Attendee’s Report on the 2012 European Division Symposium

By Pompei Bolfà, Nerea Cuesta Garcia and Liz McInnes

Corrie Brown, the first speaker, presented a series of excellent lectures on emerging and transboundary diseases and kept all the delegates interested and amused with her anecdotes! She taught the delegates to think about pathogenesis of disease before establishing a diagnosis. In addition to the veterinary information, she also provided the audience with some useful advice about adult learning. These were valuable concepts that lecturers need to know in their everyday interaction with the veterinary students.

Simon Priestnall’s talk about infectious disease of dogs and cats was well-presented, well-illustrated and very well organized. Tim Scase did a great job in summarizing emerging trends in veterinary mammary gland neoplasia and veterinary oncology. He also provided beautiful images as examples in his talks.

Valentin Perez managed, in a short period of time, to illustrate perfectly the pathology of the gastrointestinal tract in sheep, which was most appreciated by the audience. Juan Francisco Garcia Marin conducted a useful review of the pathology of respiratory tract in sheep, which was also well received. Ricardo Feinstein gave an exhaustive overview of rabbit diseases with lots of practical examples, including stories and images.

(continued on page 4)
7th Annual Indian Division Meeting Focuses on Aquaculture

On the 8th of November, a very dedicated and enthusiastic group of Indian veterinarians and veterinary pathologists travelled from all over India to attend the 7th annual CL Davis seminar in association with the Indian Association of Veterinary Pathologists (IAVP) annual meeting.

This year, the event was held at the National Research Center on Equines in Hisar, situated in Haryana province, a few hours to the West of New Delhi. MAJ Eric Lombardini, who is stationed in Bangkok, flew to India to deliver 8 hours of lecture covering the spectrum of the macroscopic and microscopic pathology of aquatic species. He began his talks with an overview of fish as laboratory animals and a review of the recent literature demonstrating the extraordinary diversity of fish species used in medical research as well as an in-depth discussion of the pros and cons of fish in basic research and as models of human disease. The lectures on etiologies which followed covered the bulk of the day and were followed by a separate lecture dedicated to diseases of farmed fish and culminating with a talk on integrated agriculture and aquaculture with a concentration of traditional methods and use of integrated aquaculture systems in treating domestic animal waste.

In spite of having attended the full week of lectures at the IAVP, the audience of professionals interested in or dedicated to the diagnostics of fish and crustacean health were animated and engrossed in the covered material, with questions extending over an hour after the close of the lectures.

Lecturer Eric Lombardini and division director Vipan Kumar Gupta (center) conducted another successful Indian Division Workshop in Hisar.
2013 Descriptive Veterinary Pathology Course

Auburn Univ. College of Veterinary Medicine - 3-7 June 2013

Lectures include:

- Descriptive Techniques in:
  - Gross Pathology
  - Microscopic Pathology
  - Cytology
  - Electron Microscopy
  - Immunohistochemistry

- Review of Clinical Pathology
- Gross-Microscopic Correlations
- 6 Practical Examinations
  - Gross Exams
  - Histo Exams
  - 4 exams are faculty-graded for extra feedback

For more information, including tuition, venue, and hotel information, please visit
http://www.cldavis.org/courses/upcoming.html

Program Director:
Dr. Bruce Williams, DVM, DACVP
Joint Pathology Center
301-467-4024
Email: Williams@cldavis.org

This course has been submitted (but not yet approved) for 32 hours of continuing education credit in jurisdictions which recognize AAVSB RACE approval, however participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call Dr. James Britt, 501-907-2435, for further information.
The local venue was comfortable and the food and coffee breaks were excellent. The city of Leon is lovely and some of its most famous sights including the beautiful cathedral are shown below. The CL Davis meeting in Leon was very well coordinated by Prof. Rod Else, who did a great job in keeping the lectures punctual, but at the same time giving some freedom of discussion for interesting topics.

Bursary recipient Pompei Bolfa stressed that he was grateful to CL Davis DVM Foundation for awarding him with his stipend. Otherwise it would have been impossible for him to attend the meeting and to get to know the CL Davis DVM Foundation courses and lecturers.

Comments from delegates included:

“The food, organization, place and the city itself were all very good and we had the chance to enjoy a bit of sunshine.”

“The CL Davis meeting this year was quite good. I have not been to previous ones but I liked this one.”

“But the best thing was being able to interact with the speakers and other assistants and exchange different points of view about our careers. This was easy thanks to events like the Welcome Reception at the pub and the coffee breaks and lunch. The atmosphere of this course was very relaxed and familiar, so everybody could meet and talk to everybody and there was good participation during the talks with questions and different comments.”

We look forward to seeing everyone (and a lot of new faces), at next year’s meeting in association with the ESVP meeting in London, currently in its planning phase.

Got Pictures of a Foundation Meeting?
We’d love them for the newsletter! Attending a meeting, using a publication, spending time in a Foundation study center anywhere in the world – it all makes the newsletter a more interesting read and shows how much we are doing around the world.

