



**Davis-Thompson
Foundation**

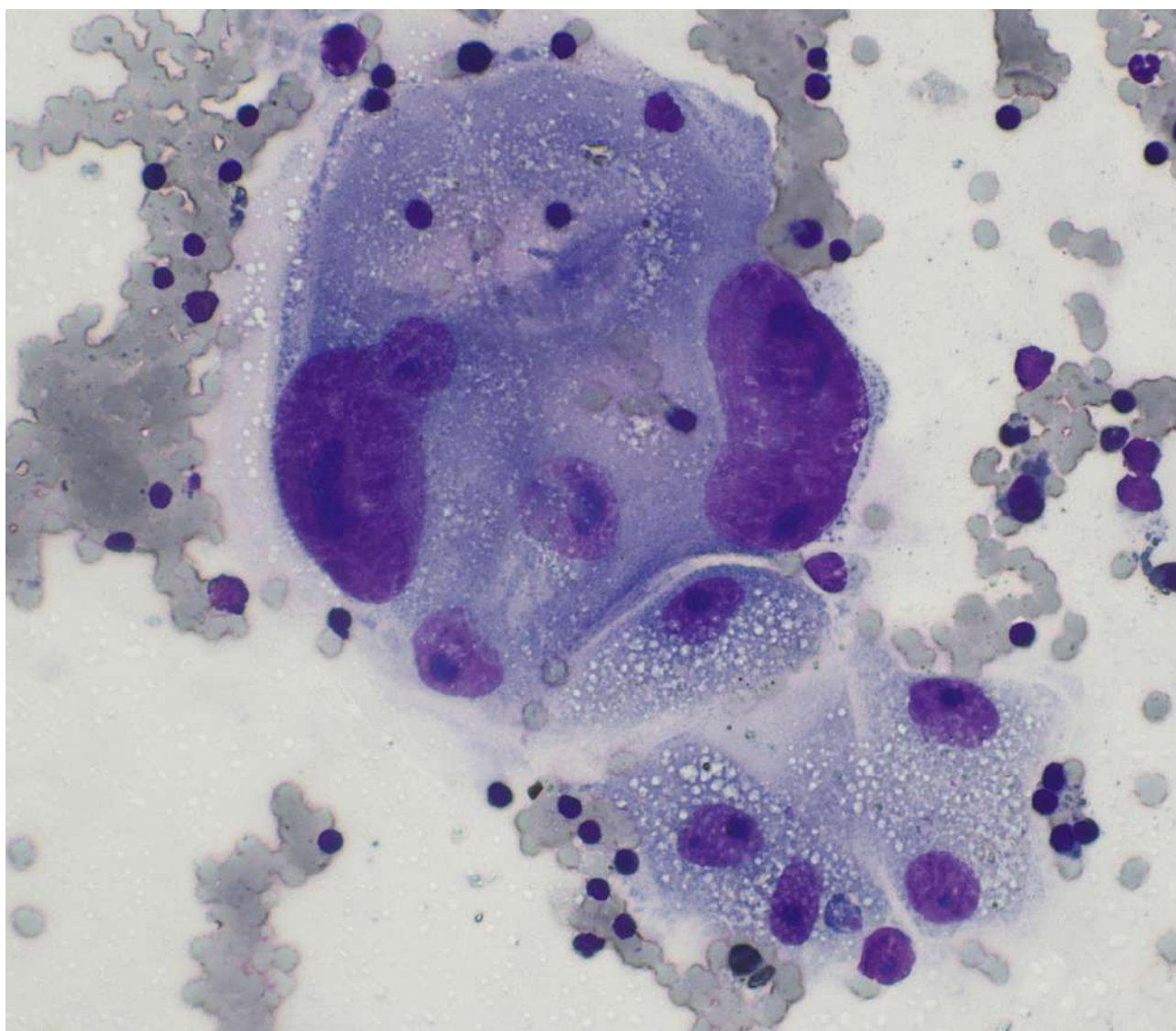
**C.L. DAVIS/S.W. THOMPSON
DVM FOUNDATION**

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

THE DAVIS-THOMPSON FOUNDATION NEWSLETTER

May

VOL. 53



In honor of May 4th (Star Wars day), which Star Wars character do these metastatic prostatic carcinoma cells resemble?

- A. Jar Jar Binks
- B. Bib Fortuna
- C. Darth Sidious
- D. Admiral Ackbar

INSIDE THIS ISSUE

Monthly cover photograph winner:

Francesco Carrani DVM

Institution: Mylav Laboratory, Italy, <https://www.mylav.net/en/>

Answer: D. Admiral Ackbar



Basset hound M 8y, medial iliac lymph node, metastatic cell of a prostatic carcinoma demonstrating many features of malignancy including cellular gigantism (red cell for size comparison), anisokaryosis, bizarre multinucleation, macro and angular nucleoli, reticular and lacy chromatin, and alteration of nuclear membrane.

-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 May issue of the Davis-Thompson Foundation Newsletter, with the compliments of our outstanding Managing Editors, Jeann Leal and Javier Asin. Thank you Jeann and Javier!

Please peruse these pages to find information on our myriad training activities around the world. Details on all our seminars are also available on our web page (<https://davisthompsonfoundation.org/>).

Also, remember that the Descriptive Veterinary Pathology Course, this year in person only, is coming up very soon (May 31-June 4). This will be followed in June by the Current Literature and Image Interpretation Course (CLIIC) and in July by the Current Laboratory Animal Science Seminar (CLASS) and Pathology of Laboratory Animals (POLA). These outstanding and unique courses provide essential education to trainees preparing for board certification exams and anybody else interested in learning veterinary pathology. Because of the intense and personalized nature of these courses, seats are limited: consider registering soon while seats last. See more information about these seminars in this newsletter, or go directly to the Events section in the Foundation's website.

This month we are proud to introduce a new section of the Newsletter called "Contributors' corner", which is inaugurated with a great article on "Descriptions in Veterinary Pathology" prepared by Dr Simon Spiro, from the Zoological Society of London. Thank you Simon.

Looking forward to seeing everyone in one of our seminars.

