Australian Descriptive Veterinary Pathology course in Sydney

From March 18-22 of this year, the Foundation, with support from the Australian Society for Veterinary Pathology, presented the Descriptive Veterinary Pathology course at the beautiful new educational facilities of the Taronga Zoo in Sydney, New South Wales. Along with course director and lecturer Dr. Jey Koehler, two new lecturers joined the line-up to provide their expertise and fresh new approaches to the subject matter. Dr. Linden Craig (University of Tennessee) kept participants actively engaged in her lectures on gross pathology with fantastic images and abundant use of audience-participation polling software. Gross image tests more closely tracked the new test format, being presented as multiple-choice interpretation-style questions, with plenty of lively discussion among the lecturers and participants.

Continued on page 2 & 3
Dr. Patty Pesavento (University of California Davis) encouraged philosophical thinking with her macro-micro lectures that used the vascular and gastrointestinal systems as examples for development of tissue-specific algorithms. She also enlightened participants with her practical and enjoyable approach to ultrastructural pathology, and presented great information on the integration of tools like immunohistochemistry, in situ hybridization, and molecular tools into the diagnostic and discovery processes.

Dr. Jey Koehler (Auburn University) gave attendees some practical tips for approaching glass slides, some testmanship tips and pointers, a few unapologetically strong opinions on wasting words, and an interactive peer-grading exercise designed to help participants understand the process of grading a description with a rubric. Two timed histo tests allowed participants to apply their knowledge and receive feedback from instructors, who presented a thorough review of all slides the following day with photomicrographs of each important feature and an examination (and spirited discussion!) of the grading rubric. On Thursday afternoon, participants were offered a behind-the-scenes tour of the zoo medical facilities.
Thanks to the significant efforts of local Australian hosts Ms. Sue Stanley, Dr. Karrie Rose, and Dr. Tony Ross, the course ran smoothly. The Taronga Zoo education facility is a beautiful, light-filled space that was a pleasure to be in, and the quality of the food and beverages at the catered breaks and lunches was truly outstanding. At the end of the course, the lecturers were treated to a trip on the zoo’s ropes course, which culminates in a spectacular view of Sydney harbor. We all really enjoyed meeting all the participants from all across Australia, New Zealand, Hong Kong, and India, and we look forward to returning to Australia for another DVP course in another couple of years!

Jey Koehler
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.
Diagnostic Exercise
From The Davis-Thompson Foundation*

Case #104: Month: September Year: 2018

Contributors: Francisco A. Uzal, California Animal Health and Food Safety Laboratory System, San Bernardino Branch, University of California – Davis.

Clinical History: A 2-year-old Quarter horse gelding with a history of receiving Banamine® (flunixin meglumine) for an undetermined period. The horse developed colic that lasted for several hours and it was unresponsive to aggressive treatment with several pain killers. Due to the poor prognosis, euthanasia was performed.

Necropsy finding:

Follow-up questions: Morphologic diagnosis, condition, etiology, and pathogenesis.

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
2nd Ethiopian National Workshop on Pathology

The Second Ethiopian National Workshop on Pathology occurred at University of Gondar March 25-29, supported by University of Gondar and the Global Health Pathology Network of the Davis-Thompson Foundation. Sixty-five attendees from various universities in Ethiopia and Somalia, participated in interactive sessions on basic mechanisms of disease, pathogenesis, and necropsy. Workshop facilitators included Dr. Hailu Kinde, Dr. Moges Woldemeskel, and Dr. Corrie Brown. Dr. Kinde is a Professor Emeritus of UC Davis, and he returns to his homeland annually, volunteering to conduct training and improve diagnostics. Dr. Woldemeskel is a faculty member of the University of Georgia, serving at the Tifton Diagnostic Laboratory. He is one of the first graduates of the Addis Ababa University (AAU) College of Veterinary Medicine, which was founded in 1978. He went on to study pathology and then served at AAU for many years, teaching pathology and serving as department head, before moving to the US 20 years ago. Everywhere he went he was greeted as the prodigal son, with most of the pathology faculty from throughout the country greeting him as “Welcome back Professor!”

