I think there is a huge gap that needs to be filled in this field, especially within the veterinary schools in the region. My goal in the next three years is to complete my ECLAM residency, and I am also exploring a possibility to do a concurrent training in clinical pathology because I also want to do a residency in veterinary pathology. The Foundation has been a motivation for me to get to know the field more, and meet a lot of people with the same interest as mine, because it is not very common where I am from. The pandemic has set me back with my goals, but I am back on track now and I look forward to achieving these in the years to come.

ATLAS OF METAZOAN PARASITES

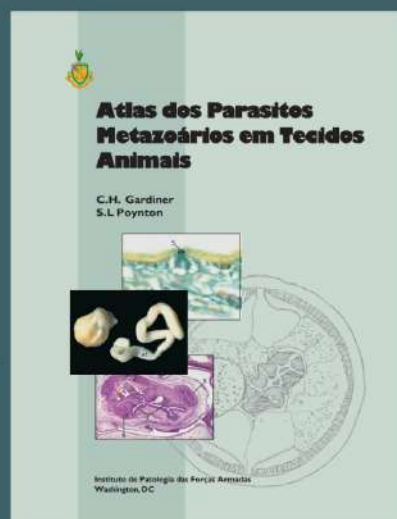
AN ATLAS OF METAZOAN PARASITES IN TISSUE SECTION

NOW IN PORTUGUESE



This month we will be uploading the newest addition to our free e-book collection: a Portuguese translation of Gardiner's Atlas of Metazoan Parasites in Animal Tissues generously translated by Dr. Igor Santos, a pathology resident at Federal University of Rio Grande do Sul in Brazil. The book will be available for viewing for free on the website, but will require a (free) website login.

We are so grateful for all the hard work Dr. Santos put into this translation, and so pleased to be able to offer it to everyone. Here's a little something about Igor, in his own words: "Hi, I'm Igor. I grew up in the rural area of a quaint Brazilian Midwest town, where I developed a great fascination for animals (almost like a classic country boy). This passion propelled me to start my studies in veterinary at the Instituto Federal Goiano (IFGoiano) in 2015. As I delved deeper into the undergraduate disciplines, my curiosity for veterinary pathology grew, leading me to start a master's degree at the Federal University of Rio Grande do Sul (UFRGS) in 2020. During this period, I actively worked on diagnostic services and research projects involving different veterinary pathology fields. In 2022, I started the residency program in veterinary pathology at UFRGS. My current routine includes diagnostic services, rounds, and journal clubs. Despite having difficulty choosing specific areas of interest in pathology (please, don't judge this young pathologist), I am very interested in the neoplasms of domestic animals. My recent research involves feline pulmonary carcinomas and the application of antibodies in immunohistochemical diagnosis.



**FREE TO READ!!
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DAVISTHOMPSONFOUNDATION.ORG



DIAGNOSTIC EXERCISE



Case #: 216; **Month:** July; **Year:** 2023

Contributors: Francisco R Carvalho, Thomas E. Cecere. Department of Biomedical Sciences and Pathobiology, Virginia Maryand College of Veterinary Medicine. fcarvalho@vt.edu

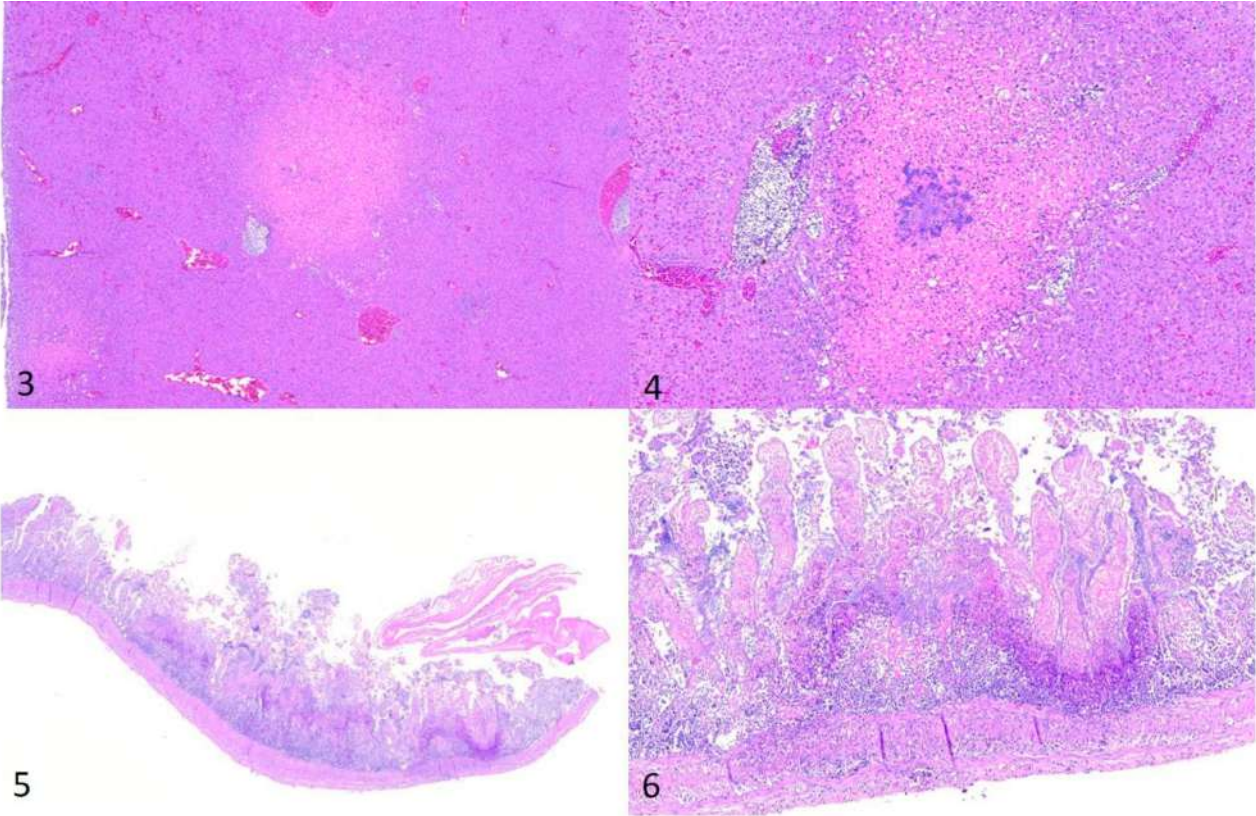
Clinical History: Three juvenile quails were submitted for necropsy, with history of weight loss and lethargy of one-week duration. They have lost about 60 out of 250, and 40 died in the last 48 hours. These birds were healthy when received

