



**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

October

VOL. 53



Cat. Eyeball. Feline ocular post-traumatic sarcoma

What is the tissue of origin for feline ocular post-traumatic sarcoma?

- A. Sclera
- B. Lens epithelium
- C. Tapetum
- D. Ciliary epithelium
- E. Retinal pigmented epithelium

INSIDE THIS ISSUE

Monthly cover photograph winner:
Comparative Ocular Pathology Laboratory of Wisconsin (COFLOW)
Answer: B. Lens epithelium

-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 October issue of the Davis-Thompson Foundation newsletter, with the compliments of our great managing editors, Drs. Javier Asin and Jeann Leal. As always, our seminars are attracting large audiences all over the world. As an example, please look at the photo of the huge crowd (310 attendees!!) gathered to listen to Dr Melissa Macias speaking on Reproductive Pathology during the recent Paraguayan Seminar of the Foundation, organized by Dr Leila Maidana in Asuncion, Paraguay. Congratulations Melissa, Leila and colleagues!

In addition to our traditional in person and virtual training activities in several languages, this month, I would like to highlight a few very significant events coming up:

-Identification of protozoan and metazoan parasites in tissue sections. AAVLD pre-meeting seminar. October 13, 2023. Instructor: Chris Gardiner (pre-registration is closed, but on-site registration will be available the day of the seminar).

-Tumors of the Urogenital System: No Kidneying, Ovary-reacting, or Testifying! ACVP pre-meeting seminar. October 28, 2023. Instructors: Drs. Rob Foster, Renee Laufer-Amorin, Dorothee Bienzle, Valeria Grieco and Chiara Palmieri.

-Latinamerican Roadshow: Veterinary Neuropathology. Mexico, Brazil, Peru and Chile. Please see the following pages for details in each country. Instructor: Marti Pumarola.

-Curso Descriptivo de Patologia Veterinaria de America Latina (Veterinary Pathology Descriptive Course for Latin America; Costa Rica). December 15-18. Instructors: Jey Koehler, Ana Alcaraz and Patty Pesavento.

MESSAGE FROM THE CEO

Also, please have a look at the announcement of "Seminarios de Macroscopia", a new initiative of the Brazilian Association of Veterinary Pathology, in collaboration with the Davis-Thompson Foundation.

Once again, Dr Roger Kelly, University of Queensland, Australia, has generously provided an interesting article on liver fixation for EM, which is featured in the "Expert's Corner". This time, the article is authored by Dr Kelly and one of his former graduate students, Dr Majid Ghoddusi. Thank you, Roger and Majid!

Last, but not least, please do not miss our now regular "Volunteers corner", prepared by Dr Rafaela De Negri (thank you Rafa!!!), where we highlight the great and generous work done by our outstanding volunteers. Please consider reaching out and thank them for the terrific job they do.

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

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



THE EXPERT'S CORNER

Perfusion Fixation of Liver for Electron Microscopy

by Roger Kelly and Majid Ghodduzi

Fixation of any tissue for electron microscopy is best achieved by perfusion of the tissue with chilled buffered glutaraldehyde via its arterial supply. But to run in a large volume of expensive fixative via an aortic cannula is problematic and wasteful in animals and birds larger than rats. We have had success in chickens and dogs by injecting the fixative (10-20ml) just beneath the liver capsule using a fine flexible cannula.

A 3cm 23 gauge Record hypodermic needle is nicked with a capsule file at about half its length, and the needle is broken by bending back and forth through a shallow angle at the nick (the shallow angle ensures that the lumen is not burred over and occluded). The proximal end of the distal fragment is inserted into thin polythene tubing (about 10cm long) just wide enough to allow the blunt needle end to be inserted. The join should of course be completely water-tight. The other end of the tube is then forced over the stub of the needle protruding from the Record fitting (see figure 1).

Birds were anaesthetised by intramuscular injection of a mixture of ketamine (25mg/kg) and xylazine (20mg/kg). This gives you plenty of time to expose the liver without the blood pressure falling. Having an assistant is important because the sternum needs to be held up out of the way. The fixative of choice (we used 3% glutaraldehyde in 0.066m cacodylate buffer at pH 7.2) has beforehand been prepared fresh from stock solutions and drawn up into a 10ml syringe.

The needle is gently slipped through the liver capsule at a fairly narrow angle, and

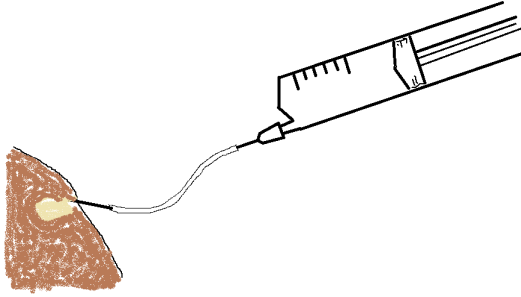
left there without trying to hold it in place. The flexible plastic tubing allows injection of fixative to be made without any disruptive movements of the needle, which would be inevitable if the needle was directly connected to the syringe.

The idea is to be able to see the change in the parenchyma around the needle as you inject, so you don't want the needle-tip diving down too deep. This would also increase the chance of the fixative entering a larger vein and bypassing the sinusoids.

