



**Davis-Thompson  
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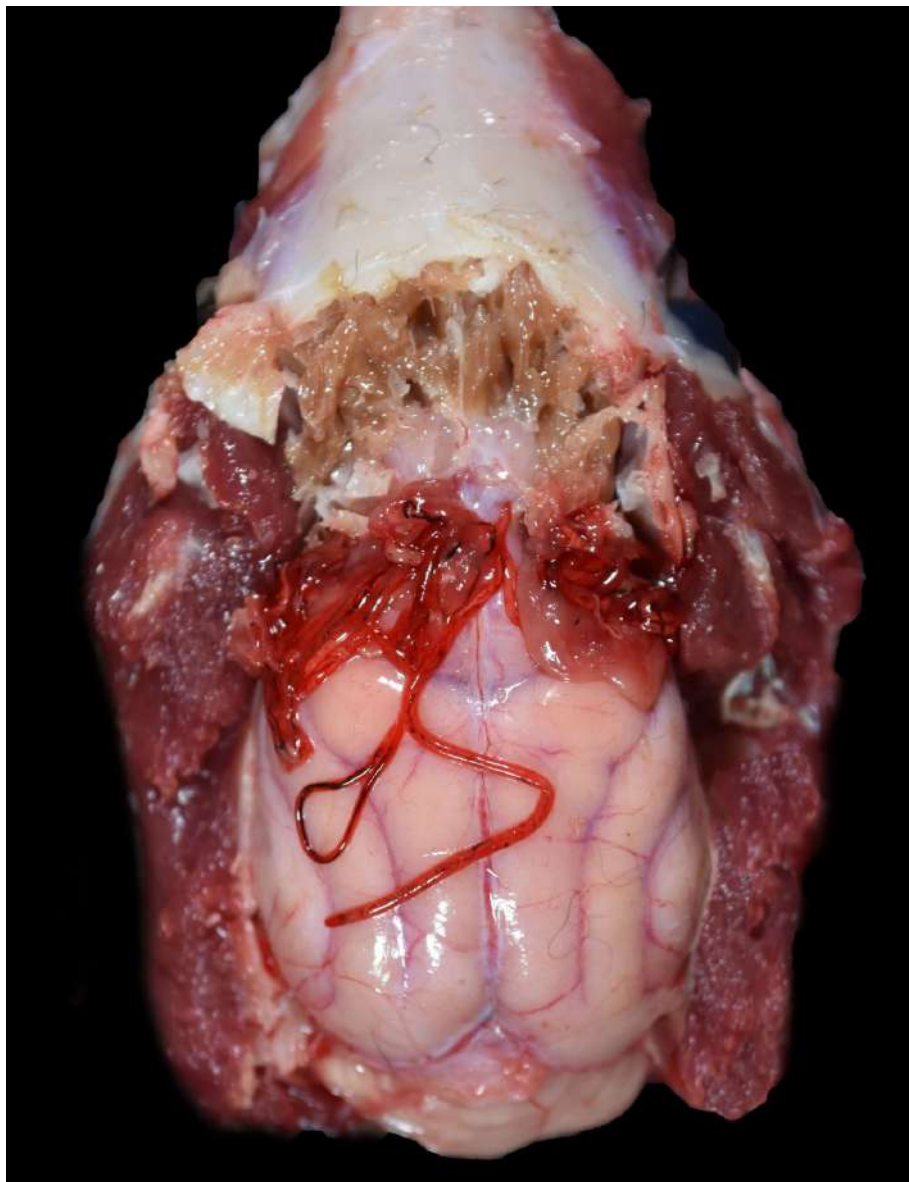
**C.L. DAVIS/S.W. THOMPSON  
DVM FOUNDATION**

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# THE DAVIS-THOMPSON FOUNDATION NEWSLETTER

July

**VOL. 53**



What's the most likely etiology?

- a. *Thelazia* spp.
- b. *Baylisascaris* spp.
- c. *Skrjabingylus* spp.
- d. *Halicephalobus* spp.

# INSIDE THIS ISSUE

## Monthly cover photograph winners:

Brianne Taylor, Ruth Scimeca, and Sarah Myers

Oklahoma Animal Disease Diagnostic Laboratory, Oklahoma State University, Stillwater, OK

Answer: C

**Description:** An adult striped skunk with rabies virus infection concurrent with a sinus nematode that had infiltrated the cranium via the cribriform plate. This nematode was identified as *Skrjabingylus chitwoodorum*. The sinus worm *Skrjabingylus* spp. has been reported in North American members of the Mephitidae and Mustelidae families, including striped skunks, as in the present case.

-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 July issue of the Davis-Thompson Foundation Newsletter, with the compliments of Jeann Leal and Javier Asin, our outstanding managing editors. Thank you Jeann and Javier.

I want to start this message with a long-due heart-felt thanks to Drs Katherine Watson (Cover Image Editor) and Donald M. McGavin (Cover Image Composition Analyst), who month after month have been doing a fantastic job with the Monthly Cover Photograph Contest. Thank you Kate and Donald!!! And congratulations to Drs Brianne Taylor, Ruth Scimeca and Sarah Myers, winners of this month contest; that is an amazing picture!

Another very successful version of the Current Literature and Image Interpretation Course (CLIIC) was just concluded under the expert direction of Dr Linden Craig. Looking forward, please remember that the Current Laboratory Animal Science Seminar (CLASS) and Pathology of Laboratory Animals (POLA) courses come up very soon. Both courses are a must for trainees preparing for board certification.

And talking about training opportunities, there are still a few seats available for the hands-on workshop on necropsy of racehorses (August 18-19 in San Bernardino, California). If you are considering attending; please register soon while seats last!

This month we were extremely fortunate to have another master piece in the series “Things I didn’t learn in the library” by Dr Roger Kelly (University of Queensland); this time on the “Hatchet job”. Look it up in the Expert’s Corner. Thank you Roger.

And last but not least, please peruse the whole Newsletter with, as usual, myriad training opportunities for everybody.

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

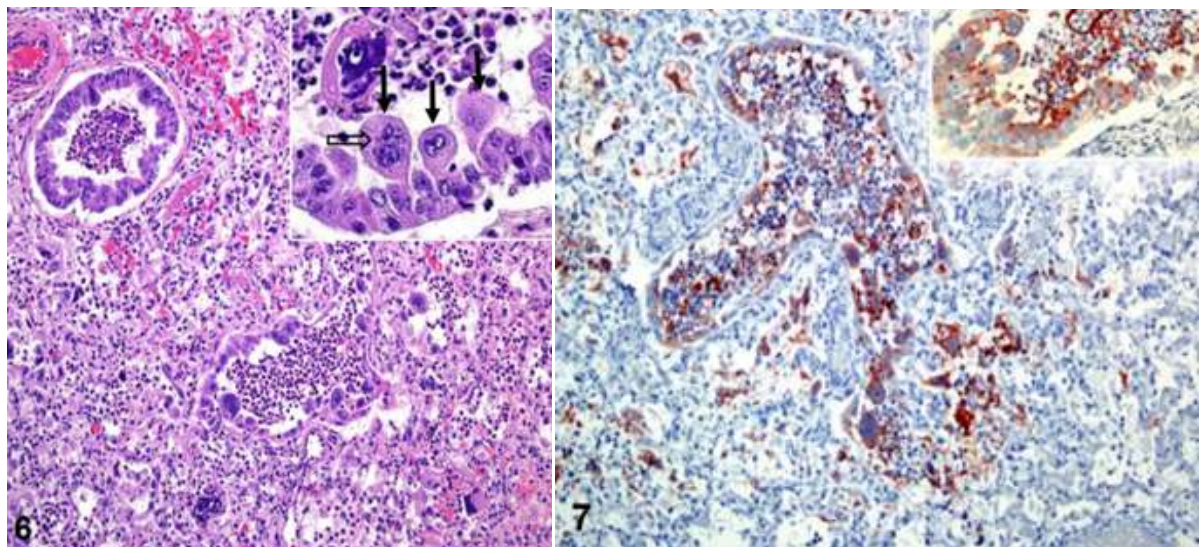


# JVDI IN FOCUS

Our July focus is an article appearing in the upcoming September issue: “**Bovine respiratory syncytial virus infection in feedlot cattle cases in Argentina**” by Alejandra Ferella, Nicolás Streitenberger, María S. Pérez Aguirreburualde, María J. Dus Santos, Luis E. Fazzio, María A. Quiroga, Carolina N. Zanuzzi, Javier Asin, Francisco Carvallo, Marina V. Mozgovoij, Francisco A. Uzal.