Warm regards

Paco Uzal

Chief Executive Officer
Davis-Thompson Foundation

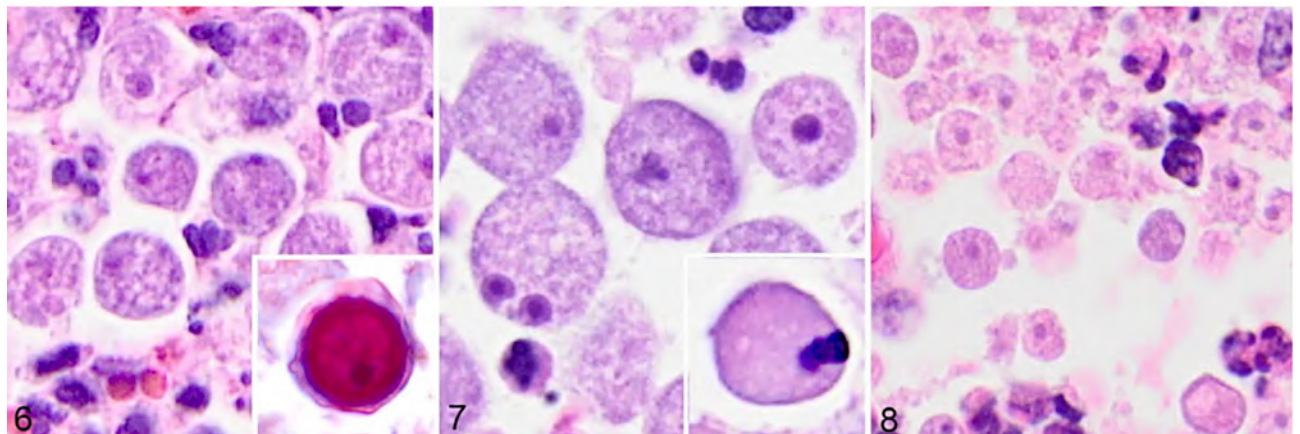


JVDI IN FOCUS

Our May focus is an article appearing in the upcoming May issue: “**Fatal balamuthosis in a Siberian tiger and a literature review of detection options for free-living amoebic infections in animals**” by Kevin D. Niedringhaus, Marissa Gordon, Michael J. Yabsley, Jackie Gai, Francisco A. Uzal, Kevin D. Woolard.

J Vet Diagn Invest 2023;35(3). <https://journals.sagepub.com/doi/abs/10.1177/10406387231160771>

Free-living amoebae are rare causes of morbidity and mortality in humans and animals around the globe. Because the route of exposure and clinical progression of disease caused by different species of amoebae may vary in people and animals, determining the species of amoeba present is important. We describe here a fatal infection by the free-living amoeba *Balamuthia mandrillaris* in a Siberian tiger (*Panthera tigris altaica*). The 17-y-old patient had a rapid clinical decline after a peracute onset of severe lethargy, dull mentation, and anorexia. Autopsy did not identify a cause of death. Histology revealed inflammation associated with amoebic trophozoites in the brain, lungs, and iris of one eye. These amoebae were confirmed to be *B. mandrillaris* based on a PCR assay and sequencing. Although there are subtle morphologic differences between cyst stages of *Acanthamoeba* spp., *B. mandrillaris*, and *Naegleria fowleri* when present and identified on routine staining, other modalities, including PCR, immunofluorescence, electron microscopy, and immunohistochemistry, are typically utilized to confirm the pathogen involved in these cases. We review the reports of balamuthosis in animals.



Figures 6–8. Histologic features of trophozoites and cysts of pathogenic free-living amoebae. **Figure 6.** Trophozoites of *Acanthamoeba* sp. in the lung of a horse. These trophozoites can look remarkably similar to those of *Naegleria fowleri*. Inset: *Acanthamoeba* sp. cyst from the brain of a human. Notice the readily visible, multi-layered, undulating outer membranes (Photo credit: Sarah Sapp, Parasitic Diseases Branch, Centers for Disease Control and Prevention; slides from different institutions result in variation in tentorial staining). **Figure 7.** Trophozoites of *Balamuthia mandrillaris* in the lung of a horse. Note that one trophozoite has 2 nucleoli, a feature characteristic of this organism. Inset: cyst of *B. mandrillaris* in the lung of a horse. Notice the minimally undulating outer membrane and internal nucleoli. **Figure 8.** Trophozoites of *N. fowleri* in the brain of a cow. This organism characteristically lacks cysts in tissue sections.

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.

CONTRIBUTORS' CORNER

Descriptions in Veterinary Pathology

As the pathologist for a 200-year-old zoo, I have seen my fair share of terrible post mortem reports, many of which do not have the excuse of having been written before the invention of the typewriter. While we are all familiar with the uselessness of descriptions like “hepatitis” or “lung lesions”, perhaps the most irritating are those where there has been an attempt at description, but you still have no idea what they have seen. If you see the words “Lung: Multifocal white nodules” do you picture three large, tumour-like masses, dozens of small, granuloma-like specks, or peripheral emphysema-like expansions?