Participants engaged in necropsy, with guidance from the facilitators.

Using scenario-based materials, exercises involving basic mechanisms were done in group fashion, allowing for all to take ownership of the information. Junior pathology faculty from 5 different universities guided the group discussions, and formed a network to help with their continuing training. Davis-Thompson Foundation created a study center at the University of Gondar, and designated Dr. Girma Birhan as custodian. He is charged with sharing materials across the country.

None of the veterinary schools in Ethiopia has capacity for histologic processing and diagnosis, so there was emphasis on the use of ancillary techniques such as impression smears. On one of the days of training, a horse came to the clinic with suspect epizootic lymphangitis (*Histoplasma farciminosum*). The class went to the clinic, collected material for impression smears, stained them with DiffQuik, and every participant had a chance to find the *Histoplasma* microscopically.
Lymphangitis with exudate

Dr. Woldemeskel with junior pathology faculty from around the country, making impression smears from exudate

DiffQuik staining

Finding the *Histoplasma*

Macrophage stuffed with *Histoplasma*. Diagnosis made!

The impact? A boy and his dad had brought this horse in, because it is bothered by the lesion and can’t keep condition, and is reluctant to pull the cart. The boy’s expression says it all - he knows if he can’t get his horse fixed, he is going to be doing a whole lot more walking and hauling. That’s a serious human-animal bond. Diagnosis is the first step toward targeted and efficacious treatment.
2019 Eastern European Meeting
29-31 May
UL, Faculty of Veterinary Medicine
Ljubljana
Slovenia

Dr. Alex Stoll
University of Surrey, UK

Dr. Harriet Brooks-Brownlie
University of Bristol, UK

Dr. Fabio Del Piero
Louisiana State University, US

Dr. Simon Priestnall
The Royal Veterinary College, UK

- Veterinary Forensic Pathology
- Small Animal Infectious Disease
- Gastrointestinal Biopsies
- Ruminant pathology

For more information and to register for this course:
https://dtmeeting-lj.si/
Inaugural Russian Division Veterinary Pathology Conference
10-12 June

Dr. Fabio Del Piero
Louisiana State University
Diseases of the Horse
June 10

Dr. John Cullen
North Carolina State University
Hepatic Diseases in Domestic Species
June 11

Dr. Paul Stromberg
Ohio State University
Diseases of the Dog and Cat
June 12

Venue: Holiday Inn Moskovskie Vtorota (Holiday Inn)
St. Petersburg Moskovsky Prospekt 97a

Register at:
British Society of Toxicologic Pathology

Notice of Future Meetings

CES 2: Liver
Tuesday 9th - Thursday 11th July 2019
Department of Pathology, Cambridge, UK
Registration for this symposium will open in spring 2019

This Continuing Education Symposium will provide an intermediate level symposium on the Liver covering both theory and practical classes including INHAND, rodent and non-rodent liver pathology and risk assessment as well as reviewing challenges with current research models. 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. More information here.

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 - bstpoffice@aol.com
2019 U.S. Descriptive Veterinary Pathology Course

24 - 28 June
Cumming School of Veterinary Medicine
Tufts University
North Grafton, MA

Lectures, active learning exercises, & mock exams on:
- Gross Pathology
- Microscopic Pathology
- Gross-Micro Correlations
- Ultrastructural Pathology
- Immunohistochemistry

Dr. Jey Koehler
Auburn University

Dr. Patricia Pesavento
University of California Davis

Dr. Linden Craig
University of Tennessee

More information at: http://www.cldavis.org/upcoming.html#227
Course director: Dr. Jey Koehler (jow0007@auburn.edu)
Register at: www.regonline.com/2019descriptive
2019

European Descriptive Veterinary Pathology Course

8 - 12 July
Állatorvostudományi Egyetem
University of Veterinary Medicine, Budapest
Budapest, István u. 2, 1078 Hungary

Lectures, active learning exercises, & mock exams on:
- Gross Pathology
- Microscopic Pathology
- Gross-Micro Correlations
- Ultrastructural Pathology
- Immunohistochemistry
- Comprehensive Pathology

