Foundation’s European Division Holds Annual Meeting in Uppsala

Uppsala is a small city in Sweden with just 130,000 residents and it has beautiful features such as the Uppsala Cathedral which dates back to the late 13th century and which was used for the coronations of the Swedish monarchs. Carl Linnaeus was a Swedish botanist, physician and zoologist, who laid the foundations for the modern scheme of binomial nomenclature. The city is justifiably proud of its famous inhabitant Carl Linnaeus, and there is a garden and museum commemorating his life in Uppsala. Uppsala also boasts a castle on a hill built during the time when Sweden was on its way to become a great power in Europe. King Gustav Vasa began construction of Uppsala Castle in 1549 and today the castle houses the art museum and its large hall is used for conference dinners. The delegates met at the welcome reception at the Katalin bar in central Uppsala on the Monday evening to meet fellow attendees and to enjoy a drink together.

There were just over 25 delegates at the meeting (including speakers) representing a variety of European countries and they made an enthusiastic and receptive audience. We started with a series of four lectures from Prof. Paul Stromberg, who explained the principles and practice of veterinary surgical pathology to us. Paul has made an intensive study of this subject and presents a series of lectures which are fascinating and unique. Prof. Stromberg has stepped back from our obsession as veterinary pathologists to correctly identify all slides presented to us and told us instead about how we make diagnoses. He pointed out that the pathologist reading the biopsy sample is somewhat removed from the patient, owner, history and possibly also the clinician. Prof. Stromberg also emphasized how veterinary pathologists often do not get to see the gross lesions, they do not select the tissue to be examined and often there is a poor or no history. Throughout his series of lectures Prof. Stromberg stressed the constant threat of litigation, the pressure on the pathologist to produce an answer quickly and told us how sometimes time, effort and money are spent on a biopsy with no diagnosis being obtained.

He discussed the pros and cons of various biopsy techniques (such as the trucut) and showed us slides of various commonly encountered artifacts in surgical biopsies. We also discussed correct fixation, how to report on tumor margins and the pitfalls of “autopsies in a jar!”

(continued on page 2)
After a coffee break, Prof. Stromberg showed us his well-designed submission form which encourages clinicians to give pathologists as much information on the case as possible. After a delicious lunch of fish and potatoes, Prof. Paul Stromberg demonstrated to us how pathologists recognize patterns and how they make diagnoses (and mistakes!) using cognitive reasoning. Prof. Stromberg's lectures are really interesting and forced us all to think a bit more about how we approach a surgical biopsy.

Our next speaker was Prof. Jorgen Agerholm from the veterinary school at Copenhagen. He spoke to us on congenital reproductive diseases in large animals. Most veterinary pathologists find reproductive pathology a challenge. Abortions, severe autolysis and materials of suboptimal quality and quantity are the rule rather than the exception! Furthermore, the tissues examined are immature and contaminated and the history is generally just given as “abortion”!!

Prof. Agerholm proceeded to explain the causes of stillbirths and abortions in a thorough and systematic manner. He also told us how to approach congenital disorders which comprise complex pathology and may not be observed very often.

We were very lucky to have John Edwards from Texas A & M University with us for some of the time. John asked some very perceptive questions and was able to give us some case histories from his vast experience in veterinary pathology, particularly reproductive diseases.

Wednesday morning dawned bright and early with somewhat rainy, overcast weather! Prof. Stina Ekman gave us an excellent overview of osteochondrosis in domestic animals. In particular, she demonstrated the latest hypothesis on the cause of osteochondrosis, which is thought to be local ischemia to the epiphyseal cartilage which leads to the formation of highly vulnerable zones of necrotic cartilage, which later cause a delay in endochondral ossification. Prof. Ekman then proceeded to give us a lecture on osteoarthritis and she emphasized the multifactorial etiology of the condition and told us that osteoarthritis is not considered to be a classical inflammatory arthropathy due to the absence of neutrophils in the synovial fluid.

After the coffee break, Dr Erika Karlstam gave us a really interesting lecture on cardiomyopathies in cats and dogs. Dr Karlstam's lecture was beautifully illustrated and in particular, her picture of parchment heart (Uhl's anomaly) was superb. Dr Karstam concluded her lecture by explaining how to investigate a cardiac anomaly and how to avoid various diagnostic pitfalls associated with cardiomyopathies in dogs and cats.