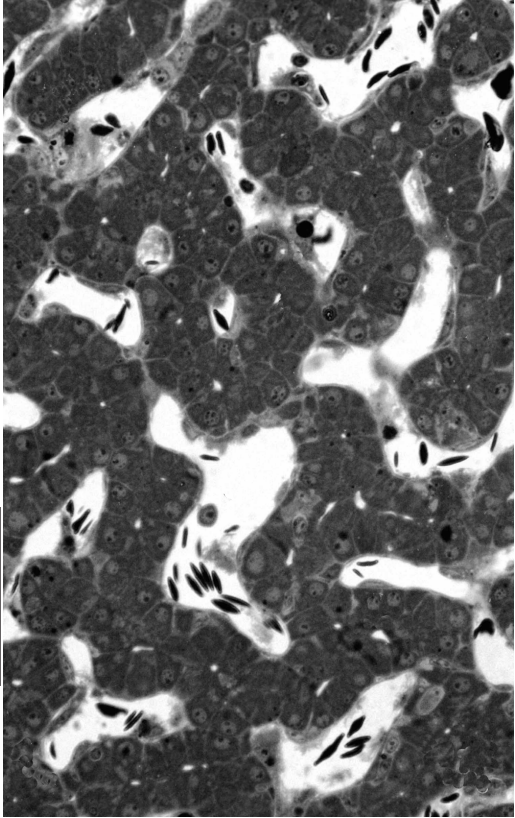
The pressure used to inject the fixative was not critical. If you are too strong, you will see locally disrupted parenchyma on slicing the perfused tissue; in this case, make sure you select a site a bit further away from the needle entry site that shows the firm, homogenous yellow appearance of glutaraldehyde-fixed liver. We just pushed it in at a rate of about 5ml/min and hoped to see an immediate yellow firm zone spread out from the injection site. As soon as the 10ml was gone, we killed the bird with barbiturate I/V and carefully cut out the perfused area as a 1cm cube and sliced it into 1mm slices into a puddle of cold fixative on a concave wax board. These 1cm slices can be quite large in area provided that they are no more than 1mm thick. If you use a magnifying loupe, you can select the most promising bits of these slices and cut them out and fix them some more (an hour or so in the cold) before osmication and further processing.

The same technique can of course be adapted for use on any creature with a liver.