Please send any digital images to Foundation newsletter to info@cldavis.org and thanks!!!
Workshop & Symposium on Laboratory Animal Diseases
Sponsored by the C.L. Davis DVM Foundation
Chicago, Illinois, U. S. A.
Wednesday 17 April through Saturday, 20 April, 2013

- Symposium on “Diseases of the Mouse” by Dr. Cynthia Besch-Williford of IDEXX RADIL
- Full use of the Biologic Resource Center’s 14,000 kodachromes, numerous glass slides and DVD lectures on diseases of lab animal species
- Seminars on Primate Pathology, Mouse Nomenclature, Review of Behavioral Methods Used in Biomedical Research, Review of Legislature, Large Animal Cardiovascular Models and Alternatives, What’s Your Diagnosis; Diseases of Rats, Hamsters, and Guinea Pigs, and a Literature Review.
- Simulated Practical Examination

Program Director: JAMES E. ARTWOHL, DVM.
Biologic Resources Center, 1840 West Taylor Street, Chicago, Illinois
Phone: 312-996-1217
Email: jeart@uic.edu

For complete information on this course, please visit the Davis Foundation website at: http://www.cldavis.org/courses/upcoming.html
40th Annual Gross Morbid Anatomy of Animals

Presented by the Charles Louis Davis, DVM Foundation
8-12 July 2013   University of Minnesota, Saint Paul, MN

Come join us at one of the most renowned pathology courses in the world - all species, all systems, and international experts presenting 36 hours of great CME. Each year, this in-depth course draws over 120 pathologists, lab animal practitioners, veterinary clinicians, and students from around the world. Don't miss out in 2012!

Course Director:
Bruce Williams, DVM, DACVP
Email: Williams@cldavis.org

For more information, visit:
http://www.clidavis.org/upcoming.html

"This course has been submitted but not yet approved for 36 hours of continuing education credit in jurisdictions which recognize AVMA/RACE approval; however, participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call James Britt, DVM at 501-907-2433 for further information."
If you are attending the ACVP annual meeting in Seattle this year, you are cordially invited to attend one or more of the following activities of the Latin Comparative Pathology Group (the Latinamerican Division of the CLDavis Foundation).

1- Spanish/Portuguese presentations
Monday December 3, 2012; 12:15 p.m.-1:45 pm; Room: 614 at the Sheraton Hotel
Presentations in Spanish/Portuguese (power point presentation and hand outs in English):

“Phototoxic retinopathy in rats can be confounding factor in chronic studies - Retinopatía fototóxica em ratos pode ser um fator complicador em estudos toxicológicos crônicos”. Leandro Teixeira DVM, MS, COPLOW Fellow (presentation in Portuguese). *School of Veterinary Medicine and Department of Ophthalmology and Vision Science, School of Medicine and Public Health, University of Wisconsin, Madison, WI*


“Education in Veterinary Pathology - Educación en Patologia Veterinaria”. Ana Alcaraz DVM, PhD, DACVP (presentation in Spanish). *Western University of Health Sciences, College of Veterinary Medicine, Pomona, California*

2-LCPG business meeting
This meeting is public and open to anyone interested.
Tuesday December 4, 12:00 noon-1:30 pm; Capitol Hill room, at the Sheraton Seattle Hotel. Agenda: To be announced

3-LCPG travel award presentation
This is the first year that the LCPG will be awarding this prize. The award will be given to the 2012 winner, Dr Fernanda Castillo Alcala, Ross University School of Veterinary Medicine, during the CLDavis Award reception, Monday December 3, 5:00 pm-6:30 pm. Room Metropolitan A, at the Sheraton Seattle Hotel

I look forward to seeing you all at the ACVP Meeting in Seattle, WA!

Sincerely,

Francisco (Paco) Uzal, President LCPG
Contributor: Francisco R. Carvallo, Departamento de Patología Animal, Facultad de Ciencias Veterinarias y Pecuarias, Universidad de Chile.

Signalment and history: A 10.5 year old, castrated male Rag Doll cat. This cat was presented to a private veterinary clinic with dyspnea and a history of diabetes mellitus. The owner declined insulin treatment for diabetes. Treated with glypizide 2.5 mg BID. Cat did well for 1.5 years, but later it suddenly became anorexic. Ultrasound examination of the thoracic cavity revealed a mass in the pericardial sac, compressing the heart. Owner elected euthanasia.

Please provide: 1. Description (gross and histopathologic); 2. Morphologic diagnosis.

