

ELEVATE YOUR KNOWLEDGE.

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WASHINGTON STATE CONVENTION CENTER • SEATTLE, WASHINGTON



JUNE 12-15, 2013



**ACVIM
FORUM**

As far as you want to go.

www.ACVIMForum.org



ACVIM
FORUM
As far as you want to go.

A TASTE OF SEATTLE

OPENING NIGHT
RECEPTION

Thursday, June 13, 2013
6:00PM – 7:30PM

SHERATON SEATTLE HOTEL
GRAND BALLROOM, 2ND FLOOR



Get a taste of the Emerald City at the Opening Night Reception, sponsored by Hill's.
Indulge in the flavors of some of the best cuisine Seattle has to offer, while you enjoy local wines and beers with your colleagues.

SPONSORED BY



TABLE OF CONTENTS

ELEVATE YOUR KNOWLEDGE. 2013 ACVIM FORUM

WELCOME FROM THE PROGRAM CHAIR.....	4
2013 ACVIM FORUM SPONSORS.....	6
GENERAL INFORMATION	
Conference Information.....	8-9
Advertiser Index.....	9
Maps.....	10-11
SCHEDULE AT-A-GLANCE.....	12-13
CONTINUING EDUCATION	
Information.....	14
Veterinarian CE Log.....	15
Technician CE Log.....	15
Courses.....	16
EVENTS	
Organization Meetings.....	18
Diplomate Events.....	19
Signature Events.....	20-21
SPECIALTY SYMPOSIUM (PRE-FORUM).....	22-25
FORUM	
Interactive Sessions.....	26-28
Scientific Sessions (The “Grid”).....	30-41
Technician Events and Program.....	42-45
Speaker List.....	46-51
Research Abstracts – Oral Presentations.....	52-59
Research Abstracts – Poster Presentations.....	60-68
EXHIBIT HALL	
Exhibit Hall Happenings.....	69
Exhibit Hall Floor Plan.....	70
Exhibitor List.....	71
Product Categories.....	72-73
Exhibitor Descriptions.....	74-83
ACVIM BOARD OF REGENTS / PROGRAM COMMITTEE / STAFF.....	84
NASHVILLE 2014 FORUM.....	86

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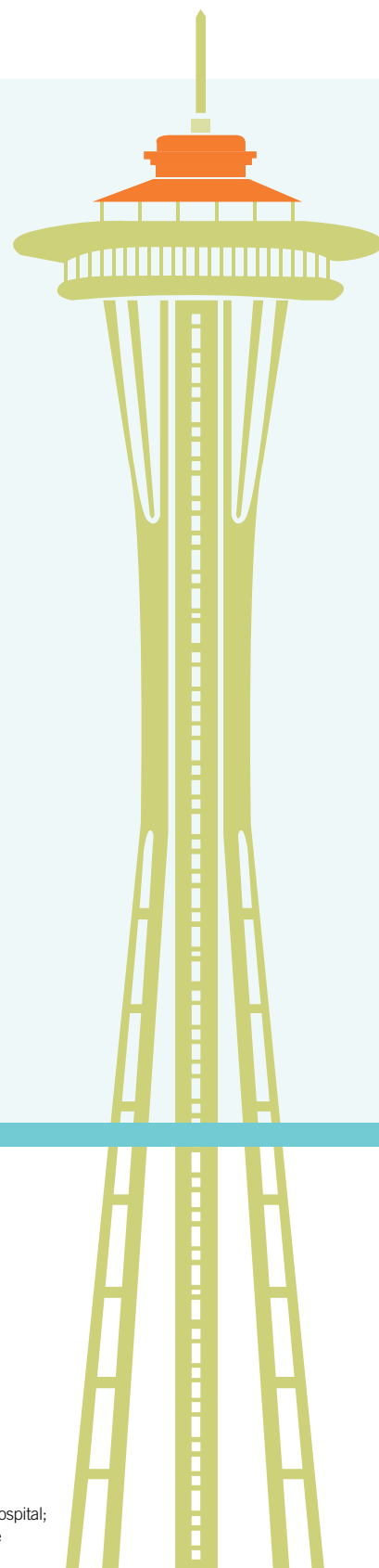
Email ACVIM@ACVIM.org

Connect:



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A MESSAGE FROM THE PROGRAM CHAIR ~ Susan L. White, DVM, MS, DACVIM (Large Animal Internal Medicine)

The ACVIM Forum is the veterinary profession's premier internal medicine continuing education event, attracting the best and the brightest in the veterinary industry. Over 3,000 veterinarians and technicians from 45+ countries – including the world's leading practitioners and educators – ensure the opportunity for a healthy exchange of information to put you at the forefront of veterinary internal medicine.

SCIENTIFIC SESSION HOT TOPICS

- **Cardiology:** Pulmonary Hypertension: Advances in Therapeutics and Outcomes; the Role of Inflammation in Cardiovascular Health and Disease
- **Equine Internal Medicine:** Transition of Fetal Consciousness and the Maladjustment Syndrome in Foals; Regulation of Glucose Transport in during Equine Hyperinsulinemia
- **Food Animal Internal Medicine:** Emerging Issues in Gastrointestinal Disorders of Neonatal Calves; Detection of E. coli O157:H7 in Meat Goats
- **Small Animal Internal Medicine:** New Developments in the use of Insulin Mixtures and Analogues for the Problem Diabetic; Feline Herpesvirus-1: Antiviral Drugs for Bench top to Clinics; Management of Canine PLE: the Criticalist and Internist Perspective
- **Oncology:** New Metabolic Targets for Cancer Therapeutics; Chemotherapy Clash: Maximum Tolerated Dose versus Metronomic Protocols
- **Neurology:** Recovery from Spinal Cord Injury, a Treadmill Based Scoring System; Advancements in the Diagnosis of Cerebrovascular Disease in Dogs and Cats
- **Technicians:** Cardiovascular Diagnostics to Differentiate Between Cardiac and Non-Cardiac Emergencies; Protecting the Team - Chemotherapy Safety in Veterinary Medicine; Understanding Testing for Equine Endocrinopathies

ADDITIONAL HIGHLIGHTS INCLUDE:

- Over 40 Interactive Sessions (including Case Discussions, Workshops, and Special Interest Groups (SIGS))
- Breakfast with the Specialists Series
- State of the Art (SOTA) Speakers, Research Abstracts, and ACVIM Forum Post-Graduate Courses
- A Keynote Presentation by an extra-ordinary veterinarian, Dr. Ford Bell
- Consensus Statement Drafts developed by ACVIM expert panels.

On behalf of the ACVIM Board of Regents, members of the ACVIM Forum Program Committee, and the ACVIM staff, thank you for helping us Elevate Your Knowledge at the 2013 ACVIM Forum.

Sincerely,

Susan White, DVM, MS, DACVIM (Large Animal Internal Medicine)

Photo Credits – Left to Right: Royal Veterinary College, University of London; NorthStar VETS, Joe Graziano; Mississippi State University, Tom Thompson; Veterinary Healthcare Associates, Mike Potthast of Potthast Studios



Discover the science of Veraflox.[®]

An innovative antibiotic combining efficacy, safety and ease-of-use.

Find out more at www.VerafloxOS.com

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian. Federal law prohibits the extra label use of this drug in food-producing animals. WARNINGS: For use in cats only. PRECAUTIONS: The safety of pradofloxacin in cats younger than 12 weeks of age has not been evaluated.

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V13964

See product label on page 14.



Oral Suspension for Cats

Designed specifically for the needs of cats.

2013 ACVIM FORUM SPONSORS

The ACVIM appreciates the generous support provided by our sponsoring companies.

PLATINUM



GOLD



Nestlé PURINA

SILVER



BRONZE



GENERAL PROGRAM



Merial welcomes you to Seattle!

FRONTLINE®
Plus

Heartgard®
(ivermectin/pyrantel) **Plus**

Previcox®
(firocoxib)

PUREVAX®

RECOMBITEK®

IMRAB®



A SANOFI COMPANY



GENERAL INFORMATION

REGISTRATION DESK HOURS

The Registration Desk is located on the 4th Floor Foyer of the Washington State Convention Center.

HOURS

Tuesday, June 11	12:00 – 7:00 pm
Wednesday, June 12	7:00 am – 7:00 pm
Thursday, June 13	7:00 am – 6:30 pm
Friday, June 14	7:00 am – 7:00 pm
Saturday, June 15	7:00 am – 6:30 pm

PROCEEDINGS

Elanco

One proceedings flash drive is complimentary with your registration fee. You can also access proceedings in the Cyber Café. Additional flash drives may be purchased at the registration desk on Friday, June 14th and Saturday, June 15th for \$49 each.

CYBER CAFÉ

Powered by **VIN**

Cyber withdrawal? Need to check in at the clinic or home? Want to print proceeding notes? If so, look for the Cyber Café on the Sky Bridge as well as the 6th floor and in the Diplomat lounge.

NAME BADGES

Elanco

Wear your name badge at all times as it is required to enter educational sessions, the Exhibit Hall and all social functions. If you misplace your badge, stop by the Registration Desk for a replacement.

GUESTS

Guests may visit the exhibits with you but must have a designated badge, which is available at the Registration Desk. No guests are allowed to attend the educational sessions.

ROOM ASSIGNMENTS

Room assignments may have changed after the time this program went to print. For current details, refer to signage outside the rooms and the mobile app.

MESSAGE AND JOB BOARDS

General notices and messages between attendees are posted on the bulletin boards in the lobby, near registration.

All job postings, broken out by region, can be found on the job boards on the 4th Floor Skybridge.

DOWNLOAD THE 2013 ACVIM FORUM APP

The mobile app offers instant access to the meeting schedule, sponsor information, floor plans, and local information about Seattle.



Scan the QR code with any QR reader and download the app to your iPhone, iPad, iTouch, Android or BlackBerry mobile device.

You can also visit www.tripbuilder.com/acvim2013 to bookmark the mobile-friendly link.

FINDING THE HIDDEN JEWELS — WIN AN IPAD MINI!



Visit at least 15 booths in the Exhibit Hall to discover all the great products and services offered by our exhibitors and sponsors, and you'll be entered in a drawing to win an iPad Mini! Ask any exhibitor to stamp the brochure you received in your registration packet. Drop the completed brochure off in the raffle drum located in the Exhibit Hall. Drawings will happen on Saturday at 1:30 pm.

SPEAKER READY ROOM

Abbott
Animal Health

Speakers may use **room 603** in the Washington State Convention Center to review and upload presentations. Please notify ACVIM staff at least 24 hours in advance if you have special needs for equipment not already provided.

HOURS

Tuesday, June 11	12:00 – 7:00 pm
Wednesday, June 12	7:00 am – 6:00 pm
Thursday, June 13	7:00 am – 7:00 pm
Friday, June 14	7:00 am – 7:00 pm
Saturday, June 15	7:00 am – 5:00 pm

ACVIM FOUNDATION BOOTH & SILENT AUCTION

This year, the ACVIM Foundation Silent Auction is located on the 4th Floor Skybridge in front of the entrance to the Exhibit Hall. Don't miss this opportunity to bid on great items at low prices while supporting your Foundation! The Auction begins on Thursday morning, June 13 and ends on Friday evening, June 14. The ACVIM Foundation booth is also located on the Skybridge.

LOST AND FOUND

The most commonly misplaced items are registration bags and cell phones, so please put your name and cell phone number in your bag for identification. Lost and Found is located at the Registration Desk.

COMPLIMENTARY SUBSCRIPTION TO *JVIM*

Veterinarians registered for the ACVIM Forum will receive a complimentary one-year print and online subscription to the *Journal of Veterinary Internal Medicine (JVIM)* as part of their registration package.*

The one-year subscription will begin with the July / August 2013 issue and includes online access, which will be available on July 1 via email.

*Offer does not apply to one-day registrations, technicians, students, nor to ACVIM Diplomates who already receive a subscription as part of their membership benefits.

LUNCH TICKETS

We'll treat you to lunch in the Exhibit Hall on Thursday, Friday or Saturday. You'll find a complimentary lunch ticket in your registration packet.

LOCAL TRANSPORTATION

TAXIS

Taxi service is readily available at Sea-Tac Airport on the third floor of the parking garage, at the Colman Dock ferry terminal, at cruise ship terminals, and at all major downtown Seattle hotels and fairways.

SOUND TRANSIT LINK LIGHT RAIL

Fee: \$2.50 USD each way

Travel Time: 35 minutes

About: Guests can ride Sound Transit's Link Light Rail from downtown to the airport.

SEATTLE HIGHLIGHTS

Many of the top sights in downtown Seattle are within walking distance. You can visit historic Pioneer Square, and then walk down the stairway past restaurants and shops to the Seattle Waterfront. Walk back through Waterfront Park while enjoying views of Puget Sound and the Olympic Mountains. The downtown business and shopping district has a monorail to Seattle Center, site of the 1962 World's Fair. The famous Pike Place Market is also located downtown.

Ferries, buses, and trains provide transportation to sites such as Blake Island, the zoo, sport stadiums, or the Cascade Mountains.

THINGS TO DO IN SEATTLE

There are endless things to do and see while in Seattle. **Visit Seattle** offers many suggestions and is a great resource. Stop by their kiosk located in the first floor lobby of the convention center.

ADVERTISER INDEX

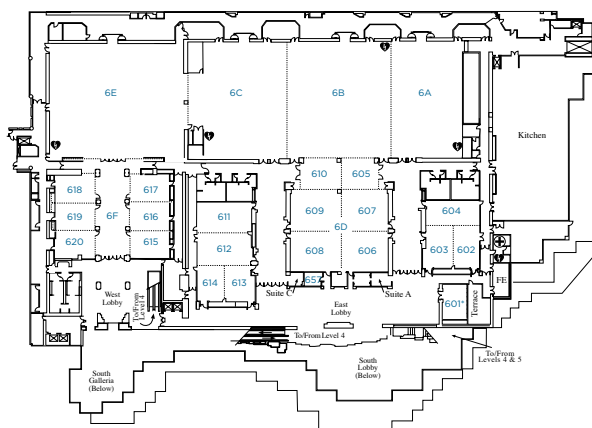
Abbott Animal Health.....	28, 29
Animal Imaging Partners.....	59
Bayer HealthCare, LLC.....	5, 14
Hill's Pet Nutrition, Inc.....	2, Back Cover
Hyperbaric Veterinary Medicine	35
Merial	7

My Veterinary Clinic.....	43
Nestle Purina.....	87
Today's Veterinary Practice.....	85
Zoetis.....	17

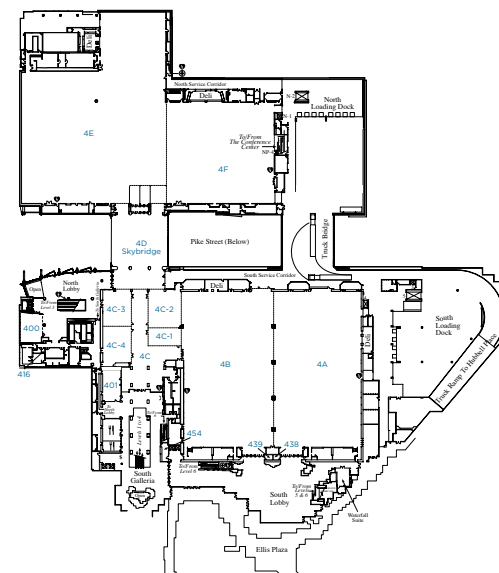
CONVENTION CENTER MAPS



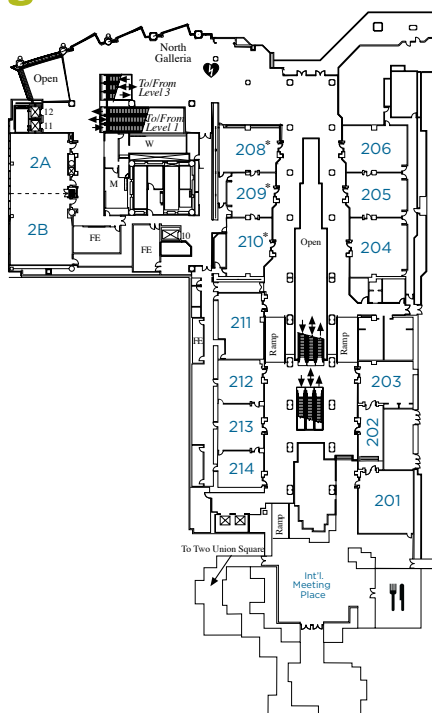
LEVEL SIX: Ballrooms & Meeting Rooms



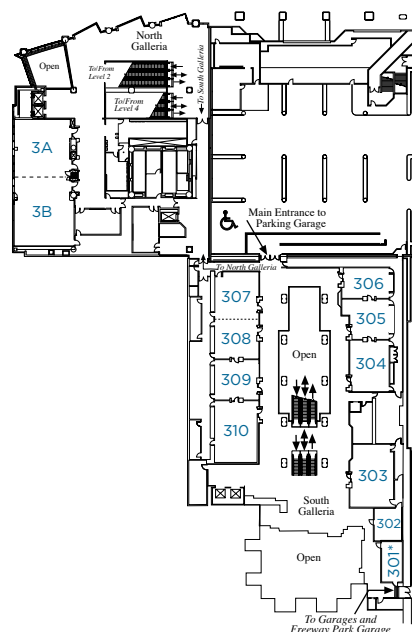
LEVEL FOUR: Exhibition Hall



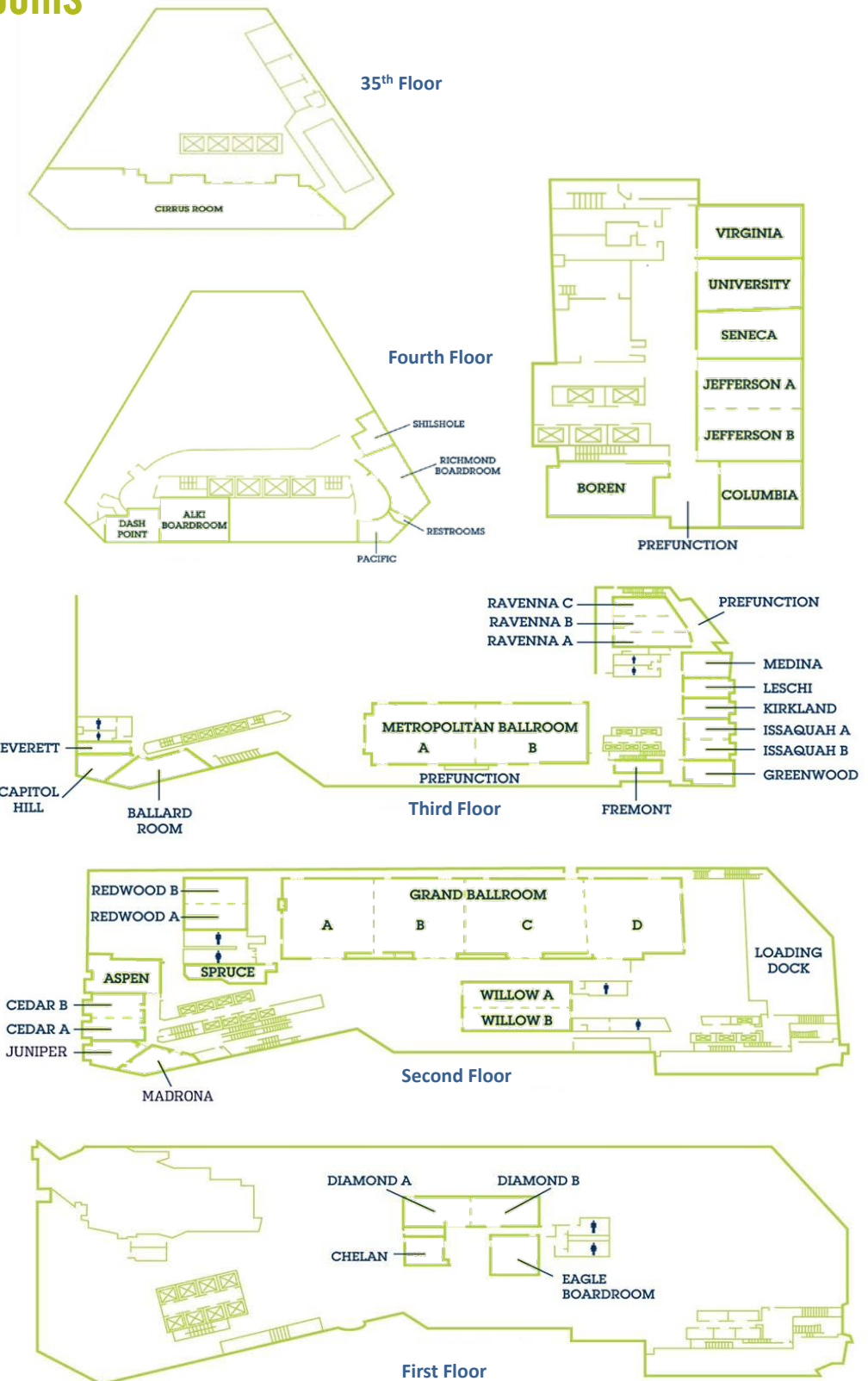
LEVEL TWO: Meeting Rooms



LEVEL THREE: Meeting Rooms



SHERATON SEATTLE: Hotel Meeting Rooms








SCHEDULE-AT-A-GLANCE

* WSCC = Washington State Convention Center

TUESDAY

JUNE 11

8:00 am – 12:00 pm
9:00 – 11:00 am
12:00 – 7:00 pm
12:00 – 7:00 pm
12:00 – 7:00 pm
1:00 – 5:00 pm
1:30 – 5:00 pm
3:00 – 5:00 pm
5:00 – 7:00 pm

ACVIM Foundation Board of Directors Meeting: WSCC – Room 208
ACVIM Specialty President's Meeting
Registration: WSCC – 4th Floor Foyer
Speaker Ready Room 
Cyber Café 
JVIM Editorial Board Meeting: Sheraton – Kirkland
ACVIM Board of Directors Meeting
Forum Program Committee Meeting Part I (Specialty programs only): WSCC – Room 304
ACVIM Candidate / Diplomate Reception:
Sheraton – Metropolitan Ballroom  
Sponsor Appreciation Reception: Sheraton – Cirrus 
SAIM Residency Training Committee Meeting: Sheraton – Medina
LAIM Residency Training Committee Meeting: Sheraton – Kirkland
Marketing & Communications Committee Meeting: Sheraton – Madronna

WEDNESDAY

JUNE 12

6:30 – 7:50 am
7:00 am – 6:00 pm
7:00 am – 7:00 pm
7:00 – 7:30 am
8:00 am – 5:30 pm
8:30 am – 5:00 pm
12:00 – 5:00 pm
12:00 – 7:00 pm
1:00 – 2:00 pm
1:30 – 5:30 pm
5:30 – 7:00 pm
7:15 – 11:00 pm
7:15 – 11:00 pm

Advanced Continuing Education (ACE) Committee Meeting: WSCC – Room 209
Speaker Ready Room: WSCC – Room 603 
Registration: WSCC – 4th Floor Foyer
Moderator Training: WSCC – Room 307
Specialty Symposium, Luncheons and Business Meetings: WSCC    
ACVIM Foundation Booth: WSCC – Skybridge
Press Room: WSCC – Room 310
Research Abstract Posters Set Up: WSCC – 4th Floor
Friends of Dr. Bob and Bill W. Meeting: Sheraton – Everett
Technician Case Reports Presentation: WSCC – 4C-4 
Specialty Symposium Reception: WSCC – Room 6A 
Oncology Specialty Dinner and Diplomate Certificate Ceremony: Four Seasons Hotel 
LAIM Specialty Dinner 


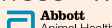















THURSDAY

JUNE 13

6:30 – 8:30 am
6:30 – 8:30 am
6:30 – 8:30 am

7:00 am – 8:30 am
7:00 am – 7:00 pm
7:00 am – 7:00 pm
7:00 am – 6:30 pm
7:00 am – 10:00 pm
7:00 – 8:30 am
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9:30 am – 5:00 pm
9:30 am – 5:00 pm
9:30 am – 5:00 pm
9:50 – 10:30 am

9:50 – 11:00 am
12:30 – 2:00 pm
12:30 – 2:00 pm
1:00 – 2:00 pm
4:30 – 5:30 pm
6:00 – 7:30 pm
7:15 – 10:00 pm

Education and Research Committee (ERC) Meeting: WSCC – Room 306
Breakfast with the Specialists: WSCC 
LAIM Credentials Committee Meeting: Sheraton – Isaquah B
SAIM Credentials Committee Meeting: Sheraton – Isaquah A
International Relations Committee Meeting: WSCC – Room WSCV 209
Speaker Ready Room: WSCC – Room 603 
Research Abstract Posters on Display: WSCC – Hall 4F 
Registration: WSCC – 4th Floor Foyer
Cyber Café: Skybridge (WSCC) 
International Attendee Welcome Breakfast: WSCC – Rooms 4C1-4C2 
Cheers and Peers Meet and Greet: Diplomate Lounge
Moderator Training: WSCC – Room 307
Press Room: WSCC – Room 310
Educational Sessions: WSCC
Foundation Silent Auction: WSCC – Skybridge
ACVIM Foundation Booth: WSCC – Skybridge
Diplomate Lounge: WSCC – 4th Floor
Exhibit Hall: WSCC – 4E
ACVIM Booth: WSCC – Skybridge
Technician Lounge: WSCC – Room 401 
Research Abstract Posters Attended by Authors Eligible for
ACVIM Resident Research Award 
Animal Survivor Media Event: WSCC – Room 310   
Membership Luncheon and Awards Ceremony: WSCC – Room 6C  
Technician Luncheon: WSCC – Rooms 4C-1, 4C-2 
Friends of Dr. Bob and Bill W. Meeting: Sheraton – Everett
ACVIMF Development Committee Meeting: WSCC – 4th Floor
Opening Night Reception: Sheraton – Grand Ballroom  
Cardiology Specialty Reception and Dinner: Seattle Aquarium  

SCHEDULE-AT-A-GLANCE



FRIDAY

JUNE 14

6:00 am – 9:30 pm	Educational Sessions: WSCC
7:00 am – 7:00 pm	Registration: WSCC – 4th Floor Foyer
7:00 am – 7:00 pm	Speaker Ready Room: WSCC – Room 603 
7:00 am – 7:00 pm	Research Abstract Posters on Display: WSCC – Hall 4F 
7:00 am – 9:30 pm	Cyber Café: WSCC – Skybridge 
8:30 am – 5:00 pm	ACVIM Foundation Booth: WSCC – Skybridge
8:30 am – 6:00 pm	Diplomate Lounge: WSCC – 4th Floor
8:30 am – 6:30 pm	Foundation Silent Auction: WSCC – Skybridge 
9:30 am – 5:00 pm	Exhibit Hall: WSCC – 4E
9:30 am – 5:00 pm	ACVIM Booth: WSCC – Skybridge
9:30 am – 5:00 pm	Technician Lounge: WSCC – Room 401 
9:50 – 10:30 am	Research Abstract Posters Attended by Authors Eligible for ACVIM Resident Research Award
10:30 – 11:20 am	Keynote Session with Dr. Ford Bell: WSCC – Room 6B 
11:30 am – 12:20 pm	LAIM Consensus Statement Draft: WSCC – Room 6C
	SAIM Consensus Statement Draft: WSCC – Room 6B
11:30 am – 1:00 pm	Specialists in Private Practice Luncheon and Program: WSCC – Room 6A 
8:00 am – 5:00 pm	Press Room: WSCC – Room 310
12:30 – 2:00 pm	Equine Emerging Issues Luncheon: WSCC – Room 203 
12:30 – 2:30 pm	Forum Program Committee Part II (Allied/Affiliate/Technician Programs only): WSCC – Room 302
12:30 – 2:00 pm	Student Luncheon: WSCC – Room 303 
12:30 – 2:00 pm	Technician Luncheon: WSCC – 4C-1, 4C-2 
1:00 – 2:00 pm	Friends of Dr. Bob and Bill W. Meeting: Sheraton – Everett
6:00 – 7:30 pm	Wine and Cheese Reception – Poster Session 
6:00 – 8:00 pm	Technician Reception 
7:00 – 11:00 pm	Neurology Specialty Dinner 

SATURDAY

JUNE 15

6:00 – 7:30 am	LAIM Marketing Committee Meeting: WSCC – Room 208
6:30 – 7:50 am	Leadership Breakfast: WSCC – Rooms 4C-1 – 4C-2
7:00 am – 6:00 pm	Speaker Ready Room: WSCC – Room 603 
7:00 am – 6:00 pm	Registration: WSCC – 4th Floor Foyer
7:00 am – 2:30 pm	Research Abstract Posters on Display: WSCC – Hall 4F 
8:00 am – 12:00 pm	Press Room: WSCC – Room 310
8:00 am – 6:15 pm	Educational Sessions: WSCC
8:30 am – 2:30 pm	Diplomate Lounge: WSCC – 4th Floor
8:30 am – 2:30 pm	ACVIM Foundation Booth
9:30 am – 2:30 pm	Technician Lounge: WSCC – Room 401 
9:30 am – 2:30 pm	Exhibit Hall: WSCC – 4E
9:30 am – 2:30 pm	ACVIM Booth: WSCC – Skybridge
12:30 – 2:00 pm	LAIM Specialty Executive Committee Meeting / Luncheon: WSCC – Room 208
1:00 – 2:00 pm	Friends of Dr. Bob and Bill W. Meeting: Sheraton – Everett
2:00 – 5:00 pm	Board of Regents Meeting: Sheraton – Willow A
2:30 – 3:30 pm	Research Abstract Posters Removal
6:00 – 8:00 pm	Speaker / Moderator Reception: Sheraton – Cirrus 

CONTINUING EDUCATION INFORMATION

VETERINARIANS

Earn up to 39 Continuing Education (CE) hours in just four days! Every hour of education (or each 50-minute scientific session) counts as 1 CE credit.