THE EXPERT'S CORNER

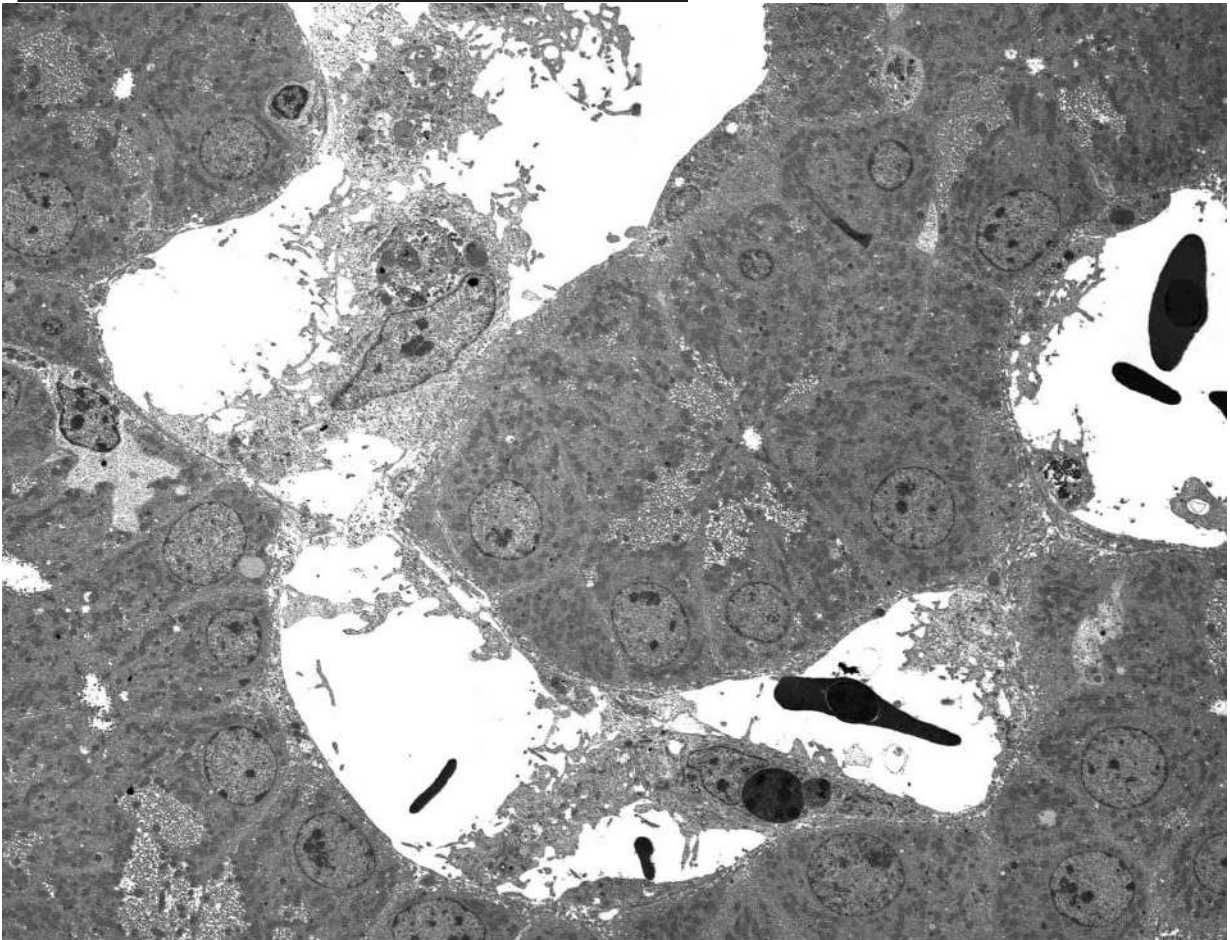


1. Flexible tubing used to avoid needle movement



2. Toluidine blue-stained 1 μ m survey section; avian liver

3. EM showing excellent presentation of sinusoidal cells as well as hepatocytes. Avian liver

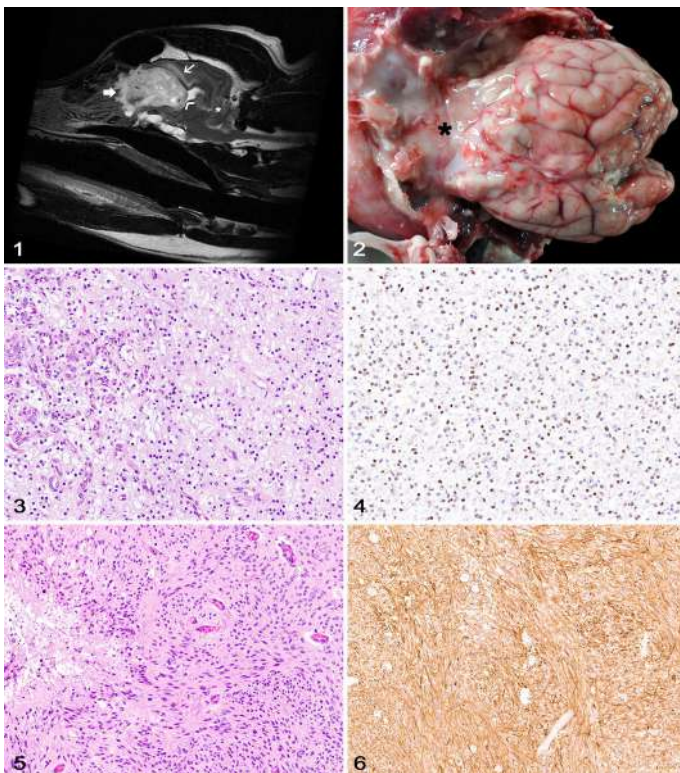


JVDI IN FOCUS

Our October focus is an article appearing in the November issue: **“Glioma with cribriform plate involvement in 6 dogs”** by Vicente A. A. Reyes, Elizabeth W. Howerth, Uriel Blas-Mac-hado, Simon R. Platt, Saulo P. Pavarini, Lucas T. Castro, Molly E. Church, Daniel Rissi.

J Vet Diagn Invest 2023;35(6). doi:10.1177/10406387231195291
<https://journals.sagepub.com/doi/full/10.1177/10406387231195291>

Distinct patterns of local infiltration are a common feature of canine oligodendroglioma and astrocytoma, and typically involve the surrounding neuroparenchyma, ventricles, or leptomeninges. Infiltration of adjacent extraneural sites is rare and has not been well documented in veterinary medicine. Here we describe 6 canine gliomas with cribriform plate involvement (compression or infiltration) and caudal nasal invasion confirmed by neuroimaging, autopsy, and/or histology. All affected dogs were adults (9–12-y-old), and 3 were brachycephalic. Clinical signs were associated with the brain tumor, with no respiratory signs reported. Magnetic resonance imaging in 2 patients revealed a rostral intraparenchymal telencephalic mass with extension into the cribriform plate. All dogs were euthanized. Gross changes consisted of poorly demarcated, white or pale-yellow, soft, and, in oligodendrogliomas, gelatinous, intraparenchymal masses that expanded the rostral portions of the telencephalon and adhered firmly to the ethmoid bone and cribriform plate. Gliomas were classified as high-grade oligodendrogliomas (4 cases) and high-grade astrocytomas (2 cases) based on histology and immunohistochemistry for OLIG2 and GFAP. In all cases, there was evidence of cribriform plate invasion and, in one case, additional invasion of the caudal nasal cavity.



Figures 1–6. Canine glioma with cribriform plate involvement.

Figure 1. Magnetic resonance image (MRI), dog 1. Parasagittal T2W MRI of the head evidencing a large, heterogeneously hyperintense intraparenchymal frontal lobe mass that extends rostrally through the cribriform plate and extraparenchymal spaces (thick arrow). The mass compresses the ipsilateral lateral ventricle (arrowhead). The perilesional white matter is hyperintense (thin arrow), consistent with vasogenic edema. There is caudal transtentorial herniation of the quadrigeminal plate and occipital lobe leading to compression of the cerebellum (asterisk).

Figure 2. Brain, dog 5. A poorly demarcated, pale-tan, soft mass (asterisk) expands the frontal telencephalic lobe and infiltrates rostrally into the paranasal region and rostral cranial fossa.

Figure 3. High-grade oligodendroglioma in the brain of dog 1. Neoplastic cells have round nuclei, a perinuclear, clear, non-staining halo, and are supported by a fine network of branching capillaries and a faintly basophilic mucinous stroma. There is microvascular proliferation (left). H&E. **Figure 4.** High-grade oligodendroglioma in the brain of dog 1. Neoplastic cells have robust nuclear immunolabeling for OLIG2.

Figure 5. High-grade astrocytoma in the brain of dog 2. Neoplastic cells have slightly elongate cytoplasm and nuclei elongate nuclei, with a streaming or palisading pattern, and are supported by a faintly eosinophilic fibrillar stroma. An area of necrosis is also present (left). H&E. **Figure 6.** High-grade astrocytoma in the brain of dog 2. Neoplastic cells have robust cytoplasmic immunolabeling for GFAP.

VOLUNTEER CORNER

*Hello! I'm
Morgan Matthews*

What's your background?

I went into vet school with the goal of being a small animal practitioner. I ended up on the pathology track by the end of my third year. I graduated from North Carolina State University, College of Vet Med and then completed an anatomic pathology residency at Cummings School of Vet Med at Tufts University. I currently work as an Anatomic Pathologist at IDEXX.

What's your role at the foundation?

I am a RACE coordinator. I process the documents necessary for the review and approval of all seminars going through the RACE application process.

Tell us more about yourself!

I love trying new things, but I'm not good at continuing those new things to call them a "hobby." I will try almost any creative/art medium. I've been painting with acrylics for years and hopefully can try oils one day. I also love to read, go running with my Australian Kelpie, and play video games (mainly Zelda).

**Davis-Thompson
Foundation**

HISTOLLOWEEN CONTEST



Davis-Thompson
Foundation

HISTOLLOWEEN CONTEST

OCTOBER 2023

SHARE A HISTOLOGICAL IMAGE THAT RESEMBLES A HALLOWEEN THEME ON IG OR FB BY **OCT 20 AND TAG US!**

VOTE ON YOUR FAVORITE ON **OCT 21**

WINNER WILL BE ANNOUNCED ON **OCT 25**

WINNER WILL RECEIVE A FREE REGISTRATION TO A FULL -DAY SEMINAR





DIAGNOSTIC EXERCISE



Case #: 218; **Month:** August; **Year:** 2023

Contributors: Shakirat A. Adetunji, DVM, MS, PhD^{1,2} sadetunji@vet.k-state.edu; Brittany L. Rasche DVM, DACVP^{1,2}

¹Department of Diagnostic Medicine/Pathobiology. College of Veterinary Medicine, Kansas State University, Manhattan, KS, USA

²Kansas State Veterinary Diagnostic Laboratory, Manhattan, KS, USA

Clinical History: An adult female Boer goat gave birth to two weak kids, one of which died within one hour after birth. Hard, firm caruncles were reportedly palpated in the uterus of this doe. The dead neonate and associated placenta were submitted to the Kansas State Veterinary Diagnostic Laboratory for necropsy and ancillary diagnostic testing.