**J Vet Diagn Invest 2023;35(5). doi: 10.1177/10406387231182106.**

Although bovine respiratory syncytial virus (BRSV) infection has been reported in cattle in Argentina, it has not been associated with pneumonia in Argentina. We report here 5 cases of bovine pneumonia associated with BRSV. Autopsies were performed on 35 beef cattle with gross and/or microscopic lesions of pneumonia from 3 commercial feedlots. Lung samples in 5 of 35 animals were BRSV-positive by reverse-transcription nested PCR. The lungs of 2 of these 5 animals were coinfecting with *Mannheimia haemolytica*, and 1 with bovine viral diarrhea virus 1. Microscopically, the lungs of 3 of the 5 BRSV PCR-positive animals had fibrinosuppurative bronchopneumonia, with or without pleuritis; 2 of the 5 had interstitial pneumonia. We conclude that BRSV is part of the bovine respiratory disease complex in Argentina.



Figures 6, 7. Typical pulmonary lesions in the lung of a calf infected with bovine respiratory syncytial virus (BRSV). This is a case from the California Animal Health and Food Safety Laboratory System, UC Davis, and is not part of the 5 animals included in the study from Argentina. Figure 6. Bronchioalveolar pneumonia with necrotizing bronchiolitis, bronchiolar and alveolar epithelial syncytia. H&E. Inset: higher magnification of a bronchiole showing syncytial cells (solid arrows), one of which has an eosinophilic intracytoplasmic viral inclusion body (hollow arrow). H&E. Figure 7. Immunohistochemistry for BRSV. Positive signal in the cytoplasm of syncytial, bronchiolar, and alveolar epithelial cells and macrophages. Inset: higher magnification of a selected part of this figure.

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>



# EXPERT'S CORNER

## HATCHET JOB

Another in the series "Things I didn't learn in the library"

By Roger Kelly

'OK, who's going to get the brain out?'

I had just put the question to a group of senior students and the duty pathology resident working on the autopsy on an adult Holstein dairy cow. We were in the large post mortem room of the prestigious New York State College of Veterinary Medicine within Cornell University, at Ithaca in upstate New York. In 2000 I had been invited to the Pathology department as a locum, to fill in for six months after a professor had resigned on short notice.

I was used to undergraduates looking at the floor and acting invisible when asked to volunteer for anything, so I turned to the resident. 'Sheree, could you please show them how you expose brains here. Try and get one of them to do it.' I addressed the undergrads, 'Soon you'll be doing this job out in a field somewhere, with an owner watching. You'll want to be able to convince a farmer that you know what you're doing.'

Sheree was looking embarrassed. Oh dear, she's only just joined the department, hasn't she? Now I've put her on the spot... She explained her discomfort: 'Actually, Dr Kelly, we always get the techs to open the craniums. They're so expert and very quick...'

My disbelief must have been obvious. 'But for pity's sake! Are you going to tell me that cattle veterinarians in the US aren't expected to retrieve brains from field post-mortems? If they aren't, who's going to do it for them?'

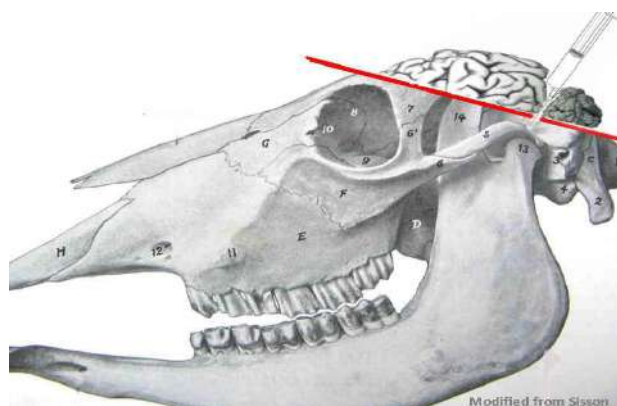
I called one of the post-mortem room technicians over and explained my problem and asked for a hatchet, or, if that wasn't available, a large handsaw.

Pat looked puzzled. 'Well, gosh, we always open the heads for everyone, Doctor. We've got that special bandsaw all set up, and it only takes a moment...' He shrugged. 'Anyway, we don't have a hatchet or a handsaw.'

Defeated, I watched him expertly open the cow's cranium, and planned my next move.

Clive Huxtable, like me an Australian academic for hire, had been working for a few years at Cornell and was now in charge of the autopsy service. I'd known him for a long time – it was he who'd invited me to Cornell when the vacancy arose. When I told him of my dismay about the retrieval of large animals' brains, he sighed, 'Yes, Rog; I was horrified too, when I found out how they do things here. I've managed to get the youngsters to remove brains from small animals, but the OH&S crowd here are a nightmare. They're terrified the bloody lawyers will bankrupt the school if a student gets injured in the PM room.'

'At least someone should show them how easily it can be done, Clive,' I grumbled. 'We both had Bill Hartley instructing us during our course in Sydney. Didn't he show you how to expose the brain with a cleaver? You know how it is with techniques. Once you've seen someone do something clever, you know it can be done and you'll keep trying till you get it right.'



## EXPERT'S CORNER

Memories of my own trials were coming back to me. 'When I got to the Queensland vet school, Hans Winter ran the PM room where he had a great big vise with teeth in its jaws. It was for holding cattle and horse heads firmly so he could use a big handsaw on the cranium. When I took over the diagnostic service I didn't let students use it because they'd think that, when they'd graduated, they wouldn't be able to take brains out in the field unless they had something like that. After I'd perfected Hartley's technique I stopped using the saw on large animals and have been using the hatchet ever since.'

'Well, if we can find a hatchet here somewhere, could you do a Hartley-style demo?'  
'Too right I could, Clive. I'll even sign an affidavit relinquishing all rights to sue Cornell if I injure myself.'

'Weeks later when Clive was on PM-room duty, my office phone rang. 'Clive here, Rog. We're doing a big old dairy cow and we want its brain. And Pat's brought a hatchet from his home. Could you come and show us your cranium-cracking trick?'

I was soon in the change-room and into overalls and rubber boots. There seemed to be rather more people in the PM room than I'd expected, so word must have spread that an entertainment had been organised. I had hoped to give a little run-down on sampling cerebrospinal fluid before removal of the head, but Pat, anxious to help, had already cut the head off and skinned it.

He had even removed the nose, which I regretted because the bovine nose is a handy handle. Oh, well; that's show business.

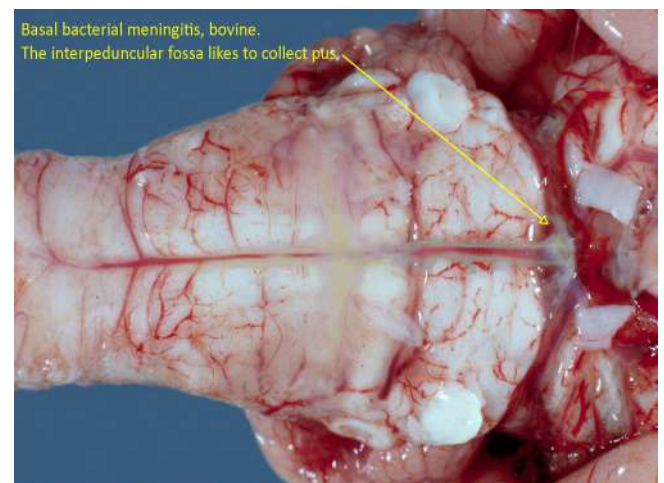
I was giving my little spiel about the advantages of what I was about to do, when I noticed Sandy de Lahunta at a dissection table across the room.

Professor Alexander de Lahunta was arguably the world's most famous veterinary neuropathologist, and he was removing the brain from a rat that he suspected might have a pituitary tumour. He was clearly not going to let anyone use a bandsaw on that. And he was clearly also taking an interest in what I was up to. Just a little more creative pressure for me...