Faculty:

Dr. Jey Koehler
Auburn University

Dr. Patricia Pesavento
University of California Davis

Dr. Linden Craig
University of Tennessee

More information at: www.cldavis.org/upcoming.html#228
Course director: Dr. Jey Koehler (jaw0007@auburn.edu)
Register at: www.regonline.com/2019Europeandescriptive
GROSS PATHOLOGY REVIEW COURSE
University of Florida
July 15-19, 2019

LECTURES ON MACROSCOPIC PATHOLOGY OF:
- Swine
- Poultry
- Reptiles and Amphibians
- Mammalian Zoo and Exotic Animals
- Dogs
- Aquatic Animals
- Marine Mammals
- Cats
- Non-human Primates
- Laboratory Animals
- Ruminants
- Avian Wildlife
- Horses

For more information:
http://www.cldavis.org/upcoming.html#232

Register at:

Course director:
Dr. Mike Dark
University of Florida
5º CBPV
Congresso Brasileiro de Patologia Veterinária

XIX ENAPAVE
Encontro Nacional de Patologia Veterinária

2019
De 15 a 18 de julho
Centro de Convenções de Ribeirão Preto, SP

TEAM NACIONAL
Josué Diaz Delgado
Alexandre Krause
Regina Kiomi Takahira
Stella de Faria Valle
Nádia Regina Pereira Almosny
Samantha Ive Miyashiro
Ricardo Duarte Lopes
Fabrizio Grandi

TEAM INTERNACIONAL
Fábio Del Piero
Ryan N. Jennings
Monique S. França

REALIZAÇÃO

Funep

Funep - Setor de Eventos
Informações e Inscrições
www.funep.org.br
www.enapave.com.br
www.abpv.org.br
(16) 3209-1300/(16) 3209-1303
### CL Davis / SW Thompson Foundation and LCPG Courses in Latin America 2019