One other doe on the farm had recently given birth to an apparently healthy kid as well as a mummified fetus. Two other does on the farm had kidded that season with no apparent issues.

Gross Findings: The placenta was diffusely moderately thickened and gelatinous (**Figure 1**). Most of the cotyledons had multiple, randomly distributed, pinpoint, tan foci. The intercotyledonary areas had multifocal to coalescent pale tan plaques. Moderate amount of thick, tan, cloudy, exudate was adherent along the chorionic surface of the placenta.

No gross lesions were observed on postmortem examination of the neonate.

Follow-up questions (*see images in next page*):

- *Gross morphologic diagnosis?*
- *Histopathologic diagnosis?*
- *Potential etiologies?*
- *Additional diagnostic tests?*



DIAGNOSTIC EXERCISE



Gross image:



Figure 1

Microscopic images:

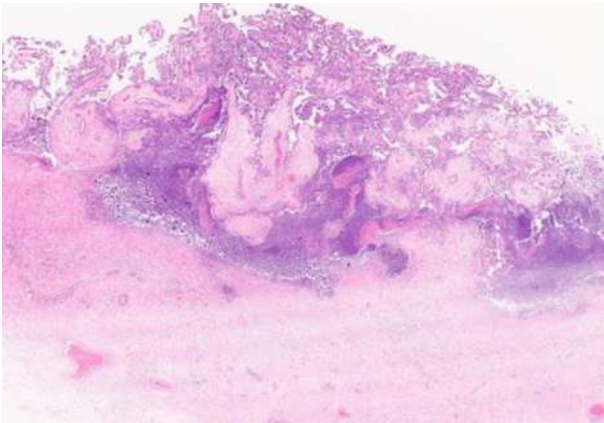


Figure 2

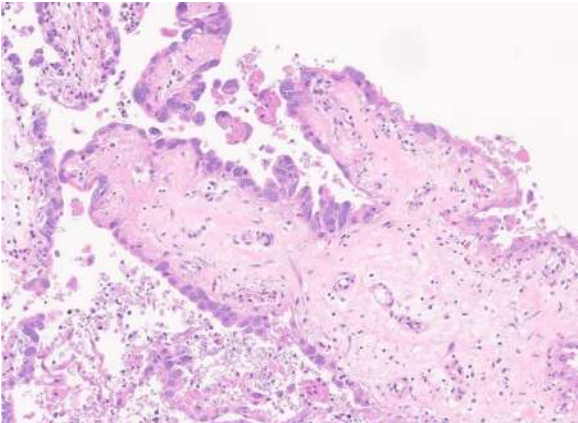


Figure 3

[Click here for answers](#)

Editor-in-chief: Claudio Barros
Associate Editor for this Diagnostic Exercise: Ingeborg Langohr

SEMINAR REVIEWS

2023 European Division Meeting, Ocular Pathology, 28-29th August, Lisbon, Portugal

by Prof Simon Priestnall, Board Member, Davis-Thompson Foundation

This year's European Division Meeting took place in Lisbon, Portugal, before the ECVP/ESVP Annual Meeting. Our venue, adjacent to the Lisbon Congress Centre, was Belém on the banks of the mighty Tagus River with spectacular views of the mighty ('Golden Gate-style') 25th April bridge, the Christ the King statue and the landmark medieval Belém tower guarding the entrance to the Tagus estuary.

Drs Emma Scurrell (Cytopath, UK) and Carol Naranjo (Idexx, Spain) kept us entertained for two days with captivating and beautifully illustrated lectures and interactive case discussions on ocular pathology. These two internationally renowned experts provided not only an overview of ocular lesions covering all the components of the eye from cornea to optic nerve, but also discussed tricks they use to narrow down differentials. Their breadth of experience was clear and always linked with clinical vignettes obtained through close working with ophthalmologists.

The meeting was one of the largest the Foundation's European Division has hosted for a number of years with 60 participants from many countries including as far afield as South Africa, Japan as well as the USA and clearly demonstrated the many benefits of in-person meetings with many new collaborations made and experiences exchanged during the refreshment and lunch breaks. We hope to see many colleagues and friends for the 2024 meeting in Madrid.



SEMINAR REVIEWS

4th Eastern European Meeting of the Davis Thompson Foundation 6-8th September 2023, Sarajevo, Bosnia and Herzegovina

by Prof Simon Priestnall, Board Member, Davis-Thompson Foundation &
Dr Alejandro Suárez-Bonnet, European Division, Davis Thompson Foundation

This year's Foundation meeting in Eastern Europe was held in Sarajevo, the historic capital of Bosnia and Herzegovina and masterfully hosted by Prof Senad Prašović, Prof Amer Alić and Jovana Šupić from the Faculty of Veterinary Medicine at the University of Sarajevo. The venue was the Hotel Holiday, built for the Olympic Games in Sarajevo in 1984, and retaining much of its original charm. Prof Corrie Brown, UGA, opened the meeting with a very interactive review of infectious diseases and pathology of poultry followed by an excellent review of pigeon pathology by local expert Prof Alić from the University of Sarajevo. During the afternoon course participants engaged in a poultry necropsy session at the veterinary faculty seeing first hand some of the lesions discussed during the morning with expert guidance from Prof Brown. That evening participants took part in a walking tour of the old city of Sarajevo hearing about the place where World War One started and the more recent conflict, felt acutely in Sarajevo, with the breakup of the former Yugoslavia. Many of the buildings still clearly bearing the scars of these challenging former times.