'On with the show. I set about the cow's skull with the hatchet, breaking through the frontal sinuses with vigorous strokes that soon had bone chips flying. Now's the moment for the OH&S inspector to show up and panic about me not wearing a face shield...But I got through the rough work without any drama, and proceeded to more gently crack the inner table of the cranium.

Then I cut through the occipital ridge down to just above the occipital condyles, whereupon the cranial cap became loose, held only by the dura mater covering the brain.

Since the noise of the attack had precluded commentary, I paused to explain what I'd done, then reversed the hatchet and aimed a shrewd blow at the back of the poll.



## EXPERT'S CORNER

Demonstrations like these are of course prone to glitches, but I got away with this one. I was hugely gratified to see the cranial cap fly across the room, spinning over the tiled floor until it pulled up at de Lahunta's feet. Sandy, famous as a showman, chimed in as if rehearsed. 'Just bring that thing over here, will you, and get to work on this rat for me?'

After the laughter and applause, I showed how the dura should be removed without touching the brain surface, so that uncontaminated samples for bacteriology could be taken before removing the organ. Then I demonstrated how to use a syringe to aspirate the bacto sample from the interpeduncular fossa before removing the brain and immersing it in fixative solution.

Clive approached and murmured, 'That couldn't have gone better, Rog. I wouldn't have liked to do that sort of show in front of a crowd.'

I grinned. 'Sometimes you can be lucky. For God's sake, though, don't ask me to do another one in front of a mob like that.'

The glorious autumn colours of the Ithaca maples and pin oaks swirled in drifts on the lawns of the pretty campus, and then one evening it snowed on me as I walked back to the apartment. All too soon it was time to prepare for the trip home. I packed all the material I'd accumulated during my stay and and just managed to get it down to airline weight, and crunched through the snow to my last Cornell workday.

Sheree knocked on my door that morning and said, 'I hope you didn't bring your lunch today. You're coming downtown with us residents for lunch.'

That was very sweet of them. The residents, from South America and Japan as well as North America, had been fun to work with. They were all striving to be diplomats of the American College of Veterinary Pathologists. The examinations for this are rigorous and they were much hungrier for pathology knowledge than were the undergraduates with whom I had worked so long.

The lunch was a jolly affair and a few amusing incidents were revisited, and then Sheree made a pretty little speech and presented me with a strangely-shaped, heavy package. As I accepted it, I knew what it was. A high-quality hatchet... far too heavy for the trip home. But it made a nice present with which to thank Clive for getting me to Cornell.

Epilogue: in Feb. 2019, Richard Ploeg, who had done his pathology residency at UQ with me in the '90s, sent me a picture of one of his residents at that time (Dr. Carmen Lau), taken in the PM room of the Texas A&M veterinary school.

You can imagine how happy this made me.





## DIAGNOSTIC EXERCISE



**Case #:** 212; **Month:** May; **Year:** 2023

**Contributors:** Fernanda F. Perosa, DVM, Jean C. O. Menegatt, DVM, Manoela M. Piva, DVM, MSc, Vitor W. Horn, DVM, Teane M. A. Gomes, DVM, MSc, PhD, Ricardo E. Mendes, DVM, MSc, PhD. Laboratório de Patologia Veterinária, Instituto Federal Catarinense Campus Concórdia (IFC-Concórdia), Concórdia, SC, Brazil. Corresponding author: [fernandaperosa7@gmail.com](mailto:fernandaperosa7@gmail.com)

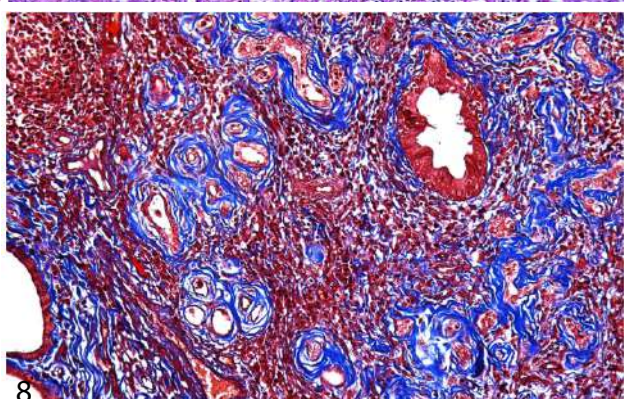
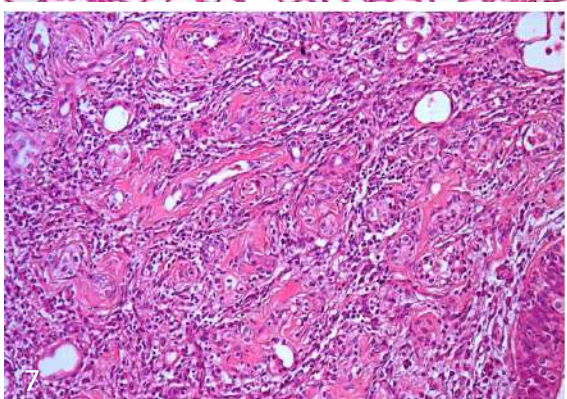
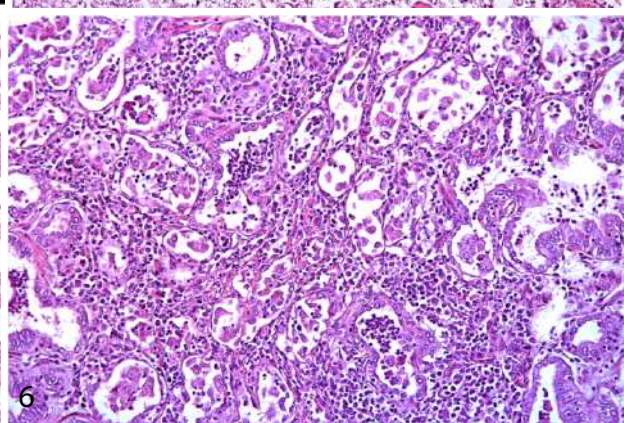
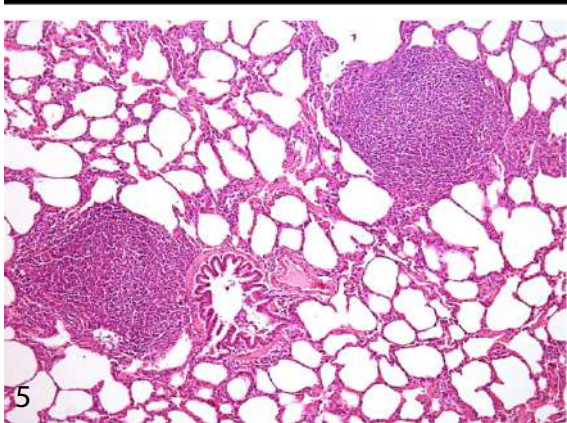
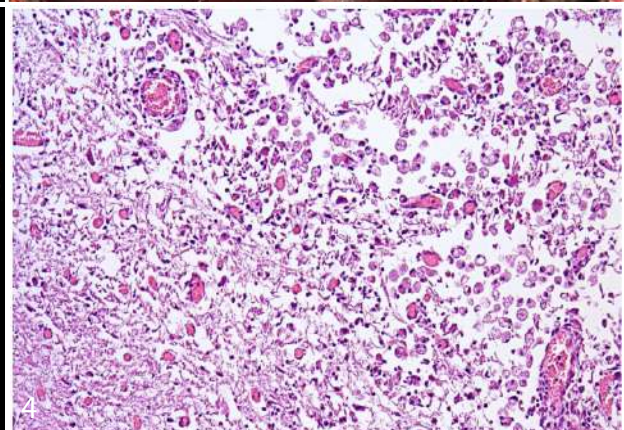
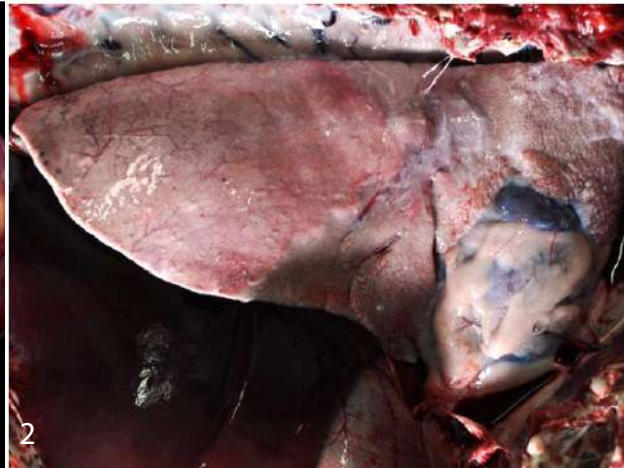
**Clinical History:** Within two months, three adult sheep fell ill in a 40-sheep flock (flock 1). Sheep 1 was a 3-year-old Texel ewe who developed neurological signs of ataxia, lethargy, recumbence, and difficulty in staying, dying one week after the onset of the clinical signs. Sheep 2 was a 2-year-old Texel ewe, and Sheep 3 was a 2-year-old Texel ram which both presented with anorexia, loss of body weight, and marked dyspnea for three weeks. The sheep were treated with antibiotics and antiparasitic drugs, however, they showed no health improvement and were later euthanized. In another sheep flock (flock 2) from the same municipality, for four months, it was reported that many sheep presented respiratory signs mainly characterized by marked dyspnea. Two Texel ewes from this herd, a 9-year-old (Sheep 4) and a 2-year-old (Sheep 5), were submitted for necropsy.

