China Workshop on Pathology and Mechanisms of Disease

From 15-18 July, Foundation Faculty members Dr. Corrie Brown (UGA) and Dr. Tiffany Lyle (Missouri) conducted a four-day workshop involving critical thinking skills in pathology and necropsy techniques as well as cutting-edge adult learning techniques. This workshop is part of a quarterly partnership between the Davis-Thompson Foundation with the Chinese Agricultural University in Beijing. The overall attendee group was very heterogeneous and consisted of: teachers, diagnosticians, pathologists, clinicians, graduate students, and various professionals from industry.

Learning objectives for the course included that participants, by the end of the course would be able to (1) perform a necropsy on a bird or a pig, collecting and packaging tissues in an appropriate manner for use in the laboratory, (2) identify specific mechanisms of disease through gross lesions, and form a list of differential diagnoses, and (3) be able to conduct downstream training on basic mechanisms of disease.

Continued on page 2...
Day 1 included a lecture on “Six Steps to a Successful Necropsy”. Everyone had a copy of the avian necropsy procedure in Chinese, to follow, as they completed a necropsy on a chicken. Groups judged others’ sample collections and necropsy reports and discussed how a full set of samples and a detailed report could be most helpful in the laboratory.

Following a discussion of the key principles of adult learning, the group began on a series of rotating small group table exercises which employed these principles. Starting with Disturbances of Circulation. Corrie asked each table to list the major components in Disturbances of Circulation and wrote them on a flipchart. Then each table was given one of those components to teach to the class (Hyperemia; Congestion; Hemorrhage; Edema; Thrombosis; Embolism; Infarction). After each presentation, the group worked through cases, to help cement the information. These cases were presented as individual laminated photos (with history/questions in Chinese) and had been printed into a booklet by local host Dr. Xiangmei Zhou.

Over the next two days, the attendees covered the following topics in a similar fashion: Degeneration and Necrosis, Inflammation, and Disturbances of Growth, as well as separate sections on swine diseases and cases based on impression smears of infectious diseases.

Day Four involved a section on avian diseases, and short lessons taught solely by the participants utilizing the principles of adult learning, including canine skin tumors, porcine circovirus, hematopoiesis and hematopoietic tumors, and basic vaccinology. The day culminated in a “path forward” discussion in which the attendees discussed ideas for upcoming workshops. Additional training on swine and avian disease diagnostics and a similar course as had just been completed, but aimed at young veterinarians were met with the popularity.

Additional workshops in 2019 and 2020 are already scheduled at CAU for principles of macroscopic and microscopic diagnosis, and we look forward to supporting pathology education in China.
2019 ACVP Pre-Conference Workshop
Skin and Mammary Tumors:
Standardization and Simplification
November 9, 2019
San Antonio Rivercenter Hotel,
San Antonio, TX

Presentations will emphasize material from Volumes 1 and 2 of Surgical Pathology of Tumors of Domestic Animals, published by the Davis-Thompson DVM Foundation.

More info at:
https://www.acvp.org/page/2019_Pre_Meeting_Workshops

Register for this workshop as part of your ACVP registration
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.

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.

CES 3: Carcinogenesis
March 2020 - Department of Pathology, Cambridge, UK
Registration for this symposium will open in December 2019

This Continuing Education Symposium will provide an intermediate level overview on Carcinogenesis and the challenges with current research models. Topics to be covered include (but are not limited to): How to understand the relevance/future of rodent 104 week studies; how to interpret carcinogenicity data in the risk assessment of novel chemicals and pharmaceuticals; familiarisation with the latest molecular techniques used in the research and exploration of carcinogenesis; how to differentiate spontaneous from test article-related lesions and tumours and, follow real-world case studies to refine your skills and knowledge around regulatory authority. The format will include presentations, case histories and active participation of delegates. The Continuing Education Symposium will be of 3 days duration and the programme will be arranged such that each individual day can be attended as stand-alone CPD if desired.

For more information on any of these meetings, keep checking the website - http://www.bstp.org.uk/events or contact the BSTP Secretariat - bstooffice@aol.com
Diagnostic Exercise
From The Davis-Thompson Foundation*

Case #110  Month: October  Year: 2018

Contributors: José Cesar Menk Pinto Lima and colleagues from Laboratório de Patologia Veterinaria (LAPAVET), Santo André, SP, Brazil and Louisiana State University School of Veterinary Medicine, Baton Rouge, LA.

