



# ACVIM

2015 FORUM

JUNE 3-6 • INDIANA CONVENTION CENTER



ACVIM  
FORUM

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# Research is at the heart of every new beginning.

## CANCER therapies and clinical studies

### THURSDAY, JUNE 4

CE Presentation 10:30-11:20 am, Convention Center, Sagamore 7

**The Evolving Science of Immunotherapeutics in Veterinary Oncology.** Presented by Philip J. Bergman, DVM, PhD, DACVIM (Oncology); and Chad Johannes, DVM, DACVIM (SAIM, Oncology).

Abstract Presentation 11:00-11:15 am, Convention Center, Room 233

**A Prospective, Open-Label Study Evaluating Treatment of Canine B-cell Lymphoma with L-Asparaginase, Doxorubicin and a Canine Anti-CD20 Monoclonal Antibody.** Presented by Carlos O. Rodriguez, Jr., DVM, PhD, DACVIM (Oncology).

CE Presentation 11:30-12:20 pm, Thursday, Convention Center, Sagamore 7

**Clinical Application of Immunotherapeutics in Veterinary Oncology.** Presented by Philip J. Bergman, DVM, PhD, DACVIM (Oncology); and Chad Johannes, DVM, DACVIM (SAIM, Oncology).

### FRIDAY, JUNE 5

Research Report Presentation 5:25-5:50 pm, Convention Center, Room 201

**Anti-CD20 Monoclonal Antibody Canine Lymphoma Therapy: A Double-Blind, Randomized, Placebo-Controlled Study.** Presented by Gregory Ogilvie, DACVIM (SAIM, Oncology), DECVIM-CA (Oncology).

### SATURDAY, JUNE 6

**Late-Breaking Abstract Presentation** 8:00 am, Convention Center, Wabash 3

**Combination Listeria-Based Immunotherapy Plus Palliative Radiation Delays Tumor Progression and Prolongs Overall Survival in Canine Osteosarcoma.** Presented by Nicola Mason, BVetMed, PhD, DACVIM (SAIM).

## INAPPETENCE solutions in development

### THURSDAY, JUNE 4

Abstract Presentation 10:30-10:45 am, Convention Center, Room 204

**Safety of the Ghrelin Agonist, Capromorelin, Administered Daily to Beagle Dogs for One Year.** Presented by Linda Rhodes, VMD, PhD.

### FRIDAY, JUNE 5

Abstract Poster Session 6:00-7:30 pm, Hall C

- **Capromorelin, An Orally Active Ghrelin Agonist, Caused Sustained Increases in IGF-1, Increased Food Intake and Body Weight in Cats.** Presented by Bill Zollers, PhD.
- **Safety of the Ghrelin Agonist, Capromorelin, Administered Daily to Cats for 91 Days at an Oral Dose of 6 mg/kg.** Presented by Julie Allen, BVMS, MS, MRCVS, DACVIM (SAIM).

**SPECIAL BREAKFAST SESSION ON FRIDAY** 6:30-8:00 am, Convention Center, Room 123-124

**New Therapeutic Advances in Inappetence for Pets.** Presented by Audrey Cook, BVM&S, MRCVS, DACVIM, DABVP (Feline); and Julie Allen, BVMS, MS, MRCVS, DACVIM (SAIM).

## PAIN management treatment advances

### FRIDAY, JUNE 5

CE Presentation 9:00-9:50 am, Convention Center, Sagamore 1

**Introduction to the Emerging Piprant Therapeutic Class of Prostanoid Receptor Antagonists.** Presented by Kristin Kirkby Shaw, DVM, MS, PhD, DACVS, DACVSMR.

Abstract Poster Session 6:00-7:30 pm, Hall C

- **Safety and Toxicokinetic Profiles in Cats Administered Grapiprant, A Selective Prostaglandin-Receptor Antagonist.** Presented by Lesley Rausch-Derra, DVM, MS.

*Room locations may change after time of printing. Please check program schedule.*



# OPENING NIGHT

# RECEPTION

## Let's Get Together

**SOCIALIZE, NETWORK** and **RECONNECT** with old friends and new friends all over tasty drinks and appetizers at this year's Opening Night Reception.

INDIANA CONVENTION CENTER  
INDIANAPOLIS, IN

SAGAMORE BALLROOM

THURSDAY, JUNE

# 4

## 2015

6:00PM  
~TO~  
7:30PM

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# ACVIM

2015 FORUM

JUNE 4-6 • INDIANA CONVENTION CENTER

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Note: The speaker list is available on the mobile app.

### CONTACT INFORMATION:

ACVIM Forum  
1997 Wadsworth Blvd.  
Lakewood, CO 80214

TELEPHONE 303.231.9933 | TOLL-FREE 800.245.9081 | FAX 303.231.0880 | EMAIL [Forum@ACVIM.org](mailto:Forum@ACVIM.org)

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Dear Colleague,

On behalf of the ACVIM Board of Regents, the members of the ACVIM Forum Program Committee and the ACVIM staff, welcome to the 2015 ACVIM Forum in Indianapolis!

The ACVIM Forum is the world's largest conference focusing exclusively on veterinary internal medicine. This year more than 3,000 attendees from all over the world are expected: board-certified veterinary specialists in small and large animal internal medicine, cardiology, neurology and oncology, veterinarians with a strong interest in these areas, residents, interns, graduate and professional students and veterinary technicians. The

Forum is a leading event for professional growth, education, sharing of ideas with colleagues and exploration of the latest cutting edge developments in veterinary internal medicine.

Be sure to take advantage of this year's comprehensive program including:

- The Specialty Symposium and Reception on Wednesday, June 3 (access limited to ACVIM Diplomates, Candidates, and invited guests).
- A full selection of scientific sessions and interactive workshops, the technician program, and more. Attend as much as you like in the learning format that benefits you most. More than 460 hours of CE are available.
- The keynote presentation on Friday, June 5 by Mr. James Wight Jr., a veterinarian from Yorkshire, England. His father, Mr. James Alfred Wight aka James Herriot, authored several wonderful books including "All Creatures Great and Small" and influenced so many of us, then teenagers, in our determination to become veterinarians. Mr. Wight Jr. wrote a biography of his father and is a very entertaining speaker. He'll comment on the evolution of our profession from the era of James Herriot to the present days.
- Research abstract oral and poster presentations. Don't miss the Wine and Cheese Reception Poster Viewing on Friday night.
- Opportunities to network with your colleagues during the Opening Reception, luncheons and educational sessions.
- An attractive Exhibit Hall where you can meet our partners from the industry, learn about and buy new or familiar products, and get hands-on experience with the latest medical devices.

Whether it's your first time at the ACVIM Forum or you have been a regular attendee, you can look forward to outstanding educational opportunities during the next few days. Be energized and enjoy time well spent with new and old colleagues in a terrific city. Thank you for being part of the 2015 ACVIM Forum!

Frederic Gaschen, Dr.med.vet., Dr.habil., DACVIM (SAIM), DECVIM-CA (IM)  
2015 ACVIM Forum Program Chairperson

## THANK YOU TO THE MEMBERS OF THE 2015 ACVIM FORUM PROGRAM COMMITTEE

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(fipronil) for dogs

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### PLATINUM



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### GOLD



### SILVER



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### GENERAL PROGRAM





# Ultrasound Speaker Series

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## Learn Scanning Secrets From The Experts

**Dr. Matthew Winter**  
DVM, DAVCR

**Dr. Sonya Gordon**  
DVM, DVSC, DACVIM

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DVM, DACVIM

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BS, DVM, DACVIM-Internal Medicine

**Dr. Linda Luther**  
DVM, MVSc, DACVIM

Sound/VCA Booth #201

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## ENTER TO WIN A 2 DAY EDUCATION COURSE

Attend a speaker presentation to receive a gift card and the chance to win a free 2 day education course up to \$1,590 value at the Academy of Veterinary Imaging.



### REGISTRATION DESK HOURS

The Registration Desk is located in the Crossroads Lobby at the Indiana Convention Center.

#### HOURS

Tuesday, June 2:	12:00–7:00 pm
Wednesday, June 3:	7:00 am–7:00 pm
Thursday, June 4:	7:00 am–7:00 pm
Friday, June 5:	7:00 am–7:00 pm
Saturday, June 6:	7:00 am–7:00 pm

### EXHIBIT HALL HOURS

Thursday, June 4	9:30 am–5:00 pm
Friday, June 5	9:30 am–5:00 pm

### PROCEEDINGS

Proceedings will be available by:

- VIN website two weeks prior to the ACVIM Forum. Directions will be emailed.
- Access in the cyber café powered by VIN, located in the Crossroads Lobby and Sagamore Foyer.
- Mobile app

### JOB BOARDS

Looking for a new opportunity or need to hire? Be sure to stop by the Job Boards located on level 2 – Sagamore Foyer.

### FLASH DRIVES

Locate your flash drive in your conference bag. Both sponsored by



### CONTINUING EDUCATION CREDIT

#### Veterinarians

Earn up to 40 Continuing Education (CE) hours in just four days.

#### Technicians

Earn up to 32 hours of high caliber Continuing Education (CE) with tracks designed just for you.

#### ATTENTION Texas-Licensed Veterinarians

The 2015 ACVIM Forum meets the requirements of the Texas Veterinary Licensing Act mandated by the 79th Legislature and adopted by the Texas Board of Veterinary Medical Examiners relating to verifying continuing education credit for Texas-licensed veterinarians.

#### ATTENTION New York-based Veterinarians and Technicians

The 2015 ACVIM Forum meets the requirements for continuing education from the New York State Board of Veterinary Medicine.

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## EXPERIENCE INDIANAPOLIS

The Indiana Convention Center is conveniently connected to the headquarter hotel via skywalk and located near a 250-acre urban park, including the scenic Central Canal, and more than 200 restaurants and bars all conveniently located in one of the most walkable cities in the nation. It's all waiting outside your hotel. Forget shuttles and cabs. You'll love how easy it is to make the most out of an evening in Indy. Check out [VisitIndy.com](http://VisitIndy.com) for more information.

## TRANSPORTATION

### Getting to and from the Airport

Indianapolis International Airport's Ground Transportation Center, located on the first floor of the parking garage offers connection to bus service, hotel courtesy vehicles, car rental and limousines. Curbside taxicab service is available just outside baggage claim.

### Public Transportation Bus Service

For just ten dollars, the Go Green Airport Shuttle is the express shuttle serving most Downtown Indianapolis hotels. Our most popular stops serve Lucas Oil Stadium, The Convention Center and The Marriott Complex (JW Marriott). The shuttle operates from 8:00am to 11:00pm, 7 days a week.

### Taxis

Taxi service is available at the curb on the lower level of the terminal just outside baggage claim.

Expect to pay around \$30-\$35 from the Indianapolis International Airport to Downtown. There is a \$15 minimum charge for all fares from the airport, regardless of distance.

## PARKING

Downtown Indianapolis hosts more than 70,000 parking spaces. For pricing, hours, and more, visit [DowntownIndy.org](http://DowntownIndy.org).

## CHILD CARE SERVICES

Child care services are provided through Sitters to the Rescue. The children's program will be available at the Indianapolis Marriott Hotel during the following times:

Wednesday, June 3:	7:30 am-7:15 pm
Thursday, June 4:	7:45 am-6:30 pm
Friday, June 5:	7:45 am-6:30 pm
Saturday, June 6:	7:45 am-6:30 pm

## WHEELCHAIR AND SCOOTER RENTAL

The Indiana Convention Center has a limited number of wheelchairs available based on first come, first served basis. Wheelchairs are located at the security window located in the center of the building. Off property use is prohibited.

If you need to rent a wheelchair or scooter for your entire stay, ACVIM recommends:

### At Home Health Equipment

(317) 872-9702  
[www.ahhe.com](http://www.ahhe.com)

## FREE WI-FI ACCESS

Stay connected with the Wi-Fi access in all of the ACVIM Forum public areas at the Indiana Convention Center.

**User ID: ACVIM**  
**Password: indy2015**

## MOBILE APP

Use the mobile app to access all the information you need with your smartphone or tablet. Quickly access the meeting schedule, program updates, exhibits and sponsorship information, proceedings notes and more. Search for the **2015 ACVIM Forum** in the store list.

### soft chewable tablets

Non-steroidal anti-inflammatory drug  
For oral use in dogs only

#### BRIEF SUMMARY:

Before using quellin soft chewable tablets, 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.

**PRODUCT DESCRIPTION:** quellin (carprofen) is a non-steroidal anti-inflammatory drug (NSAID) of the propionic acid class that includes ibuprofen, naproxen, and ketoprofen.

**INDICATIONS:** quellin is indicated for the relief of pain and inflammation associated with osteoarthritis and for the control of postoperative pain associated with soft tissue and orthopedic surgeries in dogs.

**CONTRAINDICATIONS:** quellin should not be used in dogs exhibiting previous hypersensitivity to carprofen.

**WARNINGS:** Keep out of reach of children. Not for human use. Consult a physician in cases of accidental ingestion by humans. **For use in dogs only.** Do not use in cats. All dogs should undergo a thorough history and physical examination before initiation of NSAID therapy. Appropriate laboratory tests to establish hematological and serum biochemical baseline data prior to, and periodically during, administration of any NSAID should be considered.

**PRECAUTIONS:** As a class, NSAIDs may be associated with gastrointestinal, renal and hepatic toxicity. Effects may result from decreased prostaglandin production and inhibition of the enzyme cyclooxygenase which is responsible for the formation of prostaglandins from arachidonic acid. When NSAIDs inhibit prostaglandins that cause inflammation they may also inhibit those prostaglandins which maintain normal homeostatic function. These antiprostaglandin effects may result in clinically significant disease in patients with underlying or pre-existing disease more often than in healthy patients. Carprofen is an NSAID, and as with others in that class, adverse reactions may occur with its use. The most frequently reported effects have been gastrointestinal signs. Events involving suspected renal, hematologic, and neurologic, dermatologic, and hepatic effects have also been reported. Concomitant use of carprofen with other anti-inflammatory drugs, such as other NSAIDs or corticosteroids, should be avoided because of the potential increase of adverse reactions, including gastrointestinal ulcerations and/or perforations. Carprofen is not recommended for use in dogs with bleeding disorders, as safety has not been established in dogs with these disorders. The safe use of carprofen in animals less than 6 weeks of age, pregnant dogs, dogs used for breeding purposes, or in lactating bitches has not been established.