**Gross Findings:** The five sheep were in poor body condition. On the surface of the central nervous system of Sheep 1, blood vessels were moderately and diffusely engorged. In transverse sections of the brain, in the white matter at the level of the caudate nucleus, there was a focal area of softening of 1.5 cm in diameter. In Sheep 2, 3, 4, and 5, the lungs were pale to gray, rubbery, non-crepitant, markedly and diffusely noncollapsed, and heavy. Dark millimetric areas associated with white and slightly elevated nodules, up to 3 mm in diameter, were also seen at the pleural and cut surfaces of the lungs. Additionally, Sheep 4 presented significant and diffuse consolidation of the cranioventral lung lobes.





# DIAGNOSTIC EXERCISE





## DIAGNOSTIC EXERCISE



### Figures:

**Fig.1: Brain**

**Fig.2: Lung**

**Fig.3: Lung. Cut surface.**

**Fig.4: Brain**

**Fig.5: Lung**

**Fig.6: Lung**

**Fig.7: Lung**

**Fig.8: Lung. Masson's Trichrome**

### Follow-up questions:

- Morphological diagnosis?
- Etiology?
- Name of the condition?

**\*The Diagnostic Exercises are an initiative of the Latin Comparative Pathology Group (LCPG), the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the CL Davis website (<https://davisthompsonfoundation.org/diagnostic-exercise/>)**

**Associate Editor for this Diagnostic Exercise: Saulo Pavarini**

**Editor-in-chief: Claudio Barros**

[Click here for answers](#)



# SEMINAR REVIEWS



Davis-Thompson  
Foundation



**Virginia-Maryland**  
College of **Veterinary Medicine**

**INTRODUCTION TO  
VETERINARY  
HISTOPATHOLOGY**

## **Introduction to basic veterinary histopathology 2023 – First generation By Francisco Carvallo**

From March 1 to May 30, the Davis-Thompson Foundation, the Latin Comparative Pathology Group and the Anatomic Pathology section of the Virginia Maryland College of Veterinary Medicine (VMCVM) organized the first on-line class “Introduction to veterinary histopathology”. This course was directed to clinical pathologists, veterinarians and diagnosticians that use histopathology as a basic tool and would like to have a more structured training of histopathology. The course was offered in two modes: “live” and “rebroadcast”. The “live” sections met synchronically every Wednesday for 14 weeks and was attended by 53 students from all around the world! In each session, students were asked to describe one of four digital slides selected for that week. Students had two exams that were evaluated by the VMCVM faculty members. The “rebroadcast” version was attended by more than 250 students from all around the world, who were able to access the slides, the descriptions and the recorded sessions on an asynchronous manner, so busy colleagues in different time zones could advance at their own pace.

Every week, there were two faculty members leading the discussions, one of them was directly interacting with students and the other one was answering questions on the chat.

The course was an utter success, the platform and quality of the material were impeccable, and overall the course was very useful to provide basic foundations in this very important discipline. After this first experience, we understand the need of our colleagues around the world and we will definitively consider teaching this class in different languages.

Here are some of the comments of students attending the live session:

- “I can’t thank this class enough for boosting my confidence in reading slides. It’s amazing how much I’ve learned and grown in such a short time. Not only was this class helpful but also affordable too. Keep up the good work”
- “This has been a great journey, I want to thank you all for this great course!”
- “Allow me to thank you for the great opportunity to participate in the “Introduction to Basic Veterinary Histopathology” course, I have really liked all the collaborations, especially the explanations and support from Dr. Thomas Cecere and Dr. Kevin Lahmers who go through each slide in detail”.
- “I would like to thank you and the foundation again, for this opportunity, I know I have a lot to learn but I am more than grateful for everything that the team taught us. I know it won’t be the last thing I learn from you”
- “Thank you very much, the course was very nice and it helped me a lot”

We sincerely congratulate all students and faculty members that were able to make this course happen.

# SEMINAR REVIEWS



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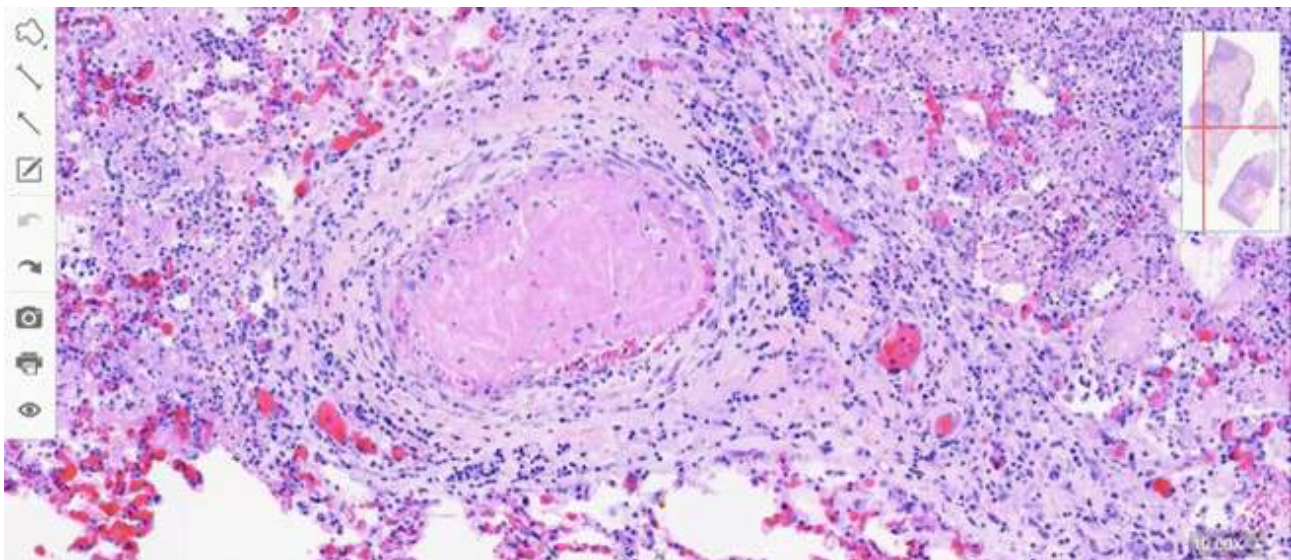


**Virginia-Maryland**  
College of **Veterinary Medicine**

**INTRODUCTION TO  
VETERINARY  
HISTOPATHOLOGY**



Two faculty members (Carvalho, Cecere) that led one of the sessions and some of the students participating in this class.



An example of the scanned slides that were discussed in this course. In this case, a thrombus occluding a pulmonary artery.