Necropsy Findings: All birds were thin, with small deposits of adipose tissue in the celomic cavity. In all, multifocal to coalescing irregular, white to gray, slightly firm, well demarcated plaque-like lesions were observed in the duodenum and jejunum from the serosa (Figs. 1 and 2). In one of them, these plaques coalesced and conferred a granular appearance to the serosa of the duodenum (Fig. 2). In two birds, multifocal white pin point lesions were identified in the liver (Fig. 2). Samples of the liver (Figs. 3 and 4) and small intestine (Figs. 5 and 6) were collected for histopathology and microbiology.





DIAGNOSTIC EXERCISE



Follow-up questions:

- *Morphologic diagnosis:*
- *Etiology:*
- *Name the disease:*

[Click here for answers](#)

Editor-in-chief: Claudio Barros

Associate Editor for this Diagnostic Exercise: Francisco Carvallo

SEMINAR REVIEWS



9th Uruguayan Seminar of the CL Davis – SW Thompson Foundation

August 28 – 29, 2023

Montevideo – Uruguay

by José Manuel Verdes

The 9th Uruguayan Seminar of the CL Davis – SW Thompson Foundation was held at the Veterinary School of Universidad de la Republica (FVET), Montevideo, Uruguay. The meeting was organized by faculty of the Department of Pathology, FVET, with the sponsorship participation of the National Veterinary Academy, the National Veterinary Laboratories (DILAVE) “Miguel C. Rubino” MGAP, and the National Institute of Agricultural Research (INIA), and sponsored by the CL Davis/SW Thompson Foundation and the Latin Comparative Pathology Group. The Organizing Committee was led by Prof Dr José Manuel Verdes, and included colleagues of FVET and the National Veterinary Laboratories (DILAVE) “Miguel C. Rubino” MGAP, and the National Institute of Agricultural Research (INIA), and sponsored by the CL Davis/SW Thompson Foundation and the Latin Comparative Pathology Group. The seminar was attended by an enthusiastic group of more than 300 participants, including pathologists, equine practitioners, scientists, lecturers, undergraduate and postgraduate students from several Uruguayan institutions.

Susan M. Stover, UC Davis School of Veterinary Medicine and Fernando Dutra, DILAVE, Uruguay, were the keynote speakers, and lectured on several aspects of catastrophic fractures in racing horses.

Drs Rita Rocca, Cecilia Abreu, Laura Casaux, Betina Morales, Carolina Matto, María José Estradé, Valentina Pires and Mizaël Machado, lectured on other complementary topics of Equine Medicine and Pathology

This 9th Uruguayan Seminar of the CL Davis – SW Thompson Foundation received financial support from FVET, CSIC-Udelar (Comisión Sectorial de Investigación Científica, Universidad de la Republica).



Participants and speakers of the 9th Uruguayan Seminar of the CL Davis – SW Thompson Foundation (left). Sue Stover during one of her key lectures (right).

SEMINAR REVIEWS

Racehorse Necropsy Workshop **August 18-19, 2023** by Rafaela DeNegri

The Racehorse Necropsy Workshop to fulfill Horseracing Integrity and Safety Authority (HISA) requirements was held in San Bernardino branch of the California Animal Health and Food Safety laboratory system, UCDavis, on August 18-19, 2023.

Attendees from as far as New Zealand were warmly welcomed by staff and faculty. After a brief introduction by Dr. Uzal, Dr. Stover highlighted that >85% of catastrophic racehorse injuries are associated with pre-existing injuries making most loss of animals due to this condition preventable. She proceeded to explain the efforts of the HISA in educating the racing community and pointed out the crucial role the diagnostic lab plays in this joint effort to prevent racehorse and rider injuries. The study data supports the efficacy of this effort with some jurisdictions seeing a 40-50% reduction in equine fatalities.

Dr. Uzal gave the audience a detailed overview of the California Racehorse Necropsy Program, which started in 1990 and after approximately 7.5K racehorse necropsies, has developed a well-thought-out necropsy procedure and reporting approach. Key lesions, including musculoskeletal, cardiovascular, respiratory, and gastrointestinal were highlighted together with the number one lesson learned from all the years of the program: the vast majority of the catastrophic lesions were musculoskeletal and associated with pre-existing lesions.

Dr. Jeff Blea, equine medical director of the California Horse Racing Board, and Dr. Alina Vale, Official Veterinarian of the California Horse Racing Board explained their roles in this collaborative effort and how they go about puzzling together all pieces of information from the training and clinical findings to the necropsy report.

After a detailed overview of the musculoskeletal adaptation and repair, Dr. Stover showed the audience a slew of images and palpable samples of typical skeletal injuries of racehorses complete with a review of the proper nomenclature.

The last lecture of the day with Dr. Uzal gave an overview of the current knowledge of sudden death and a checklist for a streamlined diagnostic workup. To end on a high note, the lab's team prepared a delicious BBQ.