#### ADVERSE REACTIONS:

During investigational studies for the caplet formulation with twice-daily administration of 1 mg/lb., no clinically significant adverse reactions were reported. Some clinical signs were observed during field studies which were similar for carprofen caplet and placebo treated dogs. Incidences were observed in both groups: vomiting (4%), diarrhea (4%), changes in appetite (3%), lethargy (1.4%), behavioral changes (1%), and constipation (0.3%).

For a copy of the Material Safety Data Sheet (MSDS) or to report adverse reactions call Bayer Veterinary Services at 1-800-422-9874. For consumer questions call 1-800-255-6826.

ANADA 200-555 Approved by FDA

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March 2015

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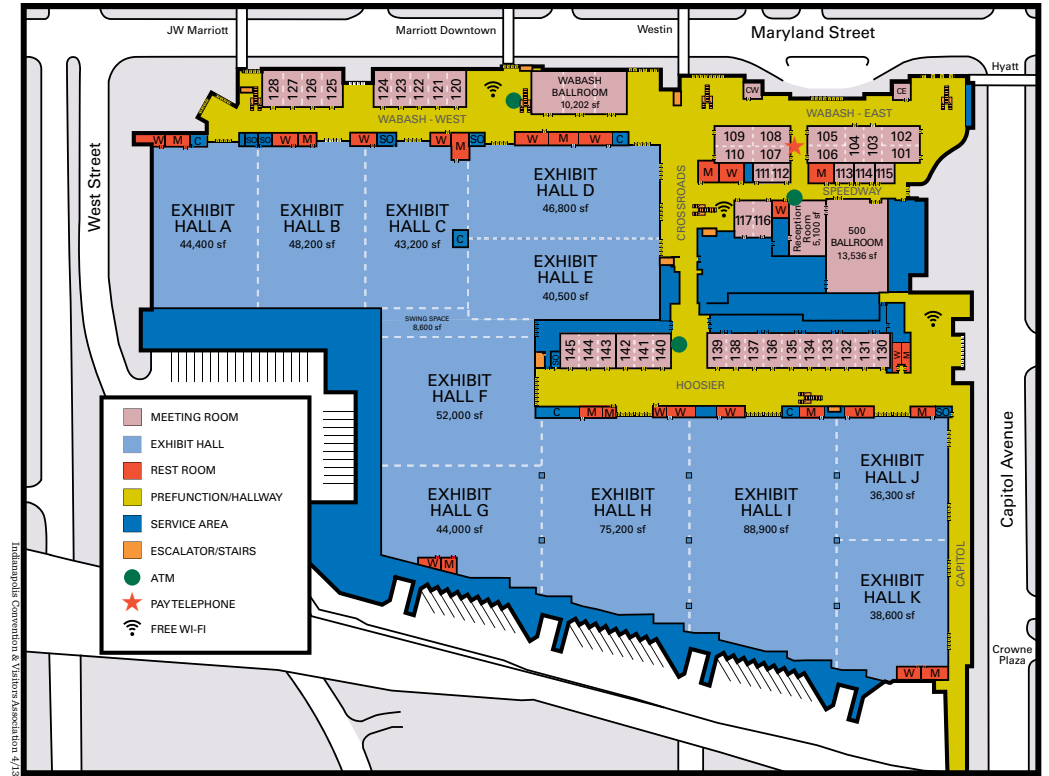
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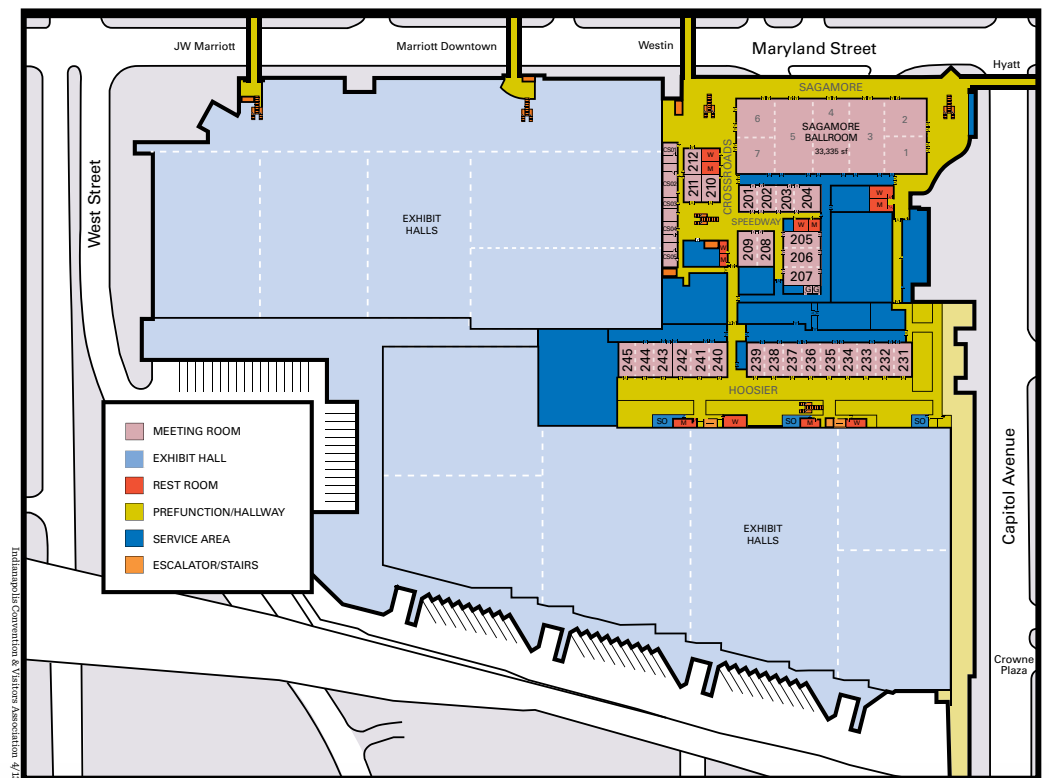
**quellin™ is indicated for the relief of pain and inflammation associated with osteoarthritis and for the control of postoperative pain associated with soft tissue and orthopedic surgeries in dogs.**

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian. WARNINGS: Keep out of reach of children. Not for human use. Consult a physician in cases of accidental ingestion by humans. **For use in dogs only.** Do not use in cats. All dogs should undergo a thorough history and physical examination before initiation of NSAID therapy. Appropriate laboratory tests to establish hematological and serum biochemical baseline data prior to, and periodically during, administration of any NSAID should be considered.

## LEVEL 1



## LEVEL 2



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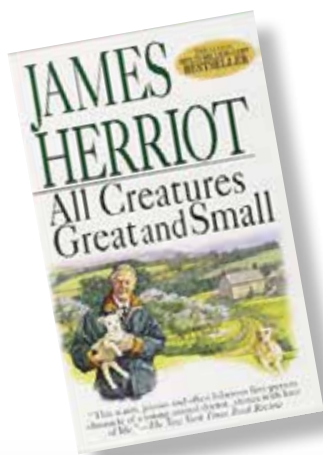
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**EARLY DETECTION.  
GREATER PROTECTION.**

# BOOK SIGNING



Thursday, June 4 • 2:00–3:30 pm  
Friday, June 5 • 2:00–3:30 pm  
Hall D

Pick up a copy of the beloved book, “All Creatures Great and Small” by James Herriot, signed by his son and our 2015 Forum keynote speaker, Mr. Jim Wight. *While supplies last.*

Donations will be accepted and proceeds will benefit the ACVIM Foundation.



For Animals Only

## Rapinivet™ (propofol) Anesthetic Injection

Emulsion for intravenous use in dogs and cats.

**BRIEF SUMMARY:** Before using Rapinivet™ (propofol), 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.

### WARNINGS:

Induction of anesthesia with Rapinivet™ injection is frequently associated with apnea and respiratory depression. Hypotension and oxygen desaturation can occur also, especially following rapid bolus administration. Apnea is observed less frequently following maintenance doses of Rapinivet™ injection when given as the sole maintenance agent, or when a maintenance dose is administered during inhalant anesthesia.

**When using Rapinivet™ injection, patients should be continuously monitored, and facilities for the maintenance of a patent airway, artificial ventilation, and oxygen supplementation must be immediately available. The clinical use of propofol without available supplemental oxygen and artificial ventilation has not been adequately evaluated and is not recommended.**

### SIDE EFFECTS:

The primary side effect of Rapinivet™ injection in dogs is respiratory depression and apnea. Apnea was observed in 20% of the dog cases in the clinical trial. Apnea was observed in 1.4% of the cat cases in the clinical trial. All apnea cases responded satisfactorily to oxygen supplementation and/or controlled ventilation.

The primary side effect of Rapinivet™ injection in cats is paddling during recovery. Paddling was observed in 11% of the cat cases in the clinical trial.

Other transient side effects in dogs or cats are observed infrequently or rarely:

• **Respiratory:** panting, reverse sneezing, cyanosis • **Musculoskeletal:** paddling during recovery, tremors, tenseness, movements, fasciculations • **Cardiovascular:** bradycardia, hypotension, cyanosis, tachycardia, premature ventricular contractions • **Central Nervous System:** excitation, opisthotonus, seizure • **Injection Site:** pain during injection • **Gastrointestinal:** emesis/retching • **Other:** rubbing at face or nose during recovery, vocalization during recovery, chewing or licking the injection site during recovery.

### PRECAUTIONS:

1. Rapinivet™ injection contains no antimicrobial preservatives. Strict aseptic techniques must always be maintained during handling since the vehicle is capable of supporting rapid growth of microorganisms. Failure to follow aseptic handling procedures may result in microbial contamination causing fever, infection/sepsis, and/or life-threatening illness. Do not use if contamination is suspected.
2. When using Rapinivet™ injection, patients should be continuously monitored, and facilities for the maintenance of a patent airway, artificial ventilation, and oxygen supplementation must be immediately available. The clinical use of propofol without available supplemental oxygen and artificial ventilation has not been adequately evaluated and is not recommended.
3. Anesthesia effects: Careful monitoring of the patient is necessary when using Rapinivet™ injection as a maintenance anesthetic due to the possibility of rapid arousal. Apnea may occur following maintenance doses of Rapinivet™ injection.
4. Physiological effects: During induction of anesthesia, mild hypotension and increased heart rate may occur when Rapinivet™ injection is used alone.
5. Premedicants: Premedicants may increase the anesthetic or sedative effect of Rapinivet™ injection and result in more pronounced changes in systolic, diastolic, and mean arterial blood pressures. The use of ketamine (an approved compound for restraint in cats) is not recommended as a preanesthetic prior to propofol due to an increased number of patients experiencing apnea.

6. Breeding Animals: Adequate data concerning the safe use of Rapinivet™ injection in pregnant, lactating, and breeding dogs and cats have not been obtained. Propofol crosses the placenta, and as with other general anesthetic agents, the administration of propofol may be associated with neonatal depression.

7. Puppies and Kittens: The use of propofol has not been evaluated in puppies or kittens.

8. Compromised or debilitated dogs and cats: Doses may need adjustment for geriatric or debilitated patients. The administration of Rapinivet™ injection to patients with renal failure and/or hepatic failure has not been evaluated. As with other anesthetic agents, caution should be exercised in dogs or cats with cardiac, respiratory, renal or hepatic impairment, or in hypovolemic or debilitated dogs and cats.

9. Sighthounds: Rapinivet™ injection induction followed by inhalant anesthetic agents produced satisfactory anesthesia and recovery times in sighthounds. Propofol alone in 6 greyhounds and 7 non-greyhounds showed satisfactory, but longer recovery times in the greyhounds (averages of 47 and 18 minutes, respectively).<sup>2</sup> In a propofol pharmacokinetics study, greyhounds had higher propofol levels in plasma, a lower volume of distribution, slower total body clearance rates, and longer recovery times than did mixed-breed dogs. The elimination half-life was similar in both groups.<sup>3</sup>

10. Arrhythmogenicity: In one study in dogs, propofol increased myocardial sensitivity to the development of epinephrine-induced ventricular arrhythmias in a manner similar to other anesthetics.<sup>4</sup>

11. Consecutive day treatment: Heinz bodies increased dramatically in cats following repeat administration of propofol on consecutive days and were associated with decreases in RBC count and hematocrit. Large numbers of Heinz bodies can lead to hemolytic anemia.<sup>5,6</sup> In one study in cats, treatment with propofol once a day for 3 days led to a marked increase in Heinz bodies. Treatment for 5 or more consecutive days resulted in generalized malaise and/or facial edema; clinical signs of illness resolved within 24 to 48 hours after cessation of propofol.

12. Concurrent Medication: No significant adverse interactions with commonly used drugs have been observed.

13. Perivascular Administration: Perivascular administration does not produce local tissue reaction.

### CONTRAINDICATIONS:

Rapinivet™ injection is contraindicated in dogs and cats with a known hypersensitivity to propofol or its components, or when general anesthesia or sedation are contraindicated.

### HUMAN USER SAFETY:

Not for human use. Keep out of reach of children.

Rapinivet™ injection should be managed to prevent the risk of diversion, through such measures as restriction of access and the use of drug accountability procedures appropriate to the clinical setting. Rare cases of self-administration of propofol have been reported, including dose-related fatalities.

The material safety data sheet (MSDS) contains more detailed occupational safety information. For customer service, and/or a copy of the MSDS, call 1-800-633-3796. To report adverse effects, call 1-800-422-9874.

NADA 141-070

Net Contents: 20 mL

NDC 0859-2387-01

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## Bayer

Rev0913  
523988



# Rapinovel™ (propofol)



Smooth induction.  
Quick recovery.  
Great value.



For customer service or to place an order, call 1-800-633-3796. For product information, call 1-800-422-9874.

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

**WARNINGS:** Induction of anesthesia with Rapinovel™ injection is frequently associated with apnea and respiratory depression. Hypotension and oxygen desaturation can occur also, especially following rapid bolus administration. Apnea is observed less frequently following maintenance doses of Rapinovel™ injection when given as the sole maintenance agent, or when a maintenance dose is administered during inhalant anesthesia. To report adverse effects, call 1-800-422-9874.

**When using Rapinovel™ injection, patients should be continuously monitored, and facilities for the maintenance of a patent airway, artificial ventilation, and oxygen supplementation must be immediately available. The clinical use of propofol without available supplemental oxygen and artificial ventilation has not been adequately evaluated and is not recommended.**

\* All events are located at the Indiana Convention Center unless otherwise noted.