(More Diagnostic Exercises may be found on the Foundation’s website at:
http://www.cldavis.org/diagnostic_exercises.html)
Birds Do It...Bees Do It.... A Primer on Diagnostic Reproductive Pathology of All Creatures Great and Small
9th Annual ACVP/C.L. Davis Diagnostic Pathology Workshop
1 Dec 2012 - Seattle, WA

(Registration through the American College of Veterinary Pathologists)
Session Co-Chairs:  Sarah L. Hale, DVM
Bruce H. Williams, DVM

0800-0810 – Opening Remarks

Reproductive Pathology of Domestic Mammals - Some Things Old, Some Things New!
Robert Foster, BVSc, PhD
Professor, OVC Pathobiology, University of Guelph, Guelph, Ontario, Canada

0810-0830 – General Introduction
0830-0900 – Reproductive Pathology - What’s New, Part 1
0910-1000 – Reproductive Pathology - What’s New, Part 2
10:00-10:30 – Morning Break
10:30-11:00 – Reproductive Pathology – What’s New, Part 3

Wild Sex: Reproductive Pathology in Zoo and Conservation Medicine
Dalen W. Agnew, DVM, PhD
Assistant Professor, Diagnostic Center for Population and Animal Health, Department of Pathobiology and Diagnostic Investigation, Michigan State University, Lansing, MI

11:00-12:15 - Pre-Lunch Wild Sex
12:15-1315 - Lunch
1315-1400 - Post-Lunch Wild Sex

Reproductive Pathology of Laboratory Species Used in Toxicologic Pathology
Dianne Creasy, PhD, DipRCPath, FRCPath
Senior Scientific Advisor, Huntingdon Life Sciences, East Millstone, NJ

1400-1430 – Repro Path of Lab Species – Part 1
1430-1500 – Afternoon Break
1500-1630 – Repro Path of Lab Species-Part2
1630-1700 – Panel discussion and Questions
Answer to this month’s Diagnostic Exercise:

**Gross Description:** Approximately 5% of the liver (mainly the left cranial lobe) and a segment of the omentum with fat are herniated into the pericardial sac, compressing the heart. The portion of liver within the pericardial sac measures 5 X 4 X 3.5 cm, and is mottled yellow and red with rounded borders. The rest of the liver, located in the abdominal cavity, is markedly enlarged and friable with intermingled red and yellow areas.

**Histologic description:** Focally in the liver, there are fairly well demarcated, non-encapsulated masses, composed of large numbers of adipocytes admixed with erythroid and myeloid elements (hematopoietic elements), including numerous megakaryocytes. Also in these areas, a few bone spicules are present. At the periphery, the hepatic cords interdigitate with the mass. Hepatocytes adjacent to these foci are atrophic. Elsewhere, hepatocytes have one to multiple lipid type vacuoles in the cytoplasm. The hepatic sinusoids are focally distended with blood and proteinaceous fluid.

**Morphologic Diagnosis:** Myelolipoma, in a peritoneo-pericardial diaphragmatic herniated liver lobe.

**Comments:** Myelolipomas are uncommon benign neoplasms composed of a mixture of well differentiated adipose and hematopoietic tissue, resembling bone marrow. They usually occur in the adrenal gland, spleen or liver of humans, non-human primates, felidae, cattle and other species. Currently, some groups consider myelolipoma to be a true neoplastic process while others favor metaplasia. In humans, adrenal myelolipomas are usually associated with endocrine disorders, such as Conn’s syndrome, 21-hydroxylase deficiency, hormonally active adrenal neoplasms and adrenocortical hyperplasia. In rats, experimental metaplastic transformation of adrenocortical epithelial cells into hematopoietic tissue has been achieved by the application of methyltestosterone and an anterior pituitary extract. Further studies of myelolipomas originating from the adrenal gland in humans demonstrate the adipocytes and myeloid cells have the same clonal cytogenetic abnormality and non-random chromosome X inactivation, suggesting a clonal proliferation from common pluripotent stem cells. However, there have been no such studies on the origin of hepatic myelolipomas.

Peritoneo-pericardial hernias are the most common congenital defect of the diaphragm in cats. These defects are usually an incidental finding, but can cause gastrointestinal or respiratory signs. Previous reports have suggested stimulation of undifferentiated hepatic reticular cells by chronic hypoxia as the reason for the adipose and bone marrow elements in myelolipomas in the liver. Such status would be a product of entrapment of affected liver within the pericardial sac.

Myelolipomas has rarely been reported in dogs and other species, whereas the number of cases in cats would suggest a general predisposition. Differential diagnoses include ectopic bone/bone marrow and extramedullary hematopoiesis. The latter would be constituted of a diffuse infiltrate in contrast to an expansile process. The presence of significant quantities of ossified bone in ectopic bone, compared with rare bone spicules and the presence of adipocytes in myelolipomas allow for differentiation.

**REFERENCES:**
CALENDAR OF UPCOMING EVENTS

Dec 2012:
12/1 2012 – 8th Annual ACVP/CLD Workshop on Diagnostic Reproductive Pathology, Seattle, WA
12/2-5 2012 – Annual Conference of the American College of Veterinary Pathologists, Seattle, WA

April 2013:
4/17-20 2013 – 2013 Workshop and Symposium on Lab Animal Diseases, Chicago, IL

June 2013:
6/3-8 2013 - 2013 U.S. Descriptive Veterinary Pathology Course, Auburn, AL

July 2013:
7/8-12 2013 – 2013 Gross Pathology Review Course

Sept 2013
9/3-5 2013: 2013 European Division Meeting, London UK

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:
Please Submit Articles Following Your Courses or Workshops

NEWSLETTER DEADLINES
All materials must be received no later than the 15th 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 should be submitted at least 3-4 months in advance.