The second day was very interactive. It started with an elegant demonstration of the dissection of the distal limb by Dr. Nyaoke followed by a hands-on dissection by all. Attendees then rotated through different stations with specimens to explore and discuss, guided by the lecturers mentioned above, Drs Schild and Asin, and Ms. Rhea, Garcia, and Aleman. Before attendees rushed out of California to avoid Hurricane Hilary's waters, they were guided through a delightful demonstration of the dissection of the heart. The event was a trifecta with didactic lectures, great networking, and delicious food.

SEMINAR REVIEWS



Racehorse pathology workshop. Workshop participants (top). Dr. Stover and Dr. Nyaoke (bottom left). Demonstration of the dissection of the distal limb by Dr. Nyaoke (bottom right).

SEMINAR REVIEWS

GHPN Workshop on Pathology and Basic Mechanisms of Disease and IV Guatemalan Seminar of the DTF

Facultad de Medicina Veterinaria y Zootecnica
Universidad de San Carlos de Guatemala (USAG)
August 7-10, 2023

by Corrie Brown, Francisco Carvallo and Javier Asin

The workshop and seminar were greatly hosted and organized by Drs. Déborah Rodríguez and Mónica Solórzano (USAG), and facilitated by Drs. Corrie Brown (UGA), Francisco Carvallo (Virginia Tech), and Javier Asin (UC Davis). The workshop took place between August 7 and 9, and the seminar was delivered on August 10.

Over the workshop of three days, 24 students and 12 faculty members from the College of Veterinary Medicine gathered together to participate in group interactive and practical sessions on pathology. The entire workshop was conducted in Spanish. Sessions included: Disturbances of Circulation; Cell Injury; Inflammation; Disturbances of Growth; Avian Diseases; Ruminant Diseases. In addition, the student participants practiced doing a necropsy on a chicken with collection and packaging of tissues. All instruction was provided using adult learning theory. Evaluations were positive: *"Very dynamic and interactive course, a new way of learning that was very effective; Everything was excellent, thank you!"*

The August 10 seminar was well attended by the same group of students and faculty members plus a group of veterinary practitioners. The topic of the presentations was respiratory diseases. First, Dr Carvallo went through the mechanisms of defense of the respiratory system and how these are breached by microorganisms to induce diseases; he then made a concise but practical summary of the classification of pneumonias in domestic animals. Following this, Dr. Asin made an interactive review of pneumonias in small ruminants. Dr. Carvallo concluded with a presentation of pneumonias in equids.



GHPN Workshop Workshop participants (left). Dr Carvallo discussing scenarios with participants (top right). Dr Asin discussing a scenario with the class (bottom right)

SEMINAR REVIEWS

First meeting of the Davis Thompson Foundation Nicaraguan subdivision

August 20-21, 2023

by Francisco Carvalho

On August 20 and 21 2023, Dr. Guillermo Rimoldi (Clemson University) and Dr. Francisco Carvalho (Virginia Tech) attended the 1st Meeting of the Davis-Thompson Foundation in Managua, Nicaragua, where they taught a hands-on necropsy workshop. The event was hosted by Universidad de Ciencias Comerciales of Nicaragua (UCC) and organized by Dr. Cristina Toledo, supported by all faculty members of the UCC School of Veterinary Medicine. During these days, multiple animals were necropsied by approximately 25 attendees, including field veterinarians and students from different universities. Attendees learned how to do a detailed post-mortem exam in dogs, chickens, pigs and small ruminants. Students were very grateful for the opportunity and requested the Foundation to have a workshop like this done every year!

Also, on August 18 and 19, Drs. Carvalho and Rimoldi participated in the “International conference of veterinary medicine and zootechnics” in Managua, Nicaragua, an event organized by UCC. and co-sponsored by the Latin Comparative Pathology Group and the Davis-Thompson Foundation. This event was attended by more than 150 people, including field veterinarians, faculty members from different universities and veterinary students. During these 2 days, Drs Carvalho and Rimoldi shared several interesting topics, including description of gross specimens and generation of a morphologic diagnosis, neonatal diarrheas in calves, pathology of backyard chickens and respiratory pathology of the horse.



Dr. Rimoldi (in the center) together with some of the attendees to the necropsy workshop.



Dr. Carvalho initiating the necropsy workshop. It was a hot day!



Dr. Carvalho teaching a class during the international conference of veterinary medicine and zootechnics.



From left to right, Ervin Cano Gómez (a third-year veterinary student), Dr. Rimoldi, Dr. Toledo (UCC, organizer of the event) and Dr. Carvalho.

EASTERN EUROPEAN VET PATH MEETING

4th Annual Davis-Thompson Foundation Eastern European Veterinary Pathology Meeting



Davis-Thompson
Foundation



CORRIE BROWN
DVM, PhD, DACVP



FRANCISCO A. UZAL
DVM, MSc, PhD, DACVP



LLUÍS LUJÁN
DVM, PhD, DECVP



AMER ALIĆ
DVM, MSc, PhD



6 - 8
September
2023



Sarajevo,
Bosnia and
Herzegovina

Fee
€130 - 160

[Click here to register](#)

SEMINAR SERIES IN SPANISH



Davis-Thompson
Foundation



Seminar Series in Spanish 2023

11:00 am-12:30 pm CDT

14 de Septiembre

**Introducción a las enfermedades
neurodegenerativas de los animales
domésticos: clasificación y diagnóstico**



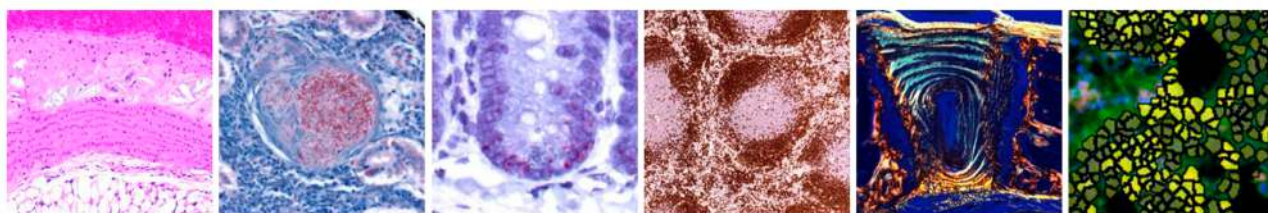
Sílvia Sisó, DVM, PhD

[Click here to register](#)

RODENT PATHOLOGY COURSE

TENTH RTP RODENT PATHOLOGY COURSE

<https://rtprodentpathology.org/>



Registration Open!!