<table>
<thead>
<tr>
<th>Country</th>
<th>Course</th>
<th>Date</th>
<th>Venue</th>
<th>Invited speakers</th>
<th>Main topics</th>
<th>Contact</th>
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<tbody>
<tr>
<td>Colombia</td>
<td>Seminar of Respiratory and Gastrointestinal Pathology in swine, poultry and equine</td>
<td>May 23-25</td>
<td>Medellín, Colombia</td>
<td>Francisco Uzal (UC Davis); Ingeborg Langohr (Louisiana State University); Francisco Carvallo (UC Davis); Dario Mogollon (Corpavet, Colombia)</td>
<td>Respiratory and gastrointestinal pathology of birds, horses and pigs.</td>
<td>Paola Barato <a href="mailto:paola.barato@corpavet.co.m">paola.barato@corpavet.co.m</a></td>
</tr>
<tr>
<td>Chile</td>
<td>Joint meeting: 19th Meeting of the Chilean Animal Clinical Pathology Society and 5th Meeting of Veterinary Histopathology</td>
<td>June 28-30</td>
<td>Hotel Manquehue, Puerto Montt (X region, Chile)</td>
<td>Paul Stromberg (University of Ohio, USA); David Bruce Greman (University of Prince Edward Island, Canada); Kirstin Barnhart (Abbvie, USA)</td>
<td>Mamalian pathology Fish pathology Clinical Pathology Histopathology cases</td>
<td>Frank Vera. <a href="mailto:frank.vera@uss.cl">frank.vera@uss.cl</a></td>
</tr>
<tr>
<td>Chile</td>
<td>Third symposium of veterinary pathology</td>
<td>July 8-9</td>
<td>Universidad Mayor, sede Huechuraba, Santiago, Chile</td>
<td>Fabio del Piero (LSU, USA)</td>
<td>Equine respiratory diseases and diseases of the equine nervous system</td>
<td>Carlos Flores <a href="mailto:carlos.flores@umayor.cl">carlos.flores@umayor.cl</a></td>
</tr>
<tr>
<td>Paraguay</td>
<td>Symposium of veterinary anatomic pathology</td>
<td>July 11-12</td>
<td>Auditorio de la Dirección General de Extensión Universitaria – Campus Universitario de la UNA – San Lorenzo</td>
<td>Fabio del Piero (LSU, USA)</td>
<td>Infectious diseases of domestic animals (ruminant, horses, dogs and cats)</td>
<td>Shyrel Paola Amarilla <a href="mailto:pamarilla@vet.una.py">pamarilla@vet.una.py</a> Leila Maidana Moreno <a href="mailto:lmaidana@vet.una.py">lmaidana@vet.una.py</a></td>
</tr>
<tr>
<td>Brazil</td>
<td>14th Brazilian Symposium of the Davis-Thompson Foundation and 5th Congress Brasileiro de Patologias Veterinárias XIX ENAPAVE</td>
<td>July 15-18</td>
<td>Centro de Convenções de Ribeirão Preto, Ribeirão Preto - São Paulo State</td>
<td>Fabio Del Piero (Louisiana State University); José Diaz Delgado (FMVZ-USP); Monique França (University of Georgia); Ryan Jennings (Ohio State University); Alexandre Kraus (UFF-RJ); Stella de Faria Valles (UFGRS-RJ); Nádia Almosny (UFF-RJ); Samantha Ive Miyashiro (IDEXX); Ricardo Eduardo Lopes (PROVET-SP)</td>
<td>Equine Pathology Wild Animals Pathology Ornithopathology Dermatopathology Feline Hematology</td>
<td>Gisèle Fabrino Machado <a href="mailto:gislem@fmva.unesp.br">gislem@fmva.unesp.br</a></td>
</tr>
<tr>
<td>Peru</td>
<td>“4th Peruvian Seminar of the Davis-Thompson Foundation”,</td>
<td>October 7-8</td>
<td>Facultad de Medicina veterinaria, UNMSM, Lima, Peru</td>
<td>Joaquin Ortega Perel (CEU, Spain); Other speakers TBD</td>
<td>Dermatopatología – mammary tumors and soft tissue sarcoma</td>
<td>Rosa Perales <a href="mailto:rperalesc@unmsm.edu.pe">rperalesc@unmsm.edu.pe</a></td>
</tr>
<tr>
<td>Mexico</td>
<td>1st Mexican Seminar of the Davis-Thompson Foundation</td>
<td>October 17-18</td>
<td>School of Veterinary Medicine and Zootechnics Mexico City</td>
<td>Patricia Pesavento (UC Davis); Francisco A Uzal (UC Davis); Francisco R Carvallo (UC Davis)</td>
<td>Gross and microscopic pathology Pathology of the gastrointestinal system</td>
<td>Laura Romero Romero <a href="mailto:lromero@unam.mx">lromero@unam.mx</a></td>
</tr>
<tr>
<td>Colombia</td>
<td>“Seminar of Forensic Veterinary Pathology”</td>
<td>October (dates to be confirmed)</td>
<td>Universidad Nacional de Colombia Sede Bogotá</td>
<td>Virginia Charnes; Wilson Ramirez (UC Davis); Paola Barato (CORPAVET); Other to be confirmed (ACP/AVET)</td>
<td>Forensic Necropsy Custody Chain Environmental crimes Forensic Photography</td>
<td>Paola Barato <a href="mailto:paola.barato@corpavet.co.m">paola.barato@corpavet.co.m</a></td>
</tr>
<tr>
<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 runinants. Clotstrudial diseases in runinants.</td>
<td>Agustin Martinez <a href="mailto:martinez.agustino@inta.gob.ar">martinez.agustino@inta.gob.ar</a></td>
</tr>
<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>
</tr>
</tbody>
</table>
Call for Abstracts and Student Travel Awards

Join your colleagues and friends at the STP 38th Annual Symposium to be held at Raleigh Convention Center in Raleigh, North Carolina, June 22-27, 2019. The theme for the 2019 Annual Symposium is "Environmental Toxicologic Pathology and One Health". Visit www.toxpath.org to review the preliminary information and to complete your registration and hotel reservations early.