Wednesday: ACVIM Specialty Symposium (Pre-Forum)

Educational Sessions = up to 8 CE credits (depending on Specialty)

Note: ACVIM Diplomates, Candidates, and Invited Guests only.

Wednesday: AAVN (Nutrition) Research Abstract Symposium / ACVIM Workshops = up to 7 CE credits

Thursday – Saturday daytime:

Scientific Sessions / Research Abstracts = 23 CE credits

Thursday – Saturday mornings and evenings:

Commercial Presentations, Workshops, Case Discussions, and Educational Special Interest Groups (SIGs) = up to 9 CE credits

TECHNICIANS

Earn up to 31 hours of high caliber continuing education.

TEXAS-LICENSED VETERINARIANS

If you are pre-registered and are licensed to practice in Texas, you should sign in at the Registration Desk when you pick up your registration packet. (Sign-in is not required for those registering onsite.) You will receive a Program which lists the individual sessions offered with the dates and times of the sessions. Place a check mark next to each session you attend. You will need to keep this record for your files. **At the end of the ACVIM Forum**, you must return to the Registration Desk and obtain a certificate of completion. You will sign and date the certificate and place it in your files. If you do not plan to stay for the entire meeting, you can pick up your certificate at the Registration Desk as you are leaving.



NEW YORK-BASED VETERINARIANS AND TECHNICIANS



The 2013 ACVIM Forum has received the Certificate of Approval as a Sponsor of Continuing Education for Veterinarians and Veterinary Technicians from the State Board for Veterinary Medicine.



Oral Suspension for Cats
Veraflox (pradofloxacin) Oral Suspension for Cats
25 mg/mL

For the treatment of skin infections (wounds and abscesses) in cats. Do not use in dogs.

BRIEF SUMMARY:

Before using Veraflox Oral Suspension for Cats, please consult the product insert, a summary of which follows:

CAUTION:

Federal law restricts this drug to use by or on the order of a licensed veterinarian. Federal law prohibits the extra-label use of this drug in food-producing animals.

PRODUCT DESCRIPTION:

Pradofloxacin is a fluoroquinolone antibiotic and belongs to the

class of quinolone carboxylic acid derivatives. Each mL of Veraflox Oral Suspension provides 25 mg of pradofloxacin.

INDICATIONS:

Veraflox is indicated for the treatment of skin infections (wound and abscesses) in cats caused by susceptible strains of *Pasteurella multocida*, *Streptococcus canis*, *Staphylococcus aureus*, *Staphylococcus felis*, and *Staphylococcus pseudintermedius*.

CONTRAINDICATIONS:

DO NOT USE IN DOGS. Pradofloxacin has been shown to cause bone marrow suppression in dogs. Dogs may be particularly sensitive to this effect, potentially resulting in severe thrombocytopenia and neutropenia. Quinolone-class drugs have been shown to cause arthropathy in immature animals of most species tested, the dog being particularly sensitive to this side effect. Pradofloxacin is contraindicated in cats with a known hypersensitivity to quinolones.

HUMAN WARNINGS:

Not for human use. Keep out of reach of children. Individuals with a history of quinolone hypersensitivity should avoid this product. Avoid contact with eyes and skin. In case of ocular contact, immediately flush eyes with copious amounts of water. In case of dermal contact, wash skin with soap and water for at least 20 seconds. Consult a physician if irritation persists following ocular or dermal exposure or in case of accidental ingestion. In humans, there

is a risk of photosensitization within a few hours after exposure to quinolones. If excessive accidental exposure occurs, avoid direct sunlight. Do not eat, drink or smoke while handling this product. For customer service or to obtain product information, including a Material Safety Data Sheet, call 1-800-633-3796. For medical emergencies or to report adverse reactions, call 1-800-422-9874.

ANIMAL WARNINGS:

For use in cats only. The administration of pradofloxacin for longer than 7 days induced reversible leukocyte, neutrophil, and lymphocyte decreases in healthy, 12-week-old kittens.

PRECAUTIONS:

The use of fluoroquinolones in cats has been associated with the development of retinopathy and/or blindness. Such products should be used with caution in cats. Quinolones have been shown to produce erosions of cartilage of weight-bearing joints and other signs of arthropathy in immature animals of various species. The safety of pradofloxacin in cats younger than 12 weeks of age has not been evaluated. The safety of pradofloxacin in immunocompromised cats (i.e., cats infected with feline leukemia virus and/or feline immunodeficiency virus) has not been evaluated. Quinolones should be used with caution in animals with known or suspected central nervous system (CNS) disorders. In such animals, quinolones have, in rare instances, been associated with CNS stimulation that may lead to convulsive seizures. The safety of

pradofloxacin in cats that are used for breeding or that are pregnant and/or lactating has not been evaluated.

ADVERSE REACTIONS:

In a multi-site field study, the most common adverse reactions seen in cats treated with Veraflox were diarrhea/loose stools, leukocytosis with neutrophilia, elevated CPK levels, and sneezing.

ANIMAL SAFETY:

In a target animal safety study in 32, 12-week-old kittens dosed at 0, 1, 3, and 5 times the recommended dose for 21 consecutive days. One 3X cat and three 5X cats had absolute neutrophil counts below the reference range. The most frequent abnormal clinical finding was soft feces. While this was seen in both treatment and control groups, it was observed more frequently in the 3X and 5X kittens.

U.S. Patent No. 6,323,213

May, 2012
84364593/84364607, R.O.
NADA141-344. Approved by FDA
Made in Germany
Bayer, the Bayer Cross and Veraflox are registered trademarks of Bayer.
17928
GHG043013

Bayer

Bayer HealthCare LLC
Animal Health Division
Shawnee Mission, Kansas 66201, U.S.A.

2013 ACVIM Forum • Seattle, Washington • June 12 - June 15, 2013

VETERINARIANS:

Robert W. Vermon

Each hour (or 50 minutes) of education is worth one CE credit.

[illegible]

Address:

CONTINUING EDUCATION INFORMATION


ACVIM ADVANCED CONTINUING EDUCATION (ACE) COURSES

These cutting-edge, high-level courses are designed by ACVIM Diplomates and are offered exclusively to ACVIM and ECVIM Diplomates and Candidates.

- All courses have received approval from the AAVSB for RACE-approved CE credits.
- They are held at the Oquendo Center for Clinical Education in Las Vegas, Nevada.
- For information and to register, please visit www.ACVIM.org and click on the Education Tab.

VETERINARY INTERVENTIONAL RADIOLOGY SUMMIT

August 17, 2013 and November 2, 2013 (8-hour, 1 day CE)

Presented by ACVIM and Sponsored by  **INFINITI MEDICAL**
Advanced Technology for Vets and Pets

To register, contact Infiniti Medical, LLC at **650.327.5000** or e-mail your request to training@infinitimedical.com.

ACVIM SMALL ANIMAL INTERNAL MEDICINE COURSE: NEPHROLOGY: SOMETHING OLD, SOMETHING NEW

September 6-8, 2013 (20-hour, 2.5 day CE)

ADVANCED TECHNIQUES IN NEUROSURGERY OFFERED BY ACVIM NEUROLOGY

September 6-8, 2013 (20-hour, 2.5 day CE)

Sponsored by:  **SYNTHES Vet**  **CMF**  **MEDICON Surgical**  **RESEARCH INC.**  **INTEGRA**

ACVIM LARGE ANIMAL INTERNAL MEDICINE COURSE: ADVANCES AND CONTROVERSIES IN EQUINE NEONATOLOGY

January 17-19, 2014 (18-hour, 2.5 day CE)

Thank You ACE Sponsors:



ACVIM ADVANCED CONTINUING EDUCATION (ACE) COMMITTEE

The ACE Committee plans and offers high-level continuing education to ACVIM Diplomates and Candidates. We wish to sincerely thank the committee and congratulate committee members for many successful contributions since 2010.

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Susan L. White
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Nicole Faaborg
ACVIM Director, Certification & Education

Kathy Klaus
ACVIM Education Specialist

* Term begins June 2013

** Term expires June 2013

- List Current as of May 1, 2013 -

MOVING AT THE SPEED OF SCIENCE



VISIT US AND DISCOVER INNOVATIVE SOLUTIONS IN DERMATOLOGY

AMERICAN COLLEGE OF VETERINARY INTERNAL MEDICINE—FORUM 2013

Get the most out of your experience at the ACVIM Forum. Join us at **Booth 709** and discover new innovations in dermatology. At our ACVIM booth, you can:

- **Learn** about recent breakthroughs in the pathophysiology of canine allergic disease
- **Watch** a video that explains the immunologic mechanism of allergic dermatitis and the role that cytokines and Janus kinase (JAK) play in perpetuating the cycle of itch and inflammation
- **Take** an interactive quiz to help you learn more about canine allergic disease
- **Hear** about the proven and broad Zoetis portfolio of dermatology solutions

You can also attend a cutting-edge symposium, led by Douglas DeBoer, DVM, DACVD, entitled **“The Itchy Dog: Diagnosing the Problem and Stopping the Cycle”** on **Thursday, June 13th from 6:30 AM to 8:30 AM**. There, you’ll learn valuable information about the role cytokines play in perpetuating the cycle of itch and inflammation and how this discovery could change the way we treat the itchy dog.

With our versatile dermatology portfolio, Zoetis is at the forefront of innovative solutions in the treatment of skin disease. We look forward to seeing you there with us.

BOOTH 709 | WASHINGTON STATE CONVENTION CENTER

FOR ANIMALS. FOR HEALTH. FOR YOU.

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zoetis[™]

ORGANIZATION MEETINGS

MONDAY

JUNE 10

8:00 am – 5:00 pm
American College of Veterinary Nutrition
(ACVN) Certification Exam
Sheraton – Medina

TUESDAY

JUNE 11

8:00 am – 12:00 pm
American College of Veterinary Nutrition
(ACVN) Certification Exam
Sheraton – Medina

8:00 am – 12:30 pm
Academy of Internal Medicine for Veterinary
Technicians (AIMVT) / Academy of Veterinary
Nutrition Technicians (AVNT) Specialty Exam
WSCC – Room 305

8:00 am – 2:00 pm
Novartis Animal Health PSV Meeting
Sheraton – Cirrus

1:00 – 5:00 pm
Royal Canin Meeting
Sheraton – Issaquah A

1:00 – 6:00 pm
Academy of Internal Medicine for Veterinary
Technicians (AIMVT) / Academy of Veterinary
Nutrition Technicians (AVNT) Executive
Board Meeting
WSCC – Room 305

1:00 – 6:30 pm
Veterinary Cancer Society (VCS) Executive
Committee Meeting
Sheraton – Madrona

3:00 – 9:00 pm
American College of Veterinary Nutrition
(ACVN) Annual Meeting
Sheraton – Ravenna

WEDNESDAY

JUNE 12

7:30 am – 6:30 pm
American Academy of Veterinary Nutrition (AAVN)
Clinical Nutrition & Research Abstract Symposium
Sheraton – Grand Ballroom D

8:00 am – 5:00 pm
Novartis Animal Health PSV Meeting
Sheraton – Ravenna A-B

3:30 – 5:00 pm
Nestle Purina Pre-Conference Meeting
Sheraton – Kirkland

6:30 – 10:00 pm
Academy of Internal Medicine for Veterinary
Technicians (AIMVT) / Academy of Veterinary
Nutrition Technicians (AVNT) General
Membership Meeting
WSCC – Room 305

7:00 – 9:00 pm
University of Minnesota, CVM Alumni Reception
Sheraton – Cedar

THURSDAY

JUNE 13

8:30 – 11:30 am
Zoetis Specialist Outreach and Awareness
Project (SOAP)
Sheraton – Kirkland

9:00 am – 5:30 pm
Sound-Eklin Focus Group
WSCC – Room 202

12:00 – 2:00 pm
Tufts Alumni Luncheon
WSCC – Rooms 307-308

5:00 – 7:00 pm
Boehringer Ingelheim Epic Investigators
Reception
WSCC – Room 203


FRIDAY

JUNE 14

6:20 – 7:50 am
Society of Comparative Endocrinology (SCE)
Breakfast
WSCC – Room 304

Sponsored by: 

6:30 – 7:50 am
Society of Veterinary Nephrology / Urology
(SVN / U) Breakfast Meeting
WSCC – Rooms 4C-1 – 4C-2

Sponsored by: 

9:00 am – 5:30 pm
Sound-Eklin Focus Group
WSCC – Room 202

11:30 am – 1:30 pm
Comparative Oncology Trials Consortium
(COTC) Annual Meeting
WSCC – Room 208

12:30 – 2:00 pm
Comparative Gastroenterology Society (CGS)
Membership Luncheon
WSCC – Rooms 3A & 3B

Sponsored by:  Nestlé PURINA

12:30 – 2:00 pm
International Society for Companion Animal
Infectious Diseases (ISCAID) Luncheon
Sheraton – Ravenna
Sponsored by: 

6:00 – 8:00 pm
BluePearl Veterinary Partners Reception
WSCC – Room 303

SATURDAY

JUNE 15

6:30 – 7:30 am
VIN Community Breakfast 
Sheraton – Ravenna

7:00 – 7:50 am
Christian Veterinary Mission Fellowship
Breakfast
WSCC – Rooms 307-308

9:00 am – 5:30 pm
Sound-Eklin Focus Group
WSCC – Room 202

* WSCC = Washington State Convention Center

DIPLOMATE EVENTS

TUESDAY

JUNE 11

5:00 – 7:00 pm

Candidate / Diplomat Reception

Sponsored by:



WEDNESDAY

JUNE 12

8:00 am – 5:00 pm

Specialty Symposia, Luncheon and Diplomat Certificate Ceremonies

Sponsored by:



THURSDAY

JUNE 13

7:30 – 8:30 am

Cheers and Peers Meet and Greet

Diplomat Lounge, WSCC – 4th Floor

9:00 AM – 12:00 PM

2013 Exam Review

ACVIM Diplomates are invited to review the 2013 exams. Feedback and comments provided by Diplomates that participate may be used by the Exam Committee for future exams.

THURSDAY

JUNE 13

12:30 – 2:00 pm

Membership Luncheon and Awards Ceremony

WSCC – 6C

Sponsored by:



FRIDAY

JUNE 14

11:30 – 1:00 pm

Specialists in Private Practice Luncheon and Program

WSCC – Room 6A

Sponsored by:



SATURDAY

JUNE 15

6:30 – 7:50 am

Leadership Breakfast

WSCC – Rooms 4C-1 – 4C-2

* WSCC = Washington State Convention Center

ACVIM DIPLOMATE LOUNGE

LOUNGE HOURS

WSCC – 4th Floor

Thursday, June 13

8:30 am – 6:00 pm

Friday, June 14

8:30 am – 6:00 pm

Saturday, June 15

8:30 am – 2:30 pm

- Cheers and Peers Meet and Greet Thursday, June 13 7:30 – 8:30 am
- Keep current with what's going on at ACVIM
- Access the Cyber Café
- Reconnect with fellow Diplomates



SIGNATURE EVENTS

Inspiring Events for Connecting and Learning

TUESDAY

JUNE 11

5:00 – 7:00 pm

Candidate / Diplomate Reception

Sheraton – Metropolitan Ballroom

Spend time catching up with colleagues and meeting new friends while helping Candidates celebrate the end of exams!

Sponsored by:



WEDNESDAY

JUNE 12

5:30 – 7:00 pm

Specialty Symposium Reception

WSCC – Room 6A

Following a day filled with premium education, unwind with new friends and old.

Sponsored by:



THURSDAY

JUNE 13

9:50 – 11:00 am

Animal Survivor Event

WSCC – Room 310

This event highlights the amazing stories of several dogs and a horse who overcame their illnesses through the dedication of their owners, veterinarians and specialists. The media event, which features beautiful videos telling the story of each animal, is open to all attendees. You may even meet some of the animals in person!

Sponsored by:



12:30 – 2:00 pm

Membership Luncheon and Awards Ceremony

WSCC – Room 6C

ACVIM Diplomates are invited to celebrate this year's award winners for the Robert W. Kirk Award for Professional Excellence and the ACVIM Distinguished Service Award, who will be announced during the awards ceremony. Connect with fellow Diplomates, get an update on ACVIM news and developments, and find out what is planned for an exciting future.

Sponsored by:



ACVIM
As far as you want to go.



6:00 – 7:30 pm

Opening Night Reception

Sheraton – Grand Ballroom

Kick off your conference experience by enjoying good food and drinks, and networking with your colleagues.

Sponsored by:



ACVIM
As far as you want to go.

A 1 year old Rocky Mountain horse who overcame Lawsonia intracellularis.



* WSCC = Washington State Convention Center

SIGNATURE EVENTS

Inspiring Events for Connecting and Learning

FRIDAY

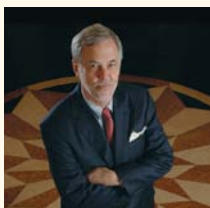
JUNE 14

10:30 – 11:20 am

Keynote Address

From Prostate Cancer to Museums:
A Veterinary Journey

WSCC – Room 6B

Extra-Ordinary Veterinarian:
Dr. Ford Bell

Ford W. Bell has more than 30 years of experience as a nonprofit executive, board chair, donor, trustee, educator and scientist. He has a unique background that spans veterinary oncology, nonprofit leadership and advocacy for a variety of causes. He received his DVM from the University of Minnesota in 1982, and he formerly served as a Clinical Assistant Professor of Oncology at the University of Minnesota's College of Veterinary Medicine. He is currently president of the American Association of Museums, which is the largest museum organization in the world. Don't miss this fascinating keynote address.

Sponsored by:



11:30 am – 1:00 pm

Specialists in Private Practice
Luncheon and ProgramA Dialogue for Marketing
the Future

WSCC – Room 6A

Participate in an open dialogue with the ACVIM concerning future marketing plans for Specialists in Private Practice.

Sponsored by:



11:30 am – 12:20 pm

Consensus Statement Drafts

Consensus Statements of the ACVIM provide the veterinary community with up-to-date information on the pathophysiology, diagnosis, and treatment of clinically important animal disease. The statements are derived from evidence-based medicine whenever possible and the panel offers interpretive comments when such evidence is inadequate or contradictory. The final version will be published in the *Journal of Veterinary Internal Medicine (JVIM)*.

WSCC – Room 6B

Safe Use of Chemotherapy
in Veterinary Practice

CHAIR:

Annette Smith, DVM, MS, DACVIM (SAIM & Oncology)

PANEL MEMBERS:

Shawna Klahn, DVM, DACVIM (Oncology)

Peter Bennett, BVSc FACVSc DACVIM (Oncology)

Andrea Flory, DVM, DACVIM (Oncology)

Lisa Parshley, DVM, PhD, DACVIM (Oncology)

Brenda Phillips, DVM, DACVIM (Oncology)

Rosemary Calderon, LVT, BS,

VTS (Oncology)

WSCC – Room 6C

Recommendations for Equine Athletes
with Cardiovascular Abnormalities

CHAIR:

Virginia Reef, DVM, DECVI, DACVIM (LAIM)

PANEL MEMBERS:

John Bonagura, DVM, MS, DACVIM (SAIM & Cardiology)

Rikke Buhl, DVM, PhD

Kim McGurkin, BSc, DVM, DVSc, DACVIM (LAIM)

Gunther Van Loon, DVM, PhD, DECEIM, Ass. DECVI

Colin Schwarzwald, Dr.med.vet., PhD, DECEIM, DACVIM (LAIM)

Leslie Young, BVSc, PhD

12:30 – 2:00 pm

Student Luncheon: Meet Your Mentors

WSCC – Room 303

Meet the 2013 ACVIM Forum Mentors and enjoy lunch with some of veterinary medicine's most respected influencers. Honor students receiving the ACVIM Certificate of Clinical Excellence.

Sponsored by:  Nestlé PURINA

6:00 – 7:30 pm

Wine and Cheese Reception Poster Viewing

WSCC – Room 4F

The reception and poster viewing offer a great opportunity to view research abstracts on display as poster presentations. Take advantage of this occasion to meet the authors, enjoy wine and cheese, and socialize with other Forum attendees.

Sponsored by:  Nestlé PURINA

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SATURDAY
JUNE 15

6:00 – 8:00 pm

Speaker and Moderator Reception

Sheraton – Cirrus

* WSCC = Washington State Convention Center

ACVIM SPECIALTY SYMPOSIUM

WEDNESDAY

JUNE 12

The ACVIM Specialty Symposium content is exclusively dedicated to ACVIM Diplomates and Candidates. The content is determined by the president of each ACVIM specialty and input from ACVIM Diplomates. The sessions for each of the five specialties focus on in depth topics that are extremely relevant to Diplomates and Candidates. Each specialty also hosts a luncheon and Diplomate certificate ceremony to recognize Candidates that have achieved their specialty status.

KEY

All Entries listed open to ACVIM Diplomates, ACVIM Candidates, & Invited Guests only unless otherwise coded as below



Open to ACVIM Diplomates and Invited Guests Only



Luncheons
(Tickets required)



Open to ACVIM Candidates Only

All sessions are located in the Washington State Convention Center (WSCC)



CARDIOLOGY PROGRAM

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:10 am	615-616	Cardiology Specialty President Welcome	J. Abbott
8:10 - 8:35 am	615-616	Open-heart Surgery for Correction of Congenital Heart Defects: Nihon University Experience	M. Uechi
8:35 - 9:00 am	615-616	Open-heart Surgery for Correction of Congenital Heart Defects: UCD Experience	L. Griffiths
9:00 - 9:50 am	615-616	The Pearls and Pitfalls of Pulmonary Stenosis	A. Estrada/N.Moise/ R.Pariat/S. Jesty
9:50 - 10:30 am		BREAK	
10:30 - 11:10 am	615-616	Left Ventricular Outflow Tract Obstructions in Dogs: What we Know and Don't Know	D. Sisson
11:10 - 11:50 am	615-616	ACVIM Cardiology Executive Summary on Management of Incidentally-discovered Heart Murmurs: Draft Document Discussion	E. Cote
11:50 am - 1:10 pm	6C	Specialty of Cardiology Luncheon & Diplomate Certificate Ceremony	
1:10 - 2:00 pm	615-616	SOTA: Cyanotic Congenital Heart Disease: A Multisystem Systemic Disorder	J. Perloff
2:00 - 3:15 pm	615-616	Specialty of Cardiology Business Meeting	
2:00 - 3:15 pm	617	ACVIM Candidate Function: Hemodynamics Calculations	M. Oyama
3:15 - 3:30 pm		BREAK	
3:30 - 4:00 pm	615-616	Found in Translation: Pearls of Veterinary Cardiology from the Overseas Literature (Japan) ♦	M. Uechi
4:00 - 4:30 pm	615-616	Found in Translation: Pearls of Veterinary Cardiology from the Overseas Literature (Italy) ♦	R. Santilli
4:30 - 5:00 pm	615-616	Found in Translation: Pearls of Veterinary Cardiology from the Overseas Literature (France) ♦	V. Chetboul
5:00 - 5:30 pm	615-616	Found in Translation: Pearls of Veterinary Cardiology from the Overseas Literature (Germany) ♦	M. Schneider
5:30 - 7:00 pm	6A/6B	ACVIM SPECIALTY SYMPOSIUM RECEPTION	

♦ ERC approved lecture for ACVIM Residency requirements.