Rigor and Reproducibility in Rodent Efficacy and Disease Models

September 16-17, 2023

North Carolina State University, Raleigh, NC

- How to Get the Best Pathology Data from Your Studies
- Data Acquisition and Molecular Technologies - *When, Why, and How?*
- Molecular Pathology in Action - Translational Pathology in the RTP Area

Click here to register

AAZV WORKSHOP

How the Past Informs
the Future



Davis-Thompson
Foundation



AAZV 30TH ANNUAL ZOO & WILDLIFE PATHOLOGY WORKSHOP 2023

September 17, 2023

🕒 8:00 AM – 5:00 PM CT

📍 Nashville, TN

👤 in-person only

Case presentations and
Keynote speakers:



Dr. Michael Garner and Dr. Linda Lowenstine



[Click here to register](#)

SOUTH CENTRAL DIVISION MEETING

33RD ANNUAL SOUTHCENTRAL DIVISION MEETING

SEPT 29-30, 2023



Davis-Thompson
Foundation

Laboratory Animal Pathology



DENISE IMAI LEONARD
DVM, PhD, DACVP

Keynote
Speaker & Case
Presentations



HYBRID

GALVESTON, TX



DEADLINE

CASE SUBMISSION: 8/31
REGISTRATION: 9/20

[Click here to register](#)

MAMMARY TUMORS IN DOGS AND CATS



**Davis-Thompson
Foundation**

**FULL DAY
SEMINAR**

**Tuesday, October 10, 2023
9:00 am - 3:00 pm CDT**

Mammary tumors in dogs and cats



Valentina Zappulli
DVM, MSc, PhD, DECVP

Laura Peña
DVM, PhD, DECVP



**4 MOC credits
RACE approval, pending**

[Click here to register](#)

REUNIÓN ARGENTINA DE PATOLOGÍA VETERINARIA



Davis-Thompson
Foundation



Ministerio de Agricultura,
Ganadería y Pesca
Argentina

Guarda
la fecha

Octubre 2023

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

17º Seminario de la Fundación Davis-Thompson con la XIII Reunión Argentina de Patología Veterinaria 2023

DISERTANTES:

Fernando Dutra Quintela, David Driemeier,
Francisco A. Uzal, Hugo Ortega y
Claudio Barbeito

MESA REDONDA: Diseño de experimentos
en patología Animal.



EN PERSONA

UNIVERSIDAD CATOLICA DE SALTA. Campus Castaños SN, Salta.

[Click here to register](#)

REUNIÓN ARGENTINA DE PATOLOGÍA VETERINARIA



Davis-Thompson
Foundation



Ministerio de Agricultura,
Ganadería y Pesca
Argentina

17° Seminario de la Fundación Davis-Thompson con la XIII Reunión Argentina de Patología Veterinaria 2023

Taller de Histopatología Convocamos a presentar sus casos interesantes



Fecha de presentación: 6 de octubre
Fecha final para el envío de casos: 30 de abril



EN PERSONA

UNIVERSIDAD CATOLICA DE SALTA. Campus Castañares SN, Salta.

[Click here to register](#)

AAVLD PRE-MEETING WORKSHOP

2023 AAVLD ANNUAL MEETING DAVIS- THOMPSON PRE- MEETING WORKSHOP

Identification of Protozoan and
Metazoan Parasites in Tissue
Section



OCT 13, 2023

IN-PERSON

Gaylord National Resort &
Convention Center
National Harbor
Maryland



**» REGISTER
NOW!**



Davis-Thompson
Foundation



DR. CHRIS GARDINER

Joint Pathology Center

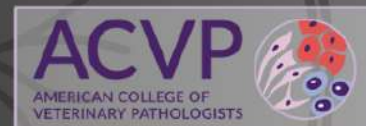
[Click here to register](#)

ACVP PRE-MEETING WORKSHOP

TUMORS OF THE UROGENITAL SYSTEM: NO KIDNEYING OVARY-REACTING OR TESTIFYING!



Davis-Thompson
Foundation



Saturday, October 28, 2023
8:00am - 5:00pm



Chicago Marriott Downtown Magnificent Mile



Robert
Foster



Renee
Lafuer-Amorim



Dorothee
Bienzle



Valeria
Grieco



Chiara
Palmieri

Pre-meeting workshop based on material from the upcoming
5th volume of Surgical Pathology of Tumors of Domestic Animals:
Tumors of the Urogenital System

[Click here to register](#)

SEMINAR SERIES IN SPANISH



Davis-Thompson
Foundation



Seminar Series in Spanish 2023
11:00 am-12:30 pm CDT
09 de Noviembre

Enterotoxemia en rumiantes



Federico Giannitti, DVM, Esp.

Registration informati-
on coming soon

LATIN AMERICAN DESCRIPTIVE COURSE

 Davis-Thompson Foundation

Curso Descriptivo de Patología Veterinaria de América Latina, 2023

15 a 18 de Diciembre, 2023
9:00 - 17:00 CST


Ana Alcaraz
DVM, PhD, DACVP


Jey Koehler
DVM, PhD, DACVP


Patty Pesavento
DVM, PhD, DACVP

 **Escuela de Medicina y Cirugía Veterinaria**
San Francisco de Asís. Vázquez de Coronado, San José, Costa Rica

inscripción: U\$ 200

 **en persona**

[Click here to register](#)

ASVP CORNER



Sponsored by:



Davis-Thompson
Foundation

2023 ASVP & DAVIS THOMPSON FOUNDATION SCIENTIFIC CONFERENCE THEME: HEPATOBILIARY DISEASE

8-10 SEPTEMBER 2023
THE PLAYFORD HOTEL, ADELAIDE, SOUTH AUSTRALIA

This year's ASVP conference theme is the hepatobiliary system. We are delighted to announce the engagement of high calibre international and national speakers that cover the specialities of internal medicine, clinical pathology and anatomical pathology. The program will have a case based collaborative approach with audience participation encouraged, and will appeal to anatomical and clinical pathologists interested in both small and large animal species, as well as internal medicine specialists or residents.