Finally, after another delicious lunch of Swedish delicacies, this time including chicken, Mark Stidworthy finished the day's proceedings with two lectures on the diseases of captive wildlife. These were two in-depth lectures in which we discovered how many of the diseases that veterinary pathologists are familiar with, such as tuberculosis and herpes viruses, cause similar manifestations in captive wildlife. Dr Stidworthy also stressed how well-meaning zoo keepers may cause the death of captive wildlife due to overfeeding, under nutrition by feeding the incorrect diet and dietary imbalances in calcium, phosphorus and vitamin D. Dr Stidworthy's lectures contained many photographs from cases that he has investigated and, in many cases, published.

During the meeting, the organizers presented Zaida Renteria and Iris Voelker with their travel bursaries. The organizers and delegates also took some time out to present Prof. Alun Williams with a small gift of appreciation for his hard work for the C.L. Davis Foundation in the preceding ten years. After helping to organize more than ten European meetings, Alun has resigned as the Vice President of the European Division, but he expressed a wish to come back soon and attend the meetings as a delegate!

Prof. Rod Else, Prof. Alun Williams and myself (Liz McInnes), as organizers of this meeting, felt that the two-day event had gone extremely well. We have analyzed the feedback forms and the scores for all speakers were very high. Comments included “great and useful symposium”!! Our delegates have given us a number of ideas about future topics and we already have ideas about what next year’s meeting in Leon, Spain will consist of. The European Division of the C.L. Davis DVM Foundation continues to provide up to date, high quality, continuing professional education for all veterinary pathologists whether they are in industry, academia or diagnostic laboratories.
C.L. Davis Conference on Transboundary Diseases
Addis Ababa, Ethiopia
New Independent Study Center Established
September 14, 2011

The First International Congress on Pathogens at the Human-Animal Interface (ICOPHAI) was organized for Addis Ababa, September 15-17, 2011, by an international consortium of veterinarians, physicians, and ecologists. Several members of the CL Davis Board of Directors solicited funding to organize a partner seminar on Pathology of Transboundary Diseases, to be held in concert with this larger congress. USDA-APHIS-ITRCB (International Technical and Regulatory Capacity Building) supplied funding for several speakers and attendees to allow them to participate in this program.

The CL Davis conference was organized by Drs. Lonzy Ojok, Hailu Kinde and Tracey McNamara

Speakers included: Dr. Lonzy Ojok (Makerere University), Dr. Hailu Kinde (UC Davis), Dr. Corrie Brown (University of Georgia), Dr. Paul Mbuthia (University of Nairobi), Dr. Tsegaye Habtemarian (Tuskegee University), Dr. Gireesh Rajashekar (Ohio State University).

The focus of the CL Davis conference was diagnosis and pathogenesis of selected transboundary diseases. In addition, there were presentations on the increasing importance of global trade and heightened vulnerability to these agents. Full agenda is below. There were approximately 45 attendees, from countries throughout Africa, as well as Brazil, the Philippines, and USA.

It is the desire of the CL Davis Foundation to establish more study centers on the continent of Africa. Ethiopia was targeted as the next center. Addis Ababa University College of Veterinary Medicine, located at Debre Zeit, was thought to be an ideal location. However, there were no pathologists from this faculty at the ICOPHAI meeting. Dr. Lonzy Ojok made contact with the Dean of this Faculty, who agreed to oversee the development of a center here, with his pathology faculty members. In the interim, Dr. Getnet Mekonnen, chief pathologist for the National Animal Health Laboratory in Addis Ababa, who holds both veterinary and master’s degrees from this university, agreed to serve as the repository of the DVDs until final arrangements are made between Dr. Ojok and the university.
STP and Davis Foundation Bring D.C. Pathologists Together in Bethesda

On 14 October 2011, The C.L. Davis Foundation, along with the Society for Toxicologic Pathology, sponsored a day-long seminar at the Uniformed Services University in Bethesda, Maryland on “The Toxicologic Pathologist and the Regulatory Community”. This outstanding convocation of speakers from “both sides of the fence” was attended by over a hundred pathologists, government scientists and members of the toxicology community.