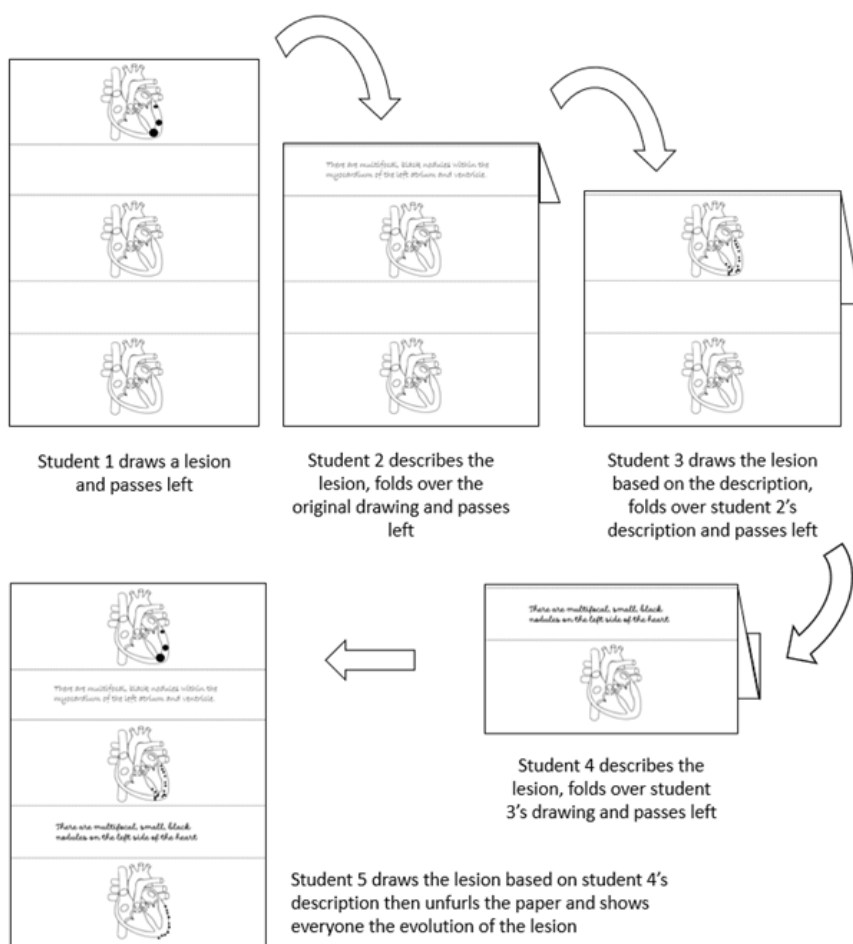
I find that undergraduate students often struggle with description and can produce examples that are both overly long and omit key details. I believe that this is because we often focus descriptive teaching on adjectives (distribution, size, colour, texture etc.), students lose sight of the true purpose of description. Pathologic description is ultimately an exercise in empathy; what key features do I need to communicate so that you can picture a fair representation of what I am seeing?

I have had some success teaching this concept of empathy through a parlour game that I used to play at university and have now learned, rather wonderfully and while writing this article, is known as Eat Poop You Cat. In the pathological version of the game, a group of at least five students are given sheets of paper on which are three identical outline drawings of organs separated by two boxes in which to write notes. The students each draw one or more lesions onto the top organ, then pass it to the student on their left who writes a description. The second student then folds over the original picture so that only the description is visible and passes it to student 3, who attempts to draw the lesion onto the second picture based on student 2's description. Student 3 then folds over the description and passes their drawing to student 4 and the whole process is repeated. Once the fifth student has done the final drawing, the paper is unfurled and the drawings compared. If the descriptions have been well written, the top and bottom drawings should look very similar, but if they are in any way inadequate this should be quickly obvious.

In the example below, student 2 describes the lesion as “multifocal, black nodules within the myocardium of the left atrium and ventricle”. Because there is no indication of size and “multifocal” is relatively vague, student 3 interprets this as numerous small nodules rather than the three big ones that student 1 envisaged. Student 4 then describes the lesion as “multifocal, small, black nodules on the left side of the heart”. Because they have used the preposition “on” rather than “in”, student 5 interprets this description to mean that the nodules are epicardial rather than myocardial. Thus, three large myocardial masses become many small epicardial nodules.

CONTRIBUTORS' CORNER

I find it helpful to play the game two or three times in a row and watch as the pictures become more iteratively homogenous as the students learn how to better describe the lesions. As they get better at it, my students always seem to revel in drawing ever more fiendish lesions to try and catch their colleagues out. This not only helps students develop “descriptive empathy”; the fun of the game can foster a more playful, interactive atmosphere in pathology classes that carries forward into the more complex teaching to come.



Simon Spiro MA VetMB MVetMed DPhil
DipACVP FRCPath MRCVS

Wildlife Veterinary Pathologist
Zoological Society of London
Regent's Park





DIAGNOSTIC EXERCISE



Case #: 207; **Month:** February; **Year:** 2023

Contributors: Tamires GW Teodoro¹, DVM, MS; Fábio S Mendonça², DVM, PhD; Javier Asin³, DVM, Ph.D., Dipl. ECVP.

¹Sao Paulo State University (UNESP), Botucatu, SP, Brazil

²Laboratory of Animal Diagnosis, Department of Animal Morphology and Physiology, Rural Federal University of Pernambuco (UFRPE), Recife, PE, Brazil

³California Animal Health and Food Safety laboratory system (CAHFS),

University of California-Davis, San Bernardino, CA, USA

jasinros@ucdavis.edu

Clinical History: A euthanized, 14-year-old, Warmblood gelding that had participated in an equine show was presented for necropsy and diagnostic workup to the San Bernardino laboratory of the California Animal Health and Food Safety Laboratory System. The animal had a 4-day history of mildly swollen limbs and hyperthermia, and developed neurologic signs shortly before euthanasia.

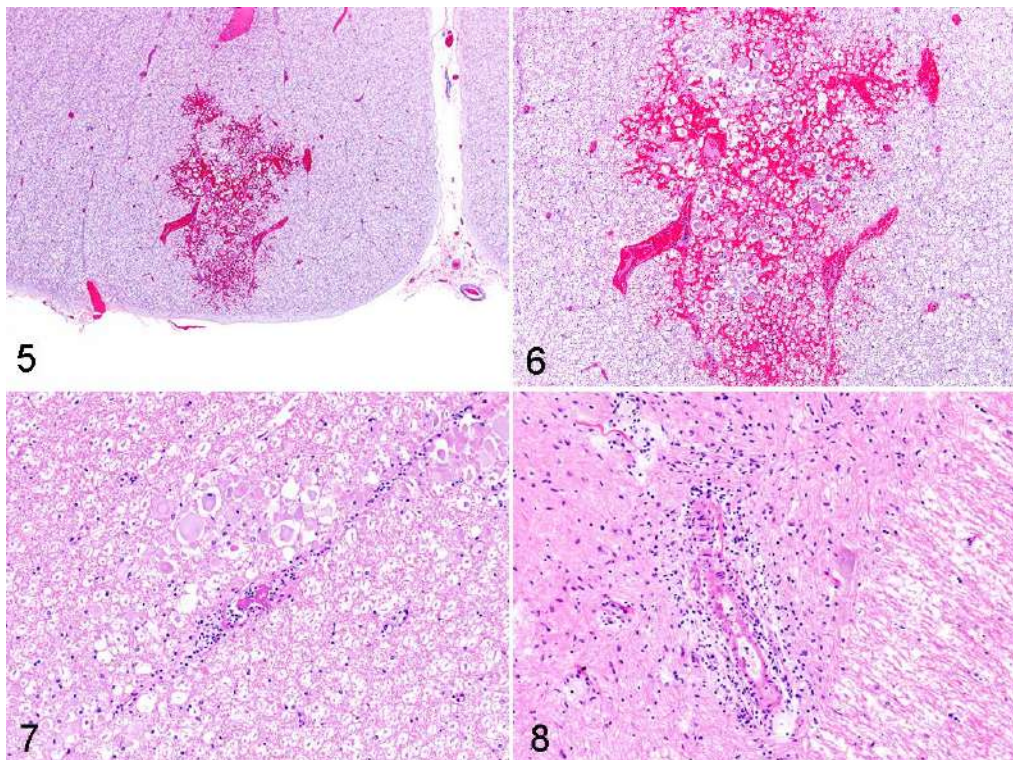
Necropsy Findings: The urinary bladder had multifocal to coalescing hemorrhages in the mucosa and approximately 5 ml of turbid urine with sandy sludge (Figure 1). The entire spinal cord was removed and cross-sectioned serially after fixation in 10% neutral-buffered formalin during 48h. Multifocally, in multiple sections of the cervical, thoracic, and lumbar segments, there were uni- or bilateral and asymmetrical, wedge-shaped areas of gray discoloration and hemorrhage (Figures 2-4). In addition, there were extensive hemorrhages around the nerve roots of the cauda equina. orange discoloration. The gallbladder was distended and filled with grumous bile and fibrin deposition on the mucosa. No alterations were observed in other organs.