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

KEYNOTE SPEAKERS:



DR JONATHAN LIDBURY
Associate Professor, Small Animal Internal
Medicine
Gastrointestinal Laboratory
Texas A&M University



DR SEAN MCDONOUGH
Associate Professor, Department of Population
Medicine and Diagnostic Sciences
College of Veterinary Medicine
Cornell University

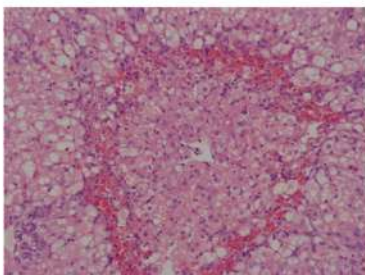


DR NATALIE COURTMAN
Associate Professor, Veterinary Clinical
Pathology
Sydney School of Veterinary Science
University of Sydney

REGISTRATIONS OPENING SOON!!!

ADDITIONAL NATIONAL SPEAKERS:

- **DR JURGEN STAHL**, CLINPATH LABS
- **DR SUSAN JAENSCH**, VETNOSTICS
- **DR IAN JERRETT**, DJPR VICTORIA



What's on offer?

- the program will also include member & student presentation, mystery slides, exhibitions & more
- an outstanding scientific program
- a diversity of delegates
- a supportive environment for members, students and early career pathologists to present and learn from colleagues
- Happy hour with expert panel session (Back by popular demand!)
- Conference Dinner
- networking with delegates over 3 days of the program
- a chance to catch up with colleagues
- earn CPD/MOC points

[Click here to register](#)

ARWH SYMPOSIUM & COURSE



Taronga's Australian Registry of Wildlife Health, supported by the Cybec Foundation, is hosting a Wildlife Health and Pathology Short Course, and a One Health Principles in Wildlife Disease Management Symposium.

The course is open to anyone with an interest in wildlife disease, including pathologists, veterinarians, conservation biologists, and veterinary, ecology, and postgraduate students. Practical workshops on necropsy and sampling techniques, forensic investigations, and a histopathology master class will be offered.

The 1-day One Health Principles in Wildlife Disease Management Symposium (17th February) will highlight Australian and international perspectives on wildlife health management. Panel discussions will provide an opportunity for engagement and the exchange of ideas and best practice.

Internationally acclaimed wildlife pathologists, epidemiologists and microbiologists will join representatives from across Australia and New Zealand to deliver this fascinating program.

Registrations open July 2023!

www.arwh.org

TARONGA
CONSERVATION SOCIETY AUSTRALIA
**Australian Registry
of Wildlife Health**

[Click here to register](#)

ARWH SYMPOSIUM & COURSE



WILDLIFE DISEASE MANAGEMENT SYMPOSIUM

SAVE THE DATE
17 FEBRUARY 2024
SYDNEY, AUSTRALIA

Taronga's Australian Registry of Wildlife Health, supported by the Cybec Foundation, is hosting a 1-day One Health Principles in Wildlife Disease Management Symposium.

The One Health Principles in Wildlife Disease Management Symposium will highlight Australian and international perspectives on wildlife disease management. Panel discussions will provide an opportunity for engagement and the exchange of ideas and best practice.

In the days preceding this symposia, the Registry will also be hosting an intensive wildlife health and pathology short course composed of a day of hands on workshops and wet-labs, and a 4-day intensive review of the diseases of all vertebrate taxa.

Registrations open July 2023!

www.arwh.org

TARONGA
CONSERVATION SOCIETY AUSTRALIA
**Australian Registry
of Wildlife Health**

[Click here to register](#)

BSTP CORNER

Notice of Future Meetings

38th Annual Scientific Meeting of the BSTP

Preclinical translatability and pathology of cell-based therapies

Date: 15th and 16th November 2023

Location: Verona, Italy

Cell therapy spans multiple therapeutic areas, such as regenerative medicine, immunotherapy, and cancer therapy. The meeting will focus on stem cell- and non-stem cell-based therapies, that are administered topically, as injectables, infusions, bioscaffolds, or scaffold-free systems. At the same time, it will address some of the challenges arising during the preclinical development of cell-based therapies with focus on disease modeling.

As well as giving an overview of this very broad field, the meeting will include real-world case histories, many exemplifying the contribution of pathologists either in demonstrating efficacy or in assessing potential safety issues. In addition, the program includes discussion of risk-benefit analysis approaches, regulatory considerations, and the impact of combinations of cells and devices. A round table discussion of invited experts in the field will take place during the meeting at which specific topics can be examined in more detail.

For up-to-date information, visit - <https://www.bstp.org.uk/events/38th-annual-scientific-meeting-of-the-bstp/>

Webinars 2023

Working with the STP, the BSTP will organise three webinars which will take place in 2023 - registration to take part in the webinars will be free with the dial in details provided one week before.

The BSTP also work with the ESTP/SFTP/ECVP/ESVP to organise a number of webinars through the year.

Keep checking <https://www.bstp.org.uk/events/bstp-webinars/> for more details.