NEUROLOGY PROGRAM

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:10 am	607	Neurology Specialty President Welcome	S. Platt
8:10 - 9:00 am	607	SOTA: Understanding the Causes and Cures of Lou Gehrig's Disease	J. Robertson
9:00 - 9:50 am	607	SOTA: Misfolded SOD1 as a Therapeutic Target for ALS and Canine Degenerative Myelopathy	J. Robertson
9:50 - 10:05 am		BREAK	
10:05 - 12:00 pm	607	Panel Discussion: Inflammatory Brain Disease	C. Mariani/A. Tipold/ J. Levine
12:00 - 1:30 pm	611-612	Specialty of Neurology Luncheon & Diplomate Certificate Ceremony	
1:30 - 1:50 pm	607	Tribute to Dr. Terrell A. Holliday	
2:00 - 2:25 pm	607	Clinical Trial for Canine Degenerative Myelopathy	J. Coates
2:25 - 2:50 pm	607	Cerebellar Degeneration Due to an Autophagy Defect in Old English Sheepdogs and Gordon Setters	N. Olby
2:50 - 3:15 pm	607	Job Task Analysis Update	S. Platt
3:15 - 3:30 pm		BREAK	
3:30 - 5:00 pm	607	Specialty of Neurology Business Meeting	S. Platt
3:30 - 5:00 pm	617	ACVIM Candidate Function: Electrodiagnostic Testing	P. Cuddon
5:30 - 7:00 pm	6A/6B	ACVIM SPECIALTY SYMPOSIUM RECEPTION Nestlé PURINA	




ONCOLOGY PROGRAM

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:15 am	606	Oncology Specialty President Welcome	C. Khanna
8:15 - 9:00 am	606	Nanomedicine Cancer Applications and Translational Studies	T. Fan
9:00 - 9:50 am	606	Novel Therapeutic Options for Brain Tumors	J. Rossmeisl
9:50 - 10:05 am		BREAK	
10:05 - 10:55 am	606	SOTA: Procaspace - 3 Activation as a Personalized Anticancer Strategy: From Compound Discovery to Canine Clinical Trials	P. Hergenrother
10:55 - 11:45 am	606	SOTA: NQ01 - Mediated Activation as an Anticancer Strategy	P. Hergenrother
12:00 pm - 1:30 pm	6A	Specialty of Oncology Candidate / Diplomate Luncheon / Business Meeting	C. Khanna
1:45 - 2:30 pm	606	Advanced Imaging for the Assessment of Novel Therapeutics and Anti-Tumor Response	D. Vail
2:30 - 3:15 pm	606	Targeting the Metastatic Phenotype	C. Khanna
3:15 - 3:30 pm		BREAK	
3:30 pm - 4:00 pm	606	Panel Discussion on Advanced Therapeutics	
4:00 - 5:00 pm	606	Viruses and Cancer for Diplomates and Candidates	S. Axiak-Bechtel
5:30 - 7:00 pm	6A/6B	ACVIM SPECIALTY SYMPOSIUM RECEPTION Nestlé PURINA	
7:15 - 11:00 pm	Four Seasons Hotel	ONCOLOGY SPECIALTY DINNER & DIPLOMATE CERTIFICATE CEREMONY	

ACVIM SPECIALTY SYMPOSIUM



LARGE ANIMAL INTERNAL MEDICINE PROGRAM - EQUINE

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:10 am	619-620	Large Animal Internal Medicine Specialty President Welcome	A. Roussel
8:10 - 9:00 am	619-620	Equine and Farm Animal Neurologic Case Studies: Brain Disorders	A. de Lahunta
9:00 - 9:50 am	619-620	Equine and Farm Animal Neurologic Case Studies: Involuntary Muscle Contractions	A. de Lahunta
9:50 - 10:05 am		BREAK	
10:05 - 11:45 am	619-620	Specialty of Large Animal Internal Medicine Business Meeting	A. Roussel
10:05 - 11:45 am	618	ACVIM Candidate Function: 1) The Funding Landscape for Research in Veterinary Medicine; 2) Tactics for Successful Grant Writing ♦	D. Haworth
12:00 - 1:30 pm	6E	Specialty of Large Animal Internal Medicine Luncheon & Diplomate Certificate Ceremony	
1:45 - 2:30 pm	618	Highlights of the 2013 ECEIM Meeting	J. Slater
2:30 - 3:15 pm	618	Risk Assessment and Outbreak Control Plans for Equine Farms and Competitions	J. Slater
3:15 - 3:30 pm		BREAK	
3:30 pm - 4:15 pm	618	SOTA: Clinical Experiences in Human Neonatal Critical Care: Pushing the Limits of Viability	C. Gleason
4:15 - 5:00 pm	618	SOTA: Current Research in Neonatal Neurodevelopment and Neonatal Stress	C. Gleason
5:30 - 7:00 pm	6A/6B	ACVIM SPECIALTY SYMPOSIUM RECEPTION  Nestlé PURINA	

♦ ERC approved lecture for ACVIM Residency requirements.









LARGE ANIMAL INTERNAL MEDICINE PROGRAM - FOOD ANIMAL

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:10 am	619-620	Large Animal Internal Medicine Specialty President Welcome	A. Roussel
8:10 - 9:00 am	619-620	Equine and Farm Animal Neurologic Case Studies: Brain Disorders	A. de Lahunta
9:00 - 9:50 am	619-620	Equine and Farm Animal Neurologic Case Studies: Involuntary Muscle Contractions	A. de Lahunta
9:50 - 10:05 am		BREAK	
10:05 am - 11:45 am	619-620	Specialty of Large Animal Internal Medicine Business Meeting	A. Roussel
10:05 am - 11:45 am	618	ACVIM Candidate Function: 1) The Funding Landscape for Research in Veterinary Medicine; 2) Tactics for Successful Grant Writing	D. Haworth
12:00 pm - 1:30 pm	6E	Specialty of Large Animal Internal Medicine Luncheon & Diplomate Certificate Ceremony	
1:30 - 3:15 pm	619-620	Physical Diagnosis in Ruminants: A Review	B. Smith
3:15 - 3:30 pm		BREAK	
3:30 - 5:00 pm	619-620	Foreign Animal Diseases: What Do We Know?	P. Hullinger
5:30 - 7:00 pm	6A/6B	ACVIM SPECIALTY SYMPOSIUM RECEPTION  Nestlé PURINA	

ACVIM SPECIALTY SYMPOSIUM



SMALL ANIMAL INTERNAL MEDICINE PROGRAM

TIME	TRACK 1 STEM CELL THERAPY Room 608	TRACK 2 SPECIALTY REVIEWS FOR INTERNISTS Room 609	TRACK 3 TEACHING AND RESEARCH Rooms 613-614
8:00 - 8:10 am	Small Animal Internal Medicine Specialty President Welcome Room 6B		J. Sykes
8:15 - 9:50 am	Feline Adipose-derived Mesenchymal Stem Cells: What Do We Know? T. Webb Stem Cells in Inflammatory Bowel Disease C. Webb	Dermatological Manifestations of Internal Medicine Disease K. Campbell Opportunistic Skin Infections in Immunosuppressed Patients R. Rosychuk	Active Learning Strategies for the Classroom J. Smith, C. Ward Teaching Strategies for the Clinic Floor J. Smith, C. Ward
9:50 - 10:00 am	BREAK  		
10:05 - 11:45 am	Specialty of Small Animal Internal Medicine Business Meeting Room 608		J. Sykes
10:05 - 11:45 am	ACVIM Candidate Function: Scientific Writing and How to Get Published ♦		Room 609 K. Hinchcliff
12:00 - 1:30 pm	Specialty of Small Animal Internal Medicine Luncheon & Diplomate Certificate Ceremony Room 6B 		
1:45 - 3:15 pm	SOTA: The Fundamental Biology of Stem Cells and Their Potential Role in Regenerative Medicine A. Hoffman SOTA: Challenges and Opportunities in Transforming Internal Medicine with Stem Cells A. Hoffman	Tyrosine Kinase Inhibitors in Chemotherapy C. London Metronomic (low-dose continuous) Chemotherapy: Principles, Rationale, Protocols D. Vail	Beyond the Lecture in Veterinary Education: Creating Lifelong Learners K. Creevy Tales from the Veterinary Endoscopy Society Annual Meeting D. Duval
3:15 - 3:30 pm	BREAK  		
3:30 - 4:20 pm	Is There a Role for Mesenchymal Stem Cells in the Treatment of Feline Asthma? C. Reinero	Non-cardiac Thoracic Ultrasound R. O'Brien	Top Nephrology/Urology Papers from 2012 G. Grauer
4:25 - 5:15 pm	Surprising Antimicrobial Properties of Mesenchymal Stem Cells V. Johnson	Advanced Vascular CT Imaging of Awake Patients R. O'Brien	2012 Highlights in Respiratory Medicine C. Reinero
5:30 - 7:00 pm	ACVIM SPECIALTY SYMPOSIUM RECEPTION  PURINA Room 6A/6B		

♦ ERC approved lecture for ACVIM Residency requirements.

♦ ERC approved lecture for ACVIM Residency requirements.

INTERACTIVE SESSIONS

THURSDAY, JUNE 13

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
6:30 - 8:30 am	305	Breakfast with the Specialists: Spinal Cord Injury and Recovery (IS10) \$30 <i>Attendance Limited to ACVIM Diplomates and ACVIM Candidates Only</i>	N. Olby, N. Jeffery
	304	Breakfast with the Specialists: Pulmonary Hypertension Diagnosing and Treating (IS15) \$30 <i>Attendance Limited to ACVIM Diplomates and ACVIM Candidates Only</i>	H. Kellihan, L. Johnson
		SOLD OUT	
	309	Breakfast with the Specialists: The Use of Prokinetics in Ruminants (IS20) \$30 <i>Attendance Limited to ACVIM Diplomates and ACVIM Candidates Only</i>	P. Constable
	3A	Case Discussion: Mitochondrial Dysfunction, Chronic Disease and Novel Therapies (IS25)	L. Mandelker
	6C	Commerical Presentation: The Itchy Dog: Diagnosing the Problem and Stopping the Cycle (IS22) 	D. DeBoer
10:30 - 11:30 am	212	SIG: Benefits of Using Vet-Labeled Products (IS38) 	C. Baldwin
11:30 am - 12:30 pm	212	SIG: Compounded Insulin and the Diabetic Patient (IS39) 	C. Scott-Moncrief
10:30 am - 12:30 pm	214	Case Discussion: Could it be Addison's? (IS30)	L. Luther
	213	Workshop: Introduction to Small Animal Laparoscopy (IS35) \$75 <i>Limited Attendance / Veterinarians Only</i> 	C. Webb, D. Twedt
7:30 - 9:30 pm	615	Case Discussion: Cancer Cytology Interactive Case Series (IS45)	D. Thamm
	211	Case Discussion: Case Analysis of Chronic Diarrhea, Weight Loss and Vomiting (IS90)	M. Willard
	617	Case Discussion: Cervical Disc Arthroplasty in Dogs with Disc-associated Wobbler Syndrome (IS55)	F. Adamo, B. Kroll, C. Giovanella
		SOLD OUT	
	205	Case Discussion: Interesting Cases from Archives of a Veterinary Diagnostic Laboratory: Large Animal Practice (IS95)	S. Kapil
	212	Case Discussion: Nutritional Management of Feline Diseases: A Case-by-Case Approach (IS105)	D. Zoran
	214	Case Discussion: Upper Urinary Tract Case Discussions (IS115)	G. Grauer
	606-607	Case Discussion: How to Deal with Concurrent Pancreatitis and Diabetes in Dogs and Cats (IS80)	L. Fleeman
	620	SIG: Update on EPM (IS65)	F. Andrews
	608	SIG: Equine Endocrine Disease (IS70)	D. McFarlane
	609	SIG: GI Endoscopy: What's Your Diagnosis (IS75) 	M. Leib, M. Matz
	204	SIG: Individualized Management of Equine Pericarditis (IS85)	J. Reimer
	206	SIG: FAIM (IS120) 	
	303	SIG: Cutting Edge Care for Your Painful and Paretic Patients: Are You Doing Everything You Can? (IS122) 	S. Kube, H. Steinberg, J. VanDyke
	616	Workshop: Cardiac Auscultation and Phonocardiography in Small Animals and Horses (IS50)	C. Kwart
	618-619	Workshop: Credentials and Case Report Session for Candidates and Their Mentors (IS60)	G. Hallowell
	307-308	Workshop: Mentoring Strategies for Early-Career Specialists: Maintaining Professional Vitality in the Era of Re-Credentialing (IS100)	J. August, K. Hart
	213	Workshop: Putting the Influence Behind Your Social Media (IS110)	J. Estrin, J. Klepic

INTERACTIVE SESSIONS

FRIDAY, JUNE 14

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
6:00 - 8:00 am	212	Case Discussion: Evaluation of Equine Neuromuscular Disease (IS130)	C. Finno, S. Valberg
	211	Case Discussion: Surgery, Radiation, Both or Neither? Approaches for Challenging Cancer Cases (IS135)	S. LaRue
	210	SIG: Large Animal Mobile Internists: Legal Considerations of Consultation (IS145) <i>Limited Attendance / Veterinarians Only</i> 	P. Smith
	204	Workshop: ECG Interpretation for the ER Doc (IS205)	S. Marks, C. Atkins
	214	Workshop: Creating a Culture of Safety in the Workplace (IS125)	J. Estrin
	203	Workshop: Using Social Media in Your Veterinary Practice (IS140)	M. Feutz
6:30 - 7:30 am	Sheraton - Isaquah A	Case Discussion: Cascading Down Pathways Towards Relaxation and Coagulation (IS150)	D. Lewis, R. Gunn
7:00 - 8:00 am	205	Case Discussion: That Pesky Alkaline Phosphatase (IS155)	M. Mikiciuk
	206	Case Discussion: Updates on the Management of Cats with Idiopathic Lower Urinary Tract Disease (IS158) 	M. Lappin
8:00 - 9:00 am	305	Workshop: ABVP - Is It For Me? (IS160)	C. Datz
8:00 am - 12:00 pm	309	Workshop: Continuous Renal Replacement Therapy: Theory and Practice (IS165)	C. Langston, A. Eatroff
		SOLD OUT	
	307	Workshop: Thoracic Imaging Case Studies (IS170) <i>Limited Attendance / Veterinarians Only</i> \$75	K. Miles
	308	Workshop: Tracheal and Urethral Stenting (IS175) <i>Limited Attendance / Veterinarians Only</i>  \$250	A. Berrent, C. Weisse, A. Radhakrishnan
12:30 - 2:00 pm	203	SIG: Equine Emerging Issues Luncheon: Updates on Emerging and Re-Emerging Equine Diseases: The Year in Review (IS180) 	
7:30 - 9:30 pm	608-609	Case Discussion: Advanced Diagnostics, Therapeutics and Imaging Studies for Canine and Feline Lower Urinary Tract Disorders: A Case-Based Discussion (IS40) 	J. Westropp, E. Johnson
	203	Case Discussion: Case Studies in Feline Internal Medicine: Using Audience Polling Technology to Address Challenging Questions (IS190)	J. August, K. Scott
	616-617	Case Discussion: Diagnosis and Treatment of Small Animal Infectious Diseases (IS200)	J. Veir, C. Thompson
	613-614	Case Discussion: Equine Echocardiography Reading Session (IS210)	C. Schwarzwald
		SOLD OUT	
	606-607	Case Discussion: Interesting Cases from Archives of a Veterinary Diagnostic Laboratory: Small Animal Practice (IS225)	S. Kapil
	618-619	Case Discussion: Management of the Difficult Diabetic Cushingoid Patient (IS235)	C. Ward
	611	SIG: Hot Topics in Dermatology (IS220) 	R. Rosychuk
	612	SIG: Liver Study Group: Cases from the Diplomates: Real Life Strategies in Case Management (IS230)	C. Webster
	305	SIG: Society of Comparative Endocrinology (SCE) (IS245) 	J. Scott-Moncrief
	306	SIG: ISCAID Panel Discussion: Infectious Disease Screening for Blood Donors - Update Guidelines (IS250) 	M. Lappin, B. Kohn, A. Birkenheuer, J. Sykes
	615	Workshop: Computer-Aided Blood Smear Analysis (IS195) 	H. Tvedten
	620	Workshop: Gastrointestinal Endoscopy (IS215) 	A. Jergens

Saturday Interactive Sessions on next page.

INTERACTIVE SESSIONS

SATURDAY, JUNE 15

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
8:00 - 10:00 am	211	Workshop: Evaluation of the Exercising ECG in the Horse (IS255)	M. McGurrin
		SOLD OUT	
	212	Workshop: Get Started with Social Media for Your Veterinary Practice (IS260)	M. Feutz
		SOLD OUT	
2:00 - 4:00 pm	211	Case Discussion: Hypoalbuminemia: What Next? (IS265)	J. Dandrieux
	212	Workshop: I Have Patience for My Patients but My Clients are Driving Me Crazy? Tips for Working with High Maintenance Owners (IS270)	L. Garrett, R. Chun
		SOLD OUT	

STUDENT LUNCHEON: MEET YOUR MENTORS

FRIDAY, JUNE 14

12:30 – 2:00 pm
WSCC –Room 303

Sponsored by:



Enjoy lunch with some of veterinary medicine's most respected influencers and honor students receiving the ACVIM Certificate of Clinical Excellence. This certificate recognizes and promotes the value of clinical scientists, and is presented to fourth year veterinary students who demonstrate a sincere interest in veterinary internal medicine and outstanding didactic and clinical expertise.

OroCAM™ (meloxicam) Transmucosal Oral Spray
Non-Steroidal Anti-Inflammatory Drug for oral use in dogs only.

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

BRIEF SUMMARY: This summary does not include all the information needed to use OroCAM safely and effectively. See the Package Insert and Client Information Sheet for complete prescribing and other information.

For Animal Use Only

For Oral Use in Dogs Only

WARNING
Repeated use of meloxicam in cats has been associated with acute renal failure and death. Do not administer meloxicam transmucosal oral spray to cats. See Contraindications for detailed information.

Description: Meloxicam belongs to the oxicam class of non-narcotic, Non-Steroidal Anti-Inflammatory Drugs (NSAID). Each milliliter of OroCAM contains 5 mg meloxicam.

Indication: OroCAM (meloxicam) Transmucosal Oral Spray is indicated for the control of pain and inflammation associated with osteoarthritis in dogs.

Dosage and Administration: Always provide the Client Information Sheet when prescribing and dispensing OroCAM. Use the lowest effective dose for the shortest duration consistent

with individual response. Due to the pump sizes, dogs weighing less than 5.5 pounds (2.5 kg) cannot be accurately dosed. OroCAM should be administered once daily at a dose of 0.1 mg/kg (0.045 mg/lb). See Bottle/Pump Assembly Instructions for Veterinarians and Administration Instructions for Owners.

Contraindications: OroCAM (meloxicam) Transmucosal Oral Spray should not be used in dogs that have a hypersensitivity to meloxicam or known intolerance to NSAIDs. Do not use OroCAM in cats.

Do not use OroCAM in cats. Acute renal failure and death have been associated with the use of meloxicam in cats.

Human Warnings: Not for use in humans. Keep this and all medications out of reach of children. Consult a physician in case of accidental ingestion by humans or contact with mucous membranes. Direct contact with skin, eyes, and mucous membranes should be avoided. If contact occurs with skin, the area should be washed immediately with soap and water for at least 20 seconds. In case of contact with eyes, flush immediately with water. Women in late pregnancy should avoid contact with this product.

Other Precautions: The use of OroCAM (meloxicam) Transmucosal Oral Spray has not been evaluated in dogs younger than six months of age, dogs weighing less than 5.5 lbs (2.5 kg), dogs used for breeding, or in pregnant or lactating dogs. Meloxicam is not recommended for use in dogs with bleeding disorders, as safety has not been established in dogs with these disorders. Concurrent administration of potentially nephrotoxic drugs should be carefully approached. Please refer to the full Package Insert

for more complete information on possible interactions and other pertinent information.

Common Side Effects: The most common adverse reactions involved the gastrointestinal system (see the Table in the Package Insert). Non-gastrointestinal adverse reactions were rare and included increased liver enzymes, hematuria, lethargy, polydipsia, and dehydration.

The incidence of adverse reactions observed in a clinical study is tabulated in the Package Insert. The pattern suggests some gastrointestinal effects (vomiting, diarrhea) are associated with OroCAM. The clinical signs were generally mild, transient (lasted 1-4 days during the 28-day study period), and resulted in complete recovery. There were no clinical signs related to the increased liver enzymes.

Effectiveness: Effectiveness was demonstrated using OroCAM in a masked, placebo-controlled, multi-site field study involving client-owned dogs. In this study, 280 dogs diagnosed with osteoarthritis were randomly administered OroCAM, or a placebo. Dogs received a daily meloxicam dose or placebo for 28 days. Effectiveness was evaluated in 258 dogs and field safety was evaluated in 280 dogs. After 28 days the treatment group showed a success rate (improvement of clinical signs) of approximately 73% and the placebo group showed a success rate of about 47%.

See full Package Insert for more details, as well as for results of safety studies.

ORO-061 March 2013 © Abbott Laboratories

Spray and Go

The first and only veterinary NSAID with transmucosal oral delivery for canine osteoarthritis.



Quick and reliable delivery^{1,2}

- Administered with a quick spray
- Consistent and accurate dose²
- Absorbed directly into the systemic circulation¹
- Nothing to swallow or digest

See how it works at OroCAM.com

OroCAM[™]
(meloxicam)
quick and reliable delivery^{1,2}



Indication: OroCAM (meloxicam) Transmucosal Oral Spray is indicated for the control of pain and inflammation associated with osteoarthritis in dogs.

Important OroCAM (meloxicam) Safety Information: **WARNING:** Repeated use of meloxicam in cats has been associated with acute renal failure and death. Do not administer meloxicam transmucosal oral spray to cats. See Contraindications for detailed information. **Warnings, Precautions, and Contraindications:** For oral use in dogs only. OroCAM should not be used in dogs with known hypersensitivity to meloxicam or other NSAIDs, dogs weighing less than 5.5 pounds (2.5 kg), or dogs younger than six months of age. It has not been evaluated for safety in breeding dogs, lactating dogs, or dogs with bleeding disorders. **Adverse Reactions:** Common adverse reactions include vomiting, diarrhea, increased liver enzyme values, and loss of appetite. In clinical studies, the clinical signs were generally mild, transient (lasted 1-4 days during the 28-day study period), and resulted in complete recovery. There were no clinical signs related to the increased liver enzymes. Kidney or liver damage has been reported with other NSAIDs. **Other Recommendations:** All dogs should undergo a thorough history and physical examination before the initiation of NSAID therapy. Appropriate laboratory testing to establish hematological and serum biochemical baseline data is recommended prior to and periodically during administration of any NSAID.

See Brief Summary of Prescribing Information on adjacent page.

To learn more about OroCAM, contact Abbott Animal Health Customer Service at 888-299-7416. Promist is a trademark of Velcera, Inc. OroCAM is a trademark of Abbott Laboratories. ORO-061 March 2013 © Abbott Laboratories.

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Animal Health

1. Placebo-Controlled Field Efficacy Trial of Meloxicam Administered Orally Via Transmucosal Oral Mist (Promist[™] Technology), in Client-Owned Dogs with Osteoarthritis, Abbott Study 09-17-MC-D-CT-MP, 2011. 2. OroCAM Spray Studies Summary, Abbott Study 11-11-MC-N-DC-MC, 2011.

SCIENTIFIC SESSION DESCRIPTIONS

RESEARCH FOCUS LECTURES

State-of-the-Art (SOTA) presentations are geared for ACVIM Diplomates. The speakers are recognized as experts in their topic areas. During each lecture, information from the last 2 years is presented and represents new material for ACVIM Diplomates. Background information is brief so that there is sufficient time for presentation of new material.

Research Reports presentations permit active researchers in the field the opportunity to present new findings using an extended abstract format. The findings may be clinical or basic in nature. The majority of the presentation is comprised of cutting-edge research findings.

COMPREHENSIVE REVIEW LECTURES

Comprehensive Review Lectures are a review of Fundamental Principles of Disease or an area of Applied Medicine. They are 50 minutes long and provide an extensive, critical, up-to-date overview of a topic that is directly or indirectly applicable to veterinary internal medicine. Lecture content is derived from evidence-based reports and similar sources with minimal inclusion of empirical information. The subject matter well exceeds that of an advanced graduate or advanced professional student / resident lecture in complexity and depth.

Fundamental Principles of Disease Lectures are about topics related to medical physiology or pathophysiology of disease. Lecture content is not required to directly impact clinical practice, but encompasses an aspect of veterinary medical knowledge. Inclusion of unpublished data is strongly encouraged.

Applied Medicine presentations provide a critical and extensive review of topics directly related to the practice of veterinary internal medicine. The majority of the information is derived from scientific reports published in the past 3 to 5 years. Lecture content provides attendees with new information that can be applied directly to the practice of innovative veterinary internal medicine.