DIAGNOSTIC EXERCISE



Figure 1. Urinary bladder. Figures 2-4. Transverse sections of formalin-fixed spinal cord. Figure 2. Cervical spinal cord. Figure 3. Thoracic spinal cord. Figure 4. Lumbar spinal cord.



Figures 5-8. Spinal cord. Hematoxylin and eosin



DIAGNOSTIC EXERCISE

**Follow-up questions:**

- Five differential diagnoses for the gross lesions in the spinal cord (Figures 2-4)
- Microscopic description for the lesions in the spinal cord (Figures 5-8)
- Most likely cause based on clinical history and gross and microscopic findings.

*The Diagnostic Exercises are the Latin Comparative Pathology Group (LCPG) initiative, 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/>).

Associate Editor for this Diagnostic Exercise: Francisco A. Uzal

Editor-in-chief: Claudio Barros

[Click here for answers](#)

REVIEW OF WORKSHOP IN JORDAN

Workshop on Sheep Respiratory Diseases in Jordan

The Davis-Thompson Foundation (DTF) participated in the workshop "A Proposal to Enhance the Diagnostic Capacities of Chronic Respiratory Diseases in Sheep and Goats with Emphasis on Maedi Disease," held between March 14 and 16 in Irbid, Jordan, organized by Dr. Nabil Hailat from the Jordan University of Science and Technology (JUST). On March 15, the Foundation's CEO, Dr. Paco Uzal, and Dr. Javier Asin, both from the University of California-Davis, delivered virtual presentations. Dr. Uzal gave an overview of the DTF, including the website, Noah's Arkive & Slidebox, and the different training activities organized by the Foundation around the world. Dr. Asin presented "Small Ruminant Lentiviruses with an Emphasis on the Respiratory Form," which discussed these viruses in sheep and goats, with a particular focus on the lesions of the respiratory presentations and differential diagnoses for chronic respiratory diseases in small ruminants. The audience enjoyed the presentations and provided positive feedback. The DTF is grateful to Dr. Hailat and JUST for the invitation to the workshop and looks forward to more collaborations in the future!



Group photo of the Workshop

WORKSHOP IN JORDAN



Dr. Uzal provides a virtual overview of the Foundation



Dr. Asin speaks virtually about small ruminant lentiviruses



Participants attending the presentation

SEMINARIOS DE HISTOPATOLOGÍA DEL LCPG



RONDAS DE HISTOPATOLOGÍA
DEL LCPG



Davis-Thompson
Foundation

ENFERMEDADES VIRALES

Jueves 18 de Mayo, 2023

10:30 AM - 11:30 AM CDT



Javier Asin
DVM, PhD, DECVP

[Click here to register](#)

REWIND: CARDIAC PATHOLOGY



Davis-Thompson
Foundation

REWIND 

Free Friday Seminar

Friday, May 19, 2023

Rewinding from May 2021

11am-12:30pm CDT

**Cardiac pathology:
clinicopathologic
correlates**

Taryn Donovan
DVM, DACVP



[Click here to register](#)

SEMINARIOS DE HISTOPATOLOGÍA DEL LCPG



Davis-Thompson
Foundation



**Seminarios virtuales en castellano
de la Fundación Davis-Thompson
y el Grupo Latino de Patología
Comparada 2023**

25 de Mayo

11:00 am-12:30 pm CDT

**Pasado y presente de las
biopsias endoscópicas en
pequeños animales**



Antonio Rodriguez Berto, DVM, PhD

[Click here to register](#)

DESCRIPTIVE COURSE 2023



Davis-Thompson
Foundation



UNIVERSITY
OF MINNESOTA

DESCRIPTIVE VETERINARY PATHOLOGY COURSE 2023

MAY 31-JUNE 4

IN-PERSON ONLY!



Jey Koehler
DVM, PhD, DACVP



Linden Craig
DVM, PhD, DACVP



Patty Pesavento
DVM, PhD, DACVP

*How to describe
and interpret gross,
micro, EM, ISH/IHC/PCR*

*FIVE mock tests, MCQ and
descriptions!*



UNIVERSITY OF MINNESOTA , CVM



[Click here to register](#)

SEMINARIOS DE HISTOPATOLOGÍA DEL LCPG



Davis-Thompson
Foundation



**Seminarios virtuales en castellano
de la Fundación Davis-Thompson
y el Grupo Latino de Patología
Comparada 2023**

01 de Junio

11:00 am-12:30 pm CDT

**Patologías espontaneas en
ratones de laboratorio**



Sebastián Carrasco, DVM, PhD, DACVP

[Click here to register](#)

TALLER URUGUAY

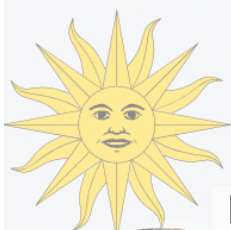
**TALLER DE NECROPSIA Y
PATOLOGÍA MACROSCÓPICA DE
LA SUBDIVISIÓN URUGUAYA DE LA
FUNDACIÓN DAVIS-THOMPSON**