Day two was the turn of Foundation CEO Prof Paco Uzal, UC Davis, who continued the thoroughly engaging theme of audience participation with a review of Newcastle Disease including the approach to outbreaks and then two gross-histopathology correlate quizzes highlighting key diagnostic features and tips for those taking pathology specialist exams. During the afternoon we took a coach trip through the beautiful Bosnian mountains, following the course of the Neretva River to the city of Mostar. Here we had the opportunity to cross the emblematic Stari Most (bridge) and witness the daring cliff divers launching the 24m from the bridge into the blue



SEMINAR REVIEWS

waters of the river below. One brave course participant from Hungary even took the chance to have a go! This trip, as well as highlighting the cultural richness of the country, where mosques, churches and synagogues nestle together, provided a perfect opportunity for participants to get to know each other and share ideas and experiences.

The final day our subject was small ruminant pathology and our speaker, Prof Lluís Luján from the University of Zaragoza, Spain, presented a very comprehensive and beautifully illustrated review of systemic pathology of sheep and goat. Prof Luján's diagnostic expertise were clear when he discussed clues to make distinctions between grossly similar lesions in the necropsy room, such as distinguishing the lung lesions of ovine pulmonary adenocarcinoma from those of small ruminant lentiviruses. The very successful and enjoyable meeting concluded with a farewell dinner and the baton was passed to colleagues from neighbouring Croatia who will be hosts for the 2024 meeting. A special thank-you to Foundation Board Member Dr Tamara Dolenshek of the Veterinary Faculty of Ljubljana, Slovenia for co-ordinating the meeting.



SEMINAR REVIEWS

5th Mexican Seminar of the Davis-Thompson Foundation 21st-22nd September 2023, Puebla, Mexico

by Dr Ubicelio Martin Orozco

The 5th Mexican Seminar of the Davis-Thompson Foundation was held in the city of Puebla, Mexico, on September 21 and 22, at the facilities of the Popular Autonomous University of Puebla (UPAEP). The main topic of the Seminar was “Neoplastic Disorders of the Mammary Gland in small animals” with a total duration of 12 hours. Several lectures dealt with most aspects of mammary gland neoplasia, including grading and prognosis, immunohistochemistry, cytological diagnosis and animal models of mammary cancer. We had the participation of outstanding speakers, including Dr. Laura Peña (Spain), Dr. Laura Romero, Dr. Cristina Miranda, Dr. Karla Torres and Dr. Ignacio Rangel (the last four from Mexico). The Seminar was organized by the Mexican Society of Veterinary Pathologists. The seminar was presented in hybrid mode, with an attendance of 55 people in person and 13 virtual. The audience included undergraduate and graduate students, clinicians and pathologists from different parts of Mexico.



Attendees of the 5th Mexican seminar of the Davis-Thompson foundation in Puebla, Mexico.

Organizers and speakers of the 5th Mexican seminar of the Davis-Thompson foundation in Puebla, Mexico. From Left to right Dr. Ignacio Rangel, Dr. Ubicelio Martin, Dr. Laura Peña, Dr. Itzel Yáñez, Dr. Laura Romero, Dr. Mario Bedolla, Dr. Ileana Martínez, Dr. Alejandra Quñones and Dr. Juan Velazco.



SEMINAR REVIEWS

2023 Australian Society for Pathology and DTF Scientific Conference 9-10th September 2023, Adelaide, Australia

by Allan Kessell ASVP & Tony Ross ASVP

The conference had as its theme the Hepatobiliary System, and the presentations were designed to be an interaction between clinical and anatomical pathology and internal medicine. The 3 keynote speakers were boarded in Clinical Pathology (Natalie Courtman), Anatomical Pathology (Sean McDonough) and Internal Medicine (Jonathon Lidbury). The presenters discussed a number of old favourites but also some emerging and sometimes contentious subjects and used a case-based approach to highlight the process of diagnosis. One of the speakers was generously supported by the Davis Thompson Foundation.

Some of the subjects covered, besides some basics to start, were sampling of the liver (both for cytology and histopathology), imaging, portal hypoperfusion, ductal plate abnormalities, liver nodules and primary tumours, cholangitis in cats, chronic hepatitis and the role of copper, vascular hepatopathy and gall bladder disease in the dog.

There were also great presentations on ruminant and avian liver diagnostic pathology, and of course we had a great set of member and student presentations – we even had a case of congenital shunting in a bovine.

The conference was a great success with good audience participation, many questions from the floor, and good interaction between the main speakers. There was plenty of time to catch up with friends and colleagues, and the venue was excellent. An evening panel discussion went for 2 ½ hours.

Attendees repeatedly gave feedback that this was one of their favourite conferences in years, ASVP is already working on the next one, and hopes to see some of you there- it will be in Adelaide again in 2024.



SEMINAR REVIEWS

4th Paraguayan Seminar of the Davis-Thompson Foundation 27-28th September, Asuncion, Paraguay

by Leila Maidana

The 4th Paraguayan Seminar of the DTF was held on 27 and 28 September in Asuncion, Paraguay. The meeting was organized by the Department of Pathology, in the Veterinary Faculty of the National University of Asunción.

A total of 310 attendees followed enthusiastically the 16 hours of great presentations on Pathology of the Male and Female Reproductive System given by Dr. Melissa Macias-Rioseco, from UC Davis. Dr Macias-Rioseco established a great rapport with the audience, which interacted actively with her during the whole seminar.



Dr Macias-Rioseco lecturing



The course participants packed the lecture room!

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				

17° 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 Castañares 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](#)

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



Virtual



\$75

4 MOC credits
RACE approval, pending

[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



**PRE-REGISTRATION CLOSED
ON-SITE REGISTRATION AVAILABLE**



Davis-Thompson
Foundation



DR. CHRIS GARDINER

Joint Pathology Center

Register on-site

VENEZUELAN MEETING



Davis-Thompson Foundation



GLPCL

SIMPOSIO
2023

INTERNACIONAL VENEZOLANO DE MEDICINA VETERINARIA

Abordaje Clínico Oncológico de las neoplasias en perras y gatas

19 A 21 DE OCTUBRE 2023
HOTEL TIFFANY VENEZUELA
8 A 19 HS

PRE-SIMPOSIO
De la Sub División Venezolana de la fundación Davis Thompson y el Grupo Latino de Patología Comparada



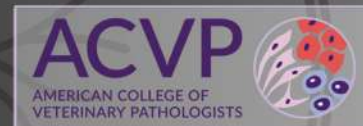
[Click here to register](#)

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 I



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.