POST-GRADUATE COURSES

Post-Graduate Courses, offered in a mini-course format, are a series of advanced level lectures on a topic of clinical interest. The lecture includes a critical current overview but may also incorporate clinical case examples and other case material. Courses may include 2, 3 or 4 50-minute consecutive lectures on a thematic topic.

CLINICAL WORKSHOPS

Clinical Workshops are interactive lectures with advanced medicine cases or pertinent topics, presented and discussed in an informal setting. Clinical examples illustrate the most current diagnostic and treatment methods, and demonstrate a problem-based approach to managing complex diseases.

GRID KEY FOR SCIENTIFIC SESSIONS for the following pages

 CARDIOLOGY	 SMALL ANIMAL INTERNAL MEDICINE & AFFILIATED GROUPS	 STATE-OF-THE-ART SPEAKER (SOTA)
 NEUROLOGY	 EQUINE	 BUSINESS MANAGEMENT
 ONCOLOGY	 FOOD ANIMAL	 ONE MEDICINE

SCIENTIFIC SESSION DESCRIPTIONS

THURSDAY
JUNE 13

MORNING SESSIONS

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	9:00 – 9:50 am		10:30 – 11:20 am		11:30 am – 12:20 pm
Research Abstracts Room 609	Cardiology		Cardiology		Cardiology
Cardiology Comprehensive Reviews Rooms 611-612	Clinical Appraisal of the Role of Echocardiography in Acquired Canine Heart Disease G. Wess		Can I Trust My Echocardiographic Assessments of Cardiac Dimension and Volumes? J. Haggstrom, I. Ljungvall		A Critical Review of Neuroendocrine Hormones as Cardiac Biomarkers in Dogs K. Hoglund
Abstracts Rooms 606-607	Neurology		Neurology		Neurology
Oncology Comprehensive Reviews / Research Focus Rooms 613-614	The Delicate Balance of Experience and Evidence in Clinical Decision Making T. Schermerhorn		Assessing Clinical Trial Design: Critical Evaluation of Reported Outcomes ♦ D. Vail		Anti-Tumor Activity of Irreversible SINE in Dogs with Cancer C. London Evaluation of the Novel HSP90 Inhibitor STA-1474 in Dogs with Cancer C. London
SAIM Comprehensive Reviews Room 6A	Mechanisms and Pathogenesis of Gastrointestinal Motility R. Washabau		Methods of Assessing Gastrointestinal Motility R. Washabau		New Therapies for Gastrointestinal Motility R. Washabau
VCRS (SA) Comprehensive Reviews Rooms 2A/2B	Air Quality: What Our Patients Wish We Knew! J. Dye		Canine and Feline Rhinitis: Theory and Practice L. Johnson		Canine Chronic Bronchitis and Cough B. McKiernan
SAIM Comprehensive Reviews / Research Focus Room 6E	Biomarkers for Sepsis: Are We Any Closer? A. DeClue		Identification and Management of Sepsis in the Cat A. DeClue		Experimental Janus Kinase Inhibitor Suppresses Eosinophilic Airway Inflammation in Feline Asthma C. Reinero Fluticasone or Prednisolone for Treatment of Cats with Naturally-Occurring Lower Airway Disease E. Rozanski
ACVCP / AAVPT Room 6B	Joint Nutraceuticals and Diets: Critical Evaluation of Efficacy S. Budsberg		Probiotics: Hope or Hype? K. Simpson		Urinary Tract Nutraceuticals: Critical Evaluation of Efficacy K. Kukanich
Research Abstracts Room 608	SAIM-Endocrinology		SAIM-Endocrinology		SAIM-Endocrinology
Research Abstracts Room 211	SAIM-Infectious Disease		SAIM-Infectious Disease		SAIM-Infectious Disease
Research Abstracts Room 204	SAIM-Hepatology		SAIM-Hematology		SAIM-Hematology
Research Abstracts Room 616	Equine		Equine		FAIM
Equine Comprehensive Reviews Rooms 618-619	An Emerging Role for the Equine and Asinine Gamma-herpes Viruses? P. Johnson		Theileria Equi: A Review of Clearance Therapeutics and Novel Diagnostic Techniques L. Wise		Advances in the Diagnosis and Treatment of Botulism A. Johnson
FAIM Comprehensive Reviews Room 618	FAD Incursions: Novel Issues in Business Continuity P. Hullinger		FMD: Rethinking the Response to an Incursion P. Hullinger		Antimicrobial Resistance and Food Animals: Implications for Human and Animal Health J. Middleton
FAIM Comprehensive Reviews Room 615	Coxiellosis: The Disease and Clinical Presentation P. Plummer		Coxiellosis: Control and Environmental Management P. Plummer		Coxiellosis: Lessons to be Learned from the Netherlands Outbreak P. Plummer
Research Abstracts Room TBD	SAIM-Nephrology/Urology		SAIM-Nephrology/Urology		SAIM-Nephrology/Urology

HEALTHY EQUUS
REFRESHMENT BREAK - VISIT EXHIBIT HALL Sponsored by

REFRESHMENT BREAK - VISIT EXHIBIT HALL





♦ ERC approved lecture for ACVIM Residency requirements.

SCIENTIFIC SESSION DESCRIPTIONS

THURSDAY
JUNE 13

AFTERNOON SESSIONS

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	2:10 – 3:00 pm	3:10 – 4:00 pm		4:25 – 5:15 pm	5:25 – 6:15 pm
Research Abstracts Rooms 611-612	Cardiology	Cardiology		Cardiology	Cardiology
Cardiology Comprehensive Reviews Room 609	Left Ventricular Volume and Function in Dogs Assessed by 3D Echocardiography and MDCT K. Scollan	Left Atrial Size and Function in Dogs Using Echocardiography and MDCT K. Scollan, D. Sisson		Clinical Characterization of 100 Boxer Dogs W. Brown	Myxomatous Mitral Valve Disease: Relevant Pathology P. Fox
Research Abstracts Room 206	Neurology	Neurology		Neurology	Neurology
Neurology Research Focus Room 606-607	Electroencephalography and Clinical Findings in 37 Dogs and Cats B. Bush Placement of Deep Stimulating and Recording Electrodes in the Canine Brain Using the Brainsight® Frameless Stereotaxy System S. Long	Novel Gene Sequencing Technique G. Johnson Identification of Two Breed-Specific Mutations Associated with Canine Multiple System Degeneration Using Whole Genome Resequencing D. O'Brien	BREAK - VISIT EXHIBIT HALL	Identification of a Mutation Associated with Spioncerebellar Ataxia, Myokymia and Seizures in Jack/Parson Russell Terriers Using Whole Genome Sequencing J. Coates Genome Wide Methylation Sequencing to Profile Epigenetic Modifications in Canine Glioma P. Dickinson	Stem Cell Sources in Adult Dogs J. Lim The Nebulin Gene (NEB) is Likely Candidate for Nemaline Rod Myopathy in a Family of American Bulldogs G. Shelton
Research Abstracts Room 205	Oncology	Oncology		Oncology	Oncology
Oncology Comprehensive Reviews Rooms 613-614	Glucose, Lactate and the Metastatic Phenotype D. Thamm	Novel Potential Targets for Drugs in Canine Osteosarcoma T. Fan		Targeting Cancer Acid Environment: A Novel Anticancer Strategy E. Spugnini	Oncolytic Virus Therapy in Models of Feline and Canine Cancers A. MacNeil
Research Abstracts Room 204	SAIM-Endocrinology/Gastroenterology	SAIM-Gastroenterology		SAIM-Gastroenterology	SAIM-Gastroenterology
SAIM Comprehensive Reviews Room 6A	When Two are Not Better: Canine Chronic Kidney Disease and Nephroureterolithiasis J. Bartges	When Two are Not Better: Canine Chronic Kidney Disease and Heart Disease A. Saunders		Maximal Reduction of Proteinuria: Beyond ACE-Inhibitors B. Pressler	Acute Kidney Injury: Human and Veterinary Knowledge M. Kerl
ACVCP / AAVPT Room 6B	Nutraceutical Evaluation: Marketing and Surveillance B. Kukanich	Herbal/Nutraceutical Drug Interactions D. Boothe		Antioxidant Supplements: Critical Evaluation of Efficacy K. Viviano	Cardiac Supplements: Critical Evaluation of Efficacy L. Freeman
SCE Room 2A/2B	Human Metabolic Syndrome J. Brunzell	Feline Metabolic Syndrome C. Bjornvad		Canine Metabolic Syndrome K. Verkest	Equine Metabolic Syndrome N. Frank
SVN / U Room 6E	Stemness: Examples of Kidney Stem Cells and Therapeutic Applications A. Hoffman	Use of Intra-Arterial and IV Mesenchymal Stem Cell Therapy in Canine and Felines with CKD A. Berent Telomere Length and Cellular Senescence in Feline CKD J. Quimby		Immune Responses to UTI: Vaccines for Recurrent Infections? D. Klumpp	Vaginal Flora and UTI in Dogs S. Vaden Update on Urate Urolithiasis J. Larsen
					

SCIENTIFIC SESSION DESCRIPTIONS

**THURSDAY
JUNE 13**

AFTERNOON SESSIONS *(continued)*

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	2:10 – 3:00 pm	3:10 – 4:00 pm		4:25 – 5:15 pm	5:25 – 6:15 pm
Research Abstracts Room 211	SAIM-Respiratory	SAIM-Respiratory/ Immunology		SAIM-Immunology	SAIM-Immunology/Other
Research Abstracts Room 616	Equine	Equine		Equine	Equine
FAIM Research Focus / Abstracts Room 615	Thoracic Ultrasonography for Evaluation of Lung Pathology in Beef Cattle with Acute BRD S. Buczinski Antimicrobial Resistance Surveillance in Beef Feedlot Cattle N. Noyes	FAIM	BREAK - VISIT EXHIBIT HALL	FAIM	FAIM
Equine Post-Graduate Course Rooms 618-619	Assessing Cardiovascular Function in the Critically Ill Horse G. Hallowell	Dysregulation of Calcium Homeostasis in the Critically Ill Horse G. Hallowell		Renal Replacement Therapy in Horses: A Viable Clinical Option? D. Wong	Response to Endotoxemia: Variable Response Between Neonate and Adult B. Sponseller
FAIM Comprehensive Review Room 620	Abomasal Problems of Dairy Calves: Herd-Based Approach to Problem Solving S. McGuirk	Metritis: Dairy Herd-Based Problem Solving S. McGuirk		Vaccinology for Food Animals S. Fleming	3rd Compartment Ulcers in Camelids G. Smith

Friday Scientific Sessions continued on next page.

CHEERS AND PEERS MEET AND GREET FOR DIPLOMATES



THURSDAY, JUNE 13

7:30 – 8:30 am

Diplomat Lounge, Exhibit Hall

Are you a new Diplomat? Join us for a continental breakfast, celebrate your ACVIM accomplishments, and meet with ACVIM leaders. We want to personally welcome you and answer any questions you have at your first Forum as a new Diplomat!

SCIENTIFIC SESSION DESCRIPTIONS

FRIDAY
JUNE 14
MORNING SESSIONS

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	8:00 – 8:50 am	9:00 – 9:50 am	SIGNATURE EVENTS
Cardiology Research Focus Room 6E	SOTA: Pulmonary Hypertension: Pathology, Pathophysiology, and Diagnostics ♦ JD Menteer	SOTA: Pulmonary Hypertension: Advances in Therapeutics and Outcomes ♦ JD Menteer	10:30 – 11:20 am WSCC – Room 6B
Neurology Research Focus Rooms 608-609	SOTA: Clinical Potential of Molecular Imaging in Veterinary Medicine ♦ M. Knopp	SOTA: Advanced Neuroimaging: Frontiers and Capabilities for Clinical Application ♦ M. Knopp	KEYNOTE ADDRESS Extra-Ordinary Veterinarian: Dr. Ford Bell  From Prostate Cancer to Museums: A Veterinary Journey <p>Don't miss this fascinating presentation by Ford W. Bell, who has more than 30 years of experience as a nonprofit executive, board chair, donor, trustee, educator and scientist. His unique background spans veterinary oncology, nonprofit leadership and advocacy for a variety of causes.</p> <p>Sponsored by:</p> 
Oncology Research Focus Room 2A	SOTA: New Metabolic Targets for Cancer Therapeutics ♦ M. Dewhirst	SOTA: Hypoxia, Angiogenesis and the HIF-1 Response ♦ M. Dewhirst	
Research Abstracts Room 617	SAIM-Pharmacology	SAIM-Pharmacology/Other	
Research Abstracts Room 616	SAIM-Nutrition/Metabolism	SAIM-Nutrition/Metabolism/Endocrinology	
SAIM Research Focus Rooms 606-607	SOTA: Diagnosis and Management of Fatty Liver Disease in People and Their Pets J. Lavine	SOTA: Beyond Foie Gras: Progression and Pathophysiology of Fatty Liver Disease J. Lavine	
SAIM Comprehensive Reviews Room 613-614	Treatment of Cushing's Syndrome in Dogs: Arguments For and Against R. Nichols	Elevated Calcium or Potassium in Asymptomatic Patients: Pursue or Ignore? R. Nichols	
SAIM Comprehensive Reviews Room 618-619	Practical Approach to Applying Pharmacokinetic Principles to Internal Medicine Cases L. Trepanier	Idiosyncratic Drug Toxicities in Dogs and Cats L. Trepanier	
CAPC Room 2B	Dog and Cat Blood Parasites D. Bowman	Larval Cestode Disease in Dogs and Cats D. Bowman	
ISCAID Room 201	Testing for Toxoplasmosis and Neosporosis M. Lappin	Mycoplasmas and Novel Viral Pathogens in Canine Infectious Respiratory Disease J. Brownlie	
Equine Comprehensive Reviews Room 611	Recent Advances in Equine Immunodeficiencies S. Taylor		
Equine Research Focus Room 612	SOTA: Nutrition, Immunity, and Infectious Diseases: A Translational Approach ♦ S. N. Meydani	SOTA: Nutrition and Age-Associated Inflammation: Implication for Disease Prevention ♦ S. N. Meydani	
FAIM Comprehensive Reviews Room 620	Cryptococcosis: An Emerging Disease in the Pacific Northwest R. Bildfell	Cryptococcosis and Other Fungal Diseases in Camelids R. Bildfell	
FAIM Research Focus Room 615	Detection E. Coli O157:H7 in Meat Goats D. Foster Tulathromycin in Sterile vs. Infected Tissue Cages in Goats After SC or Intra-Chamber Administration K. Washburn	Risk Factor Analysis for Paratuberculosis in Swiss Dairy and Beef Herds M. Meylan	

REFRESHMENT BREAK - VISIT EXHIBIT HALL Sponsored by HESKA



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• hypoxia •

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Friday 6/14, 4-5pm

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Booth #322**

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SCIENTIFIC SESSION DESCRIPTIONS

FRIDAY
JUNE 14
AFTERNOON SESSIONS

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	2:10 – 3:00 pm	3:10 – 4:00 pm		4:25 – 5:15 pm	5:25 – 6:15 pm
Cardiology Research & Review Room 6E	Vagal Maneuvers on HR of Healthy Dogs E. Coté Study to Assess Cardiovascular Risk and Evaluate Long Term Health in Feline HCM P. Fox	Effect of Diet on Progression of HCM in Cats L. Freeman Overview of Potential Human Factors Contributing to Training in Veterinary Medicine A. McLaughlin	REFRESHMENT BREAK - VISIT EXHIBIT HALL	Genetic Polymorphisms in Canine and Feline RAS Genes Angiotensin I-Converting Enzyme, Angiotensinogen and Angiotensin Receptor 1 K. Meurs Association of Dilated Cardiomyopathy with Striatin Mutation Genotype in Boxer Dogs K. Meurs	Microdose CT Cardiac Angiography in Normal Cats R. O'Brien Breeding Program to Reduce Prevalence of Myxomatous MVD in Cavalier King Charles Spaniels L.H. Olsen
Neurology Comprehensive Reviews Rooms 608-609	Rodent SCI Models and Their Application to Dogs J. Levine	Use of Hyperbaric Oxygen Therapy in Small Animal Medicine D. Levitan		From Cats to Children: Treating Nieman-Pick Type C in Multiple Species C. Vite	Spinal MRI: Clinical and Research Applications ♦ R. da Costa
Neurology Research & Review Rooms 617-618	Temporal Evaluation of Pathological and Ultrastructural Features in Canine Centronuclear Myopathy G. Walmsley Is Apoptosis Present in the Spinal Cord of Dogs with Cervical Spondylomyelopathy? R. da Costa	Recovery from Spinal Cord Injury: A Treadmill Based Scoring System N. Olby Biceps Reflex in the Dog S. Loderstedt		Hereditary Polyneuropathy in Alaskan Malamutes - Phenotype and Genotype of Historical and Recent Cases K. Jäderlund Prednisone as a Solo Immunosuppressant in Dogs with Presumptive Meningoencephalitis of Unknown Etiology H. Barnes Heller	Rehabilitation and the Neurologic Patient S. Steinberg
Oncology Review and Research Room 2A	Comparative Oncology: Where Are We Now and What Challenges Lie Ahead? M. Paoloni Variability T Cell FOXP3 Expression in Affected Lymph Nodes of Dogs with Multicentric B Cell Lymphoma O. Garden	Comparison of Serum Doxorubicin Levels After DEB Chemoembolization Techniques C. Weisse Low Stores of 25-Hydroxyvitamin D in Dogs and Its Association with Increased Cancer Risk C. Sharp		Antiproliferative and Proapoptotic Effects of Dual PI3K/mTOR Inhibition with PWT32976 in Canine Lymphoma D. Thamm Pegylated Arginine Deiminase in the Dog from Benchtop to Cageside C. Rodriguez	Evaluation of Tavocept, Piroxicam and Cisplatin for Canine Transitional Cell Carcinoma of the Urinary Bladder C. Henry
Oncology Comprehensive Reviews Room 2B	Chemotherapy for Malignant Mammary Carcinoma T. Moore	Immunodysfunction and How to Modify It S. Axiak-Bechtel		Chemotherapy Clash: Maximum Tolerated Dose vs. Metronomic Protocols T. Mutsaers	Canine Osteosarcoma Outcomes with Sequential Doxorubicin - Carboplatin Chemotherapy A. Frimberger
One Medicine Rooms 618-619	One Medicine in Disasters: Haiti Earthquake ♦ K. Crowdis	One Medicine in Military Medicine: US Army Public Health Command ♦ K. Havas		One Medicine on the Battlefield: Clinical Practice Guidelines for Military Working Dog Emergency Care by Human Health Care Providers ♦ M. Takara	One Medicine in the Exam Room ♦ L. Kidd

♦ ERC approved lecture for ACVIM Residency requirements.




Friday afternoon sessions continued on next page.

SCIENTIFIC SESSION DESCRIPTIONS

FRIDAY
JUNE 14

AFTERNOON SESSIONS (continued)

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	2:10 – 3:00 pm	3:10 – 4:00 pm		4:25 – 5:15 pm	5:25 – 6:15 pm
SAIM Research Focus Rooms 613 - 614	Postnatal Development of the Canine Fecal Microbiome J. Suchodolski Metagenomic Analysis of the Effect of Withholding Food on the Small Intestinal Microbiome of Healthy Dogs J. Suchodolski	A Year-Long Prospective, Randomized, Double-Masked Study of Nutrition on FIC J. Kruger Endoscopic Nephrolithotomy for Complicated Nephrolithiasis in 9 Dogs and 1 Cat A. Berent		Development of Cut-Off Concentrations After Intravenous Isohexal and Creatine Injection to Predict Filtration Rate in Cats D. Paepe Stem Cell Therapy Blunts CT Measures of Airway Remodeling in Experimental Feline Asthma I. Masseau	Transmission of <i>Bartonella Henselae</i> to Puppies by Exposure to <i>Ctenocephalides Felis</i> Allowed to Feed on <i>Bartonella Henselae</i> -Infected Cats M. Lappin A LIPL32 Based ELISA for the Detection of <i>Leptospira</i> Specific Antibody in Canine Serum R. Goldstein
ASVCP Room 201	Canine Major Acute Phase Proteins: Biochemistry and Physiology M. Kjelgaard-Hansen 	Canine Major Acute Phase Proteins: Clinical Applications M. Kjelgaard-Hansen 		Liver Cytology: Critical Approach L. Sharkey	Pancreatic Cytology L. Sharkey
AVHTM Room 6A	Blood Typing and Crossmatching Prior to Transfusion A. Abrams-Ogg	Storage-Related Changes in Packed Red Blood Cells J. Herring		Massive Transfusions M. McMichael	Febrile, Non-Hemolytic Transfusion Reactions S. Smith
ISCAID Rooms 606-607	FIP: Pathogenesis and Testing Controversies A. Kipar 	Regressive Feline Leukemia Virus Infections: What Do They Mean? K. Hartmann 	REFRESHMENT BREAK - VISIT EXHIBIT HALL	Feline Herpesvirus-1: Antiviral Drugs from Bench-top to Clinic D. Maggs 	Cytazoonosis A. Birkenheuer 
Liver Study Group Room 6B	Gut Barrier Function and Liver Disease C. McClain	Micronutrients and Liver Disease C. McClain		Nutritional Consideration of Canine Patients with Hepatobiliary Disease D. LaFlamme	Dietary Management of Select Hepatobiliary Conditions in Dogs V. Biourge, C. Outerbridge
VECCS Room 6C	Feline Hypotension: Improving Cardiac Output and Systemic Vascular Resistance C. Byers	Risk Factors and Measurement for Intra-Abdominal Hypertension in Dogs and Cats C. Byers		Colloid Therapy and Concentrated Albumin Transfusions L. Powell	Canine Hypotension: Assessment and Therapeutic Interventions L. Powell
AAEP Clinical Workshop Room 611	Electrocardiographic Diagnoses: Are We Trying Hard Enough? G. van Loon	Is Lactate Monitoring Valid for Performance Testing in Horses? M. Vengust		Equine Cytology: A Clinical Workshop A. Stewart, K. Mitchell	Why Foals Don't Gallop in Utero: Transition of Fetal Consciousness and Maladjustment Syndrome J. Madigan
Equine Research Focus Room 612	Ingestion of Hypoglycin A in Seeds of the Box Elder Tree Causes Seasonal Pasture Myopathy S. Valberg Inhaled Corticosteroids and Antigen Avoidance in Heaves: A Yearlong Study M. Leclerc	Umbilical Artery Lactate Values in Foals at Birth B. Barr		Cyclophilin B and Lysyl-Hydroxylase-1 Interaction in Homo- and Heterozygous QH with HERDA Mutation J. Bowser Intravenous Technetium-99m Liposomes Accumulate in Lamellar Tissue During Laminitis Onset C. Underwood	Lamellar IGF-1 Receptor Signaling in a Model of Endocrinopathic Laminitis J. Belknap Evaluation of an Omega-3 Fatty Acid Containing Feed Supplement (Aleira) in the Management of Horses N. Nogradi
FAIM Post-Graduate Course Room 615	Brain and Brainstem Diseases of Feedlot Calves: From Videos to Histopathology C. Graham, M. Lévy	Diseases of the Cerebellum and Spinal Cord of Feedlot Calves C. Graham, M. Lévy		VAC® Therapy: A New Approach to Wound Care in Food Animal Cases S. Genova	Diagnosis and Management of Hyperkeratotic Skin Lesions in Camelids S. Taylor
FAIM Comprehensive Reviews Room 620	SOTA: Infectious Diarrhea in Children: A Global Perspective M. Levine	SOTA: <i>Salmonella</i> Infection: Readjusting Dogma M. Levine		Emerging Issues in Gastrointestinal Disorders of Neonatal Calves P. Constable	Recent Advances in Oral Rehydration Therapy and Abomasal Disorders in Neonatal Calves P. Constable





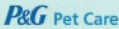
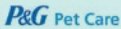
Saturday sessions continued on next page.