Davis-Thompson
Foundation

10 de junio de 2023

U\$S 50- U\$S 100



Francisco Uzal



Franklin Riet-Correa



Fernando Dutra



Lourdes Adrien



José Verdes



Rodolfo Rivero



Carolina Matto



**JORNADAS
URUGUAYAS BUIATRIA**
8 Y 9 DE JUNIO / 2023 - PAYSANDÚ



Facultad de Veterinaria
Universidad de la República
Uruguay



[Click here to register](#)

SEMINÁRIOS DE HISTOPATOLOGIA DO LCPG



RODADAS DE
HISTOPATOLOGÍA DA LCPG



Davis-Thompson
Foundation

PATOLOGIA OCULAR

Quinta-feira, 15 de Junho, 2023

10:30 AM - 11:30 AM CDT

INTERATIVO



VIRTUAL

EM PORTUGUÊS



Rachel Neto
DVM, MS, DACVP

[Click here to register](#)

REWIND: BONE MARROW HISTOPATH



Davis-Thompson
Foundation

REWIND

Free Friday Seminar

Friday, June 16, 2023

Rewinding from March 2022

11am-12:30pm CDT

Bone Marrow Histopathology

Rose Raskin
DVM, PhD, DACVP



[Click here to register](#)

CLIIC COURSE 2023



Davis-Thompson
Foundation



June 26-30, 2023

CURRENT LITERATURE AND IMAGE INTERPRETATION COURSE

IN-PERSON @



THE UNIVERSITY OF
TENNESSEE
KNOXVILLE



LINDEN CRAIG
DVM, PHD, DACVP



KIM NEWKIRK
DVM, PHD, DACVP



MICHELLE DENNIS
DVM, PHD, DACVP



DENAE LOBATO
DVM, PHD, DACVP



WESLEY SHELEY
DVM, PHD, DACVP

[Click here to register](#)

FREE FRIDAY SEMINAR



Davis-Thompson
Foundation



Free Friday Seminar

July 14, 2023
11:00-12:30 CDT

**Anatomy, physiology
and toxicologic
pathology of the
audio-vestibular
system**

*Jean-Francois Lafond
DVM, MSc, DES, DACVP*

[Click here to register](#)

ENAPAVE 2023



7CBPV
CONGRESSO BRASILEIRO DE
PATOLOGIA VETERINÁRIA
ENAPAVE 2023
XXI ENCONTRO NACIONAL DE
PATOLOGIA VETERINÁRIA
JOÃO PESSOA - PB



Associação Brasileira de Patologia Veterinária



17 a 20 de Julho
de 2023



Intermares Hall,
João Pessoa - PB
Brasil

 Dra. Paola Barato Corporación Patología Veterinaria	 Dr. Cláudio Barros Universidade Federal do Mato Grosso do Sul	 Dr. Fábio de S. Mendonça Universidade Federal Rural de Pernambuco	 Dr. Javier Asin CAHFS Laboratory – UC Davis (EUA)
 Dra. Sâmia Brilhante Universidade Federal do Ceará	 Dr. Franklin Riet-Correa Universidade Federal de Campina Grande	 Dra. Juliana Guerra Instituto Adolfo Lutz	 Dra. Aline R. Hoffmann University of Florida (EUA)
 Dr. Tahseen Abdul Aziz North Carolina Veterinary Diagnostic Laboratory System (EUA)	 Dra. Renata Casagrande Universidade Estadual de Santa Catarina	 Dr. Hugo Orsini VetSchool São Paulo	 Dra. Raquel Rech Texas A&M University > Simpósio Brasileiro da Davis-Thompson Foundation <



Davis-Thompson Foundation

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SEMINÁRIOS DE HISTOPATOLOGIA DO LCPG



RODADAS DE
HISTOPATOLOGÍA DA LCPG



Davis-Thompson
Foundation

CASOS VARIADOS

Quinta-feira 20 de Julho, 2023

10:30 AM - 11:30 AM CDT

INTERATIVO



VIRTUAL

EM PORTUGUÊS



Rafaela De Negri
DVM, MSc

[Click here to register](#)

CLASS & POLA 2023: SAVE THE DATE



Davis-Thompson
Foundation



Penn
UNIVERSITY of PENNSYLVANIA

SAVE
THE DATE!

2023

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

CLASS

JULY 22-23

POLA

JULY 24-28

IN- PERSON @ UPENN

[Click here for more
information](#)

WDA PRE-MEETING WORKSHOP



Davis-Thompson
Foundation



July 29, 2023
Athens, Georgia

Inaugural WDA pre-meeting workshop: FORENSICS



Kevin Keel
DVM, PhD, DACVP



Doris Miller
DVM, PhD, DACVP



**and an additional
speaker**



[Click here to register](#)

FREE FRIDAY SEMINAR



Davis-Thompson
Foundation

Free Friday Seminar

August 4, 2023
11:00-12:30 CDT



**A Beaver, a Catfish, and a
Crocodile Walk into a Lab:**
It's Just One Damp Thing
after Another



Kali Holder, DVM, DACVP



[Click here to register](#)

EUROPEAN DIVISION: OCULAR PATHOLOGY



Davis-Thompson
Foundation

28-29
AUGUST
2023

EUROPEAN DIVISION SYMPOSIUM 2023 OCULAR PATHOLOGY

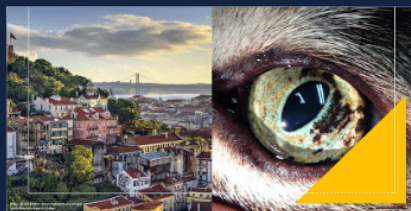


CAROLINA NARANJO FREIXA
LV, DACVP, DECVP, PHD



EMMA SCURRELL
BVSC DIPACVP MRCVS
RCVS RECOGNISED SPECIALIST
IN VETERINARY PATHOLOGY

LISBON, PORTUGAL



[Click here to register](#)

ISVD ANNUAL MEETING



International Society of Veterinary Dermatopathology (ISVD)