[Click here to register](#)

NECROPSY COURSE



Davis-Thompson
Foundation

ECFVG CPE PREP NECROPSY COURSE

Prepare for the necropsy portion
of the ECFVG's CPE exam with
Veterinary Pathologists



Rafaela De Negri
DVM, MSc

Nathan Helgert
VMD, DACVP

Demonstration

Hands-on practice

Mock exam

PRE- REGISTER NOW

pre-registration closes Oct 10

www.davisthompsonfoundation.org

DATE
11-12 NOVEMBER 2023



TIME
08.00 AM - 4.00 PM



SITE
BREATHITT VETERINARY CENTER
HOPKINSVILLE, KY



In person (limited to 10)

+



virtual (unlimited)

[Click here to register](#)

GROSS SEMINARS ABPV & DTF

abpv.vet.br



SEMINÁRIOS DE MACROSCOPIA

 <p>DRA. RAQUEL RECH TEXAS A&M UNIVERSITY</p>	 <p>DR. FELIPE PIEREZAN UNIVERSITY OF FLORIDA</p>	 <p>DR. JOÃO CAVASIN TEXAS A&M UNIVERSITY</p>	 <p>DRA. INGEBORG LANGOHR SANOFI</p>
<p>15 SETEMBRO 2023</p> <p>18:00H - 19:00H</p>	<p>13 OUTUBRO 2023</p> <p>19:00H - 20:00H</p>	<p>10 NOVEMBRO 2023</p> <p>19:00H - 20:00H</p>	<p>08 DEZEMBRO 2023</p> <p>19:00H - 20:00H</p>

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GRATUITO PARA SÓCIOS ABPV

APOIO:



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SEMINAR SERIES IN PORTUGUESE I



The poster features a dark teal background with a white shield logo on the left containing a caduceus and a scale. To its right is the text 'Davis-Thompson Foundation'. Below this is a circular logo for 'Associação Brasileira de Patologia Veterinária' with a caduceus. A blue map of South America is positioned above the main title. The main title 'Seminar Series in Portuguese' is in large, bold, orange letters. Below it, the date 'Quarta, 15 de Novembro, 2023' and time '18:00-19:30 BST' are in white. The topic 'Patologia de primatas neotropicais de vida livre' is in large, bold, red letters. A photograph of a woman with glasses, Ayisa Rodrigues, is on the right. Two images of a brown monkey are on the left: one swinging from a rope and one sitting. The woman's name and credentials 'Ayisa Rodrigues DVM, PhD' are in white text at the bottom.

Davis-Thompson Foundation

Associação Brasileira de Patologia Veterinária

**Seminar Series
in Portuguese**

Quarta, 15 de Novembro, 2023

18:00-19:30 BST

**Patologia de primatas
neotropicais de vida livre**

Ayisa Rodrigues
DVM, PhD

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SEMINAR SERIES IN SPANISH II






Seminar Series in Spanish

Toxiinfecciones e Intoxicaciones:

Enfermedades Clostridiales & Intoxicaciones por Plantas en Animales de Producción



FRANCISCO UZAL
DMV, MSC, PhD, DACVP
Universidad de California Davis



FRANKLIN RIET-CORREA
DMV, MSC, PhD, ACVP HONOR
Universidad Federal de Campina Grande

 **Viernes, 24 de noviembre de 2023**
 **08:00 – 12:00**

 Anfiteatro de CEGOE, UFRPE, Pernambuco, Brazil
 

REGISTRO GRATUITO Y OBLIGATORIO

APOYO:



Registration information coming soon in the website

SEMINAR SERIES IN PORTUGUESE II



Davis-Thompson Foundation

Associação Brasileira de Patologia Veterinária

GTOP

Seminar Series in Portuguese

Quarta, 13 de Dezembro, 2023

18:00-19:30 BST

Neoplasias espontaneas em animais de laboratorio

Ileana Miranda
DVM, MSC, DACVP

[Click here to register](#)

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



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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

Signalment: 11-year-old, female spayed, mixed breed dog

Source/ History: Ulcerated, pedunculated, focal lesion hanging from lower right lip.

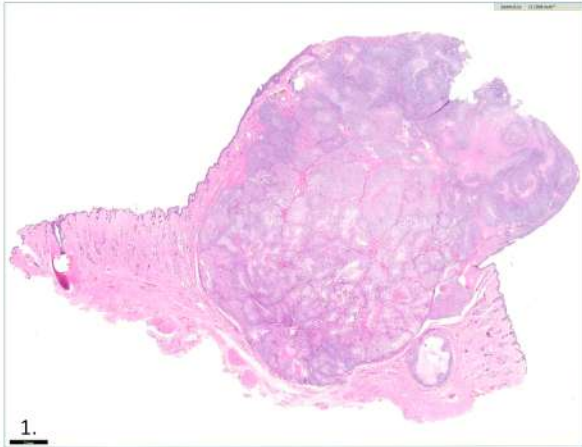
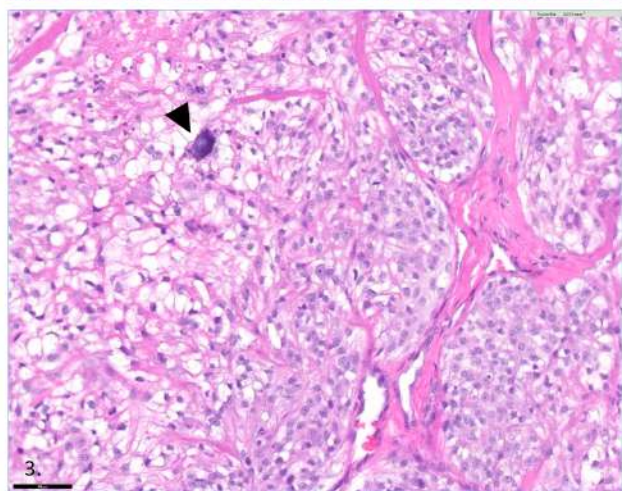
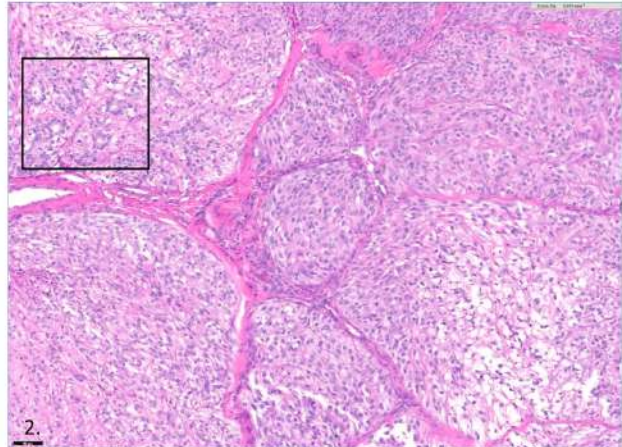