# SEMINAR REVIEWS



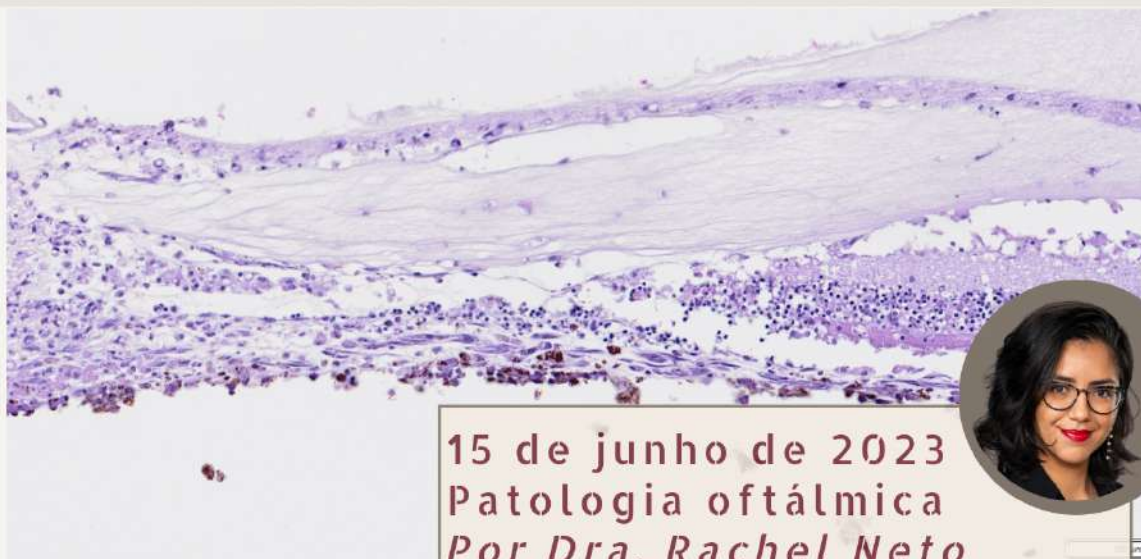
SEMINÁRIOS

## SEMINÁRIO DE HISTOPATOLOGIA

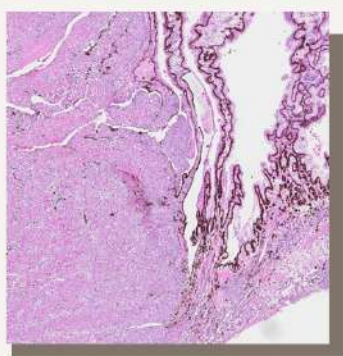
INTERATIVOS



EM PORTUGUÊS



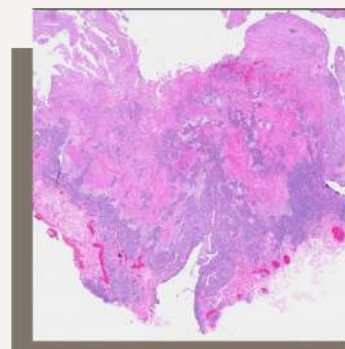
15 de junho de 2023  
Patologia oftálmica  
*Por Dra. Rachel Neto*



É sempre uma grande honra participar desta troca de conhecimento com colegas brasileiros e internacionais, especialmente sobre patologia de sistemas pouco explorados, como o olho e tecidos perioculares. Desta vez, decidi compartilhar casos mais "desafiadores", como trauma ocular em aves, pannus ("plasmoma") em cão, e até um osteossarcoma metastático pra úvea.

Um dos meus casos favoritos desta sessão foi a conjutivite lenhosa ("ligneous conjunctivitis") e a comparação com oftalmologia humana. A interação com os participantes foi leve e divertida. Aprendemos todos juntos, discutindo sobre diferenciais e a importância da informação clínica em cada caso.

Se você se interessou neste tópico, não esqueça de assistir ao seminário gravado no canal do YouTube da Fundação!



# SEMINAR REVIEWS

## 2023 DESCRIPTIVE VETERINARY PATHOLOGY COURSE by Jey Kohler

The first in-person US Descriptive course since 2019 was held at the University of Minnesota May 31-June 4, 2023. As we expected, the crowd was a little smaller than our usual pre-pandemic one which created a wonderful opportunity for the instructors to spend lots of time talking with all the participants about pathology, exams, careers, research, collaborations, and life in general.

Our local hosts Drs. Arno Wuenschmann and Alex Armstrong were super helpful in organizing delicious meals, much-needed coffee, comfortable facilities (looking out onto the horse arena!), and tours of the diagnostic laboratory. They also arranged for a fantastic social hour at Stout's, a local pub, on Wednesday night. Our "longest distance traveled" award was a tie between two people from Singapore!



As in years past, we started the course with a day of gross pathology and description from the undisputed queen of the necropsy floor Dr. Linden Craig, filled with lots of real-time polling questions to keep everyone awake and on their toes (and keeping score like the type A gunners they are). At the end of the day Dr. Patty Pesavento gave a great overview of tissue algorithms and using sub-gross magnification to bridge the gap between gross and microscopic. There's SO MUCH you can learn from 1.5x!

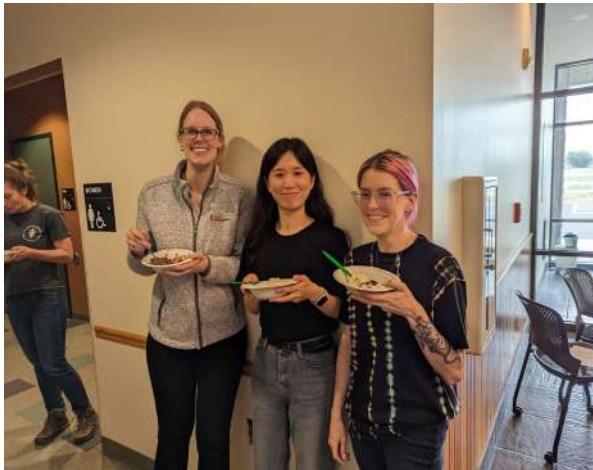
The next day Dr. Koehler tackled all things microscopic, with an eye-opening peer-grading exercise and multiple-choice test show participants the many ways you might encounter histo images in the context of an interpretation question. The next day, there was a lecture and discussion on best practices in composing questions and a breakout session in which groups were tasked with creating image interpretation questions that were collated and given back to them at the end of the course along with instructor critique.



# SEMINAR REVIEWS

The following day, Dr. Pesavento gave her fantastic ultrastructure lecture (anchors, people, anchors!) and delved into the who-what-why-when-how of immunohistochemistry, in situ hybridization, and molecular tests. The following day there was a mock exam with six digital slides and then a detailed discussion of these slides, followed by two great multiple-choice format image interpretation mock tests. The last day brought a final mock test, the participant-generated test, and some great discussion.

The weather in Minneapolis was super, and we really enjoyed our time there. If you visit St. Paul, be sure to eat at Moscow on the Hill and get the horseradish vodka and the potato pancakes. Everyone at the course agreed that despite a bit of extra travel expense, in-person meetings are the best!



# SEMINAR REVIEWS



A full-day workshop on Necropsy and Gross Examination was held on June 11 2023 in Paysandú, Uruguay. The workshop was organized by the Davis-Thompson Foundation and the Paysandú Veterinary Medical Center. The course coordinators were Drs Carolina Matto, Lourdes Adrien and Rodolfo Rivero. The meeting was held together with the 50th Buiatrics Uruguayan Meeting which this year celebrated its 50 years of uninterrupted sessions. What an accomplishment! The President of Uruguay, Mr Luis Lacalle Pou, honored this achievement with his presence during the inauguration ceremony when he declared the meeting open.

Forty enthusiastic colleagues (most of them field practitioners, but also some pathologists, meat inspectors and veterinary students) attended the workshop. During the morning Dr. Francisco Uzal gave a wonderfully interactive lecture on Gross Description of lesions with the active participation of all the attendees. After this, together with Drs Fernando Dutra and Jose Verdes, they demonstrated gross descriptions using multiple fresh organs originating from diagnostic cases. After lunch, the participants were divided into several groups that performed field necropsies on cattle and sheep, under the supervision of Drs. Matto, Adrien, Rivero, Dutra, Verdes, Ceriani, Rodríguez, Schanzembach, Arbiza and Uzal. When the necropsies were concluded, each group presented the main findings to all the attendees, and gross lesions, pathogenesis, possible etiologies and recommendations for the submitter were discussed. This highlighted the importance of field necropsies and communication between pathologists, practitioners and producers.