24th Annual Meeting

Satellite meeting of the ECVF/ESVP/ESVCP/ECVPV congress

Lisbon, Portugal, 30th of August 2023

PROGRAM

7.30 - 8.15 *	Registration
8.15	Welcome Dr. Stefano Borio, President ISVD
8.30 - 9.30	Plenary Lecture ISVD part 1 Chairperson: Dr. Stefano Borio Diseases of the mucocutaneous junction and nasal planum – pathogenic, clinical, and histopathological aspects Dr. Monika Welle, University of Bern, Switzerland
9.30 - 10.00	Break
10.00 - 11.00	Plenary Lecture ISVD part 2 Chairperson: Dr. Stefano Borio Diseases of the mucocutaneous junction and nasal planum – pathogenic, clinical, and histopathological aspects Dr. Monika Welle, University of Bern, Switzerland
11.00 - 12.00	Supportive Lecture ISVD Chairperson: Dr. Chiara Bracheler Uses of lesions – Mucocutaneous diseases Dr. Karen Trainor, Innovative Vet Path, Kansas City, USA Dr. Dominique Wiener, Texas A&M University, Texas, USA
12.00 - 13.30	Lunch
13.30 - 14.30	Clinicopathological correlations Moderator: Dr. Monika Welle 4. Dr. Kelly Keating, Animal Dermatology Group, California, USA and Dr. Verena Affolter, University of California, Davis, USA 5. Dr. William Craft, University of Florida, USA and Dr. Stefano Borio, University of California, Davis, USA 6. Dr. Karen Trainor, Innovative Vet Path, Kansas, USA and Dr. Roubina Honarchian, Metropolitan Animal Specialty Hospital, Los Angeles, California, USA
14.30 - 15.30	Mystery slide session Moderator: Dr. William Craft 5. Dr. David Gardiner, Zoetis Reference Laboratories, Louisville, Kentucky, USA 6. Dr. Barbara McMahon, IDEXX Reference Laboratories, Wyoming, USA 7. Dr. Karen Trainor, Innovative Vet Path, Kansas City, Kansas, USA 8. Dr. Ana Resendes, Universidade Lusófona, Lisbon, Portugal
15.30 - 15.45	Histology quiz Moderator: Dr. Dominique Wiener
15.45 - 16.15	Break
16.15 - 16.45	ISVD Grant Presentation Chairperson: Dr. Stefano Borio, University of California, Davis, USA Unravelling the spatial profile of DNA Methylation in canine malignant melanoma Alice Musi, Doctorate Student, Faculty of Veterinary Medicine, University of Teramo, Italy
16.45 - 17.45	ISVD Annual General Meeting (AGM) - Members only

* Please note that times of lectures and breaks still could change

[Click here to register](#)

EUROPEAN VETERINARY PATHOLOGY 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](#)

ASVP & DT FOUNDATION CONFERENCE



Sponsored by:



Davis-Thompson
Foundation

2023 ASVP & DAVIS THOMPSON FOUNDATION SCIENTIFIC CONFERENCE

THEME: HEPATOBIILIARY 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



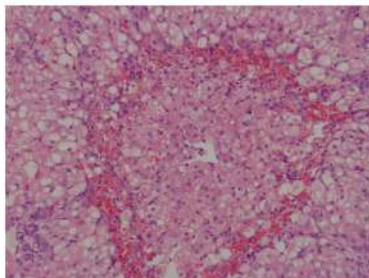
DR NATALIE COURTMAN

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

Registration opening soon

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 for more
information

REUNIÓN ARGENTINA DE PATOLOGÍA VETERINARIA



Davis-Thompson
Foundation



Ministerio de Agricultura,
Ganadería y Pesca
Argentina

17º 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 for more
information](#)

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

SAVE THE DATE



DR. CHRIS GARDINER
Joint Pathology Center

More information
coming soon

ARWH SYMPOSIUM AND SHORT 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**

More information
coming soon

ARWH SYMPOSIUM AND SHORT COURSE



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 symposium, 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**

More information
coming soon

BSTP CORNER

Future BSTP events are due to take place as follows:

14th – 23rd March 2023

Virtual CES 7 - Infectious diseases of laboratory animals

11th – 20th July 2023

Virtual CES 8 - Nervous System

November 2023

38th Annual Scientific Meeting & AGM

March 2024

CES 9 - Urinary System

July 2024

CES 10 - Digestive System

November 2024

39th Annual Scientific Meeting & AGM

March 2025

CES 11 - Cardiovascular System

July 2025

CES 12 - Endocrine System

November 2025

40th Annual Scientific Meeting & AGM

March 2026

CES 13 - Lymphoid & Haematopoietic Systems

July 2026

CES 14 - Musculoskeletal System & Skin

November 2026

41st Annual Scientific Meeting & AGM

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



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

BSVP CORNER



BSVP Spring Meeting 2023 - Camelid Symposium

Wednesday 24th May - Wills Conference Centre
Wills Hall, Parry's Lane, Stoke Bishop, Bristol BS9 1AE

Programme (all times are BST/London time)

- 9.15 **Welcome talk** - Benedetta Amato (DMV MRCVS PhD)
 9.30 **Anatomy, Physiology and Immunology in Camelids: spot the differences** - Dominic Harrison (BVSc MRCVS)
 10.00 **TB or not TB: a field perspective** - Andrea Turner (Vet MB Dip ECBHM MRCVS)
 10.30 **TB case management and policy** - Speaker to be confirmed
 11.10 **TB serological tests in South American Camelids** - Shelley Rhodes

11.50 – 11.55: Break

- 11.55 **Parasites in Camelids: presenting clinical signs and diagnostics** - James Barnett (BSc(Hons), BVSc MRCVS)
 12.25 **Parasites in Camelids: treatment and management** - Andrea Turner
 12.55 **Clinical Case collection** - Andrea Turner

13.30 – 14.30: Lunch

14.30 – 15.00: Trainee talks

- 15.00 **PME as valuable diagnostic tool** - Mick Millar (BVSc MRCVS MSc)
 15.30 **Scanning Surveillance in South American Camelids - Miscellaneous and Exotic Farmed Species ED1500** - David Jorge (BSc(Hons) DVM MRCVS)

16.00 – 16.10: Break

- 16.10 **Clinical pathology diagnosis of common New World camelid diseases** - Susan Tornquist (DVM, MS, PhD, Dip. ACVP)
 17.00 **Common diseases of alpacas and llamas (in North America) across the lifespan from fetus to geriatric patient** - Christiane Loehr (Dr. Med. Vet., PhD, DACVP)
 17.50 **Discussion of cases/case sharing**