Clinical History: A 3-year-old, female miniature donkey presented 2 weeks post-partum with a 5-day history of anorexia, lack of fecal production, and a fractured molar. Decreased borborygmi in all four quadrants and dark pink to purple mucous membranes with a prolonged capillary refill time of 3 seconds were noted. Abdominal radiographs and gastroscopy showed evidence of gastric impaction. The donkey’s health declined despite aggressive treatment and humane euthanasia followed by postmortem examination was elected.

Necropsy Findings:

Follow-up questions: Gross description, Morphologic diagnosis(es), and Condition. Answers and more info here!

*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!
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

Learn more at: www.cldavis.org/lcpg_english

LCPG is the proud Latin American Division of the Davis/Thompson Foundation!

Contact Francisco.carvallo@gmail.com to join LCPG!

Membership fees:
$50 - Professionals in US, Canada and Europe
$30 - Professionals in Latin America
$25 - Students in US, Canada and Europe
$15 - Students in Latin America
Neuropathology day seminar in Lyon!

On July 5, the Davis-Thompson DVM Foundation, with the help of local host Dr. Sara Belluco and the department of pathology, sponsored a free day seminar in neuropathology with Dr. Jey Koehler at VetAgro Sup in Marcy L’Etoile, France, just outside of Lyon. Attendees at the day seminar included pathology trainees, working pathologists, clinical neurology trainees, and working neurologists.

Despite the toasty weather, everyone managed to stay engaged in the topics, which included evaluation of the nervous system, a review of neurodevelopment and the ways in which it can go awry, an update on the classification of canine gliomas, and an interactive session using real-life cases with clinical workup, imaging findings, and gross and histopathology. It was wonderful to have so many pathologists and neurologists in the same room, communicating with and understanding each other a little better. For the clinical neurology trainees, it was a chance to see some pathology and prepare for that portion of the board certification exam. After the lectures, a wonderful tour of an organic, biodynamic winery in the Beaujolais region was arranged, as well as a lovely dinner at a nearby intimate chateau restaurant. The wine and the company couldn’t have been more outstanding!

The Lyon veterinary school, formed in 1762 by lawyer-turned-veterinary-surgeon Claude Bourgelat, was the first formally established school of veterinary medicine in the world, and was originally tasked with studying the anatomy and diseases of sheep, horses, and cattle and especially with combating cattle plague (rinderpest). Originally known as the National Veterinary School of Lyon, in 2010 it merged with the National School of agricultural engineers in Clermont-Ferrand and the National School of Veterinary Sciences to become VetAgro Sup. The veterinary teaching program is approved by both the AVMA and EAEVE.

The Foundation is proud to have sponsored a seminar in this prestigious institution that is such an important part of the history of veterinary medicine!
CL Davis / SW Thompson Foundation and LCPG Courses in Latin America 2019

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<th>Country</th>
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<td>Argentina</td>
<td>XIII Seminar of the Argentinean Subdivision of the Davis-Thompson Foundation and 9th Permanent Forum on Veterinary Pathology Teaching.</td>
<td>November 14-16</td>
<td>Bariloche, Río Negro, Argentina</td>
<td>Claudio Barros (Universidade Federal de Mato Grosso do Sul, Brazil); Francisco Uzal (UC Davis); Lorenzo González (Department for Environment, Food and Rural Affairs, UK)</td>
<td>Neuropathology of ruminants, Clostridial diseases in ruminants.</td>
<td>Agustín Martínez <a href="mailto:martinez.agustin@inta.gob.ar">martinez.agustin@inta.gob.ar</a></td>
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<tr>
<td>Uruguay</td>
<td>5th Uruguayan Seminar of the Davis-Thompson Foundation</td>
<td>December 2-3</td>
<td>Universidad de la República, Facultad de Veterinaria, Montevideo, Uruguay</td>
<td>Francisco Uzal (UC, Davis) Other speakers TBD</td>
<td>Gross and microscopic pathology, Pathology of the gastrointestinal system, Pathology of Wild Animals</td>
<td>José Manuel Verdes <a href="mailto:jmverdes@fvet.edu.uy">jmverdes@fvet.edu.uy</a></td>
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XIII CLDavis/SW Thompson Foundation Seminar on Veterinary Pathology
San Carlos de Bariloche, Río Negro, Argentina
14, 15 and 16 November 2019

Topics:
- small ruminants and cattle
- Diseases of the nervous system
- Clostridial diseases
- Toxic plants