The Paysandú Veterinary Medical Center thanks all instructors for such a wonderful workshop, and looks forward to another great Davis-Thompson Foundation training experience in Paysandú in the near future!!.



Mr Luis Lacalle Pou, President of Uruguay, declared the workshop open



# SEMINAR REVIEWS



Necropsy demonstration



Workshop attendees and speakers

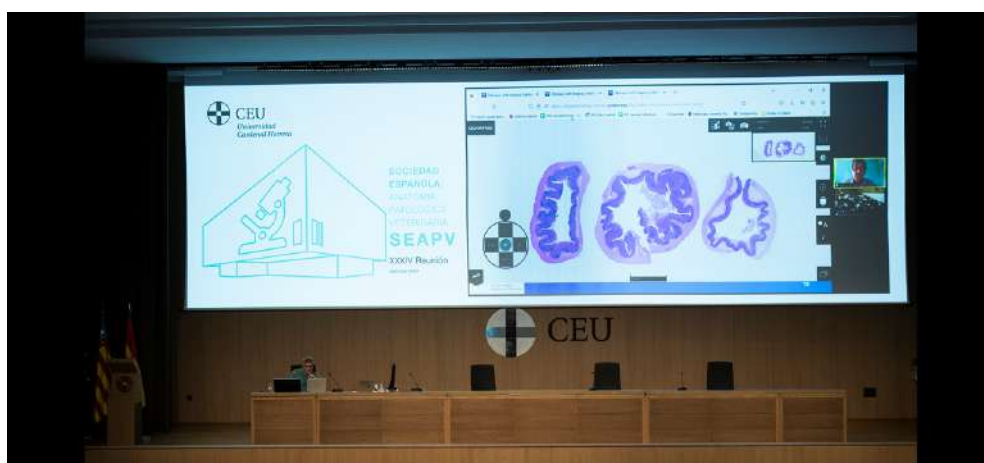


# SEMINAR REVIEWS

## 34th Annual Meeting of the Spanish Society of Veterinary Pathology By Joaquín Ortega

The University CEU Cardenal Herrera (CEU UCH) in Valencia hosted the 34th Annual Meeting of the Spanish Society of Veterinary Pathology (SEAPV) from June 7th to 9th. Over 80 attendees from different parts of Spain presented 60 scientific communications on various areas of pathology.

The annual meeting of Spanish pathologists from SEAPV began with a hybrid pre-meeting workshop on digestive pathology, delivered by Dr. Francisco Uzal (UC Davis) and organized in collaboration with the Davis Thomson Foundation. The seminar started with a keynote lecture by Dr. Uzal on digestive pathology, covering everything from the basics of normal histology to the most relevant histopathological findings. Following that, Dr. Uzal, Dr. Joaquín Ortega and Dr. Juan Manuel Corpa Arenas from CEU-UCH conducted an interactive clinical case session. Using scanned histological preparations, a series of questions were asked to the attendees, who were asked to select the correct option. Later, Dr. Uzal addressed the raised questions and facilitated a discussion among the participants. As a novelty, this session was also simultaneously streamed in the virtual world of CEU-UCH, where short videos of the posters presented at the conference could also be viewed: [https://www.spatial.io/s/Spatial\\_PARANINFO-6463b2d8094bef7aec3f1e52?share=0](https://www.spatial.io/s/Spatial_PARANINFO-6463b2d8094bef7aec3f1e52?share=0).



## FREE FRIDAY SEMINAR JULY



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



17 a 20 de Julho  
de 2023



Intermares Hall,  
João Pessoa - PB  
Brasil



**Dra. Paola Barato**

Corporación Patología  
Veterinária



**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

[Click here to register](#)



# SEMINÁRIOS DE HISTOPAT DO LCPG JULHO



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

**2023**

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

**CLASS** | **POLA**  
JULY 22-23 | JULY 24-28



Dan Finnegan



Anne Lewis



Teresa Southard



Kelsey Fiddes



Laura Cregar



Joe Anderson



Angela Brice



Cory Brayton



Kelly Jensen



Elliot Ramos-Rivera



Jeff Wolf



Nicole Luk-Akh



Michael Bencivenga

**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 AUGUST



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](#)



# SEMINARIO GUATEMALTECO

## IV Seminario de la Fundación Davis-Thompson



Davis-Thompson  
Foundation



## Taller de patología y mecanismo de enfermedad



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



**Corrie Brown**  
DVM, PhD, DACVP



**Javier Asin Ros**  
DVM, PhD, DECVP



7-10 de Agosto, 2023



9:00 - 17:00



Guatemala



[Click here for more  
information](#)

# RACEHORSE NECROPSIES

## RACEHORSE *Necropsies* to fulfill Horseracing Integrity and Safety Authority (HISA) requirements



Davis-Thompson  
Foundation



\$ 250



August 18-19, 2023



CAHFS, San Bernardino Branch

Limited to 21 attendants



Dr. Sue Stover



Dr. Francisco Uzal



Dr. Carlos Schild



Ms. Christina Garcia



Dr. Akinyi Nyaoke



Dr. Javier Asin



Ms. Marta Aleman



Ms. Meredith Rhea



Dr. Eileen Henderson



[Click here to register](#)



# CURSO DE NECROPSIA



Davis-Thompson  
Foundation



## 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.  
Carvallo**  
MV, DCs, DACVP



[Click here for more  
information](#)

# EUROPEAN DIVISION: OCULAR PATHOLOGY



Davis-Thompson  
Foundation

28-29  
**AUGUST**  
2023

## EUROPEAN DIVISION SYMPOSIUM 2023 OCULAR PATHOLOGY



**CAROLINA NARANJO FREIXA**

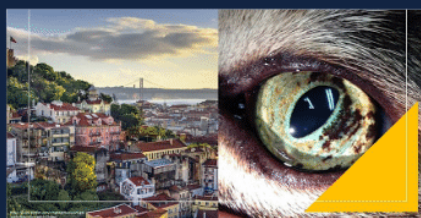
LV, DACVP, DECVP, PHD



**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)

24<sup>th</sup> Annual Meeting

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

Lisbon, Portugal, 30<sup>th</sup> of August 2023

8.00 – 8.50	<b>Registration</b>
8.50 – 9.00	<b>Welcome</b> President ISVD Dr. Stefano Borio
9.00 – 9.30	<b>Mystery slide session part 1</b> Moderator: Dr. William Craft 1. Dr. David Gardiner, Zoetis Reference Laboratories, Louisville, Kentucky, USA 2. Dr. Barbara McMahon, IDEXX Reference Laboratories, Wyoming, USA
9.30 – 10.30	<b>Plenary Lecture ISVD part 1</b> Chairperson: Dr. Stefano Borio, Diseases of the mucocutaneous junction and nasal plenum – pathogenic, clinical, and histopathological aspects Dr. Monika Welle, University of Bern, Switzerland
10.30 – 11.00	<b>Break</b>
11.00 – 12.00	<b>Plenary Lecture ISVD part 2</b> Chairperson: Dr. Stefano Borio Diseases of the mucocutaneous junction and nasal plenum – pathogenic, clinical, and histopathological aspects Dr. Monika Welle, University of Bern, Switzerland
12.00 – 12.30	<b>ISVD Grant Presentation</b> 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
12.30 – 14.00	<b>Lunch (included)</b>
14.00 – 15.00	<b>Supportive Lecture ISVD</b> Chairperson: Dr. Chiara Brachetente Lies of lesions – Mucocutaneous diseases Dr. Karen Trainor, Innovative Vet Path, Kansas City, USA Dr. Dominique Wiener, Texas A&M University, Texas, USA
15.00 – 15.30	<b>Mystery slide session part 2</b> Moderator: Dr. William Craft 1. Dr. Karen Trainor, Innovative Vet Path, Kansas City, Kansas, USA 2. Dr. Ana Resendes, Universidade Lusófona, Lisbon, Portugal
15.30 – 16.00	<b>Break</b>
16.00 – 17.00	<b>Clinicopathological correlations</b> Moderator: Dr. Monika Welle 1. Dr. Kelly Keating, Animal Dermatology Group, California, USA and Dr. Verena Affolter, University of California, Davis, USA 2. Dr. William Craft, University of Florida, USA and Dr. Stefano Borio, University of California, Davis, USA 3. Dr. Karen Trainor, Innovative Vet Path, Kansas, USA and Dr. Roubina Honarchian, Metropolitan Animal Specialty Hospital, Los Angeles, California, USA
17.00 – 17.15	<b>Histology quiz</b> Moderator: Dr. Dominique Wiener
17.15 – 18.15	<b>ISVD Annual General Meeting (AGM) - Members only</b>