SCIENTIFIC SESSION DESCRIPTIONS

SATURDAY
JUNE 15

MORNING SESSIONS

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	8:00 – 8:50 am	9:00 – 9:50 am		10:30 – 11:20 am	11:30 am – 12:20 pm
Cardiology Research Focus Rooms 613-614	Sleeping and Resting Respiratory Rates in Dogs and Cats with Stable, Controlled, CHF M. Rishniw Atrial Depolarization Waves Localization on Surface ECG in Dogs with Supraventricular Arrhythmias R. Santilli	Results of the UK Cavalier King Charles Breeding Program: 1991 – 2010 S. Swift Musculoskeletal Disorders in Veterinary Echocardiographers K. MacDonald		Analysis of the Feline Arterial Thromboembolism: Clopidogrel vs. Aspirin Trial (Fat Cat) D. Hogan Effect of Atenolol on Quality of Life, Activity and Cardiac Biomarkers in Cats with Apparently Asymptomatic Hypertrophic Cardiomyopathy T. DeFrancesco	Prospective Evaluation of NT-PROBNP, High Sensitivity Troponin I, PDK4 for the Detection of Occult DCM in 225 Doberman Pinschers S. Gordon Sudden Death in English Springer Spaniels with Prolonged QT Intervals and a Substitution Mutation in the KCNQ1 Gene W. Ware
Cardiology Comprehensive Reviews Rooms 618-619	The Fire Within: The Role of Inflammation in Cardiovascular Health and Disease S. Cunningham	Transcatheter Valve Replacement: The Human Experience and the Veterinary Horizon G. Kramer		Top Ten Treatment Tips for Feline Heart Disease: Feeding and Pharmacology L. Freeman, J. Rush	Obesity is Linked to Heart Abnormalities in Humans: What About Dogs? D. Schwartz
Neurology Post-Graduate Course Room 611	Case-Based Small Animal Neuroanatomic Lesion Localization, Therapy and Outcome A. de Lahunta	Case-Based Small Animal Neuroanatomic Lesion Localization, Therapy and Outcome A. de Lahunta		Case-Based Small Animal Neuroanatomic Lesion Localization, Therapy and Outcome A. de Lahunta	Case-Based Small Animal Neuroanatomic Lesion Localization, Therapy and Outcome A. de Lahunta
Oncology Comprehensive Reviews Room 612	Treatment of Head and Neck Tumors Using New Radiation Therapy Modalities S. LaRue	Advances in Radiotherapy Treatment of Neurological Tumors S. LaRue		TCC Laser Ablation: The TAMU Experience A. Cook	Tumor Ablation with Irreversible Electroporation J. Rossmeisl
SAIM Communication Skills Room 6B	Cognitive Biases in Ethical Decision Making J. Smith	The Power of an Apology: Disclosing Medical Errors J. Smith		Nonverbal Communication: Tricks of the Trade L. Garrett	Dealing with High Maintenance Owners L. Garrett
CGS Rooms 606-607	Protein Losing Enteropathy in Humans J. DiBaise	Diagnosis of PLE S. Hill Critical Care Aspects of Canine PLE: The Criticalist and Internist Perspective D. Chan		Management of Canine PLE: The Criticalist and Internist Perspective S. Hill Best of Recent PLE Literature J. Dandrieux	Nutritional Aspects of Canine PLE: The Criticalist and Internist Perspective D. Chan, N. Parnell
SAIM Clinical Workshop Room 6A	Feeding the Cat with Endocrine Disease M. Peterson 	New Developments in Diagnostic Testing for Thyroid Disease in Cats M. Peterson 		New Developments in the Use of Insulin Mixtures and Analogues for the Problem Diabetic M. Peterson 	Pitfalls in the Management of Idiopathic Hypercalcemia in Cats M. Peterson 
VECCS Room 609	Assessing Cerebral and Peripheral Tissue Oxygenation with Near Infrared Spectroscopy S. Boysen	Assessing Tissue Perfusion in Shock and Sepsis with Dark Field Side-Stream Microscopy S. Boysen		How to Use Pleural, Lung and Pulmonary Vascular Pressures Clinically L. Rozanski	Useful Biomarkers in the ER L. Rozanski
AAVN / ACVN (SA) Room 608	Leucine and Calcium Modulation of Adiposity and Body Weight M. Zemel	Leucine Modulation of Insulin Sensitivity, Metabolic Syndrome and Metabolic Disease Risk M. Zemel		Does Vitamin D Play a Role in Canine Heart Disease and Cancer? J. Wakshlag 	Nutraceutical Use in Canine Cancer: Friend or Foe? J. Wakshlag 

BREAK - VISIT EXHIBIT HALL

Saturday morning sessions continued on next page.

SCIENTIFIC SESSION DESCRIPTIONS

**SATURDAY
JUNE 15**

MORNING SESSIONS *(continued)*

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	8:00 – 8:50 am	9:00 – 9:50 am		10:30 – 11:20 am	11:30 am – 12:20 pm
SAIM Comprehensive Reviews Room 6C	Diagnosis IMHA: The Coombs' Test U. Giger IDEXX LABORATORIES	The Platelet as an Immune Effector S. Smith		Aspirin Resistance: What do we Really Know? J. Thomason	Transfusion Related Babesiosis: Is it a Real Issue? A. Mackin
Equine Research Focus Room 620	Comparison of Assay Results for Measurement of Plasma Adrenocorticotropin Concentration H. Schott II ACTH Concentrations in Ill Horses During Hospitalization A. Stewart	Regulation of Glucose Transport During Equine Hyperinsulinamia M. de Laat Serum Free Cortisol Fraction and Insulin Concentration in Normal and Obese Horses, and Horses with PPID K. Hart	BREAK - VISIT EXHIBIT HALL	Effect of Smartgut® Ultra on Gastric Ulcer Scores and Gastric Juice pH in Horses F. Andrews Once Daily Trimethoprim-Sulphadimidine Does Not Improve Healing of Glandular Gastric Ulceration in Horses Receiving Omeprazole B. Sykes	Reduction Beta2 Toxin Gene Expression of C. Perfringens by Cell Free Supernatant of 4 Lactobacillus Strains and Bifidobacterium Animals SSP Lactis A. Schoster Rapid Salmonella Detection in Fecal and Veterinary Hospital Environmental Samples Using Available Lateral Flow Antigen Detection Systems B. Burgess
VCRS (Equine) Room 615	CT as a Diagnostic Modality for Pulmonary Disease K. Lascola	Endotoxin and the Pulmonary System: Where are we Now? K. Lascola		Molecular Phenotypes in Equine Inflammatory Airway Disease R. Leguillette	Using History and Questionnaires to Enhance Diagnosis of Respiratory Disease R. Leguillette
FAIM Clinical Workshop Room 617	The 5 Best Food Animal Medicine Papers of 2012 ♦ P. Constable	The Other 5 Best Food Animal Medicine Papers of 2012 ♦ G. Smith		Sonographic Assessment of the Abdomen in Cattle C. Gerspach	Ultrasonography for Diagnosis of Bovine Cardiorespiratory Disease S. Buczinski
Business Management Room 616	Creating Value Between Referral Practices and rDVM's R. Brogdon, K. Felsted CareCredit	Communicating Value Between Referral Practices and rDVM's R. Brogdon, K. Felsted CareCredit		Creating Value Between Referral Practices and Pet Owners R. Brogdon, K. Felsted CareCredit	Communicating Value Between Referral Practices and Pet Owners R. Brogdon, K. Felsted CareCredit

♦ ERC approved lecture for ACVIM Residency requirements.

Saturday afternoon sessions continued on next page.

SPECIALISTS IN PRIVATE PRACTICE LUNCHEON AND PROGRAM

FRIDAY, JUNE 14

11:30 am – 1:00 pm
WSCC – Room 6A

Sponsored by:



A Dialogue for Marketing the Future

Participate in an open dialogue with the ACVIM concerning future marketing plans for Specialists in Private Practice. Results from the Corona Survey and two Animal Survivor stories will be presented. Key issues concerning marketing, tools for Specialists in Private Practice and other topics will be discussed by a special panel.



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SCIENTIFIC SESSION DESCRIPTIONS

SATURDAY
JUNE 15

AFTERNOON SESSIONS

All sessions are located in the Convention Center
CE = Each 50-minute session = 1 CE Credit

	2:10 – 3:00 pm	3:10 – 4:00 pm	4:25 – 5:15 pm	5:25 – 6:15 pm
Cardiology/ Equine Clinical Workshop Rooms 618-619	Treatment of Common Arrhythmias: How and When to Treat G. van Loon	Exercise Induced Changes in the Equine Athlete's Heart – Does the Clinical Have to Bother? R. Buhl	Valvular Disorders of Equine Athletes E. van Erck	Assessing the Functional Impact of Cardiovascular Disorders in the Field E. van Erck
Neurology Comprehensive Review Room 611	Advancements in the Diagnosis of Cerebrovascular Disease in Dogs and Cats L. Garosi	Cyberknife Radiosurgery: 5 Years' Experience J. Berg	Diagnosis of Feline and Canine Myopathies G.D. Shelton	Diagnosis of Feline and Canine Neuropathies G.D. Shelton
Oncology Post-Graduate Course Room 612	Medical, Surgical & Radiation Oncology: Diagnosis and Management of Mast Cell Tumors S. Boston, M. Turek, P. Woods	Medical, Surgical & Radiation Oncology: Diagnosis and Management of Histiocytic Sarcomas S. Boston, M. Turek, P. Woods	Medical, Surgical & Radiation Oncology: Diagnosis and Management of Nasal Tumors S. Boston, M. Turek, P. Woods	Medical, Surgical & Radiation Oncology: Diagnosis and Management of Melanoma S. Boston, M. Turek, P. Woods
SAIM Post-Graduate Course Room 6B	A Joint Effort: Complementary and Alternative Management of Osteoarthritis C. Cross	A Joint Effort: Nutraceutical Management of Osteoarthritis D. Raditic	A Joint Effort: Nutritional Management of Osteoarthritis J. Bartges	A Joint Effort: Pharmacologic Management of Osteoarthritis T. Martin-Jimenez
ABVP Post- Graduate Course Rooms 606-607	Heart Disease in Cats: Signs, Diagnosis and Treatment J. Stern	Canine and Feline Cushing's Disease C. Ward	Feline Platelet Disorders M. Brooks	Update on Heartworm Disease C. Atkins
SAIM Clinical Workshop Room 6A	Feline Asthma 2013 Diagnosis and Therapy P. Padrid	Feline Pleural Effusion Diagnosis and Treatment P. Padrid	Canine Chronic Bronchitis P. Padrid	Feline Chronic Nasal Disease P. Padrid
SAIM Post- Graduate Course Room 6C	Fecal Bacteriotherapy J. Weese	Understanding Bacterial Biofilms J. Weese	Establishing an Infection Control Culture: Why and How? M. Anderson	Getting the Upper Hand: Hand Hygiene in Veterinary Clinics M. Anderson
ASVCP Room 608	Thrombin Generation: Principles C. Bedard	Thrombin Generation: Clinical Applications in Veterinary Medicine C. Bedard	Thromboelastography: Can it Replace Traditional Hemostasis Testing D. Wood	Clinical Application of TEG in Dogs and Cats D. Wood
SAIM Comprehensive Reviews Room 609	Hematemesis: Not as Easy as First Thought M. Willard 	Protein-Losing Enteropathies: Not What You Might Expect M. Willard 	Cobalamin Deficiency in Cats: Etiology, Diagnosis and Treatment K. Simpson	Laboratory Diagnosis of Pancreatitis in Dogs and Cats P. Xenoulis 
Equine Comprehensive Review Room 620	Equine Postoperative Ileus: Are we on the Right Track? N. Hudson	Colonic Acidosis in Horses: Diagnosis, Treatment and Prevention F. Andrews	Nutritional Support in the Dysphagic Horse J.S. Kritchevsky, B. Toth	The Compensatory Anti-inflammatory Response in Horses I. Johns
Equine Comprehensive Review Room 615	The Diagnostic Possibilities of Quantitative Needle Electromyographic Examination I. Wijnberg	Pathophysiology of Equine Exertional Rhabdomyolysis R. Piercy	Equine Collapse: Causes and Diagnostic Approach N. Hudson	Vitamin E Supplementation in Horses with Neuromuscular Disorders C. Finno
ACVN / AAVN (FA) Room 617	Omega 3 Fatty Acids in Cattle: Changing the Product and Changing the Bovine? W. Swecker, Jr	Trace Element Supplementation of Cattle: By Needle or By Mouth? W. Swecker, Jr	Immune Suppression at Calving: Why? The Role of Metabolic Disorders J. Goff	Macromineral Problems of Ruminants: Latest Issues and How to Fix Them J. Goff
Business Management Room 616	Online Marketing: Craft the Message M. Warren	Effective Veterinary Websites: Showcase the Message M. Warren	Veterinary Search Engine Marketing: Position the Message M. Warren	Social Media 101: Share the Message M. Warren

TECHNICIAN EVENTS

LUNCHEONS

THURSDAY, JUNE 13

12:30 – 2:00 pm
WSCC – Rooms 4C-1 & C2

Sponsored by:



Pet's Ideal Weight:

Do you Need to Guess Anymore?

Presented by: Kara M. Burns, MS, MEd, LVT, VTS (Nutrition)

Finding the pet's ideal body weight may have been a guessing game. New tools will help you to identify your patient's body fat index to help manage the ideal weight of your overweight and obese pets and find the 'true pet within'!

FRIDAY, JUNE 14

12:30 – 2:00 pm
WSCC – Rooms 4C-1 & C2

Sponsored by:

Elanco

Strategies for Success: The Latest Data on Parasiticide Performance in the Field

Presented by: Jacqueline Nelson, DVM, DACVB, Elanco Senior Technical Consultant

- Learn how two of the top selling flea products performed in a clinical field trial on dogs with established flea infestations, including how the products compared in:
 - % of flea free dogs
 - % reduction in flea counts
 - % reduction in itching
- Establish a clinical understanding of how spinosad works for the prevention and treatment of flea infestations

SATURDAY, JUNE 15

12:30 – 2:00 pm
WSCC – Rooms 4C-1 & C2

Sponsored by:



The Technician Gap: Trends in Compensation, Value and Retention for Veterinary Specialty and Emergency Technicians

Presented by: Susanne Miller, Executive Manager BlackwellKing Veterinary Change Consultants

What you can expect to learn:

- What are the trends in compensation?
- Qualitatively speaking, how are practices valuing their technical staff?
- What does the data suggest about retention?

TECHNICIAN RECEPTIONS

WEDNESDAY, JUNE 12

5:30 – 6:30 pm
WSCC – Rooms 4C-1 & C2

Sponsored by:



Private Event:

AIMVT/AVNT Reception & Technician Cases Presentation Awards

FRIDAY, JUNE 14

6:00 – 8:00 pm
WSCC – Rooms 4C-1 & C2

Sponsored by:



TECHNICIAN LOUNGE

THURSDAY, JUNE 13 – SATURDAY, JUNE 15

9:30 am – 5:30 pm
WSCC – Room 401

Sponsored by:



TECHNICIAN PROGRAM - SCIENTIFIC SESSIONS

THURSDAY, JUNE 13 – SATURDAY, JUNE 15

WSCC – Rooms 4C-3 & 4C-4

Sponsored by:



WEDNESDAY | **JUNE 12**

All sessions are located in the Washington State Convention Center

CASE REPORTS

1:30 - 2:30 pm	4C-4	Canine Nasal Aspergillosis	C. Schwake, RVT, VTS (SAIM)
	4C-4	Immunoglobulin Used to Treat Myasthenia Gravis in a Dog	D. Weber, RVT
	4C-4	Use of the Continuous Glucose Monitor in a DKA Patient	E. Carlson, CVT
2:30 - 3:30 pm	4C-4	Hemangiosarcoma and Acute Lymphocytic Leukemia	H. Breining, CVT
	4C-4	Reverse PDA: Pinky Lee's Story	J. West, BA, LVMT
	4C-4	Treatment of Mycotic Rhinosinusitis with Clotrimazole Infusion via Frontal Sinus Trephination	J. McDonell RVT, VTS (SAIM)
4:00 - 5:00 pm	4C-4	Cystoscopic Guided Laser Ablation of Ectopic Ureters	J. Commons, BS, RVT
	4C-4	A Case of Feline Hyperadrenocorticism: Crushing Cushing's	L. Price, AAS, LVMT
	4C-4	Lou: The Polycythemic Addisonian	M. Hall, RVT, LVT, CVT, VTS (SAIM)
5:00 - 5:20 pm	4C-4	Zinc Toxicity: Abe Lincoln and his Trip with Dudley	T. Moyers, LVMT

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TECHNICIAN PROGRAM

THURSDAY | JUNE 13

 Sponsored by:  **Nestlé PURINA** **SCIENTIFIC SESSIONS**

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:50 am	4C-3	A Technicians Guide to Equine Fungal Infections	A. Stewart, DVM
9:00 - 9:50 am	4C-3	Understanding Testing for Equine Endocrinopathies	A. Stewart, DVM
10:30 - 11:20 am	4C-3	Equine Clostridial Diseases	S. Taylor, DVM
11:30 am - 12:20 pm	4C-3	Hypocalcemia and Abomasal Emptying Defect in Ruminants	M. Ackerman, DVM
8:00 - 8:50 am	4C-4	Canine Urinary Incontinence: Let's Fix the Leak	A. Callens
9:00 - 9:50 am	4C-4	Endocrinopathies: Happening Hormones	C. Ketchum
10:30 - 11:20 am	4C-4	Diabetes Insipidus: Pathophysiology, Diagnostics, and Treatment	C. Ruderman
11:30 am - 12:20 pm	4C-4	Protein Losing and Enteropathy: Pathophysiology, Nutrition, and the Technician's Role	C. Ruderman
2:10 - 3:00 pm	4C-3	Pulmonary Hypertension Review	A. Saunders, DVM
3:10 - 4:00 pm	4C-3	The Cardiac Physical Exam: How to Interpret What You Hear	W. Rausch, DVM
4:25 - 5:15 pm	4C-3	Body Cavity Centesis: Review of Centesis Techniques for the Pleural, Pericardial, and Abdominal Cavities	H. Durham
5:25 - 6:15 pm	4C-3	The Nuts and Bolts of Pacing Therapy in Small Animal Practice	A. Estrada, DVM
2:10 - 3:00 pm	4C-4	DKA Advanced Nursing Care	M. Kerl, DVM
3:10 - 4:00 pm	4C-4	Coagulopathies Involving Primary Hemostasis	K. Waddell
4:25 - 5:15 pm	4C-4	Pets and Immunocompromised Owners	J. Weese, DVM
5:25 - 6:15 pm	4C-4	The Approach to the Respiratory Emergency	S. Marks, DVM

 Sponsored by:  **Nestlé PURINA** **WORKSHOPS**

TIME	ROOM #	SESSION	SPEAKER
2:00 - 4:00 pm	4C-1 & C-2	Equine Massage for Veterinary Technicians	L. Michelin
7:30 - 9:30 pm	4C-3	Achieving VTS: Internal Medicine, Cardiology, Neurology, Oncology or Nutrition	L. Merrill

JOIN US FOR THE ANIMAL SURVIVOR MEDIA EVENT

THURSDAY, JUNE 13 9:50 – 11:00 am
 WSCC – Room 310

The Animal Survivor video series honors amazing animal survivors who beat the odds because of advances in veterinary internal medicine. With the help of their owners, a general practitioner, and an ACVIM Board-certified Veterinary Specialist, these animals overcame life-threatening illnesses to lead a healthy life once again. Each animal has a unique story of survival made possible by specialty veterinary internal medicine. The Animal Survivor program is an initiative of the American College of Veterinary Internal Medicine (ACVIM), whose mission it is to enhance animal and human health by advancing veterinary internal medicine through training, education, and discovery, and the ACVIM Foundation. Learn more at www.WeAreAnimalSurvivors.org


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A 7 year old male Border Collie who survived a neurological condition.



JACKSON

A 10 year old male neutered Border Collie Mix who survived Anal Sac adenocarcinoma.



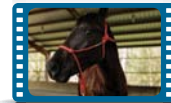
LUCY

A 9 year old female, Jack Russell Terrier who survived numerous internal medicine conditions.



OBIE

A 4 year old male neutered Golden Retriever that had a rostral squamous cell carcinoma.



Q

A 1 year old Rocky Mountain horse who overcame Lawsonia intracellularis.

 To learn more and submit your Animal Survivor, visit www.WeAreAnimalSurvivors.org

TECHNICIAN PROGRAM

FRIDAY | JUNE 14

Sponsored by:  Nestlé PURINA **SCIENTIFIC SESSIONS**

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:50 am	4C-3	Going with the Flow: An in-Depth Look at CSF	K. Munana, DVM
9:00 - 9:50 am	4C-3	Neurological Disorders of the Geriatric Dog	K. Munana, DVM
11:30 am - 12:20 pm	4C-3	Updates on Inflammatory CNS Disease, Diagnosis and Treatment	C. Mariani, DVM
8:00 - 8:50 am	4C-4	Diagnostic Testing and its Applications	M. Ackerman
9:00 - 9:50 am	4C-4	Handling and Submission of Diagnostic Samples	T. Gull, DVM
11:30 am - 12:20 pm	4C-4	Acid Base Status from the Metabolic Aspect	K. Waddell
2:10 - 3:00 pm	4C-3	Electroporation in Veterinary Medicine: Riding the Electrical Waveform	E. Spugnini, DVM
3:10 - 4:00 pm	4C-3	The Persistent and Pesky Problem of Feline Injection Site Sarcomas	K. Hume, DVM
4:25 - 5:15 pm	4C-3	Urinary Tract Cancer: Diagnostic and Treatment Options	A. Callens
5:25 - 6:15 pm	4C-3	Osteosarcoma: How to Spare the Limb	S. Axiak-Bechtel, DVM
2:10 - 3:00 pm	4C-4	Cachexia in the Chronically Ill Patient	A. Wortinger
3:10 - 4:00 pm	4C-4	Benefits of Fish Oils and Fatty Acids in Cardiac Patients with Valvular Disease	K. Burns
4:25 - 5:15 pm	4C-4	Weight & Obesity: Impacts on Disease	V. Ograin
5:25 - 6:15 pm	4C-4	Nutritional Management of Patients with Vomiting and Diarrhea	A. Wortinger

Sponsored by:  Nestlé PURINA **WORKSHOPS**

TIME	ROOM #	SESSION	SPEAKER
8:00 - 10:00 am	213	ECG Analysis & Interpretation	M. St. John, K. Wiley
10:30 am - 12:30 pm	213	Feeding Tubes and Maintenance and Advanced Nutritional Calculations	K. Burns

SATURDAY | JUNE 15

Sponsored by:  Nestlé PURINA **SCIENTIFIC SESSIONS**

TIME	ROOM #	SESSION	SPEAKER
8:00 - 8:50 am	4C-3	Making the Most of Cytology in Your Practice	L. Garrett, DVM
9:00 - 9:50 am	4C-3	PQRST: What Does it Mean to You and Me?	K. Wiley
10:30 - 11:20 am	4C-3	Cardiovascular Diagnostics to Differentiate Between Cardiac and Non-Cardiac Emergencies	J. MacGregor, DVM
11:30 am - 12:20 pm	4C-3	Fluoroscopy for Cardiac Patients: Preparation, Monitoring, and Diagnoses	J. MacGregor, DVM
8:00 - 8:50 am	4C-4	Protecting the Team: Chemotherapy Safety in Veterinary Medicine	JA Impellizeri, DVM
9:00 - 9:50 am	4C-4	Chemotherapy: Mechanisms and Toxicities	S. Axiak-Bechtel, DVM
10:30 - 11:20 am	4C-4	Chemotherapy Options for Carcinomas and Sarcomas in Pets	A. Moore, DVM
11:30 am - 12:20 pm	4C-4	Not Just a Job and More than an Adventure	H. Durham
2:10 - 3:00 pm	4C-3	Shake, Rattle and Roll: Recognition of Movement Disorders	T. Pancotto, DVM
3:10 - 4:00 pm	4C-3	Brain-Friendly Anesthesia: The Ins and Outs of TIVA	J. Weber
4:25 - 5:15 pm	4C-3	Electroencephalography in the Neurologic Diagnostic Toolbox	C. Weaver
5:25 - 6:15 pm	4C-3	A Critical Review of Zombies in the Arts: Neuroanatomy, Neurophysiology, and Neuropathology	C. Vite, DVM
2:10 - 3:00 pm	4C-4	IBD: Diagnostics and Diagnosis	R. Poulin
3:10 - 4:00 pm	4C-4	IBD: Treatment, Therapy, Secondary Conditions and Prognosis	R. Poulin
4:25 - 5:15 pm	4C-4	B-Harmony: Are You the Right Type for Me? Blood Component Compatibility	K. Yagi
5:25 - 6:15 pm	4C-4	SOTA: Vascular Access in Human Dialysis Patients	L. Ball

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

SMALL ANIMAL – CARDIOLOGY PROGRAM

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
9:00 am	C-1	609	Atrial Septal Pacing in Small Dogs: A Pilot Study	Ashley Jones
9:15 am	C-2	609	Evaluation of Pacing Site on Left Ventricular Synchronization Using Two-Dimensional (2D) Speckle Tracking Strain	Ivan Sosa Samper
9:30 am	C-3	609	Radiofrequency Catheter Ablation of Accessory Pathways in 58 Dogs	Dawn Webber
			BREAK	
10:30 am	C-4	609	Long Term Follow-Up After Radiofrequency Ablation in 20 Cases of Orthodromic Atrioventricular Tachycardia in UK Dogs	Valentina Palermo
10:45 am	C-5	609	The Role of Acetylcholine and the Sinoatrial Voltage and Calcium Clocks in the Beat-To-Beat Distribution of the Canine Sinus Node	Fred Brewer
11:00 am	C-6	609	Decreased Right Ventricular Systolic Function in Dogs with Myxomatous Mitral Valve Disease	Lisbeth Hoeier Olsen
11:30 am	C-7	609	Serotonin Markers in Porcine Model of Chronic Mitral Valve Regurgitation	Signe Cremer
11:45 am	C-8	609	Serial Evaluation of Biomarkers in Advanced Canine Chronic Degenerative Valvular Disease	Justin Carlson
12:00 pm	C-9	609	Phosphodiesterase 5A Polymorphisms and their Functional Effects in Dogs	Joshua Stern
			BREAK	
2:10 pm	C-10	611-612	Effect of Low-Dose Imatinib Therapy for Pulmonary Arterial Hypertension and Hemodynamic Disturbance Caused by Chronic Heart Failure in Dogs	Yoshiaki Hikasa
2:25 pm	C-11	611-612	Multicentered Investigation of NT-proBNP Point-Of-Care Elisa Assay to Detect Moderate to Severe Occult (Asymptomatic) Feline Heart Disease	Maggie Machen
2:40 pm	C-12	611-612	NT-proBNP Measured in Pleural Fluid Differentiates Cardiac from Non-Cardiac Causes of Pleural Effusion In Cats	Melanie Hezzell
3:10 pm	C-13	611-612	Effects of Dexmedetomidine on The Echocardiogram and Circulating Cardiac Biomarker Concentrations of Normal Cats	Etienne Cote
3:25 pm	C-14	611-612	Determining the Responsiveness of the Cats' Assessment Tool for Cardiac Health (Catch) Questionnaire	John Rush
3:40 pm	C-15	611-612	Outcome of 174 Ragdoll Cats Tested for the MYBPC3 Mutation	Kieran Borgeat
			BREAK	
4:25 pm	C-16	611-612	Bioanalytical Method Validation of a Second-Generation Immunoassay for the Quantification of N-Terminal Pro-B-Type Natriuretic Peptide in Feline Blood	Celine Mainville
4:40 pm	C-17	611-612	Use of a Myostatin Antagonist to Combat Cardiac Cachexia in Dogs with Congestive Heart Failure	Lisa M. Freeman
4:55 pm	C-18	611-612	An Update on Combined Cutting Balloon and High Pressure Balloon Valvuloplasty for Dogs with Severe Subaortic Stenosis	Mandi Kleman
5:25 pm	C-19	611-612	Detection of Circulating Microparticles in Dogs	Jordi Lopez-Alvarez
5:40 pm	C-20	611-612	Myocardial Performance Index in Doberman Pinschers with Dilated Cardiomyopathy	Gerhard Wess
5:55 pm	C-21	611-612	Comparison of the Alivecor® ECG Device for the iPhone with a Reference Standard Electrocardiogram	Marc Kraus

EQUINE

9:00 am	E-1	616	Assessment and Reliability of Measuring Microvascular Perfusion in Normal Adult Conscious Horses	Gayle Hallowell
9:15 am	E-2	616	Echocardiographic and ECG Findings in Horses with Experimentally Induced Endotoxemia	JoAnn Slack
9:30 am	E-3	616	Pharmacodynamics of 4 Angiotensin-Converting Enzyme Inhibitors in Horses	Tiago Afonso

Bolded Type Indicates ACVIM Resident Research Award Eligibility.

RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

EQUINE *(continued)*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
			BREAK	
10:30 am	E-4	616	Comparison of Two Immunoassays for Measurement of Serum I Insulin in Horses	Heidi Banse
10:45 am	E-5	616	Comparison of an Oral Sugar Test and Intravenous Insulin Tolerance Test to Characterize Horses with Equine Metabolic Syndrome	Nicholas Frank
11:00 am	E-6	616	Breed Differences in Insulin Responses to Oral and Intravenous Glucose in Horses and Ponies in Moderate Body Condition	Nicholas Bamford
			BREAK	
2:10 pm	E-7	616	Validation of a Minimal Model to Describe Non-Esterified Fatty Acid Kinetics in Horses Undergoing an Intravenous Glucose Tolerance Test	Nicholas Bamford
2:25 pm	E-8	616	Retrospective Analysis of Clinical Features and Prognostic Indicators in Hypertriglyceridemic Adult Equids (1997-2011)	Michelle Kneeland
2:40 pm	E-9	616	Plasma Adrenomedullin Concentration as a Predictor of Survival in Critically Ill Neonatal Foals	Balazs Toth
3:10 pm	E-10	616	Effects of Parenteral Antimicrobials on the Equine Fecal Microbiome Investigated by Next Generation Sequencing	Marcio Costa
3:25 pm	E-11	616	A Comparison Between Pre- and Post-Exercise Administration of Omeprazole in the Treatment of Egus	Ben Sykes
3:40 pm	E-12	616	A Comparison of Three Doses of Omeprazole in the Treatment of Gastric Ulceration in Thoroughbred Racehorses	Ben Sykes
			BREAK	
4:25 pm	E-13	616	Maternal T-Lymphocytes in Equine Colostrum	Gillian Perkins
4:40 pm	E-14	616	Clinical and Serologic Diagnosis of Besnoitiosis in Donkeys	SallyAnne Ness
4:55 pm	E-15	616	Interrater Reliability of the Equine Neurologic Examination	Emil Olsen
5:25 pm	E-16	616	Temporal Trends in Prevalence and In-Vitro Antimicrobial Susceptibility Patterns of Bacteria Isolated from Septic Foals: 1979 – 2010	Mathijs J.P. Theelen
5:40 pm	E-17	616	Pharmacokinetics of Intravenous and Nebulized Liposome-Encapsulated Gentamicin Sulfate in Foals	Alexandra Burton
5:55 pm	E-18	616	Association Between Exercise-Induced Pulmonary Haemorrhage and Career Performance in Thoroughbred Race Horses	Stacey Sullivan

FOOD ANIMAL

11:30 am	F-1	616	Use of the Physicochemical Approach to Characterize Acid-Base Abnormalities in 264 Calves with Naturally Acquired Diarrhea	Diego Gomez
11:45 am	F-2	616	Comparison of Five Quantitative Different Methods for Estimating Plasma Unmeasured Anions and their Correlation with L-Lactate, and Determination of the Predictive Value of L-Lactate for Mortality in 20 Diarrheic Calves	Diego Gomez
12:00 pm	F-3	616	Investigation of the Relationship Between Metabolic Strong Ion Acidosis and Demeanour in 264 Calves with Neonatal Diarrhea	Diego Gomez
			BREAK	
3:10 pm	F-4	615	Validation of Ultrasound Imaging Technique of Tympanic Bulla for Diagnosis of Otitis Media in Calves	Véronique Bernier Gosselin
3:25 pm	F-5	615	Genotypic Characterization of Staphylococcus Chromogenes Isolated from Cases of Bovine Mastitis	Pamela Fry
3:40 pm	F-6	615	Cerebrospinal Fluid Findings in Normal and Confirmed Cases of Otitis Media in Calves	Carolyn Gara-Boivin
			BREAK	
4:25 pm	F-7	615	Risk Factors and Prognostic Indicators for Does and Kids in Pregnancy Toxemia: a Retrospective Study of 56 Cases	Katharine Simpson

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

FOOD ANIMAL *(continued)*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
4:40 pm	F-8	615	Evaluation of Serum Vitamin E and Cholesterol Levels in Alpacas	Andi Lear
4:55 pm	F-9	615	Arsenic Toxicosis in Cattle: Meta-Analysis of 156 Cases and Identification of Factors for a Positive Outcome	François R. Bertin
5:25 pm	F-10	615	Development of Bacteremia in the Pedal Circulation Following Regional Intravenous Perfusion of 2% Lidocaine in Cattle with Deep Digital Sepsis	Katharine Simpson
5:40 pm	F-11	615	Ultrasonographic Progression of Lung Consolidation After Experimental Infection with <i>Mannheimia Haemolytica</i> in Holstein Calves	Theresa Ollivett
5:55 pm	F-12	615	Evaluation of Haptoglobin in Exhaled Breath Condensate of Holstein Calves Following Experimental Infection with <i>Mannheimia Haemolytica</i>	Roland Schubotz

SMALL ANIMAL – NEUROLOGY

9:00 am	N-1	606-607	Quantitative Assessment of HSP70, IL-1β and TNF-α in Spinal Fluid and Spinal Cord Sections of Dogs With Histopathologically Confirmed Degenerative Myelopathy and Control Dogs	Mathew Lovett
9:15 am	N-2	606-607	Clinical Progression of Canine Degenerative Myelopathy	Shinichi Kanazono
9:30 am	N-3	606-607	Mesenchymal Stem Cell Injection into the Spinal Cord of 2 Dogs with Degenerative Myelopathy: A Phase 1 Toxicity Trial	Sam Long
			BREAK	
10:30 am	N-4	606-607	Clinical and Imaging Findings Associated with Brain Herniation in Dogs and Cats	Melissa Lewis
10:45 am	N-5	606-607	Intramedullary Spinal Cord Neoplasia in 53 Dogs (1990-2010): Incidence, Phenotype, and Clinical Behavior	Theresa Pancotto
11:00 am	N-6	606-607	Investigation of Molecular Signaling Pathways in Canine Primary Gliomas	Elizabeth Boudreau
11:30 am	N-7	606-607	Muscular Dystrophy in Japanese Spitz: Description of the Mutation and Carrier Detection Using Polymerase Chain Reaction	Sabela Atencia
11:45 am	N-8	606-607	A Comparison of Combination Therapy (Prednisone Plus Cytosine Arabinoside) with Prednisone Therapy Alone in Dogs With Meningoencephalomyelitis of Unknown Etiology	Maria Oliveira
12:00 pm	N-9	606-607	MIP-3 β /CCL19 Associated with the Invasion of Mononuclear Cells in Neuroinflammatory and Non-Neuroinflammatory Diseases in Dogs	Janina Bartels
			BREAK	
2:10 pm	N-10	206	Acute Distemper Virus Infection Reduces ROS Generation of Ex Vivo Cultivated Canine Monocytes	Maren Martin
2:25 pm	N-11	206	Joint-Associated Cervical Spondylomyelopathy: 27 Cases (2000-2012)	Joy Delamaide Gasper
2:40 pm	N-12	206	Morphometric Magnetic Resonance Imaging Features of the Cervical Vertebral Column of Great Danes With and Without Clinical Signs of Cervical Spondylomyelopathy	Paula Martin-Vaquero
3:10 pm	N-13	206	Morphologic Magnetic Resonance Imaging Features of the Cervical Vertebral Column of Great Danes With and Without Clinical Signs of Cervical Spondylomyelopathy	Paula Martin-Vaquero
3:25 pm	N-14	206	Cervical Disc Arthroplasty Using the Adamo Spinal Disc in 18 Dogs Affected by Disc Associated Wobbler Syndrome	P. Filippo Adamo
3:40 pm	N-15	206	Evaluation of Two Methods of Surgical Stabilization of the Atlantoaxial Joint	Kelli Kopf
			BREAK	
4:25 pm	N-16		Withdrawn	
4:40 pm	N-17	206	Heparan Sulfate Proteoglycan Gene Expression and Inflammation in the Cerebral Cortex Following Lung Injury	Jessica Snyder

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

SMALL ANIMAL – NEUROLOGY *(continued)*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
4:55 pm	N-18	206	Determination of Stability and Storage Parameters for Optimal Detection of Creatine Kinase and its Isoenzymes in Canine Serum and Cerebrospinal Fluid	Amanda Brenna
5:25 pm	N-19	206	Activity and Distribution of Lactate Dehydrogenase and its Isoenzymes in the Serum and Cerebrospinal Fluid of Healthy Canines	Jennifer Houle
5:40 pm	N-20	206	Primary Hematomyelia in Three Dogs	Andrew Barker
5:55 pm	N-21	206	Combined Dorsal and Ventral Stabilisation in Traction Responsive Cervical Spondylomyelopathy	Daniele Corlazzoli

SMALL ANIMAL – ONCOLOGY

2:10 pm	O-1	205	Investigating Zoledronate Induction of Apoptosis and Combination with Chemotherapy Against Osteosarcoma (<i>VCS Award Winner</i>)	Sharon Shor
2:25 pm	O-2	205	Neutrophil Function in Dogs with Lymphoma Treated with Chemotherapy	Brooke Fowler
2:40 pm	O-3	205	CK2 Inhibition in Feline Cancer Cells Using Synthetic Oligonucleotides	Claire Cannon
3:10 pm	O-4	205	The Influence of Surviving Inhibition on Inhibitory Activity Against Canine Histiocytic Sarcoma Cell Lines	Hiroki Yamazaki
3:25 pm	O-5	205	Significance of A Diagnostic Approach by Using Surface Antigen mRNA Expression Analysis in 8 Dogs with Histiocytic Sarcoma	Satoshi Takagi
3:40 pm	O-6	205	Electro-Gene-Transfer (EGT) as a New Tool for Cancer Immunotherapy in Animals	Joseph Impellizeri
			BREAK	
4:25 pm	O-7	205	Relationship Between Systemic Inflammatory Response (CRP and HP) and Local Inflammatory Response (COX-2 Expression) in Canine Mammary Tumours	Marta Planellas
4:40 pm	O-8	205	The Effects of Sulforaphane on Neoplastic Cell Proliferation and Death	Vanessa Rizzo
4:55 pm	O-9	205	Targeting Lymphoid Progenitor Cells in Canine B-Cell Lymphoma Using Neoadjuvant ABCB1 Transporter Inhibition and Doxorubicin Chemotherapy	Daisuke Ito
5:25 pm	O-10	205	Relationship Between Age and Malignant and Benign Splenic Masses in Dogs: 50 Cases (2009-2012)	Vanessa Serratore
5:40 pm	O-14	205	Effects of Crizotinib on Canine Osteosarcoma Migration and Invasion	Justine Gullaba
5:55 pm	O-12	205	Effects of Sequential Combination Chemotherapy on The Fecal Microbiome in Dogs with Lymphoma	Maude Touret

SMALL ANIMAL – ENDOCRINOLOGY**

9:00 am	EN-1	608	Pasireotide (SOM230) Opens Doors to Medical Management of Feline Hypersomatotropism	Stijn Niessen
9:15 am	EN-2	608	Ectopic Sublingual Thyroid Neoplasia in the Dog: 25 Cases (1995-2012)	Michael Broome
9:30 am	EN-3	608	Use of L-Thyroxine Supplementation after Radioiodine Therapy Helps Blunt the Worsening of Azotemia in Hyperthyroid Cats with Pre-existing Kidney Disease	Michael Broome
			BREAK	
10:30 am	EN-4	608	Investigation of the Pathophysiological Mechanism for Altered Calcium Homeostasis in Hyperthyroid Cats	Tim Williams
10:45 am	EN-5	608	Eight Novel Polymorphisms Identified in the Feline Calcium Sensing Receptor in Cats with Varying Plasma Ionised Calcium Concentrations	Rebecca Geddes
11:00 am	EN-6	608	Stereotactic Radiation Therapy for Canine Pituitary Dependent Hyperadrenocorticism	Jessica Timian
11:30 am	EN-7	608	Comparison of Diagnostic Tests and Treatment Options for Feline Hyperadrenocorticism: A Retrospective Review of 32 Cases	Suzy Valentin

** Also see Small Animal Endocrinology Abstracts EN-11 – EN-12, Friday, June 14, 9:15 am – 9:50 am.

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

SMALL ANIMAL – ENDOCRINOLOGY** (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
11:45 am	EN-8	608	In Vitro Elevation of Mean Corpuscular Volume as a Marker for Serum Hyperosmolality in Dogs	Jennifer Reinhart

SMALL ANIMAL – ENDOCRINOLOGY** / GASTROENTEROLOGY

2:10 pm	EN-10	204	Urinary and Plasma Catecholamine and Metanephrine in Dogs with Pheochromocytoma, Hyperadrenocorticism and in Healthy Dogs (<i>ESVE Award Winner</i>)	Elena Salesov
2:25 pm	GI-1	204	Effect of Pancreatic Biopsy on Serum Concentrations of Feline Pancreatic Lipase Immunoreactivity	Joerg Steiner
2:40 pm	GI-2	204	Evaluation of Serum Spec fPL™ and 1,2-O-Dilauryl-RAC-Glycero-3-Glutaric Acid (6'-Methylresorufin) Ester (DGGR) Lipase in 40 Cats with Standardized Pancreatic Histopathological Assessment	Samuel Oppliger
3:10 pm	GI-3	204	Evaluation of Canine Pancreas-Specific Lipase (Spec cPL®) Concentration and, Amylase and Lipase Activities in Peritoneal Fluid as Complementary Diagnostic Tools for Acute Pancreatitis in Dogs	Marie Chartier
3:25 pm	GI-4	204	Association Between Chronic Pancreatitis and Dog Leucocytes Antigen Haplotypes in the English Cocker Spaniel	Julien Bazelle
3:40 pm	GI-5	204	Agreement of Serum Spec fPL™ with Pancreatic Ultrasonographic Findings in Cats with Suspicion of Pancreatitis	Samuel Oppliger
			BREAK	
4:25 pm	GI-6	204	Evaluation of the Effect of Oral Cisapride on Lower Esophageal Sphincter Pressure in Awake Dogs Using High-Resolution Manometry	Jennifer Kempf
4:40 pm	GI-7	204	Evaluation of the Fecal Microbiota in Dogs with Idiopathic Inflammatory Bowel Disease Before and After Treatment	Yasushi Minamoto
4:55 pm	GI-8	204	Fecal Microflora and Fecal Score in Cats Following Dietary Therapy for Chronic Diarrhea  Nestlé PURINA	Ziad Ramadan
5:25 pm	GI-9	204	Mortality in Fosterage Kittens is Associated with a Shift from Ileum Mucosa-Associated <i>Enterococcus Hirae</i> to Colonization by <i>E. Faecalis</i> and Enteropathogenic <i>E. Coli</i>	Jody Gookin
5:40 pm	GI-10	204	Feasibility of Confocal Endomicroscopy for In Vivo Histologically-Equivalent Evaluation of Gastric Mucosal Topologic Morphology in Clinically Healthy Dogs	Mellora Sharman
5:55 pm	GI-11	204	Inter and Intra-Observer Agreement in the Endoscopic Assessment of Canine Inflammatory Bowel Disease	Jennifer Slovak

** Also see Small Animal Endocrinology Abstracts EN-11 – EN-12, Friday, June 14, 9:15 AM – 9:50 AM.

SMALL ANIMAL – HEPATOLOGY

9:00 am	HP-1	204	Thromboelastographic Evaluation of Dogs with Congenital Portosystemic Shunts	Denise Kelley
9:15 am	HP-2	204	A Retrospective Study of the Causes and Prognostic Indicators in Dogs that Meet Hy's Law Criteria (2005-2012)	Annie Wayne
9:30 am	HP-3	204	Hepatic Copper and Zinc Concentrations in Feral Dogs Versus Dogs Fed a Commercial Diet	Allison Bradley

SMALL ANIMAL – HEMATOLOGY

10:30 am	HM-1	204	Rivaroxaban is an Efficient Anticoagulant in Healthy Dogs: Time Course of Haemostatic Parameters	Bérénice Conversy
10:45 am	HM-2	204	A Novel Canine Model of Immune Thrombocytopenia	Dana LeVine
11:00 am	HM-3	204	Thromboelastography in Dogs with Gastric Dilatation-Volvulus	Melissa Bucknoff
11:30 am	HM-4	204	Pregnancy is a Hypercoagulable States in Queens	Alycia Bille

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

SMALL ANIMAL – HEMATOLOGY *(continued)*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
11:45 am	HM-5	204	Effects of In-Vitro Hemodilution with Crystalloids, Colloids and Plasma on Canine Whole Blood Coagulation as Determined by Kaolin-Activated Thromboelastography	Bari Morris
12:00 pm	HM-6	204	Hemophilia A in 41 Dogs	Mary Aslanian

SMALL ANIMAL – INFECTIOUS DISEASE

9:00 am	ID-1	211	Preliminary Findings on Use of Spike Gene Mutations for Diagnosis of Feline Infectious Peritonitis (FIP)	Pramod Naranatt
9:15 am	ID-2	211	Advantages and Limitations of Serological and Molecular Panels for the Diagnosis of Vectorborne Infectious Diseases in Dogs	Adam Birkenheuer
9:30 am	ID-3	211	Bartonella Clarridgeiae Transmission among Cats Exposed to <i>Ctenocephalides Felis</i>	Michael Lappin
			BREAK	
10:30 am	ID-4	211	Influence of Clinical and Laboratory Variables on Fecal Antigen Elisa Results in Dogs with Parvovirus	Anna-Lena Proksch
10:45 am	ID-5	211	Concurrent <i>Mycobacterium</i> Abscesses Infection and Mammary Adenocarcinoma in a Cat: Is there a Connection?	Amr Mohamed
11:00 am	ID-6	211	Evaluation of an Outpatient Protocol in the Treatment of Canine Parvoviral Gastroenteritis	Karolina Preisner
11:30 am	ID-7	211	Video Observation of Infection Control Practices During Routine Appointments in Companion Animal Veterinary Clinics in Ontario, Canada	Maureen Anderson
11:45 am	ID-8	211	Histopathological Changes in the Skin Associated with Persistent Canine Granulocytic Anaplasmosis	Inese Berzina
12:00 pm	ID-9	211	Surveillance for Tick-Borne Pathogens in Military Working Dogs, Shelter Animals and Pet Populations in Colombia	A. Rick Alleman



SMALL ANIMAL – RESPIRATORY

2:10 pm	R-1	211	Assessment of Respiratory Dysfunction in Dogs with Golden Retriever Muscular Dystrophy: Arterial Blood Gas Analysis and Tidal Breathing Spirometry	Justin DeVanna
2:25 pm	R-2	211	Effect of Obesity on Pulmonary Function in Cats with Natural Bronchial Disease	Aparecido Camacho
2:40 pm	R-3	211	Assessment of Airway Hyper Responsiveness in Tandem with Remodeling Using Pulmonary Mechanics and Computed Tomography in Experimental Feline Asthma	Isabelle Masseau

SMALL ANIMAL – RESPIRATORY / IMMUNOLOGY

3:10 pm	R-4	211	Short Term Use of Mesenchymal Stem Cells Fails to Modulate BGA-Specific Airflow Limitation in Experimental Feline Asthma	Julie Trzil
3:25 pm	R-5	211	Validation of Direct And Indirect Bronchoprovocation Testing Using Ventilator-acquired Pulmonary Mechanics in Healthy and Experimentally Asthmatic Cats	Chee-hoon Chang

SMALL ANIMAL – IMMUNOLOGY

3:40 pm	IM-1	211	Age-Related Changes in Leukocyte Gene Expression and Cell Populations from Adult Cats  Nestlé PURINA	Rondo Middleton
4:25 pm	IM-2	211	Idiopathic Immune-Mediated Polyarthropathy in Dogs: A Pilot Study of Surrogate Markers of Disease	J. D. Foster
4:40 pm	IM-3	211	Age-Related Changes in Leukocyte Gene Expression from Adult Dogs  Nestlé PURINA	Rondo Middleton
4:55 pm	IM-4	211	Comparison of the Efficacy of Prednisone and Cyclosporine for Treatment of Canine Primary Immune-Mediated Polyarthritis	Amy Rhoades

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

THURSDAY, JUNE 13

SMALL ANIMAL – IMMUNOLOGY / OTHER

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
5:25 pm	IM-5	211	Stimulation with Concanavalin-A Induces IL-17 Production in Canine Peripheral T Cells	Michelle Ritt
5:40 pm	OT-1	211	Effect of Maropitant, Acepromazine and Electroacupuncture in the Prevention of Nausea and Vomiting Associated with Administration of Morphine in Dogs	Ronald Koh
5:55 pm	OT-2	211	Formulation of a Predictive Model to Correct Blood Glucose Concentrations Obtained Using a Veterinary Point-of-Care Glucometer in Anemic and Hemoconcentrated Canine Samples	Selena Lane

SMALL ANIMAL – NEPHROLOGY / UROLOGY

9:00 am	NU-1	400	The Effect of Sample Storage Media, Refrigeration, and Time on Urine Culture Accuracy in Canine Urine Experimentally Inoculated with Known Bacterial Quantities	Kimberly Yore
9:15 am	NU-2	400	Evaluation of the Accutest Uriscreeen for Detection of Bacteriuria and Pyuria in Dogs and Cats	Heather Kvitko-White
9:30 am	NU-3	400	Incidence and Prevalence of Asymptomatic Bacterial Urinary Tract Infections in Healthy, Older Cats	Joanna White
9:45 am	NU-4	400	Changes in Systolic Blood Pressure Over Time in Cats with Chronic Kidney Disease	Esther Bijmans
			BREAK	
10:30 am	NU-5	400	Comparison of Urine And Bladder or Urethral Mucosal Biopsy Culture Obtained by Transurethral Cystoscopy, in Dogs with Chronic Lower Urinary Tract Disease: 41 Cases (2002-2011)	Kate Sycamore
10:45 am	NU-6	400	Interventional Renal-Sparing Treatment of Obstructive Pyonephrosis in Canine Patients	Jodi Kuntz
11:00 am	NU-7	400	Circumcaval Ureters in Twenty-One Cats	Joshua Steinhaus
11:15 am	NU-8	400	Serum Cobalamin, Folate, and Methylmalonic Acid Concentrations in Cats with Chronic Kidney Disease	Julie Pera
11:30 am	NU-9	400	Correlation of Symmetric Dimethylarginine with Glomerular Filtration Rate in Dogs with Chronic Progressive Renal Disease	Mary Nabity
11:45 am	NU-10	400	Evaluation of Neutrophil Gelatinase-Associated Lipocalin (NGAL) as a Biomarker of Urinary Tract Infection in Non-Azotemic Dogs	Evence Daure
12:00 pm	NU-11	400	Sequential Study of Urinary Proteins by Sodium Dodecyl Sulphate Polyacrilamide Gel Electrophoresis (SDS-Page) and Albumin-to-Creatinine Ratio in Dogs with Chronic Kidney Disease	Marcia Kogika

FRIDAY, JUNE 14

SMALL ANIMAL – PHARMACOLOGY


TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
8:00 am	P-1	617	Bioequivalence of Itraconazole Formulations in Healthy Dogs	Dianne Mawby
8:15 am	P-2	617	The Influence of Cefovecin on the Enantioselective Pharmacokinetics of Carprofen in Dogs	Kristen Messenger
8:30 am	P-3	617	Development of Diabetes Mellitus in Dogs Administered a Combination of Cyclosporine and Prednisone for Immune-Mediated Disease	Katherine Scott

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RESEARCH ABSTRACTS – ORAL PRESENTATIONS

FRIDAY, JUNE 14

SMALL ANIMAL – PHARMACOLOGY / OTHER

9:00 am	P-4	617	Hematological and Biochemical Profile in Cats with Alimentary Lymphoma at Time of Diagnosis	Valter Winkel
9:15 am	OT-3	617	Video Observation of Sharps Handling Behaviours in Companion Animal Veterinary Clinics in Ontario, Canada	Maureen Anderson
9:30 am	OT-4	617	Monitoring Cloudy Eye Progression by a Lens Cloudiness Grading Scale in Dogs 	Wei Wang

SMALL ANIMAL – NUTRITION / METABOLISM

8:00 am	NM-1	616	Effects of Chronic Caloric Restriction and Intermittent Caloric Restriction on Weight Loss in Overweight Cats 	Yuanlong Pan
8:15 am	NM-2	616	Can Body Composition in Dogs be Estimated From Photographs?	Alexander German
8:30 am	NM-3	616	Influence of a Nutraceutical in Treatment of Obesity in Research Beagles	Maryanne Murphy

SMALL ANIMAL – NUTRITION / METABOLISM / ENDOCRINOLOGY**

9:00 am	NM-4	616	Effect of a Low-Fat Diet on Serum Lipoprotein Profiles in Miniature Schnauzers with Primary Hyperlipidemia	Panagiotis Xenoulis
9:15 am	EN-11	616	Abdominal Ultrasound Findings in Acromegalic Cats	Bianca Lourenço
9:30 am	EN-12	616	Prevalence and Risk Factors for Hyperthyroidism in Irish Cats from the Greater Dublin Area	Barbara Gallagher

*** Also see Small Animal Endocrinology Abstracts EN-1 – EN-10, Thursday, June 13, 9:00 am – 2:25 pm.*

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RESEARCH ABSTRACTS – POSTER PRESENTATIONS

On Display:

Thursday, June 13 7:00 am – 7:00 pm
 Friday, June 14 7:00 am – 7:30 pm
 Saturday, June 15 7:00 am – 2:30 pm

Attended by ALL Authors Eligible for ACVIM Resident Research Awards:

Thursday, June 13 9:50 – 10:30 am
 Friday, June 14 9:50 – 10:30 am

Attended by ALL Authors – Wine & Cheese Reception:

Friday, June 14 6:00 – 7:30 pm

SMALL ANIMAL – CARDIOLOGY PROGRAM

#	ABSTRACT TITLE	PRESENTING AUTHOR
C-22	Time-Domain Heart Rate Variability in Dogs with Sepsis	Evandro Zacche
C-23	Use of Transesophageal ECG to Guide Placement of a Transesophageal Pacing Catheter to the Optimal Pacing Site	Robert Sanders
C-24	Evaluation of Serum Biomarkers of Collagen Turnover In Cats with Hypertrophic Cardiomyopathy	Erin Trageser
C-25	Vibration Effect on Interstitial Cells of the Canine Mitral Valve	Takuma Aoki
C-26	Effects of Catheter Shape, Electrode Size and Interelectrode Spacing on Transesophageal Atrial Pacing in Dogs	Emily Chapel
C-27	Biological Variability and Critical Change Values for Ultrasensitive Cardiac Troponin-I and NT-ProBNP are Lower in Dogs with Cardiac Disease than in Healthy Control Dogs	Craig Ruaux
C-28	Influence of Beta Blockers on Survival in Dogs with Severe Subaortic Stenosis	Bryan Eason
C-29	Comparative Study of Arterial Blood Pressure Obtained By Different Non-Invasive Methods in Non-Sedated New Zealand White Rabbits	Aparecido Antonio Camacho
C-30	Influence of R-R Interval Variations on the Degree of Mitral Regurgitation in Dogs with Myxomatous Mitral Valve Disease	Maria Reimann
C-31	Evaluation of NT-Pro-Brain Natriuretic Peptide (NT-ProBNP) as a Prognostic Indicator of Short-Term Outcome in Cats with Heart Failure	Philip Fox
C-32	Cardiac Biomarkers in Hyperthyroid Cats	Jodi Sangster
C-33	Effect of Ivabradine, a Novel if Current Inhibitor, on Dynamic Obstruction of the Left Ventricular Outflow Tract in Cats with Preclinical Hypertrophic Cardiomyopathy: A Single-Dose Study	Keith Blass
C-34	Development of Systemic Hypertension After Administration of Toceranib Phosphate (Palladia®) in Dogs (2010-2012)	Lauren Markovic
C-35	Bioanalytical Method Validation of a Second-Generation Immunoassay for the Quantitation of NT-ProBNP in Canine Blood	Roberta Cahill
C-36	Safety of Oral Administration of Spironolactone in Cats with Heart Failure: Interim Results of the Seisicat Study	Rachel James
C-37	New Radiographic Measurements of Left Atrial Size in Dogs with Degenerative Mitral Valve Disease: Preliminary Study	David Prandi
C-38	N-Terminal Pro B-Type Natriuretic Peptide Concentration in Dogs with Right-Sided Heart Failure	Nobuyuki Kanno
C-39	Chocardiographic Assessment of Cardiac Dimensions and Systolic Function During Canine Puerperium	Pablo Batista
C-40	High-Dose Pimobendan in the Treatment of Refractory Heart Failure in Dogs	Marisa Ames
C-41	Pharmacokinetic Evaluation of a Delayed-Release Procainamide Preparation in Dogs	Justin Thomason
C-42	Cardiac Biomarker Profiles in Dogs with Pericardial Effusion	Erin Trageser
C-43	Long-Term Clinical Benefits of Physiologic VDD Pacing Versus Nonphysiologic VVI Pacing in Dogs with High-Grade Atrioventricular Block	Jonathan Lichtenberger
C-44	The Effect of the GP IIb/IIIa Antagonists Abciximab and Eptifibatide on Platelet Aggregation in Healthy Cats	Aliya Magee
C-45	Utility of Circulatory Neurohormones, Cardiac Biomarkers, and Pro-Inflammatory Cytokines in Prediction of Congestive Heart Failure in Canine Myxomatous Mitral Valve Disease	Jung-Hyun Kim
C-46	Balloon Valvuloplasty of Tricuspid Valve Stenosis: A Retrospective Study of 5 Labrador Retrievers	Geri Lake-Bakaar

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RESEARCH ABSTRACTS – POSTER PRESENTATIONS

SMALL ANIMAL – CARDIOLOGY PROGRAM *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
C-47	Evaluation of the Role of Tick-Borne Disease in 25 Cases of High Grade Second Degree or Complete Atrioventricular Block in Dogs	Timothy Hodge
C-48	Transcatheter Tricuspid Valve Replacement (TTVR) in Dogs with Tricuspid Dysplasia	George Kramer
C-49	Analytical Validation of a Commercially-Available High- Sensitivity Immunoassay for the Measurement of Serum Cardiac Troponin I Concentrations in Dogs	Randolph Winter
C-50	Conventional and Tissue Doppler Derived Indices in Prediction of Congestive Heart Failure in Canine Myxomatous Mitral Valve Disease	Jung-hyun Kim
C-51	Issue Doppler Evaluation in Non-Sedated Rabbits During Doxorubicin Treatment	Fabio Gava
C-52	Characterization and Clinical Significance of Ventricular Premature Complexes in Irish Wolfhounds	Kacie Schmitt
C-53	Use of Alivecor Heart Monitor for Rate and Rhythm Evaluation in Cats	Joao Orvalho
C-54	Analysis of 5 Candidate Genes for Feline Hypertrophic Cardiomyopathy Mutations in the Sphynx Cat	Yamir Reina Doreste
C-55	Bronchoscopic Evaluation of Airway Collapse in Large Breed Dogs with Cardiomegaly: 5 Cases	Jennifer Schneiderman
C-56	iPhone Wireless ECG Assessed Heart Rate is Better Correlated with Holter Monitor Assessed Rates than Routine In-Hospital Measures	Taylor Gwinn
C-57	QT IS Increased in Dogs with Heart Failure Secondary to Chronic Degenerative Mitral Valve Disease	Denise Schwartz
C-58	Partial Anomalous Pulmonary Venous Connection in 4 Miniature Schnauzers	Yoko Fujii
C-59	Measurement of Cardiac Troponin I in Healthy Dogs and Dogs with Degenerative Mitral Valve Disease, Congenital Heart Disease, Or Arrhythmias Using A High-Sensitivity Immunoassay	Randolph Winter
C-60	The Effect of Pimobendan on the Incidence of Cardiac Arrhythmias	Geri Lake-Bakaar
C-61	Pharmacological Profile of the Cardioactive Prototype Lassbio-897: A Preliminar Study of its Potential Vasodilatory Activity	Rosangela Carvalho
C-62	Doppler-Derived Maximum DP/DT in Diagnosis of Congestive Heart Failure in Canine Myxomatous Mitral Valve Disease	Jun-hwan Kim
C-63	Pharmacological Profile of the Cardioactive Prototypes Lassbio-294 and Lassbio-897: A Comparative Preliminar Study of their Metabolites' Effects on Myocardial Contraction	Rosângela Alves
C-64	Discrepancies in Identification of Left Atrial Enlargement Using Left Atrial Volume vs Left Atrial to Aortic Root Ratio	Sonya Wesselowski
C-65	Simple and Easy Mitral Valve Repair in Dogs	Takuma Aoki
C-66	Assessment of Left Atrial Size in Cats with Left-Sided Congestive Heart Failure	Karsten Schober
C-67	Prevalence, Survival Time and Prognostic Factors of Dogs with Acquired Valvular Heart Disease: A Retrospective Study of 170 Cases (2009-2012)	Hyun-ah Park
C-68	Hypertensive Cardiomyopathy in Dogs with Leishmania Infantum (Syn Chagasy)	Pedro Martinez

EQUINE

E-19	Echocardiographic Measurements in Normal Norwegian Cold Blooded Trotters and Associations with Age, Sex and Race Performance	Joann Slack
E-20	Risks Factors for Valvular Regurgitations in 3499 Equids: A Cross- Sectional Study	Aurelia Leroux
E-21	Orthogonal ECG Lead Y and Air Quality in Racehorse Stables	Clarence Kvart
E-22	Changes in Intestinal Mucosal Microvascular Perfusion Assessed Using Orthogonal Polarization Spectral Imaging in the Horse	Mark Bowen
E-23	Validation of Three Different Non-Invasive Devices to Assess Arterial Blood Pressure in Standing and Non-Sedated Horses	Evandro Zacche
E-24	Hyperinsulinaemia Downregulates Toll-Like Receptor 4 in the Equine Heart	Melody de Laat
E-25	Association of Hyperlactatemia with Aldosterone and Arginine Vasopressin Concentrations and Clinical Indicators of Hypoperfusion in Hospitalized Foals	Katarzyna Dembek

RESEARCH ABSTRACTS – POSTER PRESENTATIONS

EQUINE (continued)		
#	ABSTRACT TITLE	PRESENTING AUTHOR
E-27	Assessment of Compounded Thyrotropin Releasing Hormone for the Diagnosis of Pituitary Pars Intermedia Dysfunction in Horses	Nicholas Frank
E-28	Acupuncture and Herbal Medicine Used for the Treatment of Anhidrosis	Martha Mallicote
E-29	A Comparison of Two Doses Of Omeprazole in the Prevention of Squamous Egus: A Randomized, Blinded Study	Ben Sykes
E-30	Evaluation of Serum Folate, Cobalamin, and Methylmalonic Acid Concentrations in Horses with Equine Proliferative Enteropathy and Positive Titers for Lawsonia Intracellularis	Niels Grützner
E-31	Ventral Abdominal Pressures in Horses with Acute Colic Presenting to a Referral Hospital	Victoria Scott
E-32	Standardization of Experimental Small Colon Obstruction in Horses	Kamila Gravena
E-33	The Effects of Endotoxin on Viscoelastic and Standard Coagulation Parameters in Horses	Barbara Dallap Schaer
E-34	Colic Following Snake Envenomation in Horses	Jennifer Sonis
E-35	The Effect of Clopidogrel on Clinical, Cellular and Hemostatic Parameters During Experimental Endotoxemia in Horses	SallyAnne Ness
E-36	Intestinal Colonization of Newborn Foals Characterized by Next Generation Sequencing	Marcio Costa
E-37	Percutaneous Endoscopic Gastrostomy (PEG) Tube Placement in Horses	Balazs Toth
E-38	Effect of N-Butylscopolammonium Bromide on Enema Retention in Healthy Anesthetized Foals	Louise Husted
E-41	Activation of Toll-Like Receptor Signaling in Equine Hyperinsulinaemic Laminitis	Melody de Laat
E-42	Differences in Equine Pulmonary Immune Response to <i>Rhodococcus Equi</i> in Foals Versus Adults	Jessica Gilbertie
E-43	Leucocyte Cytokine Expression in Horses During an 80km Endurance Ride	Lina Gomide
E-44	Efficacy of Liposome-Encapsulated Gentamicin for the Treatment of <i>Rhodococcus Equi</i> in a Mouse Infection Model	Alexandra Burton
E-45	Equine Granulocytic Anaplasmosis and Lyme Disease Exposure in Horses in Canada	Gili Schwartz
E-46	Risk Factors for Environmental Contamination with <i>Salmonella Enterica</i> in a Veterinary Teaching Hospital	Brandy Burgess
E-47	Emerging Outbreaks Associated with Equine Coronavirus in Adult Horses	Nicola Pusterla
E-48	<i>Rhodococcus Equi</i> – A New Model for a Better Understanding of an Old Disease	Macarenas Sanz
E-49	Evaluation of a Nucleic Acid Hybridization Test (Genequence) for Identification of <i>Salmonella</i> Spp in Equine Feces and Environmental Samples	Bonnie Barr
E-50	Effects of Intravenous Polymyxin B Administration in an Endotoxin Model in Neonatal Foals	David Wong
E-51	Pooling of Feces and Environmental Samples Following a Selective Enrichment Culture Step for the Detection of <i>Salmonella</i> Spp by Real Time PCR	Nicola Pusterla
E-52	Prevalence and Strain Characterization of Methicillin Resistant <i>Staphylococcus Aureus</i> from Equine Nasopharyngeal and Guttural Pouch Wash Samples	Ashley Boyle
E-53	Environmental Survival of Equid Herpesvirus Type 1 (EHV-1)	Nadia Saklou
E-54	Verification of a <i>Streptococcus Equi</i> Detection Assay for Equine Nasopharyngeal and Guttural Pouch Washes Samples	Ashley Boyle
E-55	Clinical Signs, Neurobehavioral Score, and Electroencephalogram Recordings Associated with Infusion of a Pregnenolone Derivative to Induce Neonatal Maladjustment Syndrome	Krista Estell
E-56	Reduced Threshold Potential of the Trigeminal Nerve in Equine Headshaking	Monica Aleman
E-57	Biomechanics in Ataxic Horses	Krista Page
E-58	Treatment of Idiopathic Headshaking in the Horse with Pulsed High Dose Dexamethasone	Joy Tomlinson
E-59	Prevalence and Risk Factors Associated with Exertional Rhabdomyolysis in Australian Polocrosse Horses	Demelza Kingston
E-60	Lamellar Bioenergetics Studied using Tissue Microdialysis	Carlos Medina-Torres
E-61	Ultrafiltration of Equine Digital Lamellar Tissue	Claire Underwood
E-62	Optimisation and Characterization of a Conditionally-Immortalised Equine Skeletal Muscle Cell Line	Rosie Naylor

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RESEARCH ABSTRACTS – POSTER PRESENTATIONS

EQUINE (continued)

#	ABSTRACT TITLE	PRESENTING AUTHOR
E-63	Changes in Serum Proteins Concentrations in Horses Submitted to an 80km Endurance Ride	Lina Gomide
E-64	Mutational Analysis and Factor VIII Sequence in a Colt with Hemophilia A	Elaine Norton
E-65	Serum Protein Concentration in Horses After 160km, 120km and 80km Endurance Ride	Lina Gomide
E-66	Concentrations of Desfuroylceftiofur Acetamide after Weekly Administration of Ceftiofur Crystalline Free Acid to Adult Horses and Comparative Pharmacokinetics of the Drug After Intramuscular Versus Subcutaneous Administration	Lisa Fultz
E-67	Comparison of Meloxicam and Phenylbutazone on Lipopolysaccharide Induced Synovitis in Horses	Erin Lennox
E-68	Disposition of Levetiracetam in Healthy Adult Horses	Fernanda Cesar
E-69	Effect of Body Weight on the Pharmacokinetics of Flunixin Meglumine in Miniature Horses and Quarter Horses	Lara Maxwell
E-70	Low Efficacy of Wormers are not always a Chemoresistance Problem	Christophe Hugnet
E-71	Comparison of Radiographic And Computer Tomography Images of the Lung in Healthy Neonatal Foals	Eva-Christina Schliewert
E-72	The Effect of Chronic Clenbuterol Administration on Mucociliary Clearance and Repartitioning in Adult Horses	Ciara Barr
E-73	Comparison of the Efficacy and Side-effects of N-Butylscopolammonium Bromide and Atropine in the Treatment of Horses with Heaves	Maud De Lagarde
E-74	Preliminary Experiences with Continuous Positive Airway Pressure (CPAP) for Respiratory Insufficiency in Bovine and Equine Neonates	Sharanne Raidal

SMALL ANIMAL – NEUROLOGY

N-22	Therapeutic Serum Phenobarbital Levels in Cats	Katherine Finnerty
N-23	Kinetic and Kinematic Follow-Up Gait Analysis in Doberman Pinchers with Cervical Spondylomyelopathy Treated Medically and Surgically	Kari Foss
N-24	Inheritance of Cervical Spondylomyelopathy in Doberman Pinschers	Ronaldo da Costa
N-25	Magnetic Resonance Imaging Findings in a Canine Model of Intracerebral Hemorrhage	Byeong-Teck Kang
N-26	Determination of Stability and Storage Parameters for Optimal Detection of Lactate Dehydrogenase and its Isoenzymes in Canine Serum and Cerebrospinal Fluid	Jennifer Houle
N-27	Comparison of Non-Contrast Computed Tomography and Magnetic Resonance Imaging in the Evaluation of Great Danes with Cervical Spondylomyelopathy	Paula Martin-Vaquero

SMALL ANIMAL – ONCOLOGY

O-13	Expression of Adiponectin Receptor 1 in Canine Transitional Cell Carcinoma of the Urinary Bladder (VCS Award Winner)	Sarah Mcmillan
O-11	Strategies for Signal Blockade in Feline Oral Squamous Cell Carcinoma	Kevin Marley
O-15	Safety Evaluation of Systemic Administration with a New Photosensitizer in Normal Dogs	Hyun-jeong Sung

SMALL ANIMAL – ENDOCRINOLOGY

EN-13	Adrenocortical Response to Acth Stimulation Test in Dogs Naturally Infected by <i>Ehrlichia Canis</i>	Mariana Rondelli
EN-14	P450 Side-Chain Cleavage Enzyme Autoantibodies in Dogs With Recently Diagnosed Hypoadrenocorticism	Alisdair Boag
EN-15	Evaluation of Serum Adipokine Concentrations in Dogs with Naturally Occurring Pituitary-Dependent Hyperadrenocorticism	Jooyae Paek
EN-16	Qualitative Evaluation of Urinary Proteins by Sodium Dodecyl Sulphate Polyacrilamide Gradient Gel Electrophoresis (SDS-PAGE) During the Treatment of Dogs with Hyperadrenocorticism (HAC)	Marcia Kogika
EN-17	Evaluation of Circulating Levels of Cholecystokinin in Dogs with Naturally Occurring Pituitary-Dependent Hyperadrenocorticism	Hye-Sun Kim
EN-18	Dosing Obese Cats on a Per Kg Basis Affects Some Measures of Glucose Tolerance in a Glucose Tolerance Test	Mia Reeve-Johnson

RESEARCH ABSTRACTS – POSTER PRESENTATIONS

SMALL ANIMAL – ENDOCRINOLOGY *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
EN-19	Adrenal Gland Ultrasonography in Dogs with Hypoadrenocorticism	Remo Lobetti
EN-20	Evaluation of Thyroidstimulating Hormone, Total Thyroxine and Free Thyroxine Concentrations in 65 Hyperthyroid Cats Receiving Methimazole Therapy	Linda Martin
EN-21	Perfluorinated Compounds (PFCs) in Serum of Cats – Linkage to Indoor Exposures	Janice Dye
EN-22	Effects of Combined Administration of Cyclosporine and Prednisone on Serum Glucose Concentrations	Micah Bishop
EN-23	Diagnosis of Prediabetes in Cats: Cutpoints for Impaired Fasting Glucose and Impaired Glucose Tolerance in Cats 8 Years and Older Using Ear or Paw Samples and a Portable Glucose Meter Calibrated for Cats	Mia Reeve-Johnson
EN-24	Evaluation of a High Yield Technique for Pancreatic Islet Isolation from Dog Cadavers	Daniela Vrabelova
EN-25	Effects of Ketones and Lactate on Serum Tonicity Assessed Using a Canine Red Blood Cell Assay	Jennifer Reinhart
EN-26	Qualitative and Quantitative Evaluation of Urinary Proteins by S Odium Dodecyl Sulphate Polyacrilamide Gel Electrophoresis (SDS-PAGE) And Albumin-To-Creatinine Ratio in Dogs with Diabetes Mellitus	Cínthia Martorelli
EN-27	Mutations in Feline Arginine Vasopressin in Cats with Central Diabetes Insipidus	Jessica Wofford
EN-28	Investigation of Basal and Postprandial Hypertriglyceridemia and Insulin Resistance in Healthy Miniature Schnauzers	Viviani De Marco
EN-29	Therapy of Canine Hyperlipidemia with Bezafibrate	Viviani De Marco
EN-30	Distribution of K And L Cells in the Intestines of Normal Cats	Chen Gilor
EN-31	Peptide YY and Glucagon Like Peptide-1 in Lean and Obese Cats	Kevin Cosford



SMALL ANIMAL – GASTROENTEROLOGY

GI-12	Analytical Assessment of Serum Lipoprotein Profiles in Healthy Dogs and Dogs with Exocrine Pancreatic Insufficiency	Tomomi Minamoto
GI-13	Serum Homocysteine Concentrations in Dogs with Chronic Enteropathies	Nora Berghoff
GI-14	Cysteine Proteases of Feline <i>T. Foetus</i> Mediate Adhesion and Cytopathogenicity to Intestinal Epithelial Cells	Katie Tolbert
GI-15	Evaluation of the Abundance of <i>Blautia</i> Spp., <i>Fusobacterium</i> Spp., and <i>Faecalibacterium</i> Spp. in Feces from Dogs with Acute Hemorrhagic Diarrhea	Lake Guard
GI-16	Serum Soluble RAGE Concentrations are Decreased in Dogs with Idiopathic Inflammatory Bowel Disease	Romy Heilmann
GI-17	What is the Number of Daily Bowel Movements in Normal Privately-owned Dogs?	Olivier Dossin
GI-18	Expression of Claudins Protein in the Duodenal Mucosa from Dogs with Inflammatory Bowel Disease	Hiroshi Ohta
GI-19	Analytical Validation of a Commercially Available Radioimmunoassay Kit for the Measurement of Fecal Cortisol Concentrations in Dogs	Tim Kretzschmar
GI-20	Assessment of the Effect of a Novel Nutritional Supplement on the Fecal Microbiota in Healthy Dogs	Jörg Steiner
GI-21	Serotonin and Chromogranin-A Expression is Increased in the Small Intestine of Dogs with Inflammatory Bowel Disease	Candice Bailey
GI-22	Causes of Acute and Chronic Regurgitation in 43 Dogs (2010-2012)	Panpicha Sattasathuchana
GI-23	Confocal Endomicroscopic Evaluation of the Canine Colon	Mellora Sharman
GI-24	Feasibility of Confocal Endomicroscopy for in Vivo Histologically-equivalent Evaluation of Small Intestinal Mucosal Topologic Morphology in Clinically Healthy Dogs	Mellora Sharman
GI-25	Safety and Palatability of High Dose Probiotic (VSL#3) in Healthy Cats	Carly Waugh
GI-26	Assessment of Feasibility of WSAVA Gastrointestinal Standardization Group Template in Different Anatomical Regions of the Gastrointestinal Tract in 9 Healthy Cats	Jorge Castro Lopez
GI-27	Sucralfate Protects Against Acidinduced Gastric Mucosal Barrier Dysfunction	Tracy Hill

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RESEARCH ABSTRACTS – POSTER PRESENTATIONS

SMALL ANIMAL – GASTROENTEROLOGY (continued)

#	ABSTRACT TITLE	PRESENTING AUTHOR
GI-28	Preliminary Clinical and Microbiome Assessment of Stool Transplantation in the Dog and Cat	J. Scott Weese
GI-29	Bilious Vomiting Syndrome in Dogs: Retrospective Study of 20 Cases (2002 - 2012)	Leah Ferguson
GI-30	Temporal Effect of Ration Water Content on Plasma Concentrations of Glucose, Insulin, Lactate and Total Amino Acids in the Dog	Michael Katz
GI-31	Incidence of Histopathologic Inflammatory Bowel Disease in Dogs with Biliary Mucocele: A Retrospective Study (2004-2012)	Rachel Tulipan
GI-32	A Double-Blind, Placebo-Controlled Study of the Use of <i>Enterococcus Faecium</i> SF68 in Client-owned Dogs Receiving Doxorubicin Chemotherapy  Nestlé PURINA	Craig Ruaux
GI-33	Marked Increased Expression of Interleukin 8 in the Colorectal Mucosa of Dogs with Inflammatory Colorectal Polyps but not with Lymphocytic-Plasmacytic Colitis	Yu Tamura
GI-34	Qualitative and Quantitative Contrast Enhanced Ultrasonographic Assessment of Cerulein-Induced Pancreatitis in Dogs	Sue Yee Lim
GI-35	Agreement of the Serum Spec fPL and 1,2-O-Dilauryl-RAC-Glycero-3-Glutaric Acid (6'-Methylresorufin) Ester (DGGR) Lipase Assay for the Determination of Serum Lipase in Cats with Suspicion of Pancreatitis	Samuel Oppliger
GI-36	Effect of Serum Creatinine on Pancreatic Lipase Immunoreactivity in Dogs without Ultrasonographic Evidence of Pancreatitis	Anthony Abrams-Ogg
GI-37	A Pilot Study to Evaluate Circulating Levels of Resistin in Dogs with Acute Pancreatitis	Ill-Woo Lee
GI-38	Total Serum Lipase Activity for the Antemortem Diagnosis of Feline Pancreatitis	Anthony Abrams-Ogg
GI-39	Increased Fecal α 1-Proteinase Inhibitor Concentrations in Dogs with Exocrine Pancreatic Insufficiency	Joseph Cyrus Parambeth
GI-40	Ultrasound Evaluation of the Effects of Various Prokinetics Administered Intravenously on Gastric and Duodenal Motility in Healthy Dogs  Nestlé PURINA	Lauren Peterson