### SUNDAY, MAY 31

TIME	LOCATION*	EVENT	SPONSOR (S)
8:00 am–5:00 pm	Marriott • Ballroom 8	Oncology Specialty Exam	
8:00 am–5:30 pm	Marriott • Ballroom 10	Neurology Specialty Exam	
8:00 am–6:00 pm	Marriott • Lincoln	Cardiology Specialty Exam	
8:00 am–6:00 pm	Marriott • Ballroom 5	SAIM Specialty Exam	

### MONDAY, JUNE 1

TIME	LOCATION*	EVENT	SPONSOR (S)
8:00 am–6:00 pm	Marriott • Indiana F	ACVIM Board of Regents	
8:00 am–6:30 pm	Marriott • Lincoln	Cardiology Specialty Exam	
8:00 am–6:30 pm	Marriott • Ballroom 10	Neurology Specialty Exam	
8:00 am–12:00 pm	Marriott • Ballroom 8	Oncology Specialty Exam	
8:00 am–6:00 pm	Marriott • Ballroom 5	SAIM Specialty Exam	

### TUESDAY, JUNE 2

TIME	LOCATION*	EVENT	SPONSOR (S)
8:00 am–12:00 pm	Marriott • Indiana F	ACVIM Board of Regents Meeting	
8:00 am–5:15 pm	Marriott • Ballroom 6	General Exam	
12:00–7:00 pm	Crossroads Lobby	Registration	
12:00–7:00 pm	111-112	Speaker Ready Room	
12:00–7:00 pm	Crossroads Lobby and Sagamore Foyer	Cyber Café	Powered by VIN
1:00–5:00 pm	Marriott • Indiana F	ACVIM Foundation Board of Directors	
1:00–5:00 pm	Marriott • Denver	JVIM Editorial Board Meeting	
3:00–5:00 pm	Marriott • Ballroom 9	Forum Program Committee Meeting Part I (Specialty programs only)	
5:30 pm–7:00 pm	OFFSITE Victory Field	Candidate/Diplomate Picnic Party <i>(Pre-registration required)</i>	BlackwellKing
7:15 pm–9:30 pm	OFFSITE Victory Field	Candidate/Diplomate Baseball Game <i>(Pre-registration required)</i>	BlackwellKing
7:30–9:00 pm	Marriott • Denver	Marketing & Communications Committee Meeting	
7:30–9:30 pm	Marriott • Indianapolis Boardroom	LAIM Residency Training Committee Meeting	
7:30–9:30 pm	Marriott • Lincoln	SAIM Residency Training Committee Meeting	

# SCHEDULE-AT-A-GLANCE

# ACVIM

SCHEDULE-AT-A-GLANCE

## WEDNESDAY, JUNE 3

\* All events are located at the Indiana Convention Center unless otherwise noted.

TIME	LOCATION*	EVENT	SPONSOR (S)
6:30-7:50 am	101	Advanced Continuing Education (ACE) Committee Meeting	
6:30-8:00 am	102	International Credentials and Relations Committee Meeting	
7:00-7:30 am	103-104	Moderator Training	
7:00 am-6:00 pm	111-112	Speaker Ready Room	
7:00 am-7:00 pm	Crossroads Lobby	Registration	
7:00 am-10:00 pm	Crossroads Lobby and Sagamore Foyer	Cyber Café	VIN
8:00 am-5:00 pm	See pages 32-35	Specialty Symposium, Luncheons and Business Meetings	Animal Scan, Bayer, Boehringer Ingelheim, Hallmarq, IDEXX, Merial, Purina, Zoetis
8:00 am-7:00 pm	Sagamore Foyer	Texas A&M University Librarian	
12:00-7:00 pm	Hall C	Research Abstract Posters Setup	
12:55-5:20 pm	105-106	Technician Case Report Presentations	Hill's Pet Nutrition
1:00-2:00 pm	115	Friends of Dr. Bob and Bill W. Meeting	
5:30-7:00 pm	Sagamore Foyer	Specialty Symposium Reception	Purina
7:15-11:00 pm	OFFSITE Granite City Food & Brewery	LAIM Specialty Reception (Pre-registration required)	Boehringer Ingelheim
7:15-11:00 pm	OFFSITE Indianapolis Zoo	Oncology Specialty Dinner and Diplomate Certificate Ceremony (Pre-registration required)	Zoetis

## THURSDAY, JUNE 4

TIME	LOCATION*	EVENT	SPONSOR (S)
6:00 am-2:00 pm	Marriott • Ballroom 4	Diplomate Exam Review Session	
6:30-8:30 am	Marriott • Lincoln	LAIM Credentials Committee Meeting	
6:30-8:30 am	Marriott • Indianapolis Boardroom	LAIM Marketing Committee Meeting	
6:30-8:30 am	Marriott • Columbus	SAIM Credentials Committee Meeting	
7:00-8:00 am	205	JVIM Update	
7:00 am-5:00 pm	Hall C	BlackwellKing Candidate Lounge	BlackwellKing
7:00 am-5:00 pm	Hall C	Diplomate Lounge	VCA
7:00 am-5:00 pm	Hall C	Poster Presentations	
7:00 am-7:00 pm	Crossroads Lobby	Registration	
7:00 am-7:00 pm	111-112	Speaker Ready Room	
7:00 am-10:00 pm	Crossroads Lobby and Sagamore Foyer	Cyber Café	Powered by VIN
7:30-8:45 am	101	LAIM Resident Chat Session	
8:00-8:30 am	Wabash 1-2	Moderator Training	
8:00 am-6:15 pm	See pages 37-51	Educational Sessions	
8:00 am-7:00 pm	Sagamore Foyer	Texas A&M University Librarian	
9:30 am-5:00 pm	Hall D	Exhibit Hall Open	
9:00 am-5:30 pm	109	ACVIM Foundation Silent Auction	BlackwellKing
9:50-10:30 am	Hall C	Research Abstract Posters Attended by Authors Eligible for ACVIM Resident Research Award	

\* All events are located at the Indiana Convention Center unless otherwise noted.

### THURSDAY, JUNE 4 (CONTINUED)

TIME	LOCATION*	EVENT	SPONSOR (S)
10:00-11:00 am	Hall D	Animal Survivor Event	Hill's Pet Nutrition and ACVIM
12:30-1:00 pm	Hall D	Lunch and Learn in the Exhibit Hall, Dr. Allyson Berent	Karl Storz
12:30-2:00 pm	Ballroom 500	Membership Luncheon and Awards Ceremony	
12:30-2:00 pm	120-121	Technician Luncheon	Hill's Pet Nutrition
1:00-2:00 pm	115	Friends of Dr. Bob and Bill W. Meeting	
2:00-3:30 pm	Hall D	Book Signing with Mr. Jim Wight	
5:30-6:30 pm	Marriott • Denver	ACVIM Foundation Development Committee Meeting	
6:00-7:30 pm	Sagamore 3-4	Opening Night Reception	Hill's Pet Nutrition and ACVIM
7:30-10:00 pm	OFFSITE • Indianapolis Zoo	Cardiology Specialty Reception (Pre-registration required)	Boehringer Ingelheim and IDEXX

### FRIDAY, JUNE 5

TIME	LOCATION*	EVENT	SPONSOR (S)
6:00 am-9:30 pm	See pages 40-51	Educational Sessions	
6:30-8:30 am	See page 47	Breakfast with the Experts	
7:00-7:45 am	208	AAVMC 50th Anniversary Presentation	AAVMC
7:00-8:00 am	101	Forum Program Committee Part II (Allied/Affiliate/Technician Programs only)	
7:00-8:30 am	Marriott • Austin	Education and Research Committee	
7:00 am-5:00 pm	Hall C	BlackwellKing Candidate Lounge	BlackwellKing
7:00 am-5:00 pm	Hall C	Diplomate Lounge	VCA
7:00 am-5:00 pm	Hall C	Poster Presentations	
7:00 am-7:00 pm	Crossroads Lobby	Registration	
7:00 am-7:00 pm	111-112	Speaker Ready Room	
7:00 am-10:00 pm	Crossroads Lobby and Sagamore Foyer	Cyber Café	Powered by VIN
8:00 am-2:00 pm	Sagamore Foyer	Texas A&M University Librarian	
9:00 am-5:30 pm	109	ACVIM Foundation Silent Auction	BlackwellKing
9:30 am-5:00 pm	Hall D	Exhibit Hall Open	
9:50-10:30 am	Hall C	Research Abstract Posters Attended by Authors Eligible for ACVIM Resident Research Award	
10:30-11:20 am	Sagamore 4	Keynote Session with Mr. Jim Wight	Hill's Pet Nutrition
11:30 am-1:30 pm	See page 29	Consensus Statements	
12:30-2:00 pm	207	Equine Emerging (and Re-emerging) Diseases Luncheon	Merck
12:30-2:00 pm	122	Student Luncheon: Meet Your Mentors	Purina

\* All events are located at the Indiana Convention Center unless otherwise noted.

## FRIDAY, JUNE 5 (CONTINUED)

TIME	LOCATION*	EVENT	SPONSOR (S)
12:30-2:00 pm	120-121	Technician Luncheon	Elanco
1:00-1:30 pm	Hall D	Lunch and Learn in the Exhibit Hall, Dr. David Twedt	Karl Storz
1:00-2:00 pm	115	Friends of Dr. Bob and Bill W. Meeting	
2:00-3:30 pm	Hall D	Book Signing with Mr. Jim Wight	
6:00-7:30 pm	Hall C	Wine and Cheese Reception and Poster Viewing	Purina
7:00-9:00 pm	Wabash East	ACVIM Foundation Live Auction	BlackwellKing
7:00-11:00 pm	OFFSITE • Prime 47	Neurology Specialty Dinner (Pre-registration required)	AnimalScan
7:30-9:30 pm	Marriott • Indianapolis Ballroom	LAIM Executive Board Meeting	

## SATURDAY, JUNE 6

TIME	LOCATION*	EVENT	SPONSOR (S)
6:30-8:30 am	See page 48	Breakfast with the Experts	
7:00-10:00 am	Hall C	Research Abstract Poster Removal by Presenters	
7:00 am-5:00 pm	Hall C	BlackwellKing Candidate Lounge	BlackwellKing
7:00 am-5:00 pm	Crossroads Lobby and Sagamore Foyer	Cyber Café	Powered by VIN
7:00 am-5:00 pm	Hall C	Diplomate Lounge	VCA
7:00 am-6:00 pm	111-112	Speaker Ready Room	
7:00 am-7:00 pm	Crossroads Lobby	Registration	
8:00 am-6:15 pm	See pages 43-51	Educational Sessions	
11:00 am-1:00 pm	207	Lunch and Learn: Let's Give 'em Something to Talk About, K. Gavzer	CareCredit
1:00-2:00 pm	115	Friends of Dr. Bob and Bill W. Meeting	
2:00-5:30 pm	102	Board of Regents Meeting	
6:00-8:00 pm	Sagamore Foyer	Closing Appreciation Reception (by invitation only)	ACVIM

ACVIM offers advanced continuing education courses (ACE) focused on hands-on laboratories, lectures, case presentations and discussions. Some course offerings are also open to Diplomates from other specialties or to those from the ECVIM/ECVN. ACE courses are located at the Oquendo Center in Las Vegas, Nevada. These cutting-edge high-level courses provide RACE-approved CE credits.



**ACVIM**  
Advanced Education

## UPCOMING COURSES—OPEN FOR REGISTRATION NOW

### ADVANCED TECHNIQUES IN NEUROSURGERY

**August 21-22, 2015**

This two day lecture and wet lab course combines a short descriptive lecture format with cadaver laboratories in which a wide variety of different neurosurgical techniques and approaches will be covered. The aim is to provide participants with the opportunity to practice advanced neurosurgical skills while under the guidance of expert neurosurgeons. Lectures and labs will cover approaches to the brain, dorsal approaches to the spine, and lateral approaches to the cervical spine. Spinal distraction and fusion techniques, and placement of ventriculoperitoneal shunts will be reviewed. 17 RACE-approved CE credits offered.

### SAIM ULTRASOUND

**September 18-20, 2015**

This two-and-a-half day lecture and wet lab course is geared to SAIM Diplomates and Candidates who wish to increase their knowledge and expertise in abdominal ultrasound. Areas that will be covered include normal abdominal ultrasound anatomy and appearance, and the appearance of disease in the liver, spleen, kidneys, bladder, adrenal glands, pancreas, and GI tract. Each live animal lab station will be supervised by a Board-certified veterinary radiologist. Attendance is limited due to the ratio of presenters to attendees. 19 RACE-approved CE credits offered.

### ADVANCED CLINICAL CARDIOLOGY

**October 9-10, 2015**

This two day interactive course is geared to SAIM Diplomates and Candidates with an interest in increasing their knowledge and expertise in clinical cardiology. Participants will receive an interactive workbook and rotate through various stations interpreting cardiac graphics and other tests in dogs and cats. The course will also emphasize current management updates for congestive heart failure and pulmonary hypertension. Attendance is limited due to the ratio of presenters to attendees. 16 RACE-approved CE credits offered.

## SAVE THESE DATES:

**January 15-17, 2016**

Equine Cardiology

**April 1-3, 2016**

The Science of Veterinary  
Oncology

**September 23-25, 2016**

SAIM Hepatology

Other ACE courses being planned for 2016 include Advanced Techniques in Neurosurgery, a Boot Camp with Infiniti Medical, and Neuromuscular Disease Update. Check the ACVIM website often for additional course updates and additions.

For more information and to register, please visit [www.acvim.org](http://www.acvim.org) and look under the Education tab. Or, contact the ACVIM at 303.231.9933 or [ACVIM@ACVIM.org](mailto:ACVIM@ACVIM.org).

**WHERE ALL THE ANIMAL OWNERS GO.**



**ACVIM and ACVS have teamed up to create an exciting new resource for animal owners!**

Articles on diseases and conditions • Search for a Specialist Tool  
Social Media • Media Outreach

**VetSpecialists**  
Board-Certified Veterinary Experts

\* All events are located at the Indiana Convention Center unless otherwise noted.