[Click here to register](#)

# 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**

**Registration information  
coming soon**

# SOUTH CENTRAL DIVISION MEETING

## 33RD ANNUAL SOUTHCENTRAL DIVISION MEETING

SEPT 29-30, 2023

### Laboratory Animal Pathology



**DENISE IMAI LEONARD**  
DVM, PhD, DACVP

Keynote  
Speaker & Case  
Presentations



Davis-Thompson  
Foundation



HYBRID

GALVESTON, TX



DEADLINE

CASE SUBMISSION: 8/31  
REGISTRATION: 9/20

[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 Castañares SN, Salta.

Click here for more  
information



# 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 Castaños 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**



Davis-Thompson  
Foundation



**DR. CHRIS GARDINER**

Joint Pathology Center

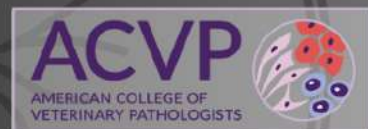
[Click here for more information](#)

# 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

# AAZV PATHOLOGY WORKSHOP

## CALL FOR CASES!!

**AAZV 30th Annual**  
Zoo & Wildlife Pathology Workshop 2023  
Co-sponsored by the Davis-Thompson Foundation

This all day, in person workshop will be held on [Sunday, 17 September, 2023 from 8:00 AM to 5:00 PM Central Time](#), in association with the annual meeting of the American Association of Zoo Veterinarians in Nashville, TN.

This eight-hour workshop brings together zoo veterinarians and pathologists for a full day of discussion of interesting cases in zoo and wildlife pathology. This year's keynote lectures will be by two of the giants in this field, **Drs. Linda Lowenstine and Michael Garner**, as we celebrate our workshop's anniversary with "30 years of Zoo and Wildlife Pathology: How the Past Informs the Future." Following the keynote lectures, pathologists from around the world will present their most interesting recent cases throughout an interactive all-day session with an emphasis on old diseases with new insights.

**Got a lesion with an interesting history? Calling for cases that shed light on how diseases in zoo and wildlife animals have evolved over time, whether in terms of etiology, diagnosis, or management. As usual we will consider any zoo or wildlife case submissions, even if they do not fit the theme. If you wish to present a case, please email Rachel Burns ([REBurns@sdzwa.org](mailto:REBurns@sdzwa.org)) with a brief description (1-2 sentences) of the case by [1 July 2023](#). Those applicants with chosen cases will be notified by email by the following week.**

### INSTRUCTIONS FOR CASES SELECTED

**1. 5 replicate H&E slides plus 2 unstained are required. PLEASE limit slides to one piece of tissue with the lesion to facilitate Aperio® scanning for digital production. Send by [1 August 2023](#) to:**

#### **Shipping Address:**

Rachel Burns, DVM, Dipl. ACVP  
Disease Investigations, San Diego Zoo  
1354 Old Globe Way  
San Diego, CA, USA 92101

#### **Mailing Address:**

Rachel Burns, DVM, Dipl. ACVP  
Disease Investigations, San Diego Zoo  
PO Box 120551  
San Diego, CA, USA 92112

**2. Please prepare your 2 to 3 page write up in Microsoft Word (NOT pdf files) using the following headings on institutional letter head and send via email to Rachel Burns ([REBurns@sdzwa.org](mailto:REBurns@sdzwa.org)) by [1 August 2023](#):**

**Page 1 CONTRIBUTOR(S)/ INSTITUTION: SIGNALMENT: HISTORY: GROSS FINDINGS:**

**Page 2 and 3. HISTOPATHOLOGIC AND CLINICAL PATHOLOGY FINDINGS:**

**MORPHOLOGIC/ETIOLOGIC DIAGNOSIS: DISCUSSION: REFERENCES: ACKNOWLEDGMENTS**

The syllabus and scanned slides from the case write-ups should be available at least one week prior to the workshop and can be downloaded from the [Davis-Thompson Foundation website](#) at:

<https://davisthompsonfoundation.org/available-slide-conferences/>

**\*If you need inspiration, also note that case material from 14 previous workshops are available for viewing at this site!**

**Workshop registration includes access to images and case information. All participants must register for this course. Remember that you are welcome to attend the Workshop even if you have not submitted a case.**

# ARWH SYMPOSIUM AND SHORT



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](http://www.arwh.org)

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

More information  
coming soon



# ARWH SYMPOSIUM AND SHORT



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](http://www.arwh.org)

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

More information  
coming soon

# 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



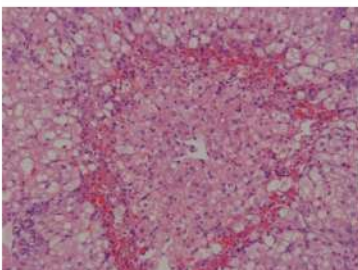
**DR NATALIE COURTMAN**

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

Registration opening soon

# 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](mailto:bstpsecretariat@gmail.com) or check out the website - <https://www.bstp.org.uk/bstp-events/>



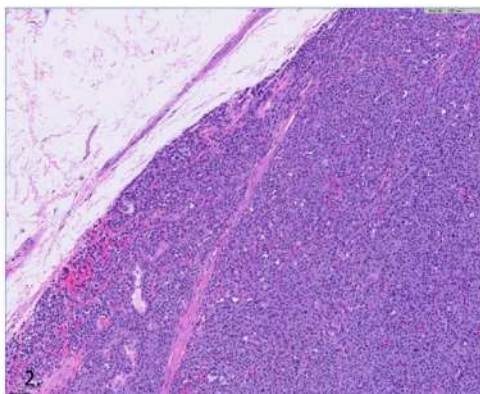
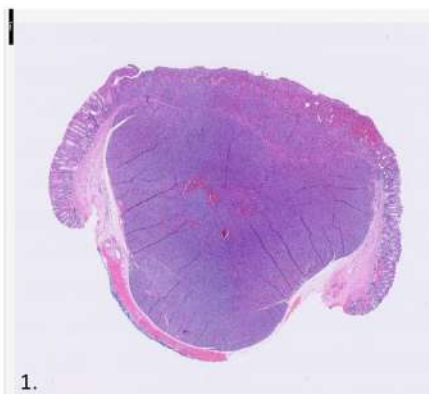
For registration and more information about the events, visit the BSTP website:  
<https://www.bstp.org.uk/events/bstp-events/>



# IDEXX CASECONNEXX CORNER

**Signalment:** 9-year-old, female spayed, Border Collie

**Source/ History:** 1 cm bloody mass noted by owner few weeks ago - excisional, approximately 2-3 cm within rectum - on floor of rectum



Figures 1. (1X magnification, H&E stain) and 2. (20X magnification, H&E stain) The mucosa and submucosa are expanded by a well-demarcated, densely cellular mass composed of round cells arranged in dense sheets and cords.

Figure 3. (60X magnification, H&E stain) The neoplastic cells have mild to moderate eosinophilic cytoplasm, round to oval eccentric nuclei, and coarse chromatin. Cells often have a distinct perinuclear clear zone (arrow). Scattered throughout the mass, are mild numbers of binucleated (squares) and multinucleated (circles) cells.