SMALL ANIMAL – HEMATOLOGY

HM-10	Effect of Low-Dose Aspirin or Heparin on Platelet-Derived Urinary Thromboxane Metabolite in Dogs with Immune-Mediated Hemolytic Anemia (IMHA)	Amber Stiller
HM-11	Use of Liposomal Clodronate to Facilitate Detection of Subclinical Infection with <i>Babesia Canis</i> in Greyhounds	Andrew Mackin
HM-12	Hematological Differences Between Dachshunds and Mixed Breed Dogs	Ahmira Torres
HM-13	The Effect of Platelet-Containing Products on Hemostasis in Dogs After Total Body Irradiation Induced Thrombocytopenia	Stephanie Istvan
HM-14	The Proteome of Canine Platelet: Insights on Its Physiologic and Pathologic Roles	Camilo Bulla
HM-15	Congenital Factor VII Deficiency in Papillon Dogs	Haruhiko Maruyama
HM-16	Effect of Duration of Packed Red Blood Cell Storage on Morbidity and Mortality in Dogs Following Transfusion	Lisa Hann
HM-17	Compatibility of Domestic Cat Blood with Non-domestic Felid Blood	Jennifer Stokes
HM-18	Evaluation of a Feline Blood Typing Device (Rapidvet®-H IC Feline)	Barbara Kohn
HM-19	Effect of Manual or Chemical (Medetomidine) Restrain on Red Blood Cells or Reticulocytes Count in Stray Cats	Sara Ravicini
HM-7	Complete Blood Cells and Reticulocytes Count in Cats with Intestinal Lymphoma	Jorge Castro Lopez
HM-8	The Prevalence of Anemia in Critically Ill Dogs And Cats: A Multi-institutional Study	Alex Lynch
HM-9	Use of a Novel 13-Gauge Needle for Bone Marrow Biopsy in Healthy Cat	Anthony Abrams-Ogg

SMALL ANIMAL – HEPATOLOGY

HP-4	Absence of PKD1 Point Mutation in Cats with Hepatofibrocystic Disease	Andrea Johnston
HP-5	Hepatocellular Carcinoma/Adenoma in 94 Dogs: Association with Vacuolar Hepatopathy and Adrenal Hyperactivity	Pedro Bento
HP-6	Evaluation of Cobalamin Status in Dogs with Hepatic Disease	Joanna Fry
HP-7	The Effect of 6-8 Weeks of Ursodeoxycholic Acid Administration on Biochemical Parameters and Bile Acids in Healthy Canines	Krysta Deitz
HP-8	A Comparison of Liver Biopsy Techniques in Dogs	Stephanie Kemp


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RESEARCH ABSTRACTS – POSTER PRESENTATIONS

SMALL ANIMAL – INFECTIOUS DISEASE

#	ABSTRACT TITLE	PRESENTING AUTHOR
ID-10	Evaluation for Associations Among <i>Coxiella Burnetii</i> and Reproductive Abnormalities in Cats	Madeline Fujishiro
ID-11	Canine Leptospirosis - A Statistical Evaluation of Serovars Predominantly Inducing Leptospiral Antibody Responses in 3907 Dogs	Doris Breu
ID-12	Urine Sediment Identification of <i>Blastomyces Dermatitidis</i> Organisms in Dogs with Confirmed Systemic Infection	Barrak Pressler
ID-13	Trends In Tick-Borne Disease Exposure in Dogs from the USA And Canada Determined by Species-Specific Peptide Assay	Barbara Quorllo
ID-14	Self-Reported Hand Hygiene and Glove Use Habits of Practicing Veterinarians	Sharon Hunt Gerardo
ID-15	Alpha-1 Acid Glycoprotein in Cats with Feline Infectious Peritonitis	Valter Winkel
ID-16	Vaccine-Associated <i>Leptospira</i> Antibody Responses in Client-Owned Dogs after a One Year Booster	Sara Wennogle
ID-17	Administration of SQ And Intranasal FHV-1 Containing Vaccines Concurrently is Superior to Use of a SQ Vaccine Alone in a One Week FHV-1 Challenge Model	Krystle Reagan
ID-18	Self-Reported Hand Hygiene Practices and Perceptions in Companion Animal Veterinary Clinics in Ontario, Canada	Maureen Anderson
ID-19	Clinical Trial to Assess the Efficacy of Ponazuril for the Treatment of Coccidiosis in Dogs and Cats	Annette Litster
ID-20	Evaluation for Associations Between <i>Bartonella</i> Species Antibodies and Azotemia in Client-Owned Cats	Sarah Shropshire
ID-21	<i>Leptospira Interrogans</i> Serovar <i>Hardjo-Prajipto</i> DNA in the Urine of a Cat in Colorado	Audra Fenimore
ID-22	Induction of Protective Antibody Titers in Shelter Dogs After Administration of a Vaccine Containing Recombinant Canine Distemper Virus and Modified-Live Canine Parvovirus	Cynda Crawford
ID-23	Serum Electrolyte Abnormalities in Complicated Canine Babesiosis	Remo Lobetti
ID-24	Comparison of Prevalence of Feline Leukemia And Immunodeficiency Viruses in Feral Cats on the San Francisco Peninsula, 2001-2003 and 2005- 2007	Charlotte Edinboro
ID-25	Correlation Among Histological Changes and the Presence of CD3+T ND CD79+B Lymphocyte with Antigens of <i>Leishmania Infantum</i> in Renal Tissue of Dogs with Visceral Leishmaniasis	Mary Marcondes
ID-26	Determination of <i>Bartonella Henselae</i> Quantitative PCR Assay Results in Blood Samples of Febrile and Afebrile Client-Owned Cats	Sukullaya Assarasakorn
ID-27	Accuracy of a Point-of-Care Immunoassay to Determine Protective Antibody Titers for Canine Parvovirus and Canine Distemper Virus	Cynda Crawford
ID-28	Tail Vaccination in Cats: Balancing Disease Protection and Cancer Treatment	Julie Levy
ID-29	In Vitro Interaction of Atovaquone and Proguanil Against <i>Babesia Gibsoni</i> and Efficacy of the Combination Therapy for Acute Canine Babesiosis	Aiko Iguchi
ID-30	Evaluation of Antibodies Response Against <i>Leptospira Interrogans</i> Serovars <i>Canicola</i> , <i>Icterohaemorrhagiae</i> and <i>Copenhageni</i> in Adult Dogs Revaccinated Annually with Commercial Vaccine	Mitika Hagiwara
ID-31	Evidence for Feline Immunodeficiency Virus, Feline Leukaemia Virus, <i>Bartonella</i> Spp, <i>Haemoplasmas</i> , and <i>Toxoplasma</i> Spp. Exposure in Singaporean Cats	Cathy Chan
ID-32	Prevalence of Infectious Diseases in Large-Scale Cat Hoarding Responses	Katherine Polak

SMALL ANIMAL – IMMUNOLOGY

IM-6	Increased Level of CD4+/CD25+/FOXP3+ Regulatory T Cells in the Eripheral Blood of 7 Dogs with Immune-Mediated Hemolytic Anemia	Dae-seung Baek
IM-7	Canine Sterile Neutrophilic Dermatitis in Dogs Resembling Sweet Syndrome and its Temporal Relation to Vaccination	Mitika Hagiwara
IM-8	Serial CD4+/CD25+/FOXP3+ Regulatory T Cell Changes in Canine Septic Model	Jun-hwan Kim
IM-9	Development & Validation of Novel Multiplex Assays for Feline Cytokines,  Nestlé PURINA Hormones & Adipokines	Ebenezer Satyaraj

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RESEARCH ABSTRACTS – POSTER PRESENTATIONS

SMALL ANIMAL – NUTRITION / METABOLISM

#	ABSTRACT TITLE	PRESENTING AUTHOR
NM-5	Mineral Composition of Water Induces Changes in Urine of Cats	Anna Salas Mani
NM-6	Lean Body Mass Increases, Body Fat Decreases During Weight Maintenance Following Weight Loss in Obese Dogs	Jen MacLeay
NM-7	Lean Body Mass Increases, Body Fat Decreases During Weight Maintenance Following Weight Loss in Obese Cats	Jen MacLeay
NM-8	Nutritional Status of Dogs Undergoing Caloric Restriction for Weight Loss for Selected Nutrients	Deborah Linder
NM-9	Increasing Dietary Protein Concentration from 15% To 30% in a One Year Study Increases Glomerular Filtration Rate and Reduces Creatinine and Symmetrical Di-Methyl Arginine	Lynda Melendez
NM-10	Foods with Controlled Protein and Phosphorus And Enhanced with Antioxidants Vitamin E and C Reduce Circulating Urea And Symmetrical Di-Methyl Arginine, and Increase Inosine in Dogs	Lynda Melendez

SMALL ANIMAL – NEPHROLOGY / UROLOGY

NU-13	Attenuation of the Pressor Response to Exogenous Angiotensin by Angiotensin Receptor Blockers in Normal Cats	Amanda Coleman
NU-14	Week-to-Week Variability of Iohexol Clearance, Serum Creatinine, and Symmetric Dimethylarginine in Dogs with Stable Chronic Renal Disease	Mary Nabity
NU-15	Evaluation of Hemostasis in 256 Dogs with Renal Disease	Thierry Francey
NU-16	Influence of Azodyl™ on Urea and Water Metabolism in Uremic Dogs	Kayo Kanakubo
NU-17	Validation of a Slow Dialysate Bypass Device (SDBD) Permitting Slow Hemodialysis Delivery on Intermittent Hemodialysis Platforms	Kayo Kanakubo
NU-18	Molecular Characterization and Quantitative PCR Analysis of Feline Gene Homologues Encoding Eicosanoid Biosynthetic Enzymes	John Kruger
NU-19	Survey of the Dietary and Medication Practices of Owners of Cats with Chronic Kidney Disease	Jessica Markovich
NU-20	Prevalence of Variant Alleles Associated with Protein-Losing Nephropathy in Soft Coated Wheaten Terriers	Meryl Littman
NU-21	LCMS Method Development and Validation for a Potential Chronic Kidney Disease Marker Symmetrical Dimethyl Arginine	Murthy Yerramilli
NU-22	Comparison of Plasma and Urinary Clearance of Exogenous Creatinine in Healthy Cats	Marc Massal
NU-23	Evaluation of an Esophago-Jejunal Feeding Technique in Dogs with Severe Acute Kidney Injury	Sandro Hinden
NU-24	Serum and Urine Neutrophil Gelatinase-Associated Lipocalin (NGAL) Concentration in Healthy Dogs and Dogs with Chronic Kidney Disease	Allison Cobrin
NU-25	Stability of SDMA (Symmetrical Dimethyl Arginine) in Canine and Feline Serum and Plasma	Murthy Yerramilli
NU-26	Efficacy and Adverse Effects of Lanthanum Carbonate in Cats	Melanie Hall
NU-27	Acute Kidney Injury Secondary to Lily Intoxication in 30 Cats	Ilaria Lippi
NU-28	Analytical Validation of the Particle-Enhanced Nephelometer for Cystatin C Measurement in Feline Serum and Urine	Liesbeth Ghys
NU-29	Urinary pH Affects Urinary Calcium Excretion but not Calcium Oxalate Relative Supersaturation in Healthy Cats	Yann Queau
NU-30	Efficacy and Adverse Effects of Nitrofurantoin Treatment of Urinary Tract Infections in Dogs and Cats	Barrak Pressler
NU-31	Percutaneous Fluoroscopic-Assisted Perineal Approach for Rigid Cystoscopy in 9 Male Dogs	Chick Weisse
NU-32	Diagnostic Accuracy of a Novel Point-Of-Care Urinary Culture Test in Dogs	Shelly Olin
NU-33	Development of Feline Cystatin C Enzyme-Linked Immunosorbent Assay Kit in Plasma and Urine, and its Clinical Significance	Fumio Hoshi
NU-34	Long-Term Safety of Estriol Tablets in Healthy Beagle Dogs	Cheyney Meadows
NU-35	Quantification of Selected Eicosanoid Metabolites in Urinary Bladders of Healthy Cats	John Kruger
NU-36	Urothelial Expression of Cyclooxygenases-1 (COX-1) and 2 (COX-2), and Lipoxygenase-5 (5-LOX) in Healthy Cats and Cats with Lower Urinary Tract Diseases	Lisa Singer
NU-37	Cystocentesis in Cats: Professional Practice Evaluation	Aurelien Perigaud

Bolded Type Indicates ACVIM Resident Research Award Eligibility.

RESEARCH ABSTRACTS – POSTER PRESENTATIONS

SMALL ANIMAL – NEPHROLOGY / UROLOGY *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
NU-38	Prevalence and Causes of Urine Specific Gravity ≤ 1.035 in Apparently Healthy Cats Presenting to First Opinion Practice	Mark Rishniw
NU-39	A Diagnostic Test for Feline Idiopathic Cystitis Based on Infrared Microspectroscopy	Ingrid Van Hoek
NU-40	Influence of Bladder Flushing on Duration of Catheterization, Hospitalization and Recurrence in Cats with Urethral Obstruction	Meghan Respass
NU-41	Evaluation of the Association Between Leptospire Species Antibodies and Azotemia in Client-Owned Cats	Sarah Shropshire

SMALL ANIMAL – OTHER

OT-5	Serum C Reactive Protein Concentrations in Dogs with Idiopathic Epilepsy	Silvia Lucas
OT-6	A Closer Medical Look at Cats Showing Inappropriate Urination: A Case-Control Study	Archivaldo Reche Junior
OT-7	Evaluation of Three Different Point-of-Care Tests for Quantitative Detection of Canine C-Reactive Protein	Barbara Kohn
OT-8	An Assessment of Routine Wellness Blood Testing in Companion Dogs	Kirsten Prosser
OT-9	Reproductive Capacity is Associated with Lifespan and Cause of Death in Companion Dogs	Kate Creevy
OT-10	Demography of Small Animal Clinical Cases in Egypt	Nashwa Waly
OT-11	An Assessment of Routine Wellness Blood Testing in Companion Cats	Kirsten Prosser
OT-12	Canines and Childhood Cancer: Examining the Effects of Animal-assisted Therapy for Children with Acute Lymphoblastic Leukemia, their Primary Caregivers, and Therapy Dogs	Kevin Morris
OT-13	Power of Genome-Wide Association Studies and Sequencing for Disease and Trait Gene Detection in Domestic Cats	Leslie Lyons
OT-11	An Assessment of Routine Wellness Blood Testing in Companion Cats	Kirsten Prosser
OT-12	Canines and Childhood Cancer: Examining the Effects of Animal-assisted Therapy for Children with Acute Lymphoblastic Leukemia, their Primary Caregivers, and Therapy Dogs	Kevin Morris
OT-13	Power of Genome-Wide Association Studies and Sequencing for Disease and Trait Gene Detection in Domestic Cats	Leslie Lyons

SMALL ANIMAL – PHARMACOLOGY

P-5	Oral, Subcutaneous and Intravenous Pharmacokinetics of Ondansetron in Healthy Cats	Jessica Quimby
P-6	Pharmacokinetics and Relative Bioavailability of D-Penicillamine in Fasted and Non-Fasted Dogs	Daniel Langlois
P-7	Determination of Serum Symmetric Dimethylarginine Reference Limit in Clinically Healthy Dogs	Virginia Rentko
P-8	A Randomised Controlled Masked Clinical Trial of a Novel Nutraceutical for Treatment of Osteoarthritis in the Dog	Ted Whitem
P-9	A Method for Detection and Quantitation of Plasma Levels of Pioglitazone after Oral Administration in Dogs	Sara Allstadt Frazier
P-10	Efficacy of Ivermectin Injection, Canaural Ear Drops and Frontline Combo in Treatment of Earmite Induced Otitis Externa in Cats	Maha Hamed

SMALL ANIMAL – RESPIRATORY

R-6	Comparison of Bronchoalveolar Lavage Aspiration Techniques in Healthy Dogs: Handheld Syringe and Suction Pump Aspiration	Katharine Woods
R-7	Evaluation of Minimally-Invasive Model of Autologous Blood Clot Pulmonary Thromboembolism in an Experimental Canine Model	Min Hee Kang
R-8	Severed Endotracheal Tube Tracheal Foreign Bodies in Dogs and Cats: 5 Cases	Jinelle Webb

EXHIBIT HALL HAPPENINGS

EXHIBIT HALL HOURS

WSCC – 4th Floor

Thursday, June 13	9:30 am – 5:00 pm
Friday, June 14	9:30 am – 5:00 pm
Saturday, June 15	9:30 am – 2:30 pm

EVENTS REFRESHMENT BREAKS

Thursday, June 13	9:50 – 10:30 am 4:00 – 4:25 pm
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We'll treat you to lunch in the Exhibit Hall on Thursday, Friday or Saturday from 12:30 to 2:00 pm. You'll find a complimentary ticket in your registration packet.

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Find the ACVIM booth on the Skybridge, 4th floor of the WSCC, during exhibit hall hours. Stop by and enter to win some great prizes!

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ACVIM Diplomates are invited to stop by the Diplomat Lounge located in the Exhibit Hall to access the Cyber Café, catch up with your colleagues, and keep current with what's happening at the ACVIM.

Thursday, June 13	8:30 am – 6:00 pm
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Saturday, June 15	8:30 am – 2:30 pm

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The 2013 ACVIM Forum is hosting our first exhibit hall contest. We encourage you to browse and uncover valuable information available from exhibitors about their newest products and services. Use the brochure enclosed in your registration packet to visit at least 15 exhibitors and get a stamp when you stop by any booth.



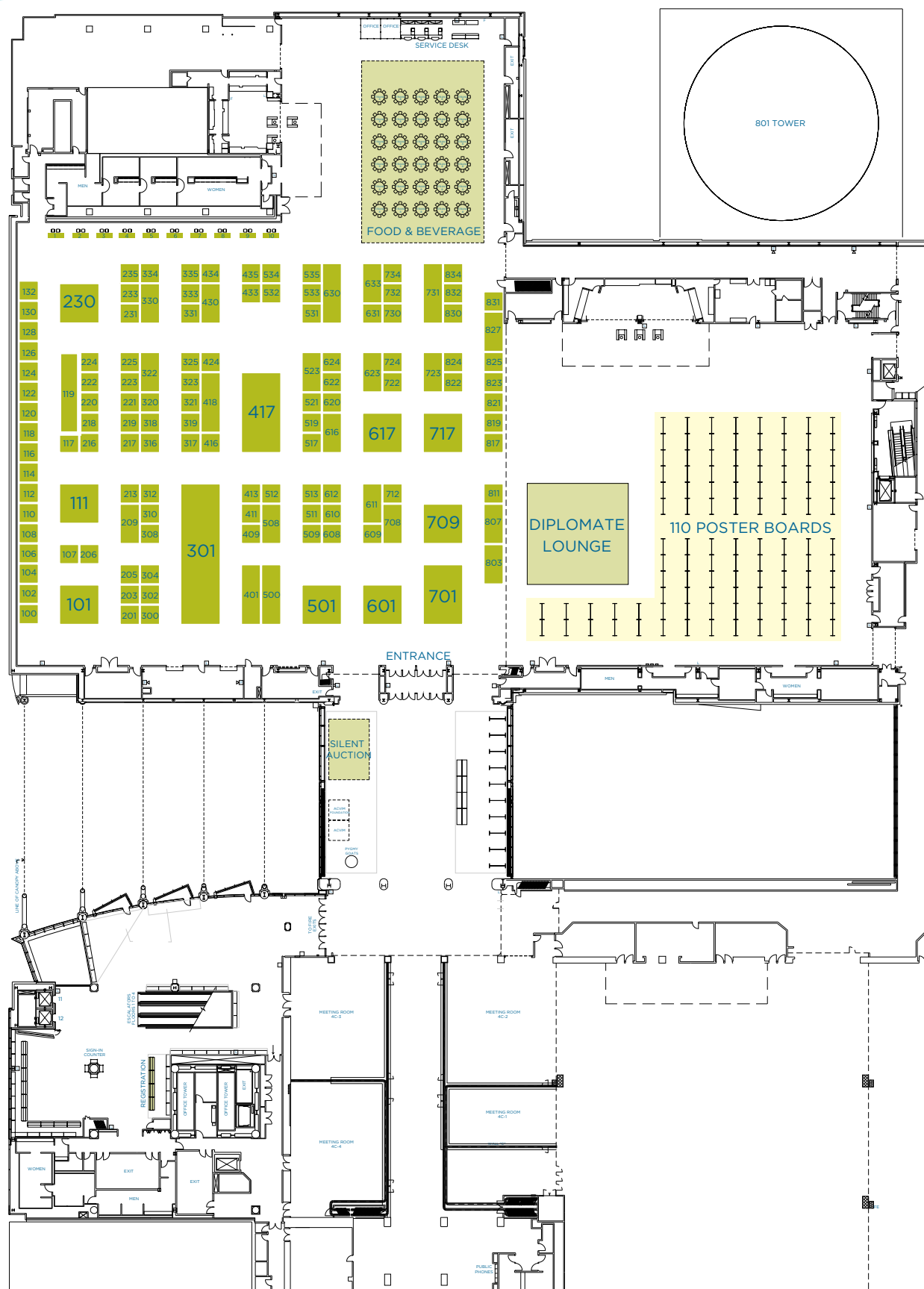
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CONTEST DETAILS

- No purchase necessary to win.
- Odds of winning depend on the number of eligible entries received.
- Contest begins Thursday, June 13 at 9:30 am and closes June 15 at 1:00 pm.
- Prize winners do not need to be present to win the drawing.
- To be eligible to participate you must be registered for the 2013 ACVIM Forum.
- Winners announced Saturday, June 15 at 1:30 pm.

EXHIBIT HALL FLOOR PLAN



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534	1800Endoscope.com, LLC	517	Equipment Outreach, Inc.	220	Pet Health Pharmacy
TT1	2 Million Dogs	TT4	European School for Advanced Veterinary Studies (ESAVS)	521	PetRays Telemedicine
101	Abaxis, Inc.			411	petMAP
834	Abbott Animal Health	310	Grady Medical Systems, Inc.	312	Platinum Performance
117	Advanced Monitors Corporation	825	Hallmarq Veterinary Imaging	712	Practivet
317	Aesculight-LuxarCare	308	Hawaiian Moon	112	ProScope Systems
225	Alfa Wasserman Diagnostic Technologies	320	HemoSolutions	216	Purina Animal Nutrition
319	Alveda	616	Heska Corporation	511	Red Bank Veterinary Hospital
624	Amatheon Pharmaceuticals	601	Hill's Pet Nutrition, Inc.	318	Roadrunner Pharmacy
TT3	American Association of Veterinary Blood Banks (AAVBB)	611	Hitachi Aloka Medical	817	Rogue Research, Inc.
TT6	American Board of Veterinary Practitioners (ABVP)	201	Hot Dog Patient Warming	213	Rose Micro Solutions
331	Animage, LLC	TT2	Humane Society Veterinary Medical Association	508	Royal Canin Veterinary Diet
302	Animal Health Options	322	Hyperbaric Veterinary	730	Rx Vitamins, Inc.
335	Animal Imaging Partners	731	Iams Veterinary Formulas / P&G Pet Care	827	scil animal care company
218	Animal Intelligence Software, Inc.	708	IDEXX Laboratories	300	Snyder Manufacturing Co.
807	AnimalScan	609	Infiniti Medical, LLC	811	Sontec Instruments, Inc.
509	Avalon Medical Ltd.	434	Jorgensen Laboratories	100	Southwest Medical Resources
722	Balance IT	630	Karl Storz Veterinary Endoscopy America, Inc.	832	Stokes Pharmacy
608	Bayer Healthcare, LLC, Animal Health Division	330	Lafeber Company	732	StringSoft, Inc.
206	Best Pet Rx	230	Lattice Informatics Group, a division of Brightline Medical, Inc.	TT7	Stymie Canine Cancer
513	Bioniche Animal Health USA, Inc.	535	LLOYD, Inc.	821	Suneris, Inc.
323	BlackwellKing Veterinary Change Consultants	830	Manson Publishing	316	SystemVET / System Medical, Inc.
235	BloXR Corporation	532	MDS, Inc.	205	The Spectrum Group
623	Boehringer Ingelheim Vetmedica, Inc.	223	Meds for Vets Pharmacy	533	Today's Veterinary Practice
333	Butler Schein Animal Health	717	Merck Animal Health	413	TopVets.com
304	Canine Rehabilitation Institute	501	Merial, Ltd.	321	Trudell Medical International
612	CareCredit	633	Meridian Animal Health	500	Universal Imaging/Universal Medical Systems, Inc. (OH)
TT9	Christian Veterinary Mission	724	MILA International, Inc.	823	Van Beek Natural Science
531	Companion Therapy Laser by LiteCure, LLC	424	MiraVista Diagnostics	301	VCA Antech
114	Core Imaging	107	Morris Animal Foundation	224	Vedco Animal Health
824	Cornell University Animal Health Diagnostic Center	819	Multi Radiance Medical	418	Vetel Diagnostics, Inc.
111	Cuattro Veterinary	433	MWI Veterinary Supply	416	Veterinary Allergy Reference Lab (VARL)
734	Dan Scott & Associates, Inc.	409	My Veterinary Career powered by AAHA	TT5	Veterinary Cancer Society
523	Dechra Veterinary Products	231	Natura Pet	831	Veterinary Diagnostics Institute (VDI)
222	Dextronix, Inc.	617	Nestlé Purina PetCare	TT8	Veterinary Emergency & Critical Care Society (VECCS)
622	Diamondback Drugs	435	Networking Imaging Systems, Inc.	221	Veterinary Instrumentation
219	Digicare Biomedical	325	Nordic Naturals	217	Veterinary Pet Insurance, Co.
631	DVM Solutions	102	Northwest Industrial Equipment, Inc.	519	Veterinary Pharmacies of America, Inc.
417	Elanco Companion Animal Health	701	Novartis Animal Health US, Inc.	118	Veterinary Pixelworks
723	Elsevier	209	Nutramax Laboratories, Inc.	TT10	Veterinary Support Personnel Network (VSPN)
803	Endoscopy Support Services, Inc.	106	Patterson Veterinary	120	Vet Imaging
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225

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Table Top 3

Table Top 6

331

Table Top 1

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317

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206

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333

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Table Top 9

824

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Table Top 4

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Table Top 2

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107

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210.698.5575
www.veccs.org

VECCS promotes advancement of knowledge in veterinary emergency and critical care medicine, leading to improved patient care of severely ill/injured animals. VECCS conducts international continuing education symposia, publishes a peer reviewed journal (JVECC), maintains a web site and produces Proceedings. VECCS membership exceeds 3900. Annual IVECCS draws over 2600 attendees.

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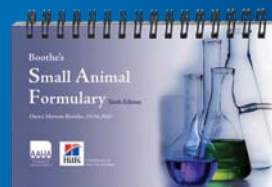
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