Future BSTP events are due to take place as follows:

15th & 16th November 2023

38th Annual Scientific Meeting & AGM

**February/March 2024
July 2024**

**CES 9 - Gastrointestinal System
CES 10 - Urinary System**

November 2024
March 2025
July 2025
November 2025
March 2026
July 2026
November 2026

39th Annual Scientific Meeting & AGM
CES 11 - Cardiovascular System
CES 12 - Endocrine System
40th Annual Scientific Meeting & AGM
CES 13 - Lymphoid & Haematopoietic Systems
CES 14 - Musculoskeletal System & Skin
41st Annual Scientific Meeting & AGM

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

For more information on any events organised by the BSTP, please contact the BSTP Secretariat - bstpsecretariat@gmail.com or check out the website - <https://www.bstp.org.uk/bstp-events/>



For registration and more information about the events, visit the BSTP website:
<https://www.bstp.org.uk/events/bstp-events/>

IDEXX CASECONNEXX CORNER

IDEXX CaseConnexx Corner

Signalment: 14-year-old, female, Chinchilla

Source/ History: Proliferative skin lesion, suspected wound but growing despite antibiotic therapy. Few other sites have started (left axillary, right inguinal) as well. Tissue is thickened, concern for neoplasia vs other.

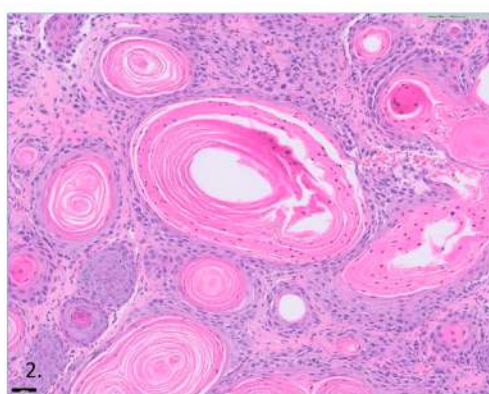
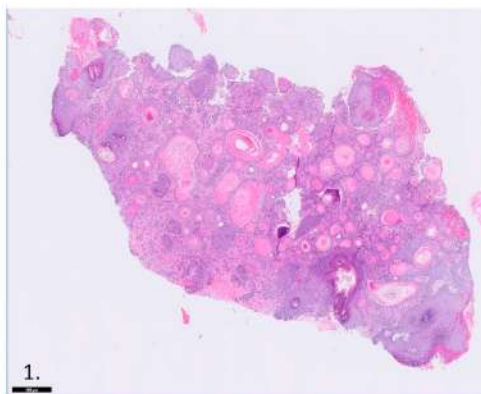
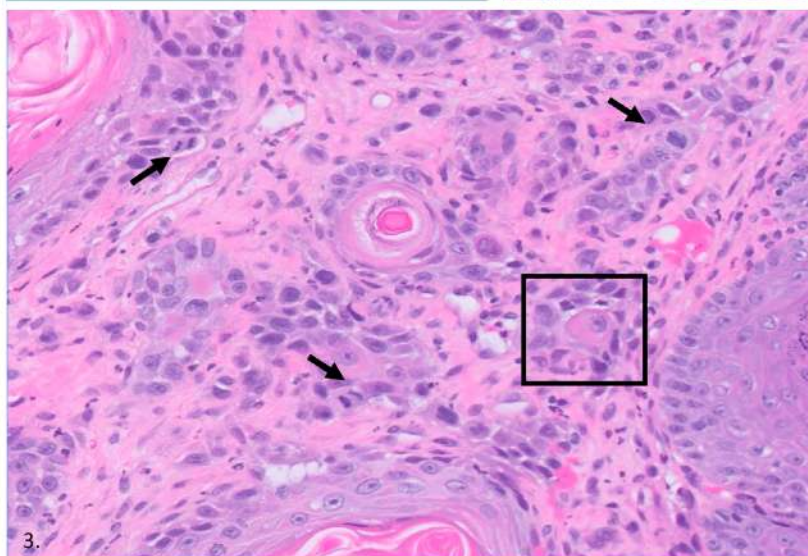


Figure 1. (2X magnification, H&E stain) Expanding the dermis and raising the overlying hyperplastic and ulcerated epidermis is a moderately cellular, unencapsulated, infiltrative neoplasm. **Figure 2.** (20X magnification, H&E stain). The neoplasm is composed of squamous epithelial cells arranged in trabeculae, islands, and small cystic structures with concentric layers of keratin accumulation (keratin pearls). **Figure 3.** (40X magnification, H&E stain). Within islands and trabeculae there is scattered abrupt keratinization (black square). There is mild to moderate anisocytosis and anisokaryosis with scattered mitotic figures (arrows).



MICROSCOPIC DESCRIPTION:

Examined is an incisional sample of haired skin. Arising from the hyperplastic epidermis and expanding the dermis is a moderately cellular, unencapsulated, infiltrative proliferation of squamous epithelial cells. The epithelial cells are arranged in trabeculae, islands and scattered individualized cells. Multifocally within the islands and trabeculae, there is abrupt keratinization of individual cells, and central concentric layers of keratin (keratin pearls). Epithelial cells have mild to moderate eosinophilic to amphophilic cytoplasm, round to oval nuclei with finely stippled to open chromatin and 1-2 prominent small nucleoli. There is mild to moderate anisocytosis and anisokaryosis. The epidermis is segmentally ulcerated.

INTERPRETATION:

Squamous cell carcinoma with ulceration
Mitotic count: 18 in ten high power fields (total area of 2.37 mm²)
Vascular/lymphatic invasion: Not observed
Margin assessment: Not applicable - incisional biopsy

COMMENTS:

Neoplasia in chinchillas is generally considered to be uncommon, though it is uncertain if this is due to underreporting or a low incidence. Cutaneous squamous cell carcinoma has been reported in chinchillas. In one report on 3 cases of cutaneous squamous cell carcinoma in chinchillas, all 3 animals were aged (older than 15 years) and had ulcerative skin masses involving one or more limbs in ventral regions. All three animals were euthanized within 2 months of presentation, though post-mortem examinations were not available to evaluate for any evidence of metastasis.