Figure 1. (0.5X magnification, H&E stain) Expanding the dermis and superficial subcutis, and raising the overlying hyperplastic and ulcerated epidermis, is a fairly well-demarcated, unencapsulated, multilobular mass.



Figures 2 (20X magnification, H&E stain) and 3 (40X magnification, H&E stain) The mass is composed of polygonal to spindloid cells forming lobules, nests and rare ducts/tubules (black square) surrounded and separated by mild fibrovascular to collagenous septa. Neoplastic cells have moderate amounts of pale eosinophilic, often vacuolated/clear cytoplasm with round to oval nuclei, finely stippled chromatin and one to two small nucleoli. There are rare small foci of mineralization in the mass (arrowhead).

Histopathologic Description:

Expanding the dermis and superficial subcutis, and raising the overlying hyperplastic and ulcerated epidermis, is a fairly well-demarcated, mildly locally infiltrative, unencapsulated, multilobular, raised mass. The mass is composed of polygonal to spindloid cells forming variably sized broad lobules, nests and rare tubules with mild fibrovascular to collagenous septa separating the lobules. The cells have variably distinct cell margins, moderate amounts of pale eosinophilic, often vacuolated/clear cytoplasm with round to oval nuclei, finely stippled chromatin and one to two small nucleoli. There is mild to moderate anisocytosis and anisokaryosis. There is mild to moderate multifocal necrosis in the mass and a focally extensive region of reactive fibroplasia subjacent to the ulceration. There is minimal scattered mineralization in the mass.

Interpretation:

Clear cell adnexal carcinoma
Mitotic count: 18 in ten high power fields (total area of 2.37 mm²)
Vascular invasion: Not observed

Comments:

Clear cell adnexal carcinomas are uncommon cutaneous tumors thought to originate from a common cutaneous epithelial stem cell and are considered a poorly differentiated adnexal neoplasm. In this mass, there are scattered tubular

structures, which could suggest mild apocrine gland differentiation. Most clear cell adnexal carcinomas are slow growing. In one report, out of 26 cases, local recurrence was noted in one case and metastasis to regional lymph nodes was noted in two cases. Possible pulmonary metastasis was noted radiographically in one case.

By immunohistochemistry, masses in this report stained positively for cytokeratin (AE1/AE3) and vimentin, variably with S-100 protein and melanA, and negative for negative for smooth muscle actin and calponin.

Reference: F. Y. Schulman, T. P. Lipscomb, T. J. Atkin (2005) Canine cutaneous clear cell adnexal carcinoma: histopathology, immunohistochemistry, and biologic behavior of 26 cases. *J Vet Diagn Invest* 17:403-411.

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 of the C.L. Davis - S.W. Thompson Foundation and National Pathology Meeting - ENAPAVE		UnP, 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 27-28	UnB, Brasilia	Marti Pumarola	Francisco Carvallo, Francisco Uzal
Chile	Latin American ROADSHOW of the C.L. Davis - S.W. Thompson Foundation (Brazil, Chile, Mexico, Peru)	Nov 3-4	Universidad Andrés Bello, Campus Casona Las Condes, Santiago	Marti Pumarola	Francisco Carvallo, 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 23-24	FMVZ UNAM, México City	Marti Pumarola	Francisco Carvallo, 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		Universidad San Carlos de Guatemala, Guatemala City	Corrie Brown, Javier Asin, Francisco Carvallo	Deborah Rodriguez
Nicaragua	1st Nicaraguan meeting of the C.L. Davis - S.W. Thompson Foundation		Laboratorio de Morfología, Universidad de Ciencias Comerciales, Managua	Francisco Carvallo, Guillermo Rimoldi	Jose Lara, Cristina Toledo
Paraguay	4 th Paraguayan seminar of the of the C.L. Davis - S.W. Thompson Foundation		Veterinary Faculty, National University of Asuncion, Asuncion	Melissa Macias-Rioseco	Leila Maidana
Perú	Latin American ROADSHOW of the C.L. Davis - S.W. Thompson Foundation (Brazil, Chile, Mexico, Peru)	Oct 31-Nov 1	FMV-UNMSM, Lima	Marti Pumarola	Francisco Carvallo, Francisco Uzal
Uruguay	9th Uruguayan seminar of the C.L. Davis - S.W. Thompson Foundation	Oct 28-29	Facultad de Veterinaria, Universidad de la República, Montevideo	Susan Stover	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		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 SaLourdes
Venezuela	Pre-Symposium in the Venezuelan International Symposium of Veterinary Medicine	Oct 19 a 21	Hotel Tiffany, Barquisimeto	Jose Alberto Angulo Francisco Uzal Yaritza Salas Nyrky Matheus Laura Romero Rebeca Reyes Oswaldo Parilli Claudio Barros	Yaritza Salas

LCPG CORNER



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



Davis-Thompson
Foundation

Agosto



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



12:30 PM

Setembro



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

Veterinary Research Communications Special Edition on Diseases in Old and New World Camelids

The large and the small, living in the desert or in the highlands, from the Old to the New world. These are parallelisms once common to camelids. In the last couple of decades, camelids have become more geographically spread and gained relevance in science and the economy. Aware of the veterinary challenges that the new role camelids have, we at the journal *Veterinary Research Communications* invite researchers around the globe to submit their research to the Special Edition on Diseases in Old and New World Camelids. The subjects of reference include, but are not limited to, the production medicine of camelids, infectious, and non-infectious diseases, and emerging pathogens, zoonotic or high-impact pathogens, among others. Note: this call was originally designed to focus on South American Camelids.