### MONDAY, JUNE 1

TIME	LOCATION*	EVENT	SPONSOR (S)
8:00 am-5:00 pm	Marriott • Columbus	American College of Veterinary Nutrition (ACVN) Certification Exam	

### TUESDAY, JUNE 2

TIME	LOCATION*	EVENT	SPONSOR (S)
8:00 am-12:00 pm	Marriott • Columbus	American College of Veterinary Nutrition (ACVN) Certification Exam	
8:00 am-12:30 pm	103	Academy of Internal Medicine for Veterinary Technicians (AIMVT)/Academy of Veterinary Nutrition Technicians (AVNT) Specialty Exam	
1:00-6:00 pm	102	Academy of Internal Medicine for Veterinary Technicians (AIMVT)/Academy of Veterinary Nutrition Technicians (AVNT) Executive Board Meeting	
3:00-11:00 pm	Marriott • Ballroom 7	American College of Veterinary Nutrition (ACVN) Annual Meeting	

### WEDNESDAY, JUNE 3

TIME	LOCATION*	EVENT	SPONSOR (S)
7:30 am-6:00 pm	Marriott • Ballroom 8-10	American Academy of Veterinary Nutrition (AAVN)/Clinical Nutrition & Research Abstract Symposium Business Meeting & Reception	
5:30-6:30 pm	Marriott • Ballroom 5	Academy of Internal Medicine for Veterinary Technicians (AIMVT)/Academy of Veterinary Nutrition Technicians (AVNT) Reception & Case Presentations Awards	
6:30-8:00 pm	Marriott • Ballroom 7	University of Minnesota Alumni Reception	
6:30-9:00 pm	Marriott • Denver	Academy of Internal Medicine for Veterinary Technicians (AIMVT)/Academy of Veterinary Nutrition Technicians (AVNT) General Membership Meeting	

### THURSDAY, JUNE 4

TIME	LOCATION*	EVENT	SPONSOR (S)
12:00-2:00 pm	207	Tufts Alumni Reception (TCSVM)	
6:30-8:30 pm	Marriott • Ballroom 7	BluePearl Veterinary Partners Team Reception	

### FRIDAY, JUNE 5

TIME	LOCATION*	EVENT	SPONSOR (S)
7:00-7:45 am	208	Association of American Veterinary Medical Colleges (AAVMC) 50th Anniversary Presentation	
6:30-8:30 pm	Marriott • Denver	UC Davis, School of Veterinary Medicine Alumni Reception	
6:30-8:30 pm	Granite City Brewery	University of Illinois College of Veterinary Medicine Alumni Reception	
6:30-9:30 pm	122	Association of Veterinary Hematology and Transfusion Medicine (AVHTM) Reception, Annual Business Meeting & Presentations	

### SATURDAY, JUNE 6

TIME	LOCATION*	EVENT	SPONSOR (S)
6:30-7:50 am	Marriott • Indiana Ballroom F&G	VIN Community Breakfast	
7:00-7:50 am	203	Christian Veterinary Mission Fellowship Breakfast	
12:30-2:00 pm	203	Comparative Gastroenterology Society (CGS) Luncheon	



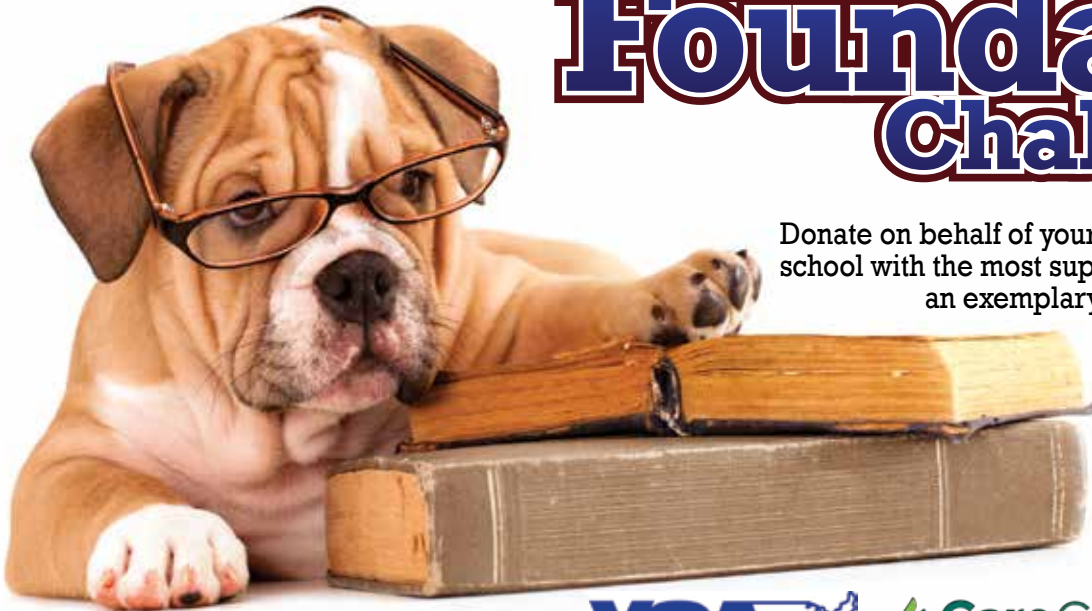


AMERICAN COLLEGE OF VETERINARY INTERNAL MEDICINE

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## ACVIM FOUNDATION SILENT AUCTION



ACVIM FORUM  
June 4th & 5th



Special Thanks to our  
Event Sponsor:



**Don't miss the LIVE AUCTION RECEPTION Friday night near  
the Crossroads Lobby!**

*All proceeds help advance research and public awareness of veterinary specialty medicine.*

\* All events are located at the Indiana Convention Center unless otherwise noted.

## TUESDAY, JUNE 2

### Candidate/Diplomate Picnic and Baseball Game

**Picnic:** 5:30–7:00 pm • Elements Financial Picnic Area

**Game:** 7:15 pm • Reserved Seats in Sections 105 and 106

Victory Field, corner of West and Maryland Streets

*Tickets will be distributed in registration packets for those who pre-registered. A limited number of additional tickets are available. Please inquire at the registration desk.*

It's time to play ball! Spend time catching up with colleagues and meeting new friends while helping Candidates celebrate the end of exams! Join us for drinks and picnic fare at Victory Field followed by the Indianapolis Indians vs. Buffalo Bisons baseball game.

Sponsored by



## WEDNESDAY, JUNE 3

### Specialty Symposium for Diplomates and Candidates

8:00 am–5:00 pm

- Symposiums
- Luncheons
- Diplomate Certificate Ceremonies

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Boehringer  
Ingelheim



### Specialty Symposium Reception

5:30–7:00 pm • Sagamore Foyer

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

Sponsored by



### Oncology Specialty Dinner and Diplomate Certificate Ceremony

7:15–11:00 pm • Indianapolis Zoo | Hulman Riverhouse

*(Pre-registration required)*

Sponsored by



### LAIM Specialty Dinner

7:15–11:00 pm • Granite City Food & Brewery *(Pre-registration required)*

Sponsored by



## THURSDAY, JUNE 4

### Diplomate Exam Review

6:00 am–2:00 pm • Marriott Ballroom 4

ACVIM Diplomates are invited to review the 2015 exams. Feedback and comments provided by those who participate may be used by the Exam Committee for future exams.



### Membership Luncheon and Awards Ceremony

12:30–2:00 pm • Ballroom 500

ACVIM Diplomates and candidates 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 the future.



\* All events are located at the Indiana Convention Center unless otherwise noted.

## THURSDAY, JUNE 4

### ACVIM Diplomate Lounge

7:00 am–5:00 pm  
Located in Hall C



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### BlackwellKing Candidate Lounge

7:00 am–5:00 pm  
Located in Hall C



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### Cardiology Specialty Reception

7:30–10:00 pm • Indianapolis Zoo | Dolphin Gallery *(Pre-registration required)*

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## FRIDAY, JUNE 5

### ACVIM Diplomate Lounge

7:00 am–5:00 pm  
Located in Hall C

Sponsored by



### BlackwellKing Candidate Lounge

7:00 am–5:00 pm  
Located in Hall C

Sponsored by



### Neurology Specialty Dinner

7:00–11:00 pm • Prime 47 *(Pre-registration required)*

Sponsored by



## SATURDAY, JUNE 6

### ACVIM Diplomate Lounge

7:00 am–5:00 pm  
Located in Hall C

Sponsored by



### BlackwellKing Candidate Lounge

7:00 am–5:00 pm  
Located in Hall C

Sponsored by



### THURSDAY, JUNE 4

\* All events are located at the Indiana Convention Center unless otherwise noted.

#### Don't miss this year's Animal Survivor event!

10:00-11:00 am • Hall D

Animal Survivor features stories of amazing animals who have overcome the odds because of extraordinary teamwork between ACVIM Board-certified specialists, general practitioners and animal owners. Join emcee, Tim Doty, morning and noon anchor for CBS4 Indy in Indianapolis, and see how these stories of caring and commitment have made a huge difference to three animals.



#### Dora

An eight-year-old rough collie who suffered from a severe stroke. Dora and her team will be at the event in person.



#### Gus

A young boxer with supraventricular tachycardia (SVT).



#### Lucky

A three-year-old quarter horse who experienced Neonatal Maladjustment Syndrome (NMS) during his birth.

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ACVIM



#### Technician Lunch

12:30-2:00 pm • 120-121

#### Complete Range of Nutritional Solutions for Your GI Patients

Presented by Vicky Ograin, MBA, RVT, VTS (Nutrition)

- GI conditions are commonly seen in dogs and cats.
- These conditions can be stressful for the pet and pet parent.
- Learn about nutritional solutions for your GI patients.

Sponsored by



#### Opening Night Reception

6:00-7:30 pm • Sagamore 3-4

Kick off your conference experience by enjoying good food and drinks while networking with your colleagues. This event is not to be missed!

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ACVIM



#### ACVIM Foundation Silent Auction

9:00 am-5:30 pm • 109

Sponsored by





**Keynote Address:**  
**The Real James Herriot with Mr. Jim Wight**  
 10:30–11:20 am • Sagamore 4

No one was better poised to write the biography of James Herriot than the son who worked alongside him in the Yorkshire veterinary practice when Herriot became a best-selling author of the internationally celebrated

books and popular “All Creatures Great and Small” television series.

Listen as Mr. Wight reveals the man behind the stories—the private individual who refused to allow fame and wealth to interfere with his practice or his family. With access to all of his father’s papers, correspondence, manuscripts and photographs, and intimate recollections of the farmers, locals, and friends who populate the James Herriot books, only Jim Wight could write this definitive biography of the man who was not only his father but his best friend.

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**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)*.



**SMALL ANIMAL • Sagamore 1**

**11:30 am–12:30 pm**

**Management of Seizure Disorders**

**Chair:** Michael Podell, MSc, DVM, DACVIM (Neurology)  
**Co-Chair:** Holger Volk, MRCVS, FHEA, DVM, PhD, DECVN  
**Panel Members:** Mette Berendt, DVM, PhD; Wolfgang Loscher, DVM, PhD; Karen Munana, DVM, DACVIM (Neurology); Edward (Ned) Patterson, DVM, PhD, DACVIM (SAIM); Simon Platt, DECVN, BVM&S, MRCVS, DACVIM (Neurology)

**12:40–1:10 pm**

**Canine and Feline Blood Donor Screening for Infectious Disease**

**Chair:** Jane Wardrop, DVM, MS, DACVP  
**Panel Members:** Adam Birkenheuer, DVM, PhD, DACVIM (SAIM); Marie-Claude Blais, DMV, DACVIM (SAIM); Beth Callan, VMD, DACVIM (SAIM); Barbara Kohn, Prof. Dr. med. Vet, DECVIM-CA; Michael Lappin, DVM, PhD, DACVIM (SAIM); Jane Sykes, BVSc (hons), PhD, DACVIM (SAIM)

**LARGE ANIMAL • Sagamore 2**

**11:30 am–12:00 pm**

**Equine Protozoal Myelitis (EPM)**

**Chair:** Stephen Reed, DVM, DACVIM (LAIM)  
**Panel Members:** Martin Furr, DVM, PhD, DACVIM (LAIM); Amy Johnson, DVM, DACVIM (LAIM & Neurology); Robert MacKay, BVSc, PhD, DACVIM (LAIM)

**12:10–12:40 pm**

**Inflammatory Airway Disease**

**Chair:** Laurent Couetil, DVM, PhD, DACVIM (LAIM)  
**Panel Members:** Jackie Cardwell, MA, VetMB, MScVetEd, PhD, FHEA, MRCVS; Vincent Gerber, PhD, DECEIM, DACVIM (LAIM), FVH; Jean-Pierre Lavoie, DVM, DACVIM (LAIM); Renaud Leguillette, DVM, MSc, PhD, DACVIM (LAIM); Eric Richard, DVM, PhD

**12:50–1:20 pm**

**Streptococcus equi Infection in Horses: Updated Guidelines for Treatment, Control and Prevention of Strangles**

**Chair:** Ashley Boyle, DVM, DACVIM (LAIM)  
**Panel Members:** Benjamin Buchanan, DVM, DACVECC, DACVIM (LAIM); Melissa Hines, DVM, PhD, DACVIM (LAIM); Richard Newton, BVSc, MSc, PhD, DLSHTM, DECVPH, FRCVS; John Timoney, MVB, MRCVS, MS, PhD; Andrew Waller, BSc, PhD

### FRIDAY, JUNE 5

\* All events are located at the Indiana Convention Center unless otherwise noted.



#### Technician Lunch

12:30-2:00 pm • 120-121

Pain Management and the Veterinary Technician  
Presented by:  
Heidi Hulon, DVM

Sponsored by



#### Equine Emerging Issues Luncheon

12:30-2:00 pm • 207

Presented by:  
Steeve Giguere, DVM, PhD, DACVIM (LAIM)  
Peter Morresey, BVSc, MACVSc, DACT, DACVIM (LAIM)  
Moderator: Wendy Vaala, VMD, DACVIM (LAIM)

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#### Student Luncheon: Meet Your Mentors

12:30-2:00 pm • 122

Meet the 2015 ACVIM Forum Mentors and enjoy lunch with some of veterinary medicine's most respected influencers. In addition, honor your peers receiving the ACVIM Certificate of Excellence.