## MICROSCOPIC DESCRIPTION:

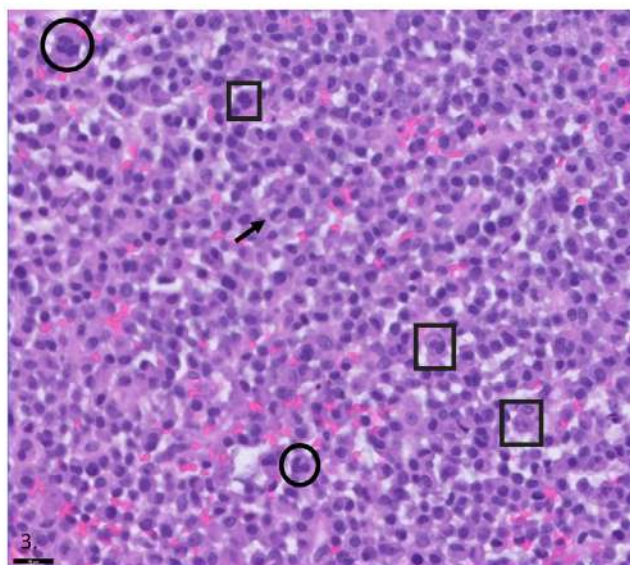
Expanding the mucosa and submucosa is a fairly well-demarcated, unencapsulated, densely cellular, locally infiltrative, neoplasm. The neoplastic cells are round and arranged in dense sheets and cords supported by a fine fibrovascular stroma. The cells have a mild to moderate amount of eosinophilic cytoplasm and distinct cellular borders. Nuclei are often eccentric, round or oval with coarsely stippled chromatin and generally one, small, often inconspicuous, nucleolus; many cells have a distinct perinuclear clear zone. There is mild anisocytosis and anisokaryosis with mild numbers of binucleated, multinucleated, and occasional karyomegalic cells. The mucosa is segmentally eroded. There is mild to moderate multifocal congestion and hemorrhage in the mass. Within the adjacent mucosa, are mild to moderate numbers of non-neoplastic plasma cells, lymphocytes, and few eosinophils.

## MICROSCOPIC INTERPRETATION:

Plasma cell tumor

Mitotic count: 5 in ten high power fields (total area of 2.37 mm<sup>2</sup>)

Vascular/lymphatic invasion: Not observed



## Comments:

Primary extra medullary plasma cell tumors of the intestinal tract are uncommon in dogs. In dogs, they are found most frequently in the distal colon and rectum. Intestinal extramedullary plasma cell tumors are often primarily located in the submucosa but may extend into the mucosa. Colorectal plasma cell tumors are similar to mucocutaneous plasma cell tumors in that they tend to grow slowly and are not expected to recur with complete excision. Local recurrence is uncommon but may be seen with infiltrative tumors or when complete surgical excision is not achieved. In one study, two dogs out of nine cases, had local recurrence. Metastasis is considered rare; however, some intestinal extramedullary plasma cell tumors can exhibit a more aggressive behavior, and metastasis to regional lymph nodes and spleen has been rarely reported.

References: Kazakoff P et al. (2006). Colorectal Plasmacytomas: A Retrospective Study of Nine Dogs. Journal of the American Animal Hospital Association. 42, 37-43; Uzal, F. A., Plattner, B. L., & Hostetter, J. M. (2016). Alimentary System. Jubb, Kennedy & Palmer's Pathology of Domestic Animals. Volume 2, 109, Munday, J.S., Löhr, C.V. and Kiupel, M. (2016). Tumors of the Alimentary Tract. In Tumors in Domestic Animals, D.J. Meuten (Ed.), 577.

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
<b>Argentina</b>	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
<b>Brazil</b>	Brazilian Symposium of the C.L. Davis - S.W. Thompson Foundation and National Pathology Meeting - ENAPAVE	Jul 17-20	João Pessoa, Paraíba, - venue to be determined	TBD	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
<b>Chile</b>	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
<b>México</b>	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
<b>Costa Rica</b>	Descriptive Veterinary Pathology Course (Spanish version)	Dec 15-18	Universidad Veritas, Heredia	Jey Koehler, Ana Alcaraz, Patty Pesavento	Roberto Olivares
<b>Guatemala</b>	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
<b>Nicaragua</b>	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
<b>Perú</b>	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
<b>Uruguay</b>	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**



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

**Junho**



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

**Julho**



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

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



# LCPG CORNER

The graphic is a teal-colored poster with a dashed white 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 stylized hand holding a syringe. In the center, a dark blue rounded rectangle contains the text "VETERINARY NEUROPATHOLOGY" in white. Below this, a circular portrait of Dr. Marti Pumarola Battle is shown. To the left of the portrait is a red speech bubble with "IN PERSON" in white. To the right is a red speech bubble with "OCTOBER 23 - NOV 4" in white. A dashed white line with airplane icons at the ends curves around the portrait. Below the portrait, the text "DR. MARTI PUMAROLA BATTLE" is followed by "DVM, PhD, DECVP, DECVN". At the bottom, four flags are displayed with their corresponding dates: Mexico (OCT 23 - 24), Brazil (OCT 27 - 28), Peru (OCT 31 - NOV 1), and Chile (NOV 3 - 4).

**VETERINARY NEUROPATHOLOGY**

**IN PERSON**

**OCTOBER 23 - NOV 4**

**DR. MARTI PUMAROLA BATTLE**  
DVM, PhD, DECVP, DECVN

**OCT 23 - 24**    **OCT 27 - 28**    **OCT 31 - NOV 1**    **NOV 3 - 4**

More information coming soon in the web

# LCPG CORNER



Davis-Thompson  
Foundation



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

Mayo



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

Junio



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

Sep

14



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

Nov

09



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



# 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 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 tumor, 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:**

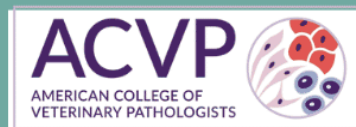
- Provides Diagnostic Exercises
- Offers travel awards
- Coordinates externships in US labs for Latin Americans
- Organizes and lectures in Latin American seminars and courses

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**



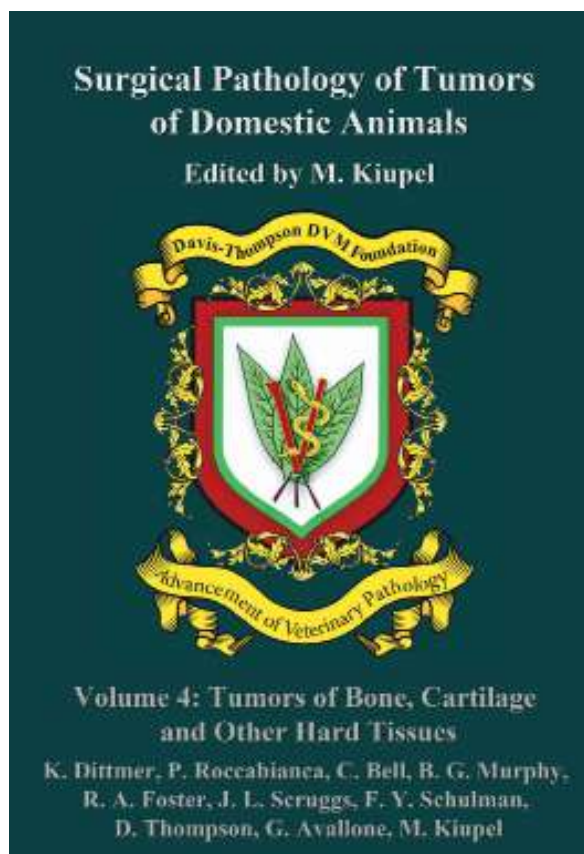
**Cindy Bell, DVM, DACVP**

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



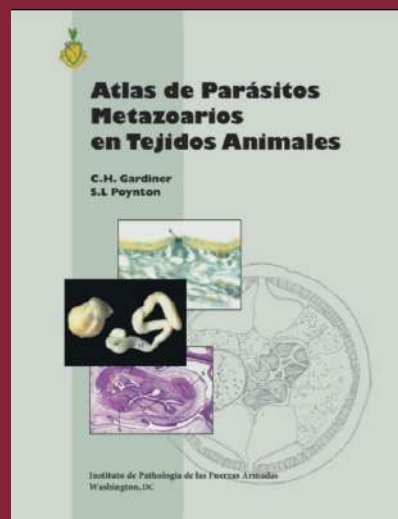
[CLICK HERE](#) to order your copy today!

## 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](mailto: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](mailto:jobritt@sbcglobal.net); 501-912-1449.



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



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JULY 2023