The seminar began with a lecture on “The Toxicologist and the Pathologist – Working Together in Drug Development” by Carol Auletta, a diplomate of the American Board of Toxicology and study director at Huntingdon Life Sciences, who outlined the study process and the many areas when toxicologists, pathologists and study directors interact. She was followed by Dr. Marlin Rebelatto, Senior Pathologist at MedImmune, Inc., who covered the “Histopathology Assessment of Preclinical Safety Studies: Current Practices and Challenges” His lecture covered the many issues facing toxicologic pathologists from study inception until the turn-in of the toxicology report, and focused on issues with the variation in pathology lexicons between organizations.

Following a short break, Dr. Dianne Creasy of Huntingdon Life Sciences gave an excellent lecture on “Identifying and Justifying changes Associated with Stress in Preclinical Toxicity Testing”. Electronic copies of her excellent review of the effects of stress on morphologic and biochemical parameters were offered to attendees upon request. Before lunch, a lecture (and associated webinar) to an additional 120 pathologists was presented by Dr. Vince Meador, Global Scientific Leader, Non-clinical Safety Assessment for Covance, Inc. gave an illustrative lecture (with associated case reviews) on the “Integration of Clinical and Anatomic Pathology Data Sets in Toxicology Studies.” His excellent review focusing on correlating morphologic changes in the liver in animals with elevated ALT and AST sent the crowd to lunch with a high level of excitement.

Lunch was available in the University's lunchroom, and attendees took the opportunity to renew acquaintances as well as discuss the interesting points raised in the various excellent lectures that morning.

Following lunch, Dr. David Jacobson-Kram of the Center for Drug Evaluation and Research of the FDA, gave an excellent lecture from the opposing viewpoint, on “Carcinogenicity Testing of Pharmaceuticals, Past Present, and Future. The day closed with a lively panel discussion between a rapt audience, five outstanding speakers, and Dr. Sarah Hale of the Joint Pathology Center, one of the conference organizers.
2011 CLD/ACVP Diagnostic Pathology Seminar:
Neuropathology: Navigating the Vast Pink Wasteland

Neuropathology Basics
Common Artifacts
Comparative Neuropathology
Small Animal Neuropathology
Large Animal Neuropathology

Speakers:
Sarah Hale, JPC
William Jordan, Vet Path Services
Fabio Del Piero, UPenn
Tom Van Winkle, UPenn

Dec 3, 2011
In Conjunction with the 2011 ACVP Meeting, Nashville, TN

The central nervous system is one of the most difficult, and yet one of the potentially most rewarding, of the major body structures for the veterinary pathologist to evaluate. The need to understand structure-function relationships, the complex microanatomy, the blinding speed at which new scientific information becomes available and the frustrating propensity of the system to artifactual changes combine to create this often-frustrating duality. Please join us for a one-day seminar designed to provide you with practical information to help simplify and refine the evaluation of the brain and spinal cord, no matter what your discipline in veterinary or comparative pathology.

Program Director:
Dr. Sarah Hale, DVM, DACVP
Joint Pathology Center
(301) 295-6196

For more info, visit:
http://www.davisfoundation.org/seminars.htm#T3
1\textsuperscript{st} Descriptive Veterinary Pathology Course in Argentina

Faculty of Veterinary Sciences, University of Buenos Aires-C.L. Davis Foundation

12 – 16 December 2011, Faculty of Veterinary Sciences, University of Buenos Aires, Argentina

\textbf{Program Director:}\nDr. Leonardo Minatel, DVM, PhD  
Facultad de Ciencias Veterinarias  
Universidad de Buenos Aires  
Ph: 54 11 4580 2821  
E-mail: lminatel@fvet.uba.ar

\textbf{Faculty:}\nDr Jo Lynne Raymond, DVM, Dipl. ACVP  
Dr Fabio del Piero, DVM, PhD, Dipl. ACVP  
Dr Francisco Uzal, DVM, MSc, PhD, Dipl. ACVP