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Connect with these mentors:

Anthony DeCarlo, VMD

Stephen Ettinger, DVM, DACVIM  
(SAIM & Cardiology)

Jason Gagne, DVM

Richard Hepburn, BVSc, MS (Hons),  
CertEM (IntMed), DACVIM (LAIM),  
MRCVS

Stan Marks, BVSc, PhD, DACVIM  
(Oncology), DACVN

Curtis Probst, DVM, DACVIM  
(Neurology), DACVS

Rebecca Stepien, Cardiologist, DVM,  
MS, DACVIM (Cardiology)

Debra Zoran, DVM, PhD, DACVIM  
(SAIM)



#### Wine and Cheese Reception and Poster Viewing

6:00-7:30 pm • Hall C

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.

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A whole new way to view poster presentations! Stop by one of the computers located at the entrance to the poster session and take a look at these electronic posters that may include animation, audio or video to enhance the presentation.



### ACVIM Foundation Silent and Live Auction Events

#### SILENT AUCTION

9:00 am–5:30 pm  
109

#### LIVE AUCTION RECEPTION

7:00–9:00 pm  
Wabash-East

Support research and education in your industry! Challenge your colleagues to a bidding war on an exclusive wine package, relaxing getaway and beautiful jewelry. Enhance your practice with workshops, textbooks, gift certificates for clinic supplies and more! Everyone who bids will receive a free drink ticket to the live auction reception on Friday night where you can mix and mingle while you bid to support advancements in veterinary specialty medicine.

*Special thanks to our  
2015 Auction Sponsor*



## SATURDAY, JUNE 6



### Closing Appreciation Reception

6:00–8:00 pm • Sagamore Foyer

The Closing Appreciation Reception is our way of saying thank you to our speakers, moderators and industry partners. Join others for an intimate reception while unwinding from your week. **By invitation only.**

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**ACVIM  
FORUM**

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

### KEY



Open to ACVIM Diplomates and Invited Guests Only



Luncheons (pre-registration required)




Open to ACVIM Candidates Only

All sessions are located in the Convention Center

## WEDNESDAY JUNE 3



### CARDIOLOGY PROGRAM

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
8:00-8:10 am	Sagamore 3	Cardiology Specialty President Welcome	J. Rush
8:10-9:00 am	Sagamore 3	Educating the Educators	S. Dennis
9:00-9:50 am	Sagamore 3	Pacemaker Implantation: Round Table Review and Update	J. Bonagura, M. Oyama, H. Green, A. Batra
9:50-10:10 am	Sagamore Foyer	<b>BREAK</b>	
10:10-11:00 am	Sagamore 3	SOTA: Remote Demonstration from the Seattle Science Foundation	M. Reisman
11:00-11:50 am	Sagamore 3	Pericardial Disease: Constrictive Pericarditis Secondary to Coccidioidomycosis Thoracoscopic Procedures for Pericardial Disease	W. Church K. Richter
11:50 am-1:10 pm	Sagamore 1-2	Specialty of Cardiology Luncheon & Diplomate Certificate Ceremony	
1:10-1:45 pm	Sagamore 3	OFA Forms: Update and Discussion	A. Gelzer
1:45-3:15 pm	Sagamore 3	Specialty of Cardiology Business Meeting	J. Rush
1:45-3:15 pm	103-104	ACVIM Candidate Function: Understanding Core Statistical Methods Used in the Veterinary Literature ♦	M. Oyama
3:15-3:30 pm	Sagamore Foyer	<b>BREAK</b>	
3:30-4:30 pm	Sagamore 3	How to Survive in Private Practice: Round Table	K. Sanderson, W. Tyrrell, A. Wey
4:30-5:30 pm	Sagamore 3	Working with the Industry: Round Table	C. Atkins, B. Olivier, B. Hamlin
5:30-7:00 pm	Sagamore Foyer	<b>ACVIM SPECIALTY SYMPOSIUM RECEPTION</b>	

♦ ERC Approved Lecture for ACVIM Residency Requirements.



NEUROLOGY PROGRAM



TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
8:00-8:10 am	201-203	Neurology Specialty President Welcome	C. Vite
8:10-9:50 am	201-203	SOTA: Advanced Diagnostics in Epilepsy	K. Davis
9:50-10:05 am	Sagamore Foyer	<b>BREAK</b>	
10:05 am-12:00 pm	201-203	Roundtable: Management of Congenital Intracranial Malformations	C. Dewey, C. Rusbridge, A. Shores
12:00-1:30 pm	233-234	Specialty of Neurology Luncheon & Diplomate Certificate Ceremony	
1:30-2:20 pm	201-203	Paresis Ataxia Research Discussion with Interactive Component	R. Bagley
2:30-3:20 pm	201-203	Intracranial EEG: Changes During AE and Seizure Detection and Seizure Prediction in Dogs and People	N. Patterson
3:20-3:30 pm	Sagamore Foyer	<b>BREAK</b>	
3:30-5:00 pm	201-203	Specialty of Neurology Business Meeting	C. Vite
3:30-5:00 pm	235	ACVIM Candidate Function: Neuropathology	J. Kornegay
5:30-7:00 pm	Sagamore Foyer	<b>ACVIM SPECIALTY SYMPOSIUM RECEPTION</b>	

ONCOLOGY PROGRAM

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
8:00-8:05 am	205	Oncology Specialty President Welcome	J. Bryan
8:05-8:55 am	205	Gene-Environment Interactions and Cancer Risk in Dogs	L. Trepanier
9:00-9:50 am	205	Bartonellosis and Cancer: Is There a Link?	E. Breitschwerdt
9:50-10:05 am	Sagamore Foyer	<b>BREAK</b>	
10:05-11:45 am	205	SOTA: Ligand-targeted Imaging and Therapeutic Agents for Cancer, Autoimmune and Infectious Diseases	P. Low
12:00-1:30 pm	231-232	Specialty of Oncology Candidate/Diplomate Luncheon/ Business Meeting	J. Bryan
1:35-2:25 pm	205	Biomarkers for Targeted Oncology Drugs	T. Mutsaers
2:25-3:15 pm	205	The Purdue, Indiana Experience	D. Knapp
3:15-3:30 pm	Sagamore Foyer	<b>BREAK</b>	
3:30-5:10 pm	205	Resident Review: Training the Immune System to Treat and Prevent Cancer; Progress, Pitfalls and Challenges	N. Mason
5:30-7:00 pm	Sagamore Foyer	<b>ACVIM SPECIALTY SYMPOSIUM RECEPTION</b>	
7:15-11:00 pm	OFFSITE Indianapolis Zoo	<b>ONCOLOGY SPECIALTY DINNER &amp; DIPLOMATE CERTIFICATE CEREMONY</b> (Pre-registration required)	





### LARGE ANIMAL INTERNAL MEDICINE PROGRAM—EQUINE/FOOD ANIMAL



TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
8:00–8:10 am	206	Large Animal Internal Medicine Specialty President Welcome	L. Couetil
8:10–9:40 am	206	Mentoring the Mentors	M. Barton
9:40–10:00 am	Sagamore Foyer	<b>BREAK</b>	
10:00–11:40 am	206	SOTA: Systematic Reviews and Meta-analysis	A. O'Connor, J. Sargeant
11:40 am–12:00 pm	Sagamore Foyer	<b>BREAK</b>	
12:00–1:20 pm	236-237	Specialty of Large Animal Internal Medicine Luncheon & Diplomate Certificate Ceremony	
1:25–1:35 pm	Sagamore Foyer	<b>BREAK</b>	
1:35–3:15 pm	206	Specialty of Large Animal Internal Medicine Business Meeting	L. Couetil
1:35–3:15 pm	235	Candidate Function: Clinical Trial Design and Reporting ♦	A. O'Connor, J. Sargeant
3:15–3:30 pm	Sagamore Foyer	<b>BREAK</b>	
3:30–5:10 pm	206	SOTA: Sepsis	M. Barton
5:30–7:00 pm	Sagamore Foyer	<b>ACVIM SPECIALTY SYMPOSIUM RECEPTION</b>	
7:15–11:00 pm	OFFSITE Granite City Food & Brewery	<b>LARGE ANIMAL INTERNAL MEDICINE SPECIALTY RECEPTION</b> <i>(Pre-registration required)</i>	

♦ ERC Approved Lecture for ACVIM Residency Requirements.

SMALL ANIMAL INTERNAL MEDICINE PROGRAM

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
8:00-8:10 am		Small Animal Internal Medicine Specialty President Welcome	J. Sykes
		<p><b>TRACK 1</b> Gastrointestinal Disease Sagamore 4</p> <p><b>TRACK 2</b> Specialty Reviews for Internists Sagamore 5</p> <p><b>TRACK 3</b> Teaching and Research Sagamore 6-7</p>	
8:15-9:50 am		<p>SOTA: Current Concepts and Pathophysiological Mechanisms of "Lymphocytic Plasmacytic Enteritis", Diet Responsive Enteropathy, Antibiotic Responsive Enteropathy, Granulomatous Colitis in Dogs and Cats K. Simpson</p> <p>SOTA: Current Concepts and Pathophysiological Mechanisms of Crohn's Disease, Ulcerative Colitis and Celiac Disease in Humans B. Sartor</p> <p>Pheochromocytomas and Adrenal Carcinomas: Diagnosis, Supportive Care, and Definitive Treatment S. Axiak-Bechtel, A. Corrigan</p> <p>Paraneoplastic Syndromes: Diagnosis, Supportive Care, and Definitive Treatment S. Axiak-Bechtel, A. Corrigan</p>	<p>Let's Talk: Teaching Effective Communication Skills E. Krick</p> <p>Flipping the Classroom for Small Group Learning J. Smith</p>
9:50-10:00 am	Sagamore Foyer	<b>BREAK</b>	
10:05-11:45 am		<p>Pathophysiology, Diagnosis, and Management of Oropharyngeal Dysphagias in Dogs S. Marks, D. Shelton</p> <p>Esophageal Dysphagias in Dogs: From Benchtop to Bedside S. Marks, D. Shelton</p> <p>The White Coat Effect in Small Animal Medicine A. Carr</p> <p>Hyperkalemia and the ECG: A Tale of Two Diseases A. Carr</p>	<p>Educating the Millennial Veterinary Student C. Ward</p> <p>The Connection Between Dog Health and Ownership on Human Well-Being M. Oyama</p>
12:00-1:30 pm	Sagamore Foyer	<b>LUNCH BREAK (on your own)</b>	
1:30-2:20 pm		<p>Micriobiome and Human CRC: Lessons Learned from Animal Models C. Jobin</p> <p>Developing Immunologic Classification Schemes for Sepsis A. DeClue</p>	<p>Cultivating Attention K. Creevy</p>
2:30-4:20 pm	Sagamore 5	Specialty of Small Animal Internal Medicine Business Meeting (Break 3:15-3:30 pm)	J. Sykes
2:30-4:20 pm	Sagamore 6-7	<p>Candidate Functions: Tracheobronchoscopy in the Diagnosis and Management of Small Animal Respiratory Diseases</p> <p>Uroendoscopy</p>	<p>C. Reiner</p> <p>J. Westropp, L. Adams</p>
4:30-5:20 pm	Sagamore 1-2	<b>New Diplomate Certificate Ceremony and Reception</b>	
5:30-7:00 pm	Sagamore Foyer	<b>ACVIM SPECIALTY SYMPOSIUM RECEPTION</b>	

THURSDAY JUNE 4

TIME	ROOM #	SESSION & DESCRIPTION	SPEAKERS
7:30-10:00 pm	OFFSITE Indianapolis Zoo	<b>CARDIOLOGY SPECIALTY RECEPTION</b> (Pre-registration required)	 

### 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 two years is presented and encompasses new material. Background information is minimal in order to provide sufficient time for new material.

**Research Report** 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 each presentation is comprised of cutting-edge research findings.

### COMPREHENSIVE REVIEW LECTURES

**Comprehensive Review** lectures cover a review of fundamental principles of disease or an area of applied medicine. The 50-minute lectures provide an extensive, critical, up-to-date overview of a topic that is directly or indirectly applicable to veterinary internal medicine. Content is derived from evidence-based reports and similar sources with minimal inclusion of empirical information. The subject matter goes well beyond an advanced graduate or advanced professional student/resident lecture in complexity and depth.

**Fundamental Principles of Disease** lectures feature 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. Speakers are strongly encouraged to include unpublished data.

**Applied Medicine** presentations provide a critical and extensive review of topics directly related to the practice of veterinary internal medicine. The majority of information originates from scientific reports published in the last three to five 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. Each course includes a critical current overview but may also incorporate clinical case examples and other case material. Courses may include two, three or four 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 disease.