Full papers, brief reports, and review articles will be considered, and all manuscripts will be subjected to the routine peer review system of the journal. The deadline for submissions has been extended to October 31, 2023.

If you are unsure if your research is suitable for the special Edition, please contact the Guest Editor directly.

Dr. Melissa Macias-Rioseco (mmaciasrioseco@ucdavis.edu)

See more details here:

<https://link.springer.com/collections/jjaecahbac>

LCPG CORNER

Dr. Francisco Carvalho's activities in Latin America highlighted in VMCVM news



Carvalho empowers Latin American veterinarians through pathology education in Guatemala and Nicaragua

Personally, and professionally, Francisco Carvalho is deeply invested in spreading veterinary knowledge across Latin America. Carvalho is a native of Chile, president of the Latin Comparative Pathology Group, and vice president for Latin America with the Davis-Thompson Foundation, a 50-year-old organization dedicated to the advancement of veterinary and comparative pathology education worldwide.

[Click here for more details](#)

LCPG CORNER



The poster features a teal background with a white dashed border. At the top left is the Davis-Thompson Foundation logo, a red shield with a white caduceus and the text "Davis-Thompson Foundation". To its right is the "LATIN AMERICAN ROAD SHOW 2023" logo, a circular emblem with a road winding through a sunburst and the year "2023". Further right is the LCPG logo, a blue hand holding a syringe with the letters "LCPG" written vertically. A red map of Mexico is centered, with a red arrow pointing to the text "MEXICO OCT 23 - 24" and "FMVZ UNAM, Mexico city". Below this is a circular portrait of Marti Pumarola Batlle. To the right of the portrait is a dark blue rounded rectangle containing the text "VETERINARY NEUROPATHOLOGY" in white. Below the portrait is the text "MARTI PUMAROLA BATLLE" and "DVM, PHD, DECVP, DECVN". At the bottom left are two circular logos: the "FACULTAD NACIONAL DE MEDICINA VETERINARIA Y ZOOTECNIA" logo with the year "1853", and the "UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO" logo.

Davis-Thompson Foundation

LATIN AMERICAN ROAD SHOW
2023

LCPG

MEXICO OCT 23 - 24
FMVZ UNAM, Mexico city



**VETERINARY
NEUROPATHOLOGY**

MARTI PUMAROLA BATLLE
DVM, PHD, DECVP, DECVN





FACULTAD NACIONAL DE MEDICINA VETERINARIA Y ZOOTECNIA
1853


UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

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 Davis-Thompson Foundation

 LATIN AMERICAN ROAD SHOW
2023



 LCPG

VETERINARY NEUROPATHOLOGY

BRAZIL OCT 27 - 28
UnB, Brasilia





MARTI PUMAROLA BATLLE
DVM, PHD, DECVP, DECVN




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 LATIN AMERICAN ROAD SHOW
2023



 LCPG

VETERINARY NEUROPATHOLOGY

PERU OCT 31 - NOV 1
FMV-UNMSM, Lima



MARTI PUMAROLA BATLLE
DVM, PHD, DECVP, DECVN



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LATIN AMERICAN ROAD SHOW
2023

LCPG

VETERINARY NEUROPATHOLOGY

CHILE NOV 3 - 4
Universidad Andrés Bello campus casona
Las Condes, Santiago

MARTI PUMAROLA BATLLE
DVM, PHD, DECVP, DECVN

SChPV SOCIEDAD CHILENA DE PATOLOGÍA VETERINARIA

Instituto Neurológico
VETERINARIO

Universidad Andrés Bello
Medicina Veterinaria

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Become a member of the Latin Comparative Pathology Group

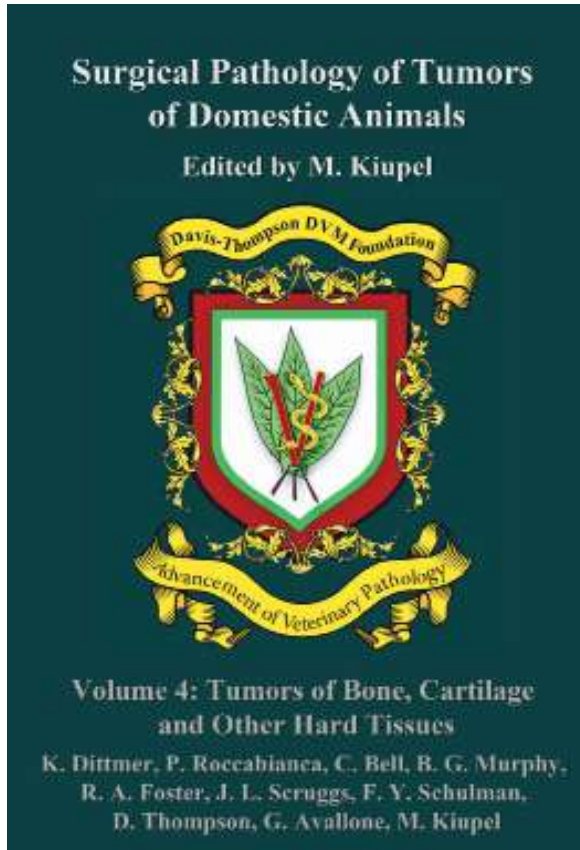


LCPG:

- 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



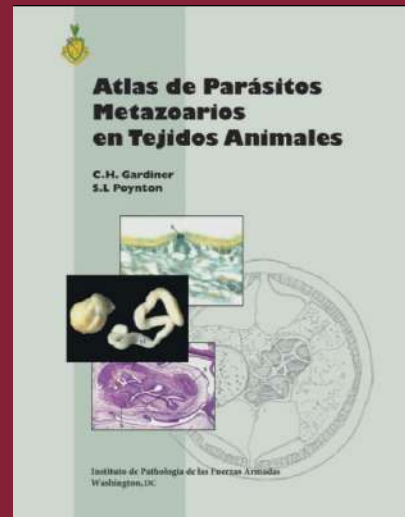
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RETIRING?

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!



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