\textbf{Tuition Fees:}\nMembers of the Argentine Veterinary Pathology Association: $ (Argentinean) 400 (~ U$ 100)  
Non members: $ (Argentinean) 1300 (~ U$ 325)

\textbf{Note:} There are a limited number of seats available for this course (60) and registration will be open until this number is filled. Early registration is encouraged. \textbf{This course will be taught in Spanish.}

\textbf{More Information:}\nMore information including full faculty addresses, schedule, hotel accommodations, and registration materials are available at:  
\url{http://www.cldavis.org/courses/upcoming.html}
Veterinary Systemic Pathology Online

775 cases grouped by System, Animal Group or Etiology. Each case includes a virtual slide and multiple microscopy images highlighting diagnostic fields.

Case reports include descriptions, diagnosis, differentials, clinical, gross and microscopic findings, comparative pathology, references and more.

The database can be searched by selecting System, Animal Group, Etiology, with a combination of the three or search with keywords.

The Test Center includes mini-boards for the most recent 5 years, a selection of gross test carousels and the ability to randomly view cases based on selected criteria. View cases as unknowns for self-testing.

Related cases within VSPO are linked within the case reports. Each case also searches our Wednesday Slide Conference database for possibly relevant cases.

VSPO is a resource of the Veterinary Pathology Services at the Joint Pathology Center.

For free access, email your First and Last name, address, phone number and email address to vspo@mac.com
CONSERVATION, MANAGEMENT AND HEALTH OF AQUATIC, AERIAL AND TERRESTRIAL WILDLIFE

13-18 February 2012

The Cybec Foundation has provided generous support to bring you an excellent short course on wildlife health.

This intensive Short Course will focus on the ecology of disease, diagnosis of vector-borne diseases, human influences on wildlife disease, followed by a systematic review of the diseases of aerial, terrestrial and aquatic wildlife.

Additional practical workshops are planned on necropsy and laboratory skills, wildlife health risk assessment, and information management and mapping. The course is open to anyone with an interest in wildlife disease, including pathologists, veterinarians, conservation biologists, veterinary students and postgraduate students.

Confirmed speakers include internationally renowned wildlife pathologists:

Dr Scott Fitzgerald, Gary Wobeser, Ian Barker, Richard Jakoboff, Judy St Leger and Leellen Scolte along with many highly respected local speakers.

This course is coordinated by The Australian Registry of Wildlife Health in collaboration with the University of Sydney and the C. L. Davis Foundation, and supported by the Wildlife Disease Association – Australasia and SeaWorld USA.

TO REGISTER YOUR INTEREST IN ATTENDING, PLEASE CONTACT: arwh@ozemail.com.au. Phone (02) 9978 4749. The course program and registration forms will be available shortly to download from our website: http://www.arwh.org/publications.

ACCOMMODATION

Affordable, dormitory accommodation will be available within a short distance of the conference location. To register your interest in this type of accommodation, please contact the Registry, as above.
CALENDAR OF UPCOMING EVENTS

December 2011:

12/2  7\textsuperscript{th} Annual CLD/ACVP Symposium –
“Neuropathology – Navigating the Vast Pink Wasteland” –
Nashville, TN

12/3 – 12/7  Annual Conference of the ACVP/ASCVP –
Nashville TN

12/12 – 12/16  1\textsuperscript{st} Descriptive Veterinary Pathology Course
in Argentina, University of Buenos Aires, Argentina

February 2012:

2/13-2/18  Wildlife Pathology Short Course – Camden,
Australia

BOOKSTORE ORDERS
We occasionally have problems with overseas credit card orders through the bookstore. If you find you cannot place your order please email, call or fax the Foundation at phone: 847-367-4359, fax: 847-247-1869
email: cldavisdvm@comcast.net. Make sure you include your name, address, phone, email address and credit card number with expiration date and we will ship your purchase immediately.

ARTICLES NEEDED

NEWSLETTER DEADLINES

All materials must be received no later than the 15\textsuperscript{th} of the previous month in order to be included in the newsletter.

Articles should be submitted as MS Word documents. Photos should be submitted as a JPEG.

Any advertisements or registration material for symposia or courses or should be submitted at least 3-4 months in advance.