## 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
- 

RESEARCH ABSTRACTS

Sag=Sagamore

	RM	9:00-9:50 am	10:30-11:20 am	11:30 am-12:20 pm
<b>Research Abstracts*</b>	234	Cardiology	Cardiology	Cardiology
<b>Cardiology Comprehensive Review</b>	Sag 1-2	Cardiac Manifestations of Chagas Disease in Dogs A. Saunders, S. Gordon	New Insights Into the Commonalities Between Human and Canine Myxomatous Mitral Valve Disease K. Driesbaugh, M. Oyama	Real Time 3D-echocardiographic Assessment in Dogs With Myxomatous Mitral Valve Degeneration M. Borgarelli
<b>Research Abstracts*</b>	233	Oncology	Oncology	Oncology
<b>Oncology Comprehensive Review</b>	Sag 7	Progress in Cancer Immunotherapy: Success on the Path to a Cure J. Modiano	The Evolving Science of Immunotherapeutics in Veterinary Oncology P. Bergman, C. Johannes 	Clinical Application of Immunotherapeutics in Veterinary Oncology P. Bergman, C. Johannes 
<b>Research Abstracts*</b>	232	Neurology	Neurology	Neurology
<b>Research Abstracts*</b>	231	SAIM-Immunology	SAIM-Hematology	SAIM-Hematology
<b>Research Abstracts*</b>	204	SAIM-Nutrition/Metabolism	SAIM-Nutrition/Metabolism	SAIM-Pharmacology
<b>Research Abstracts*</b>	210	SAIM-Gastroenterology	SAIM-Gastroenterology	SAIM-Gastroenterology
<b>Research Abstracts*</b>	239	SAIM-Nephrology/Urology	SAIM-Nephrology/Urology	SAIM-Nephrology/Urology
<b>SAIM Comprehensive Review</b>	Wabash 1-2	Diagnosis of Idiopathic Hypercalcemia: How Much Is Enough to Be Sure? D. Chew	Nutritional Management of Idiopathic Hypercalcemia V. Parker	Oral Alendronate in the Treatment of Idiopathic Hypercalcemia in Cats J. de Brito Galvao
<b>VCRS (Small Animal)</b>	Wabash 3	Making Friends With Your Pulmonary Pathologist: How Histopathology Can Help S. Jennings	Choosing Thoracic Imaging: Conundrums and Conclusions T. Oura	High Flow Oxygen Delivery/Heliox Therapy C. Guenther-Taylor, E. Rozanski
<b>Liver Study Group</b>	Sag 5	Hepatic Biopsy: The Acquisition K. Richter	Hepatic Biopsy: A Pathologist's Perspective J. Cullen	Hepatic Biopsy Interpretation: An Internist's Perspective S. Center
<b>Research Abstracts*</b>	212	Equine	Equine	Equine
<b>Equine Comprehensive Review</b>	235	Crosstalk Between Inflammation and Metabolism: The Hidden Link During Metabolic Dysregulation? V. Lacombe	PPID and Insulin Resistance in the Horse: Perhaps It's Not Just Obesity and Laminitis P. Morresey	CO <sub>2</sub> Metabolism in Health and Disease in Horses M. Vengust
<b>Equine Comprehensive Review</b>	236	Quinidine Cardioversions: Lessons From 35 Years of Clinical Experience V. Reef	Equine Big Data - Yes We Can! M. Duz	Summary of the ECEIM Congress 2014 in Prague M. Duz
<b>Research Abstracts*</b>	201	Food Animal	Food Animal	Food Animal
<b>ACVCP/AAVPT (FAIM)</b>	Sag 6	Metabolics: The Future of Personalized Therapy R. Weinshilboum	Mastitis: Evidence-Based Treatment S. Wagner	Feeding the Global Population M. Davis
<b>FAIM Research Reports/ Comprehensive Review</b>	238	Characterization of the Pathogenicity and Shedding of Bovine Parainfluenza 3 Genotypes B. Newcomer Percutaneous Tube Cystostomy Using a Suprapubic Catheter for Treatment of Obstructive Urolithiasis in Goats K. Simpson	Optimizing Individual and Population Health in Cow-Calf Populations T. Drake	Using Health and Management Records to Optimize Animal Well-being and Profitability in Cow-Calf Operations T. Drake

VISIT EXHIBIT HALL



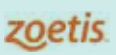
VISIT EXHIBIT HALL

SCIENTIFIC SESSIONS

\* Research Abstracts have unique schedules. Refer to presentation schedule, pages 52-67.

Sag=Sagamore

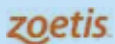
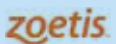
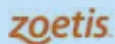
SCIENTIFIC SESSIONS

	RM	2:10-3:00 pm	3:10-4:00 pm	4:25-5:15 pm	5:25-6:15 pm
<b>Cardiology SOTA/Research Abstracts*</b>	Sag 1-2	SOTA: Supraventricular Arrhythmias: Diagnosis and Classification A. Batra	SOTA: Supraventricular Arrhythmias: Treatment: Basics to Breakthroughs A. Batra	Cardiology	Cardiology
<b>Research Abstracts*</b>	232	Neurology	Neurology		
<b>Neurology Comprehensive Review Research Reports</b>	Sag 6	Highs and Lows of Medical Marijuana in the Treatment of Epilepsy M. Podell	A Simplified Method of Walking Track Analysis to Assess Locomotion in Dogs with Acute Spinal Cord Injury S. Moore Attempts to Breed Out Chiari-like Malformation: Is a Cross the Answer? C. Rusbridge	Cytogenic Alterations Define Tumor Subtypes and Key Pathways in Canine Primary Gliomas P. Dickinson Metronomic Chlorambucil Chemotherapy for Canine Gliomas: A Phase I/II Clinical Trial R. Bentley	Evaluation of Systemic MicroRNA Administration for Immunomodulation in the Treatment of Canine Glioma C. Boudreau Onscreen-Guided Brain Tumor Resection via Co-Registration of a Resection Device and Neuronavigation System R. Packer
<b>Oncology Comprehensive Review</b>	Sag 7	Cancer Acid Environment: Implications for Theranostic Approaches E. Spugnini	Electroporation in Oncology: Current Concepts E. Spugnini	Polyunsaturated Fatty Acids and Cancer: Frontiers for Cure and Control? G. Ogilvie	Hyperbaric Oxygen Therapy for the Veterinary Oncologist B. Hershey Hyperbaric Oxygen Therapy for the Veterinary Internist A. Turkell
<b>Research Abstracts*</b>	233	SAIM-Infectious Disease	SAIM-Infectious Disease	SAIM-Infectious Disease	SAIM-Infectious Disease
<b>Research Abstracts*</b>	234	SAIM-Endocrinology	SAIM-Endocrinology	SAIM-Endocrinology	SAIM-Endocrinology
<b>Research Abstracts*</b>	231	SAIM-Gastroenterology	SAIM-Gastroenterology	SAIM-Gastroenterology	SAIM-Gastroenterology
<b>Research Abstracts*</b>	210	SAIM-Other	SAIM-Other		
<b>SAIM Comprehensive Review</b>	Wabash 1-2	Update on Insulin Treatment for Dogs and Cats: Insulin Dosing Pens and More L. Fleeman, P. Lathan, A. Thompson	Subclinical to Mild Hyperthyroidism in Cats: Issues in Diagnosis and Treatment M. Peterson 	Classical, Pseudo, and Atypical Hypoadrenocorticism in the Dog: Diagnosis and Treatment R. Nichols 	Advances in Maximizing a Diabetic Remission J. Rand
<b>AAVN/ACVN (SAIM)</b>	Sag 5	Long Term Follow-up of Aged Cats Fed Different Sodium Content Diets B. Reynolds	Dog Digestive Sensitivity According to Size: A Summary of 16-year Research M. Weber	Oxidative Damage and Antioxidants: More Than Disease Prevention D. Mustacich 	Measuring Antioxidants and Oxidative Damage D. Mustacich
<b>ACVCP/AAVPT</b>	Wabash 3	Feline Drug Metabolism and Disposition: Differences Between Cats and Dogs and Other Species M. Court	Therapeutic Management of Gastrointestinal Diseases in Cats J. Gookin	Management of Feline Inflammatory Airway Diseases C. Reinero	Evidence-Based Treatment of Chronic Renal Diseases in Cats J. Quimby 
<b>ASVCP</b>	205	Discussion of Challenging Cases of Feline Hematology J. Harvey	Discussion of Challenging Cases of Canine Hematology J. Harvey	Diagnosis of Infectious Agents in Blood Films: Challenging Cases J. Johns	Diagnosis of Infectious Agents by Tissue Cytology: Challenging Cases J. Johns
<b>ASVNU</b>	204	Pharmacologic Considerations in Kidney Disease M. Papich	Managing Anemia in CKD C. Langston Urinary Bladder Eicosanoid Metabolism in Cats With FIC J. Kruger	Similarities and Differences in Urinary Tract Infections in Companion Animals and Humans J. Blondeau	Decision Making in Urinary Tract Infection and Bacteriuria S. Weese Asymptomatic E.coli Strains for Treatment of Recurrent UTI J. Westropp

VISIT EXHIBIT HALL

\* Research Abstracts have unique schedules. Refer to presentation schedule, pages 52-67.

Sag=Sagamore

	RM	2:10–3:00 pm	3:10–4:00 pm	4:25–5:15 pm	5:25–6:15 pm
<b>AVHTM</b>	<b>206</b>	Panel Discussion of How I Medically Manage ITP D. Bianco, D. LeVine, A. Mackin	Panel Discussion of Transfusion Management of ITP D. Bianco, D. LeVine, E. Rozanski	Panel Discussion of Transfusion Management of Trauma M. Holowaychuk, M. McMichael, L. DeLuca	Panel Discussion of Transfusion Management of Trauma M. Holowaychuk, M. McMichael, L. DeLuca
<b>Research Abstracts*</b>	<b>212</b>	Equine	Equine	Equine	Equine
<b>Equine Comprehensive Review</b>	<b>235</b>	Overview of Drug Compounding P. Dowling	Case Discussions: Compounding Errors M. Mallicotte, B. David	AVMA Task Force on Compounding/Pharmacy Regulations and USP Standards G. Magdesian USP Standards, Pharmacy Law and the DVM W. Gwin	Panel Discussion: Drug Compounding P. Dowling, G. Magdesian, M. Mallicotte, B. David, W. Gwin
<b>Equine SOTA/ Comprehensive Review</b>	<b>236</b>	SOTA: The Human Microbiome in the Context of Other Mammals R. Knight	SOTA: The Human Microbiome in the Context of Other Mammals R. Knight	Transfusion Medicine in Horses: What We Know, What We're Learning, What's to Come R. Nolen-Walston	
<b>Research Abstracts*</b>	<b>239</b>				Food Animal
<b>FAIM Comprehensive Review</b>	<b>237</b>	Tools for Monitoring Animal Health in Feedlot and Grower Operations C. Booker	Using Individual Animal Information in Decision-making for Feedlot Populations C. Booker	Uterine Diseases in Post-Partum Dairy Cattle B. Credille	Acute Puerperal Metritis: Risk Factors and Current Concepts on Prevention B. Credille
<b>FAIM Comprehensive Review</b>	<b>238</b>	Q Fever in Ruminants: An Animal and Human Health Issue R. Guatteo	Antimicrobial Use and Resistance From a European Perspective R. Guatteo	Petting Zoos: The Good, the Bad and the Biohazardous M. Anderson	Economic Impact of Schmallenberg Virus Infection in Swiss Dairy Herds M. Meylan
<b>Business Management</b>	<b>202</b>	Referral Relationships: Identifying Strengths and Weaknesses K. Gavzer 	Referral Relationships: Targeting Strengths and Weaknesses K. Gavzer 	Referral Relationships: Keeping Clients Happy K. Gavzer 	Referral Relationships: Maximizing Client Care K. Gavzer 

VISIT EXHIBIT HALL

SCIENTIFIC SESSIONS

\* Research Abstracts have unique schedules. Refer to presentation schedule, pages 52-67.

## VISIT THE EXHIBIT HALL!

### Hall D

Learn about the latest products and technologies from top companies. Evaluate products and services firsthand. See page 69 for the exhibit hall map and page 70 for a list of exhibitors.

### Hours:

Thursday, June 4                      9:30 am–5:00 pm  
Friday, June 5                         9:30 am–5:00 pm



Sag=Sagamore

	RM	8:00-8:50 am	9:00-9:50 am
<b>Research Abstracts*</b>	235	Cardiology	Cardiology
<b>Neurology SOTA</b>	Sag 6	SOTA: Novel Therapies in Epilepsy and Translation to Clinics D. Friedman	SOTA: Sudden Death in Epilepsy D. Friedman
<b>Oncology SOTA</b>	204	SOTA: Urogenital Cancer in People D. Petrylak	SOTA: Urogenital Cancer in People D. Petrylak
<b>Research Abstracts*</b>	234	SAIM-Hepatology	SAIM-Hepatology
<b>Research Abstracts*</b>	233	SAIM-Respiratory	SAIM-Nephrology/Urology
<b>SAIM Comprehensive Review</b>	Sag 5	Blastocystis in Companion Animals C. Ruaux	Histoplasmosis in the Dog and Cat A. Hanzlicek
<b>SAIM Comprehensive Review</b>	Sag 1	Rational Use of Antacid Therapy in the Dog and Cat S. Marks	Introduction to the Emerging Piprant Therapeutic Class of Prostanoid Receptor Antagonists K. Kirkby Shaw
<b>SAIM Comprehensive Review</b>	Sag 2	Thoracic Radiography vs. Computed Tomography: Optimizing Imaging for Respiratory Case Management C. Reinero	Update on Respiratory Therapeutics: Lessons From Human Medicine? L. Nafe
<b>SAIM Comprehensive Review from Europe</b>	Sag 3	Understanding Feline CKD: Pathogenesis and Progression R. Jepson	Understanding Feline CKD: Mineral and Bone Disorder R. Jepson
<b>SAIM Research Reports</b>	Sag 7	Treatment of Feline Hypersomatotropism-efficacy, Morbidity, and Mortality of Hypophysectomy P. Kenny Duration of Fasting but Not Diurnal Variation Affects the Response to Glucagon in Healthy Cats C. Gilor	A Feline-Specific Anti-NGF Antibody is Safe and Effective for the Alleviation of Inflammatory Pain in Cats D. Gearing Spike Gene Mutations in Feline Coronavirus and their Correlation to Feline Infectious Peritonitis C. Leutenegger
<b>CAPC</b>	201	Forecasting of Heartworm Prevalence and the Impact of Prevention D. Bowman	Forecasting of the Prevalence of Canine Tick-transmitted Diseases and the Impact of Parasite Control and Vaccination D. Bowman
<b>ISCAID</b>	211	FIP: Virology and Immunopathogenesis N. Pedersen	FIP: Diagnostics and Therapeutics N. Pedersen
<b>Research Abstracts*</b>	232	Equine	Equine
<b>Equine Comprehensive Review</b>	238	Equine Neuroaxonal Dystrophy: Genetic and Nutritional Factors C. Finno	Vitamin E Supplementation in Horses C. Finno
<b>Equine Research Reports</b>	237	Clinical and Necropsy Evaluation of Acute Lung Injury and Acute Respiratory Distress Syndrome in Neonatal Foals D. Bedenice Metabolic Responses to a Standardized Exercise Test in Arabian Horses with Exertional Rhabdomyolysis E. McKenzie	Longitudinal Effect of a Multi-Strain Probiotic on the Microbiota of Neonatal Foals A. Schoster Skeletal Muscle Gene Expression Profile in Type 1 Polysaccharide Storage Myopathy M. McCue
<b>FAIM SOTA</b>	239	SOTA: Perceptions and Realities of Organic Dairy Production: History and Issues for Today J. Velez	SOTA: Perceptions and Realities of Organic Dairy Production: Opportunities for the Future J. Velez

VISIT EXHIBIT HALL

### SIGNATURE EVENTS

10:30-11:20 am

**KEYNOTE ADDRESS**  
**THE REAL JAMES HERRIOT WITH MR. JIM WIGHT**  
Author, Veterinarian



Sagamore 4

Sponsored by



11:30 am-1:30 pm

### CONSENSUS STATEMENT DRAFTS

**SMALL ANIMAL**  
Sagamore 1

**Management of Seizure Disorders**  
**Canine and Feline Blood Donor Screening for Infectious Disease Update**

**LARGE ANIMAL**  
Sagamore 2

**Equine Protozoal Myelitis (EPM) Update**  
**Inflammatory Airway Disease Update**

**Streptococcus equi Infection in Horses: Updated Guidelines for Treatment, Control and Prevention of Strangles**

\* Research Abstracts have unique schedules. Refer to presentation schedule, pages 52-67.