References: Zoltan, S et al. Squamous cell carcinoma in chinchillas: a review of three cases. Journal of exotic pet medicine. 2018; 28: 115-120; Otrócka-Domagala I et al. Cutaneous and Subcutaneous Tumours of Small Pet Mammals-Retrospective Study of 256 Cases (2014-2021). Animals (Basel). 2022 Apr 8;12(8):965. Greenacre CB. Spontaneous tumors of small mammals. Vet Clin North Am Exot Anim Pract. 2004 Sep;7(3):627-51.

LCPG CORNER

LCPG & DTF ACTIVITIES IN LATIN AMERICA

Country	Name of Seminar	Dates	Place/University	Speakers	Organizers
Argentina	XIII RAPAVE/17° Argentinean Seminar of C.L. Davis - S.W. Thompson Foundation.	Oct 4-6	Facultad de Ciencias Agrarias y Veterinarias, Universidad Católica de Salta	Fernando Dutra David Driemeier, Francisco Uzal	Juan Micheloud
Brasil	Brazilian Symposium on C.L. Davis - S.W. Thompson Foundation and National Pathology Meeting RAPAVE	Jul 17-20	João Pessoa, Paraíba	Raquel Rech	ABPV (Associação Brasileira de Patologia Veterinária)
	Latin American ROADSHOW of the C.L. Davis - S.W. Thompson Foundation (Brazil, Chile, Mexico, Peru)	Oct 23-Nov 3	TBD	Marti Pumarola	Francisco Carvalho, Francisco Uzal
Chile	Latin American ROADSHOW of the C.L. Davis - S.W. Thompson Foundation (Brazil, Chile, Mexico, Peru)	Oct 23-Nov 3	TBD	Marti Pumarola	Francisco Carvalho, Francisco Uzal
	8th Chilean meeting of veterinary histopathology	TBD	TBD	TBD	Carlos Flores
México	Latin American ROADSHOW of the C.L. Davis - S.W. Thompson Foundation (Brazil, Chile, Mexico, Peru)	Oct 23-Nov 3	TBD	Marti Pumarola	Francisco Carvalho, Francisco Uzal
Costa Rica	Descriptive Veterinary Pathology Course (Spanish version)	Dec 15-18	Universidad Veritas, Heredia	Jey Koehler, Ana Alcaraz, Patty Pesavento	Roberto Olivares
Guatemala	Workshop on pathogenesis mechanisms of diseases / I Seminario sobre mecanismos de C.L. Davis - S.W. Thompson Foundation	Aug 7-10	Universidad San Carlos de Guatemala, Guatemala City	Corrie Brown, Javier Asin, Francisco Carvalho	Deborah Rodriguez
Nicaragua	1st Nicaraguan Symposium on C.L. Davis - S.W. Thompson Foundation	Aug 20-21	Laboratorio de Morfología, Universidad de Ciencias Comerciales, Managua	Francisco Carvalho, Guillermo Rimoldi	Jose Lara, Cristina Toledo
Perú	Latin American ROADSHOW of the C.L. Davis - S.W. Thompson Foundation (Brazil, Chile, Mexico, Peru)	Oct 23-Nov 3	TBD	Marti Pumarola	Francisco Carvalho, Francisco Uzal
Uruguay	9th Uruguayan Symposium on C.L. Davis - S.W. Thompson Foundation	Aug 28-29	Facultad de Veterinaria, Universidad de la República, Montevideo	Susan Stover, Fernando Dutra	José Manuel Verdes, Federico Giannitti, Carolina Matto, Fernando Dutra
	Necropsy and gross pathology workshop of the C.L. Davis - S.W. Thompson Foundation and Uruguayan Buiatrics Meeting	Jun 10	Estación Experimental Dr. Mario A. Cassinoni, Facultad de Agronomía, Paysandú	Carolina Matto, Franklin Riet Correa, Fernando Dutra, Rodolfo Rivero, Jose Manuel Verdes, Lourdes Adrien, Francisco Uzal	Adrien Lourdes

LCPG CORNER



RONDAS DE HISTOPATOLOGÍA DEL LCPG 2023 10:30 - 11:30 CT



Davis-Thompson
Foundation

Agosto

COMPLETED



Casos variados de sistema gastrointestinal
Francisco Uzal, DVM, MSC, PhD, DACVP
in Spanish!



12:30 PM

Setembro

21



Casos variados de animais de laboratório
Ileana Miranda, DVM, MSC, DACVP
in Portuguese!

Octubre

19



Enfermedades del Sistema Reproductivo en vacas
Melissa Macias, DVM, MSC, PhD, DACVP
in Spanish!

Novembro

16



Casos variados
Rafaela De Negri, DVM, MSc
in Portuguese!

Diciembre

21



Selección de casos de enfermedades emergentes de peces de agua dulce.
Paola Barato, DVM, PhD in Biotechnology and specialization in aquaculture
in Spanish!

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

LCPG CORNER

Davis-Thompson Foundation

LATIN AMERICAN ROAD SHOW
2023

LCPG

VETERINARY NEUROPATHOLOGY

IN PERSON

OCTOBER 23 - NOV 4

DR. MARTI PUMAROLA BATLLE
DVM, PhD, DECVP, DECVN

MEXICO
OCT 23 - 24

BRAZIL
OCT 27 - 28

PERU
OCT 31 - NOV 1

CHILE
NOV 3 - 4

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

LCPG CORNER



Davis-Thompson
Foundation



Seminar Series in Spanish 2023 11:00 am-12:30 pm CDT



Pasado y presente de las biopsias
endoscópicas en pequeños animales
Antonio Rodriguez Bertos, DVM, PhD



Patologías espontaneas en ratones de
laboratorio
Sebastián Carrasco, DVM, PhD, DACVP



Introducción a las enfermedades
neurodegenerativas de los animales
domésticos: clasificación y diagnóstico
Sílvia Sisó, DVM, PhD



Enterotoxemia en rumiantes
Federico Giannitti, DVM, Esp.