Dr. Cristina Acín  Dr. Claudio Barros  Dr. Francisco Uzal

Information and registration
http://sipan.inta.gob.ar/seminariopatologia/
E-mail: martinez.agustin@inta.gob.ar
Phone: +54 294 4422731 Ext. 4050
5th Uruguayan CL Davis / W Thompson Foundation Seminar
December, 2 - 3, 2019, Montevideo, Uruguay
(Digestive tract diseases & Wildlife diseases)

Venue: Veterinary School, Universidad de la Republica. Av. Alberto Laspalles 1620, CP 11600, Montevideo, Uruguay (http://fvet.edu.uy/).
Organizers: Veterinary School, Universidad de la Republica (FVET-UdelaR), National Veterinary Laboratories (DILAVE) “Miguel C. Rubano”, National Institute of Agricultural Research (INIA), CL Davis/W Thompson Foundation (Uruguayan Sub-Division), Latin Comparative Pathology Group.
Keynote speakers (CLDavis/WThompson Foundation):
Francisco A. Uzal, DMV, MSc, PhD, DACVP, UC Davis School of Veterinary Medicine, US.
José Díaz Delgado, DMV, MSc, PhD, DACVP, Texas A&M Veterinary Medical Diagnostic Laboratory, US.
Local speakers: Kanji Yamasaki, DMV, MSc, PhD, DICVP; Luis Albornoz, DMV, MSc, PhD; Ricardo Sienra, DMV, MSc; Gimenez Feijoo, DMV; Alejandro Crampet, DMV; Enrique Nogueira, DMV; Cecilia Abreu, DMV; José Manuel Verdes, DMV, MSc, PhD; Veterinary School, Universidad de la Republica, Uruguay
REGISTRATIONS: US$ 60. Veterinary School Registration Office, UdelaR: Marco Podesta Foundation (fundacionmarcopodesta@gmail.com).
LIMITED SITE AVAILABLE: 150.
CONTACTS: Prof. Dr. José Manuel Verdes (jmverdes@fvet.edu.uy).
2020 General Pathology Review Course

Featuring:

Dr. Denise Imai  
Hemodynamics

Dr. Brad Bolon  
Toxicologic Pathology

And more:
Cellular responses to injury
Inflammation and Repair
Immunity and Hypersensitivity
Neoplasia
Microbial mechanisms of disease

Location: College of Veterinary Medicine, UC Davis, School of Veterinary Medicine Davis, California
Dates: January 23-26th 2020
More information: http://www.cldavis.org/upcoming.html#240
"1st Costa Rican Meeting of the CL Davis SW Thompson Foundation"
April 17-18-19, 2020

**PROGRAM**

**FRIDAY 17, SMALL ANIMALS:**
- 08:30 - 09:00: Registration.
- 09:00 - 11:00: Gross diagnosis in veterinary pathology. Francisco Uzal.
- 11:00 - 11:15: Coffee break.
- 12:15 - 13:45: Lunch.

**SATURDAY 18, CATTLE:**
- 08:30 - 08:30: Registration.
- 08:30 - 10:00: Necropsy techniques and sampling in large animals. Leonardo Minatel.
- 10:00 - 10:30: Coffee break.
- 10:30 - 12:00: Clostridial diseases. Francisco Uzal.
- 12:00 - 13:30: Lunch.
- 13:30 - 15:00: Alimentary pathology. Francisco Uzal.
- 15:00 - 15:30: Coffee break.
- 15:30 - 16:30: Respiratory diseases. Francisco Uzal.
- 16:30 - 17:30: Bovine abortion. Francisco Uzal.

**SUNDAY 19**
- 08:30 - 09:00: Registration.
- 09:00 - 12:00: Practical seminar on interpretation of macroscopic lesions. Francisco Uzal, Leonardo Minatel, Roberto Olivares.

**Location:**
Auditorio, Escuela de Cirugía y Medicina Veterinaria
San Francisco de Asis, Universidad Veritas.
San Rafael, Vázquez de Coronado, San José, Costa Rica.

**Faculty:**
- Francisco Uzal, DVM, MSc, PhD, DACVP, University of California-Davis, USA.
- Leonardo Minatel, DVM, PhD, University of Buenos Aires, Argentina.

**Information and registration:**
Dr. Roberto W. I. Olivares, Dr. Fernando Robles Herrera, Dra. Paula Peña Álvarez
Escuela de Cirugía y Medicina Veterinaria
San Francisco de Asis, Universidad Veritas.
San Rafael, Vázquez de Coronado, San José, Costa Rica.