Sag=Sagamore

SCIENTIFIC SESSIONS

	RM	2:10-3:00 pm	3:10-4:00 pm		4:25-5:15 pm	5:25-6:15 pm
<b>Cardiology Comprehensive Review</b>	Sag 1	Renocardiovascular Function: Beyond RAAS G. Culshaw	Cardiorenal Syndrome: A Multidisciplinary Approach J. Orvalho, L. Cowgill		Canine Cardiovascular Pathology P. Fox	Feline Cardiovascular Pathology P. Fox
<b>Cardiology Research Reports</b>	Sag 2	Effects of Canine Wharton's Jelly Mesenchymal Stem Cell Conditioned Media on Canine Valvular Interstitial Cells V. Yang Cardiac Biomarkers and Semi-Dominance in a Genetic Model of Feline Hypertrophic Cardiomyopathy J. Stern	Safety and Biocompatibility of the Mitrex® Epicardial Annuloplasty Device in a Chronic Model J. Solomon Echocardiographic Assessment of Left Atrial Size in Horses: Diameter or Area, Does It Matter? C. Schwarzwald		Evaluation of Point-of-Care Lung Ultrasound (VetBlue Protocol) for the Diagnosis of Cardiogenic Pulmonary Edema in Dogs and Cats with Acute Dyspnea T. DeFrancesco Use of NT-proBNP and cTnI Concentrations to Detect Heart Disease in Whippets R. Stepien	Stent Angioplasty for Treatment of Balloon Resistant Canine Valvular Pulmonic Stenosis S. Swift Online Survey to Assess Inter- and Intra-Observer Agreement on Echocardiographic Classification of Cardiomyopathy in Cats V. Luis Fuentes
<b>Neurology Comprehensive Review</b>	Sag 6	MRI of Intracranial Malformations in Dogs and Cats E. MacKillop	Peripheral Nerve Sheath Tumors J. Berg		Biomarkers in Veterinary Neurology C. Mariani	Translation of Next Generation Genomics Into Clinical Diagnosis D. O'Brien
<b>Oncology Comprehensive Review</b>	Sag 7	Personalized Chemotherapy for Canine Lymphomas: Are We There Yet? M. Childress 	Rescue Protocols for Canine Lymphoma J. Wypij		Role of Chemoimmunotherapy for Canine Lymphoma G. Ogilvie	Apheresis and Canine Bone Marrow Transplantation S. Suter
<b>Oncology Research Reports</b>	201	Antineoplastic Effects of Auranofin in Canine Lymphoma Cells D. Thamm Rebacfosadine and Prednisone: Efficacy of a Q21 Day Administration Schedule in Canine Lymphoma D. Thamm	Total Pelvic Irradiation with Simultaneous Boost in Canine Urinary Transitional Cell Carcinoma M. Dolera Hypo-Fractionated Stereotactic Brain-Sparing Irradiation of Stage IV Canine Nasal Tumors L. Malfassi	VISIT EXHIBIT HALL	Investigation of the FOXM1 Transcriptional Pathway in Canine Lymphoma J. Wypij Tubulin-Modulating Effects of the Anthelmintic Mebendazole in Feline Cancer J. Wypij	Anti-CD20 Monoclonal Antibody Canine Lymphoma Therapy: A Double-Blind, Randomized, Placebo-Controlled Study G. Ogilvie Preclinical Comparison of Three Indenoisquinolines Candidates in Tumor-Bearing Dogs A. LeBlanc
<b>SAIM SOTA/ Research Reports</b>	Sag 5	SOTA: Genomics and Genetics in Veterinary Medicine: An Overview M. Breen	SOTA: Genomics and Genetics: Cancer in the Domestic Dog: A Genome With Two Tales M. Breen			Evaluation of Weight Loss Over Time in Cats with Chronic Kidney Disease L. Freeman Proteinuria in Miniature Schnauzer Dogs With and Without Hypertriglyceridemia E. Furrow
<b>SAIM Post-Graduate Course</b>	Sag 3	Case-based Applications of Abdominal FAST (AFast) and Thoracic FAST (TFast) G. Lisciandro	The Gallbladder Halo Sign: More Than Anaphylaxis G. Lisciandro		Lung Ultrasound in Small Animals: The Vet BLUE G. Lisciandro	Global FAST Triad for Patient Monitoring and CPR G. Lisciandro
<b>ASVCP</b>	206	Advanced Diagnostics for Lymphoproliferative Diseases - Case Discussions D. Seelig	Classification of Lymphoproliferative Diseases - Case Discussions D. Seelig		Validation of Tissue Bank Specimens A. MacNeill	Histiocytic Neoplasms: Markers and Treatment Options A. MacNeill
<b>ISCAID</b>	211	Vaccines and Vaccinology M. Day	Vaccination Against Bordetella bronchiseptica in Dogs: A Critical Review of the Literature J. Ellis		Vaccination Against Canine Leptospirosis G. Moore	Parvoviruses in Cats, Dogs and Wildlife: Viruses and Vaccines C. Parrish



Sag=Sagamore

SCIENTIFIC SESSIONS

	RM	2:10-3:00 pm	3:10-4:00 pm	4:25-5:15 pm	5:25-6:15 pm	
SCIENTIFIC SESSIONS	<b>SCE</b>	Wabash 2	Glucagon in Diabetes T. Hannon	Diabetic Ketoacidosis in Children T. Hannon	Feline Hyperaldosteronism H. Kooistra	Feline Thyroid Storm C. Ward
	<b>VECCS</b>	Sag 4	Recognizing and Managing Acute Kidney Injury M. Kerl	Complicated Feline Urinary Obstruction M. Kerl	Non-regenerative Anemias in Dogs A. Koenigshof	Approach to the Bleeding Patient A. Koenigshof
	<b>Equine Comprehensive Review</b>	238	The Gut Microbiota: Can We Predict and Prevent Gastrointestinal Disease S. Weese	Inflammatory Bowel Disease of the Horse B. Sykes	Nutritional Options for the Critically Ill Equine R. Hepburn	Fluid Therapy and the Equine Patient with Gastrointestinal Disease G. Hallowell, L. Pantaleon
	<b>Equine Research Reports</b>	237	Blood and CSF Alpha-tocopherol and Selenium Concentrations in Neonatal Foals with NAD C. Finno Transcranial Magnetic Motor Evoked Potential Latencies and Axon Loss in Equine Cervical Stenotic Myelopathy C. Alcott	Novel Determinant Confers Macrolide, Lincosamides, and Streptogramin B Resistance in <i>Rhodococcus equi</i> S. Giguere Determining Optimal Sampling Site for <i>Streptococcus equi</i> Carriers Using a Loop-mediated Isothermal PCR Assay A. Boyle	Pro-resolution Mechanisms of Inflammation in Equine Recurrent Airway Obstruction: Tamoxifen as a New Therapeutic Option B. Uberti Impact of Prolonged Hyperinsulinaemia on Insulin Signaling Pathway in Equine Striated Muscle and Digital Lamellae V. Lacombe	Tissue Microdialysis Studies of Equine Lamellar Energy Metabolism and Microvascular Blood Flow C. Medina-Torres Incretins Potentiate the Insulin Response to Oral Glucose in Insulin-Resistant Ponies M. de Laat
	<b>FAIM Comprehensive Review</b>	239	Utilizing Population Data for Systematic Analysis of Health Interventions in Dairies G. Poppy	Objective Evaluation of Health Interventions in Dairy Populations G. Poppy	Key Considerations When Examining the Cost of Disease M. Overton	Quantification of the Cost of Disease via the Economic Assessment Tool M. Overton
	<b>FAIM Research Reports</b>	236	Pharmacokinetics of Extended Release Formulation of Eprinomectin in Adult Alpacas and Use in Alpacas with Mange D. Bedenice Development of a Zinc Implant-Based Model for Urolithiasis in Goats M. Jones	Efficacy of Different MLV Vaccines Administered to Calves Subsequently Challenged with BVDV or BVDV and BoHV-1 M. Chamorro Comparison of Johne's Disease Prevalence on Organic and Conventional Dairy Farms in Pennsylvania M. Fecteau	Clinical Trial Evaluating Metabolism of Colostral and Plasma Derived Immunoglobulin G in Jersey Bull Calves M. Chigerwe Plasma Lipidomic Profile in Cows During the Transition Period and in Cows with Fatty Liver C. Gerspach	Bayesian Estimation of the Accuracy of Clinical Examination and Ultrasonography for Diagnosing Calves Pneumonia S. Buczinski Milk Feeding Level and Housing Impact on Disease Incidence and Subsequent Productivity of Dairy Calves M. Prado
	<b>Business Management</b>	202	Developing a Successful Social Media Marketing Strategy E. Garcia	Developing a Reputation Management Strategy E. Garcia	How to Maximize the Value of ACVIM Specialists L. Pantaleon	Diagnostic Testing as a Tool to Enhance the Referral Relationship L. Dunn, S. Willis

VISIT EXHIBIT HALL

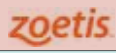


Sag=Sagamore

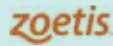
	RM	8:00-8:50 am	9:00-9:50 am	10:30-11:20 am	11:30 am-12:20 pm
<b>Cardiology Comprehensive Review</b>	Sag 1-2	Screening for Subaortic Stenosis in Boxers in Italy S. Crosara	An Update on Irish Wolfhound Cardiac Disease: The North American Experience W. Tyrrell	Anesthesia for the Cardiac Patient Undergoing Non-Cardiac Procedures K. Mama	Anesthesia for the Cardiac Patient Undergoing Surgical Attenuation of Their Disease K. Mama
<b>Cardiology Research Reports</b>	Wabash 2	Feline Hypersomatotropism is a Naturally Occurring, Reversible Cause of Myocardial Remodeling K. Borgeat Diagnostic Value of Right Pulmonary Artery Distensibility Index in Dogs with Pulmonary Hypertension L. Visser			
<b>Neurology Research Reports</b>	Sag 6	Canine Peripheral Nerve Sheath Tumors: MRI, Palliation, Surgery, and Stereotactic Radiotherapy M. Dolera Peripheral Glycemia in Dogs with Limb Thrombosis: A Prospective Study M. Dolera	Surgical Stabilization of Canine Lumbosacral Spine with Stop Screws and Iliac Wing Screws M. Dolera Frameless Stereotaxy for Vertebral Implant F. Wininger	PLA Bead Treatment of Refractory Epilepsy in Dogs R. Clemmons The Spectrum of Inherited Myopathies in Young Labrador Retrievers G. Shelton	Mutation in Laryngeal Paralysis/Polyneuropathy with Ocular Abnormalities and Spongiform Encephalopathy D. O'Brien Paroxysmal Non-kinesogenic Dyskinesia in Soft Coated Wheaten Terriers: Mutation and Response to Acetazolamide D. O'Brien
<b>Oncology Clinical Workshop</b>	Sag 7	Controversies in Oncology: Lymphoma Phenotyping and Staging C. Clifford, P. Bergman	Controversies in Oncology: Mast Cell Tumor Panels C. Clifford, P. Bergman	Controversies in Oncology: Metronomic Therapy C. Clifford, P. Bergman	Controversies in Oncology: Melanoma Vaccine C. Clifford, P. Bergman
<b>Oncology Research Reports</b>	Wabash 3	Combination Lm-LLO Immunotherapy Plus Radiation Delays Tumor Progression and Prolongs Survival in Osteosarcoma N. Mason Association Between Body Condition Score and Survival in Dogs with Lymphoma and Osteosarcoma C. Heinze			
<b>ISCAID</b>	211			<b>10:00-11:00 am</b> The New Canine Influenza Virus (H3N2): Identification and Characteristics E. Dubovi, K. Toohey-Kurth	<b>11:00 am-12:00 pm</b> The New Canine Influenza Virus (H3N2): Clinical Disease and Epidemiology C. Crawford, L. Guptill
<b>SAIM Comprehensive Review</b>	Sag 5	Metabolic Consequences of GI Dysbiosis and Inflammation J. Suchodolski	Protein-losing Enteropathies: Hypoalbuminemia Is Not Always Bad News M. Willard	Traditional/Non-traditional Therapies for IBD: Evidence-based Approach A. Jergens	Food Responsive Chronic Diarrhea: The View of the Internist and the Nutritionist V. Biourge, O. Dossin
<b>SAIM Post-Graduate Course</b>	Sag 4	Hospital Acquired Infections: Risk Factors and Pathogens D. Spann	Hospital Acquired Infections: Preventative Strategies D. Spann	Pets & Public Health: Conveying the Balance of Risks and Benefits M. Anderson	FIV: An Evidence-based Clinical Review of Naturally-Acquired Infection A. Litster
<b>SAIM Clinical Workshop</b>	Sag 3	Underlying Disease Screening in Dogs With Immune-Mediated Hemolytic Anemia L. Kidd	Perspectives on Immune-Mediated Disease J. Toll	Evidence Based Approach to Immune-Mediated Disease J. Toll	The Best Veterinary Immunology Papers of 2014 L. Kidd