[Register here!](#)

	Early bird (until 14/04)	Full prices
BSVP member	100	150
BSVP member (trainee)	50	60
Non-BSVP	150	200
Non-BSVP (trainee)	75	100

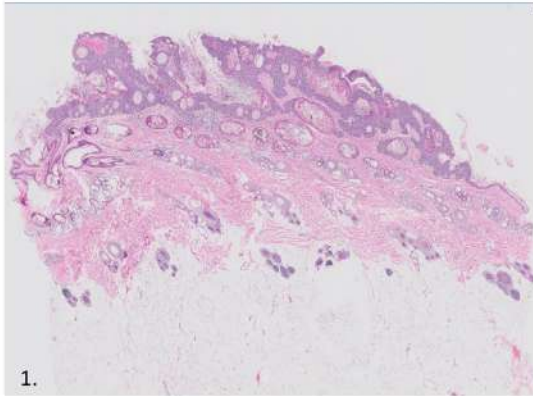
Prices are in GBP and apply for both in-person and virtual tickets. In-person tickets cancelled after 15th of May will incur a cancellation fee of up to 60GBP. Delegates will also have on-demand access to talks for up to 6 months after the event.

Click here for more
information

IDEXX CASECONNEX CORNER

Signalment: 15-year-old, male neutered, mixed breed dog

Source/ History: pigmented dermal mass recently noted by owner



1.

Microscopic Description:

Expanding the epidermis and infundibular follicular epithelium, is a well-demarcated, exophytic to plaque-like proliferation of epithelial cells. The epithelial cells are arranged in sheets, variably wide trabeculae and occasional papilliferous projections with a digitated configuration to the skin surface. Keratinocytes are often more basaloid and well-differentiated, and do not exhibit significant pleomorphism. Keratinocytes within all layers are mildly pigmented. There are multiple variably sized, though often small, keratin filled accumulations (pseudocysts/horn cysts) within the epidermis. There is moderate laminated to basketweave orthokeratotic hyperkeratosis. Within the underlying superficial dermis, there are mild perivascular to interstitial infiltrates of small mature lymphocytes, plasma cells, histiocytes and occasional melanophages.

Microscopic Interpretation:

Seborrheic keratosis

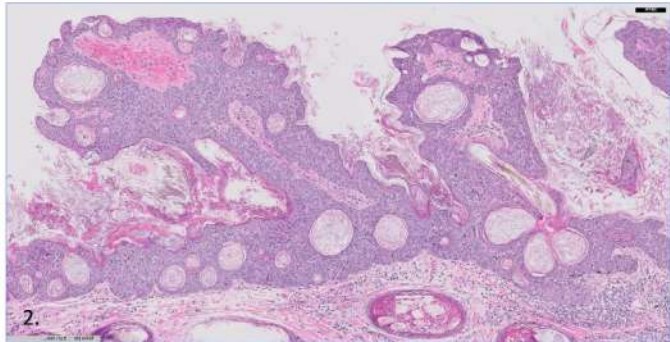
Margin assessment: Appears completely excised

Comments:

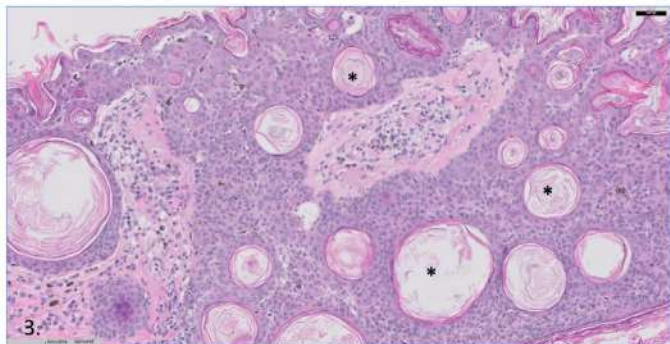
Seborrheic keratosis is an uncommon, benign, epithelial mass. Lesions are typically well demarcated, raised and variably pigmented plaques or waxy and wart like lesions that typically arise in middle-aged to older patients. Lesions may be solitary or multicentric.

There is no reported association of seborrheic keratosis with papilloma virus as there is with canine pigmented viral plaque. Excision of individual lesions is expected to be curative.

References: Bradley, C.W. et al. (2013), Clinicopathological findings of canine seborrheic keratosis with comparison to pigmented viral plaques. Vet Dermatol, 24: 432-e9



2.

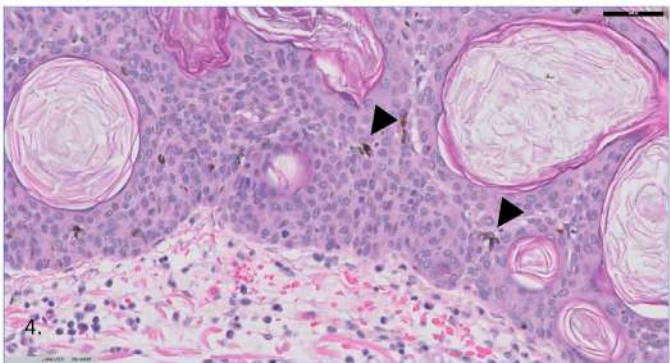


3.

Figure 1. (2X magnification, H&E stain) Expanding the epidermis and infundibular follicular epithelium, is a well-demarcated, raised, exophytic to plaque-like mass.

Figure 2. (10X magnification, H&E stain) Epithelial cells are arranged in sheets, variably wide trabeculae and occasional papillary projections.

Figure 3. (20X magnification, H&E stain) Keratinocytes are often more basaloid and well-differentiated, and there are multiple variably sized keratin filled pseudocysts/horn cysts within the epidermis (asterisks for example).



4.

Figure 4. (40X magnification, H&E stain) Keratinocytes are often more basaloid and well-differentiated, and do not exhibit significant pleomorphism. There is mild melanin pigmentation in the keratinocytes (arrowheads).