E-Mail: lapavet@veterinariaveritas.ac.cr
Phone: +506 2292-6811 (ext 7)
Phone (Whatsapp only): +506 8723-7673

**Registration:**
- April 17 and 18:
  - $25 veterinary medicine students (lunch and coffee included) Limited access.
  - $35 General (lunch and coffee included) Limited access.
- April 19:
  - $10 General (limited access) Limited access.

**Account for registration:**
MAQUEPE VETERINARIA S.A. 3-101-664987
BANCO NACIONAL DE COSTA RICA
DOLLARS
Current account
100-02-204-000182-5
Client account
151204-100-20001821
IBAN account
CR66015120410020001821
Seventh Paraguayan Expo of Veterinary Pathology (7th Expo PatVet) and Second Paraguayan Seminar of the Davis/Thompson Foundation

On Thursday 11 and Friday 12 of July, the 7th Expo PatVet took place at the Universidad Nacional de Asuncion (UNA), in Paraguay. This event was organized and coordinated by the Department of Pathologic Sciences of UNA, sponsored by the C.L. Davis/SW Thompson Foundation and the Latin Comparative Pathology Group, and coordinated by Dr. Shyriley Paola Amarilla. The main goal of the seminar was to update the audience on the pathology of infectious diseases of animals and also promote scientific investigation amongst veterinary students and professionals. During these two days Dr. Fabio del Piero (Louisiana State University) lectured on pathology of infectious diseases and immunohistochemical diagnosis in domestic animals, and Drs. Andres Avalos, Sandra Perez, Dalila Lopez and Fatima Rodrigues (UNA) lectured on canine leishmaniosis, canine ehrlichiosis, mucormycosis and immunologic diagnosis, respectively. Eighty-three veterinary students and 13 faculty members from UNA, Universidad Católica Nuestra Señora de la Asunción (UCA; Oviedo) and Universidad de Canindeyu (UNICAN; Curuguay), attended the seminar, which was an utter success.
“4th Meeting of the CL Davis/SW Thompson Foundation – Peruvian Sub-Division: Veterinary Dermatopathology and Oncopathology”

Facultad de Medicina Veterinaria, Universidad Nacional Mayor de San Marcos, Lima, Perú, October 7th and 8th, 2019.

The 4th Peruvian Meeting of the CL Davis/SW Thompson Foundation: “Veterinary Dermatopathology and Oncopathology”, was held at the Universidad Nacional Mayor de San Marcos (UNMSM), in Lima, Perú, on October 7th and 8th, 2019. The meeting was organized by Drs. Rosa Perales, Antonio Herrera, Gilberto Santillan, Nieves Sandoval y Alfonso Chavera (UNMSM), with the participation of more than 30 veterinarians and veterinary students from Peru and Brazil. The event was sponsored by the Faculty of Veterinary Medicine (FMV-UNMSM), the Davis/Thompson Foundation and the Latin Comparative Pathology Group. The keynote speaker was Dr. Joaquin Ortega, from the Universidad Cardenal Herrera (Valencia, Spain), who lectured on Veterinary Dermatopathology and Oncopathology. Dr. Fernando Chavez presented Clinical Dermatology cases and Dr. Fernando Carcelen lectured on Cancer and Nutrition in Companion Animals. Dr. Rosa Perales, President of the Peruvian Sub-Division of the Davis/Thompson Foundation gave a presentation on Cases of Canine Neoplasia received at the FMV-UNMSM. The presentations were of the highest quality and very interactive, with actively participation of the audience in all presentations.
Workshop on Pathology and Avian Diseases

Dr. Corrie Brown

Dr. Carmen Jerry

Bangladesh Agricultural University, Mymensingh, Bangladesh, Dec 9-12 2019

For more information:
Dr. Emdadul Haque Chowdhury (emdad001@yahoo.uk)
SAVE THE DATE

2nd Egyptian meeting of the CL Davis/ SW Thompson Foundation
Guest House, Cairo University, Giza 12211
1-3 March, 2020

Dr. Kevin Woolard
Neuropathology

Dr. Tawfik Aboellail
Surgical pathology and dermatopathology

Dr. Francisco Uzal
Gastroenterology
# CALENDAR OF UPCOMING EVENTS

**November 2019**
- 11/9: 2019 ACVP/Davis-Thompson Foundation Pre-conference Workshop
- 12/14-12/16: Argentinian Foundation Seminar

**December 2019**
- 12/2-12/3: Uruguayan Foundation Seminar

**January 2020**
- 1/23-1/26: General Pathology Review Course

**April 2020**
- 4/17-4/18: 1st Costa Rican Meeting of David-Thompson Foundation