Call for Abstracts
Abstract Submission Deadline: March 30, 5:00 pm ET
Contents of the poster presentations should pertain in some way to the field of toxicologic pathology but are not limited to "classic" toxicity studies/issues technologies. Naturally occurring toxicities (including poisonous plants), in any species, as well as spontaneous and infectious diseases of species used in toxicity studies, are welcome, as are mechanistic in vitro and molecularly-oriented studies. Studies in alternative species such as fish are also encouraged.

Available Student/Trainee Awards:
Abstract and Application Deadline: March 30, 5:00 pm ET
Visit https://www.toxpath.org/AM2019/awards.asp to learn more and apply!

STP Student Travel Awards
STP Young Investigator Awards
IATP/STP Food Safety Scientific Award
IATP/STP Toxicologic Pathology Trainee Award
Current Topics in Rodent Pathology

September 29 - October 1, 2019 • Raleigh, North Carolina

Registration now open!

The 2019 RTP Rodent Pathology Symposium will focus on the following areas:

- Natural Diseases of Rodents
- Medical Device Pathology in Rodent Models
- Nanoparticle-related Pathology in Rodent Models
- Toxicology for Pathologists
- Emerging Topics in Clinical Pathology

To register, please visit: https://rtprodentpathology.org/

The program offers 17 hours of Continuing Education credit
Il Joint Meeting of the Chilean Society of Animal Clinical Pathology and the Chilean Society of Veterinary Pathology
XX Annual Animal Clinical Pathology Meeting
V Bi-Annual Histopathology Meeting

International speakers:

Dr. Kirstin Barnhart
Covance

Dr. David Bruce Groman
University of Prince Edward Island

Dr. Paul Stromberg
Ohio State University

Hotel Manquehue, Puerto Montt, Chile
29-30 de junio y 1 de julio de 2019

For more information:
Dr. Frank Alexis Vera Otárola - frank.tera@uss.cl
Dr. Ricardo Ildefonso - ricardo.ildefonso@pathovet.cl
CL Davis/SW Thompson Workshop:
Mechanisms of disease and macro-micro correlations

Disturbances of circulation
Inflammation
Necropsy
Cell injury
Necrosis

Dr. L. Tiffany Lyle
Purdue University

Dr. Corrie Brown
University of Georgia
The European Division of the Davis-Thompson Foundation is excited to announce that editors of Pathology of Zoo and Wildlife Pathology will be our speakers at our 2019 Symposium!

Dr. Karen Terio  Dr. Judy St Leger  Dr. Denise McAloose

- Diseases of wildlife and zoo animals
- Marine mammals
- Reptiles
- Amphibians
- Wild felids
- Daily gross and histology
- Quizzes
- Audience participation

Van der Valk hotel, Arnhem, Netherlands, 24 - 25 Sept 2019
I seminar of the Mexican subdivision, Davis Thompson foundation

Mexico City, October 17-18, 2019

- Descriptive pathology
- Gross and histo correlation
- Gastrointestinal Pathology
- Microbial pathogenesis
- Evolving diseases
- Viral discovery and much more!

Dr. Patricia Pesavento
Dr. Francisco Uzal
Dr. Francisco Carvallo
## CALENDAR OF UPCOMING EVENTS

### May 2019
- 05/29-05/31: 2nd Annual Eastern European Meeting – Llubjana, Slovenia

### June 2019
- 06/24-06/29: 2019 U.S. Descriptive Veterinary Pathology Course
- 06/29-07/1: 2019 Chilean Society of Clinical and Veterinary Pathology – Puerto Mont, Chile

### July 2019
- 07/08-07/12: 2019 European Descriptive Veterinary Pathology Course – Budapest, Hungary
- 07/09-07/11: BSTP Pathology of the Liver, Cambridge, UK
- 07/15-07/19: Gross Path Review Course, University of Florida, FL
- 07/15-07/18: XIX ENAPAVE - 5º Congresso Brasileiro de Pathologia Veterinaria

### August 2019
- 08/03-04, 08/05-09: CLASS/POLA, University of Pennsylvania, PA

### October 2019
- 10/17-10/18: 1st Annual Mexican Division Meeting of the Mexican Division – Mexico City