Registration informati-
on coming soon

LCPG CORNER

SAVE THE DATE



**4TO SEMINARIO PARAGUAYO DE
PATOLOGIA VETERINARIA**

DE LA FUNDACIÓN DAVIS THOMPSON

**27 Y 28 DE SEPTIEMBRE
UNIVERSIDAD NACIONAL DE ASUNCIÓN**



Davis-Thompson
Foundation



Dra. Melissa Macias Rioseco

DVM, MPVM, PHD, DACVP

Patologías Reproductivas

LCPG CORNER

A graphic for the Latin Comparative Pathology Group (LCPG). It features a central map of Latin America with a purple and blue color scheme. Surrounding the map are five circular inset images: a cow's head with a red tumor, a microscopic view of purple-stained cells, a white cat's face, a cross-section of a red and white organ, and a group of people in a seminar. The text 'LCPG' is written vertically on the left. The main title 'Become a member of the Latin Comparative Pathology Group' is at the top right. A list of activities is at the bottom left.

Become a member of the Latin Comparative Pathology Group

LCPG:

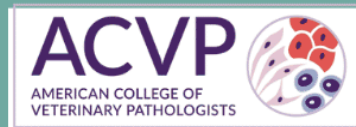
- Provides Diagnostic Exercises
- Offers travel awards
- Coordinates externships in US labs for Latin Americans
- Organizes and lectures in Latin American seminars and courses

Click here for more
information about
how to become a
member

MISCELLANEOUS ANNOUNCEMENTS



Davis-Thompson
Foundation



RECORDING BASED ON
ACVP PRE-MEETING
WORKSHOP PRESENTED
November 12, 2022

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



Keren Dittmer, BVSc, PhD, DACVP

Rob Foster, BVSc, PhD, DACVP



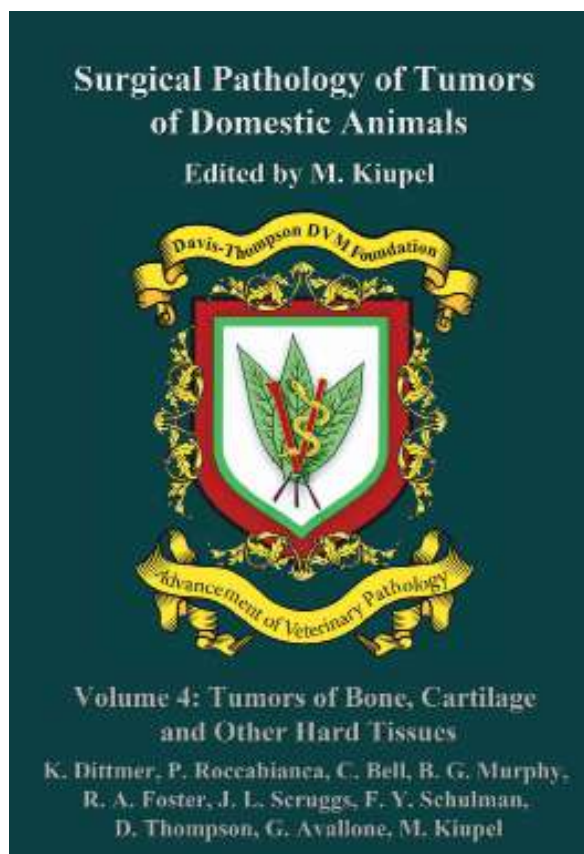
Cindy Bell, DVM, DACVP

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

The recording of the 2022 DTF/ACVP pre-meeting workshop is now available on the DTF bookstore website for purchase. This rebroadcast is approved for 4 ACVP MOC credits, 6.5 RACE credits

**Click here to purchase
the rebroadcast**

MISCELLANEOUS ANNOUNCEMENTS



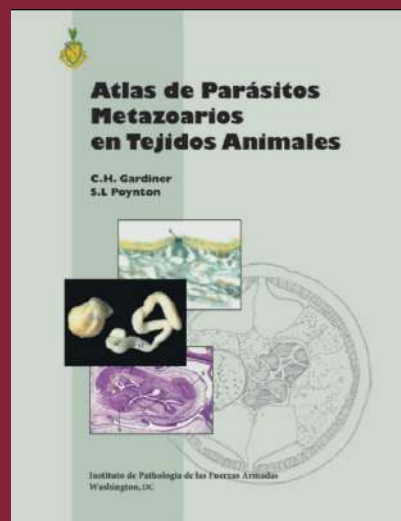
[CLICK HERE](#) to order your copy today!

RETIRING?

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

Davis-Thompson Foundation Pathology Externship

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



Atlas De Parasitos Metazoarios En Tejidos Animales - [Click Here](#) to Get a Digital Download!

OBITUARY



Our dear colleague, Valentín Pérez Pérez, Full Professor of Veterinary Pathology at the University of León, Spain, diplomate of the European College of Veterinary Pathologists and the European College of Small Ruminants Health Management, and a very active member of the Spanish Society of Veterinary Pathology (SEAPV), passed away prematurely at the age of 58 on August 7th in the city of León.

Today is a very sad day for the Veterinary Pathology community. Valentín has been one of the greatest exponents of our specialty in Spain and many other countries. Throughout his career, he worked tirelessly to teach students, fellow pathologists, and other veterinarians, sharing very good moments and experiences with them. Valentín was a kind, generous, and conciliatory human being. His research focused on ruminant diseases caused by intracellular infectious agents, mainly mycobacteria, and he contributed vastly to increasing our knowledge of pathogenesis and immune response.

There are no words to describe the pain we feel. A much-loved SEAPV member, who contributed so much to society using pathology as a tool, has left us. From the SEAPV, we send our deepest condolences to his family and friends during these very sad moments. May he rest in peace.

SEAPV



**Davis-Thompson
Foundation**

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cldavisdvm@comcast.net

SEPTEMBER 2023