Case by:
Joseph Malatos, DVM,
DACVP

IDEXX

CaseConnexx

Visit CaseConnexx.com to Register

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
Brazil	Brazilian Symposium of the C.L. Davis - S.W. Thompson Foundation and National Pathology Meeting - ENAPAVE	Jul 17-20	João Pessoa, Paraíba - Internares hall	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 pathology and mechanisms of diseases / IV Seminar of 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 meeting of the 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 seminar of the C.L. Davis - S.W. Thompson Foundation	TBD	Facultad de Veterinaria, Universidad de la República, Montevideo	Susan Stover, Laura Peña	José Manuel Verdes, Federico Giannitti, Carolina Matto, Fernando Dutra
	Necropsy and gross pathology workshop of the C.L. Davis - S.W. Thompson Foundation and 50th 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

Febrero



Enfermedades del aparato gastrointestinal
Francisco Uzal, DVM, MSC, PhD, DACVP
in Spanish!

Marzo



Casos misceláneos
Francisco Carvalho, MV, DSc, DACVP
in Spanish!

Abril



Patología oral de perros y gatos
Federico Cifuentes, MV, PhD, DACVP
in Spanish!

Mayo

18



Enfermedades virales
Javier Asin, DVM, PhD, DECVP
in Spanish!

Junho

15



Patologia ocular
Rachel Neto DVM, MS, DACVP
in Portuguese!

Julho

20



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

**Click here to register
for individual seminars**

LCPG CORNER

Scholarship awardees January – April 2023

**“Rebroadcast – 2023 General veterinary Pathology Review Course
Dr. Aarathi Sureshkumar, India/Iowa.**

Dr. Ezequiel Salas Cordero, Costa Rica
Dr. Joelma Luciola, Brazil
Dr. Teng Fwu Shing, Brazil
Dr. Cintia Regina Rêgo Queiroz, Brazil

“Introduction to veterinary histopathology” live sessions

Dr. Cristina Toledo, Nicaragua.
Dr. Teng Fwu Shing, Brazil.

Aquapath scholarship awardees:

“Tercer Curso en línea de necropsias, identificación e interpretación de lesiones macroscópicas en animales” (Sponsored by LCPG and Davis Thompson Foundation)”

Dr. Cecilia Degiovanni, Argentina
Dr. Cristina Toledo, Nicaragua.

Congratulations!
LCPG council.



LCPG CORNER

LCPG donors 2023. Thank you!

Thank you for your generous donation to the Latin Comparative Pathology Group! Donors like you are vital to the continued success of our mission to promote education and scientific progress in comparative pathology in Latin America, and we are grateful for your support.

Dr. Jaime Campuzano Granados
Dr. Irma Eugenia Candanosa Aranda
Dr. Francisco Carvallo
Dr. Ingeborg Langohr
Dr. Melissa Macias Rioseco
Dr. María José Navarrete Talloni
Dr. Gaby Beatrice Salas Castillo
Dr. Francisco Uzal

Sincerely
LCPG council.



LCPG CORNER



Davis-Thompson
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CURSO DE NECROPSIAS EN ANIMALES DOMESTICOS

20 Y 21 DE AGOSTO, 2023

IN-PERSON

Universidad de Ciencias
comerciales- Nicaragua



**Guillermo
Rimoldi**
MV, DACVP



**Francisco R.
Carvalho**
MV, DCs, DACVP



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's head with a red tumor, a microscopic view of purple-stained cells, a white cat's face, a cross-section of a brain, and a group of people in a seminar. 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

MISCELLANEOUS ANNOUNCEMENTS



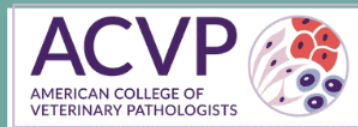
Please contact one or more of the following if you are interested in volunteering:

- Dr. Koehler: jaw0007@auburn.edu
- Dr. Uzal: fauzal@ucdavis.edu
- Dr. Williams: bruce.h.williams.dvm@gmail.com

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



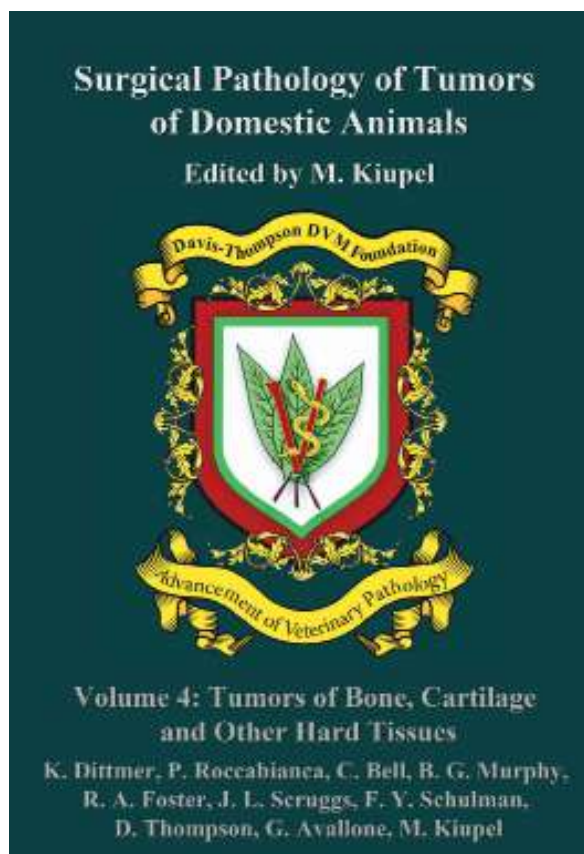
Cindy Bell, DVM, DACVP

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



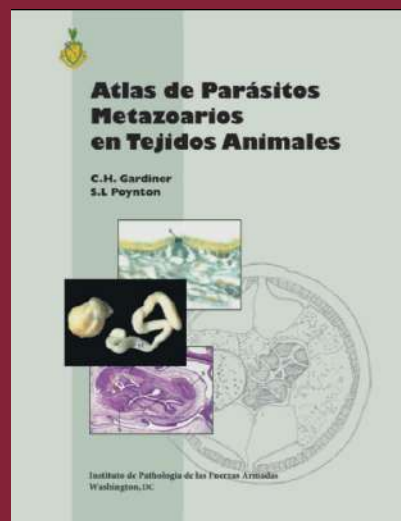
[CLICK HERE](#) to order your copy today!

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!



**Davis-Thompson
Foundation**

DAVIS-THOMPSON FOUNDATION

Phone: 847-367-4359

Fax: 847-247-1869

davis-thompsonfoundation.org

cldavisdvm@comcast.net

MAY 2023