BREAK

SCIENTIFIC SESSIONS



	RM	8:00-8:50 am	9:00-9:50 am		10:30-11:20 am	11:30 am-12:20 pm	
SCIENTIFIC SESSIONS	<b>SAIM Research Reports</b>	<b>204</b>	Neutrophil Extracellular Trapp Formation is Increased in Dogs with Immune Mediated Hemolytic Anemia S. Smith Feline T. foetus Cytotoxicity can be Inhibited by Selective, Small-molecule Cysteine Protease Inhibitors K. Tolbert	Outcome Following Ureteral Stent Placement in Dogs for Benign Ureteral Obstructions: 44 Dogs (57 Ureters) 2009-2013 A. Berent Prognostic Value of SDMA to Creatinine Ratio in Dogs and Cats with Chronic Kidney Disease M. Yerramilli	BREAK	Epigenetics and CD8+ T Cell Dysfunction in an FIV Model J. Fogle Pharmacokinetics of Voriconazole in Healthy Cats P. Vishkautsan	Pain Management and End of Life Care: Results of a National, Cross-Sectional, Survey of Small Animal Owners R. Heuberger Discovery and Clinical Effectiveness of a Composition That Promotes Hair Growth (Patent Pending) H. Okawa
	<b>CGS</b>	<b>231</b>	Antiemetics: Pharmacology and Human Use E. Ehrenpreis How I Use Antiemetics on the Clinic Floor D. Twedt	Rational Selection and Use of Gastric Acid-Suppressants Medications K. Tolbert		Motility Modifying Drugs E. Ehrenpreis How I Use Motility Modifiers on the Clinic Floor F. Gaschen	Anti-inflammatories and Immune Modulators: Treatment Options for Inflammatory Bowel Disease E. Ehrenpreis How I Use Anti-inflammatories on the Clinic Floor A. Jergens
	<b>VCRS</b>	<b>208</b>	Pleuropneumonia: Approach to Prevention, Diagnosis and Treatment in Large Animals W. Gilsean, R. Nolen-Walston	Infectious Causes of Respiratory Distress: Calves, Crias, Foals, Kittens, Puppies and Adults D. Bedenice, E. Rozanski		Non-Infectious Causes of Respiratory Distress: Calves, Crias, Foals, Kittens, Puppies and Adults D. Bedenice, R. Nolen-Walston, E. Rozanski	Adult Food Animal Respiratory Case Studies W. Gilsean Vitamin D in Pulmonary Disease C. Sharp
	<b>Equine Comprehensive Review/Research Reports</b>	<b>108</b>	Altered Plasma Cortisol Binding Dynamics During Critical Illness in Horses and Foals K. Hart	Use of Daily Diclazuril Pelleted Top Dress for the Prevention of Sarcocystis neurona Infection in Foals N. Pusterla The Effect of Oral and Intravenous Dextrose on C-Peptide Secretion in Ponies M. de Laat		The Prevalence of Large Intestinal Mucosal Pathology in Horses Being Euthanized for Non-gastrointestinal Reasons D. Knottenbelt Medical Alternatives to Conventional Cyclooxygenase Inhibitors for Treatment of Acute Foot Pain in Horses J. Foreman	Initial Characterization of the Tracheal Microbiomes in Healthy Horses and Horses with Heaves J. Montgomery
	<b>Equine Clinical Workshop</b>	<b>239</b>	Serum Amyloid A: Revisiting its Clinical Application in Equine Practice B. Barr	How to Use L-Lactate Clinically: Which Measures are Useful in Which Case? P. Wilkins		Internal Medicine in the Mobile Practice J. Watson, L. Beard	Analgesia for Equine Visceral Pain C. Sanchez
	<b>FAIM Post-Graduate Course</b>	<b>238</b>	Hyperketonemia in Early Lactation Dairy Cattle: Epidemiology J. McArt	Hyperketonemia in Early Lactation Dairy Cattle: Diagnostics and Treatment J. McArt		Update on Porcine Epidemic Diarrhea Virus in the U.S. D. Van Metre	The Veterinarians' Role in Managing Patients With Regulatory Concerns D. Van Metre
	<b>One Medicine</b>	<b>205</b>	Spontaneous Animal Models: Unsung Heroes J. Modiano, D. Brown	The Healthcare Community's Role in Animal-Assisted Therapy L. Freeman, C. Olsen		Zoonotic Diseases: Learning From Yesterday, Planning for Tomorrow P. Conrad, M. Long	One Health Panel: Research Synergies Between Veterinarians and Physicians D. Thamm, R. Cianciolo, N. Moise
	<b>Business Management</b>	<b>202</b>	Respectful Cat Handling vs. Cat Wrangling: From the Cat's Point of View M. Scherk	Respectful Cat Handling vs. Cat Wrangling: Putting Perspective Into Your Practice M. Scherk		Improving Client Compliance in the Feline Practice M. Scherk	Home Care and End of Life Issues M. Scherk
	<b>ACVIM Foundation Research Reports</b>	<b>206</b>	Bartonellosis: A One Health Approach to an Emerging Infectious Disease E. Breitschwerdt	Aldosterone Deficiency: More Common Than You Think E. Behrend			



Sag=Sagamore

	RM	2:10-3:00 pm	3:10-4:00 pm	4:25-5:15 pm	5:25-6:15 pm
<b>Cardiology Clinical Workshop</b>	Sag 1-2	Can We Standardize Left Atrial Measurements? M. Rishniw	Heartworm Resistance to Macrocytic Lactones: Disaster, Myth or Wake-up Call? C. Atkins <i>zoetis</i>	Canine Heartworm Disease: What has Changed? C. Atkins <i>zoetis</i>	Feline Heartworm Disease: Basics to Breakthroughs C. Atkins <i>zoetis</i>
<b>Neurology Comprehensive Review/Research Reports</b>	Sag 6	Thoracolumbar IVDD in English Cocker Spaniels S. De Decker	Update on Disseminated Idiopathic Skeletal Hyperostosis in Dogs S. De Decker	Evaluation of Hemodynamics and Immunologic Changes in the Dog Brain After Experimental Intracerebral Hemorrhage B. Kang Serum Melatonin Levels in Normal Dogs and Dogs with Seizures S. Thomovsky	Paralyzed Pets and Ethical Considerations P. Kenny
<b>Neurology Clinical Workshop</b>	201	Clues From Appearance and Posture R. Bagley	The Importance of Step Distance and Sequence at Gait R. Bagley	Interpreting Exaggerated Movements S. Sanders	Interpreting Restricted Movements S. Sanders
<b>Oncology Comprehensive Review</b>	Sag 7	Through the Looking Glass: Research Partnership with Industry M. Lucroy	Paraneoplastic Syndromes J. Wypij	Novel Cancer Therapies: Year in Review D. Thamm <i>VETDC</i>	Nanotherapeutics in Veterinary Oncology S. Axiak-Bechtel
<b>SAIM Comprehensive Review</b>	204	Reassessment of Normal Values in Dogs and Cats with Chronic Kidney Disease G. Grauer	SDMA for Early Detection of Chronic Kidney Disease J. Hall	Inappetence in Feline CKD: Exploring Etiology and Treatment Options J. Quimby	Exploring Options for Recurrent UTI S. Vaden
<b>SAIM Comprehensive Review</b>	Sag 5	Pulmonary Thromboembolism: Risk Factors and Prevention J. Thomason	Hemolytic Blood Transfusion Reactions in Dogs: Recognition and Prevention M. Blais	<b>BREAK</b>	Flow Cytometry for the Internist O. Garden
<b>SAIM Clinical Workshop</b>	Sag 3	Thyroid Carcinoma: Diagnosis, Supportive Care and Definitive Treatment S. Axiak-Bechtel, A. Corrigan	APUDomas: Diagnosis, Supportive Care and Definitive Treatment S. Axiak-Bechtel, A. Corrigan		Feline Obesity: Causes, Consequences and Management J. Rand
<b>SAIM Post-Graduate Course</b>	Sag 4	Understanding the Adaptive Immune Response: Intracellular Pathogens J. Fogle	Understanding the Adaptive Immune Response: Extracellular Pathogens J. Fogle		T Regulatory Cells in Neoplasia, Autoimmunity, Inflammation, and Infectious Disease J. Fogle
<b>VECCS</b>	Wabash 1	Immune Mediated Hemolytic Anemia: Beyond Steroid Therapy L. Bacek	Recognition and Treatment of the Hypercoagulable Canine Patient L. Bacek	Revisiting Plasma Transfusions: Indications and Controversies Associated with Fresh Frozen Plasma A. Odunayo	Review of Top Five Transfusion Related Journal Articles in the Last Year A. Odunayo
<b>Equine Post Graduate Course</b>	239	Understanding Challenges with Detection and Control of Salmonella P. Morley	Diarrhea in Young Foals A. Whitehead	Current Topics in Neonatal Gastrointestinal Disease and Related Sonography C. Navas, J. Palmer	Neonatal Physiology and the Stressed Neonate J. Palmer
<b>AAVN/ACVN (FAIM)</b>	237	Impact, Monitoring, and Management of Hyperketonemia in Transition Dairy Cows D. Nydam	Dry-Cow Energy: Effects on Muscle and Fat in Peripartum Dairy Cattle S. Mann	Nutrition, Growth and Health in Milk-fed Dairy Calves J. Drackley	Management Around Weaning: The Other Transition Period J. Drackley
<b>FAIM Clinical Workshop</b>	238	When Treating Down Cows Becomes an Opportunity G. Fecteau	Complete Orthopedic Examination of Down Cows: Diagnosis and Prognostication A. Desrochers	Best Papers in Livestock Health A. Woolums, P. Morley	Best Papers in Livestock Health A. Woolums, P. Morley

SCIENTIFIC SESSIONS

### WEDNESDAY JUNE 3

TIME	ROOM #	SESSION	SPEAKER(S)
7:00-9:00 pm	201	<b>SIG:</b> ISCAID Panel Discussion: Lyme Update: Diagnosis, Treatment, and Prevention (IS170)	M. Littman, G. Moore, M. Labato, R. Goldstein



### THURSDAY JUNE 4









TIME	ROOM #	SESSION	SPEAKER(S)
6:30-8:30 am	207	<b>Commercial Presentation:</b> Best Practices in Wound Closure (IS02) <i>Breakfast included.</i>	G. Brown
8:00-10:00 am	202	<b>Workshop:</b> Interpretation of Heart Sounds and Murmurs in Small Animals and Horses (IS05)	C. Kwart
8:00 am-12:00 pm	107	<b>Workshop:</b> Tracheal and Urethral Stenting: From Theory to Clinical Practice (IS10) Fee: \$350	B. Hardy
10:30 am-12:30 pm	237	<b>SIG:</b> Equine/Cardiology: (IS12) Heart Rate Variability Analysis in Horses: Conventional and Novel Approach Can HRV Analysis Make Detection of Exercising Arrhythmias Easier? Echocardiographic Evaluation of Right Ventricular Function in Horses: The Forgotten Ventricle?	C. Schwarzwald, K. Mitchell, A. Decloedt
12:30-1:00 pm	Hall D	<b>Lunch and Learn</b> in the Exhibit Hall: Canine and Feline Cystoscopy How to Advance Diagnostic and Therapeutic Endeavors (IS14) <i>Boxed lunch served.</i>	A. Berent
7:30-8:30 pm	212	<b>Case Discussion:</b> Respiratory Distress in Small Animals: A Cardiologist's and Criticalist's Perspectives (IS15)	M. Pashmakova, S. Gordon
	211	<b>SIG:</b> The Interrelationship Between Diabetes and Periodontal Disease (IS20)	S. MacGee
7:30-9:30 pm	238	<b>Case Discussion:</b> Emergency Room ECGs in Small Animals: Interpretation and Management (IS35)	C. Atkins, M. Ames
	237	<b>Case Discussion:</b> Upper Urinary Tract: Canine and Feline Case Discussions (IS45)	G. F. Grauer
	102	<b>Case Discussion:</b> The Good, the Bad, the Ugly and the Brutal (IS50)	M. Willard
	236	<b>Case Discussion:</b> Cancer Cytology (IS55)	D. Thamm
	235	<b>Case Discussion :</b> Equine Neurology (IS60)	M. Furr
	234	<b>SIG:</b> FAIM (IS65)	C. Luby
	233	<b>SIG:</b> Equine Endocrinology (IS70)	J. Kritchevsky
	232	<b>SIG:</b> Advances in Critical Care Medicine in 2015 (IS75)	B. Brainard, E. Rozanski, C. Sharp
	231	<b>Workshop:</b> Taking and Interpreting Cervical Radiographs in the Horse (IS80)	R. Hepburn
	205	<b>Workshop:</b> How to Set Up an Efficient PCR-based Diagnostic Laboratory in Your Clinic? (IS85)	S. Kapil
8:30-9:30 pm	210	<b>Case Discussion:</b> Feline Upper Respiratory Tract Infections: A Review of Pathogens and Therapeutics (IS22)	A. Litster
	201	<b>Case Discussion:</b> Irritable Bowel Syndrome: Does it Exist? (IS25)	M. D. Craven

## FRIDAY JUNE 5

### BREAKFAST WITH THE EXPERTS (Attendance Limited to ACVIM Diplomates and ACVIM Candidates Only)

TIME	ROOM #	SESSION	SPEAKER(S)
6:30-8:30 am	120-121	What's New, Interesting or Fun about CKD, UTI, Urolithiasis and Feline Interstitial Cystitis (FIC)? (IS90) Fee: \$30	J. Westropp, D. Chew
	209	Welfare and the Food Supply Veterinarian (IS95) Fee: \$30	J. Reynolds, J. Shearer
	203	Medical Management of Laminitis (IS100) Fee: \$30	T. Divers, A. Van Epps

### INTERACTIVE SESSIONS

TIME	ROOM #	SESSION	SPEAKER(S)
6:30-8:30 am	122	<b>Commercial Presentation:</b> Introduction to a New Kidney Biomarker, SDMA (IS102) <i>Breakfast included.</i> 	J. Robertson
6:30-8:30 am	123-124	<b>Commercial Presentation:</b> New Therapeutic Advances in Inappetence for Pets (IS101) <i>Breakfast included.</i> 	J. Allen, A. Cook
8:00-10:00 am	210	<b>Workshop:</b> Small Animal ECGs for Internists and Candidates (IS105) 	A. Carr
8:00 am-12:00 pm	107	<b>SIG:</b> Impact of Therapeutic Apheresis and Dialysis on Health and Wellness (IS110)	JD Foster, L. Cowgill, S. Suter, S. Ross, G. Ogilvie
12:30-2:00 pm	123	<b>ISCAID Luncheon:</b> (IS112) Antimicrobial Stewardship Programs for Companion Animal Veterinarians  Killing of Staphylococcus Pseudintermedius and E. coli Clinical Isolates by Various Antimicrobials using Clinically Relevant Drug Concentrations: Relevance for Therapy in Companion Animals 	J. Sykes J. Blondeau
12:30-2:00 pm	207	<b>SIG:</b> Equine Emerging Issues Luncheon (IS114) 	S. Giguere, P. Morresey, W. Vaala
1:00-1:30 pm	Hall D	<b>Lunch and Learn</b> in the Exhibit Hall: Diagnostic Laparoscopy, Liver Biopsy and More (IS113) <i>Boxed lunch served.</i> 	D. Twedt
4:00-6:00 pm	107	<b>SIG:</b> GI Endoscopy: What's Your Diagnosis? (IS115)	M. Leib, M. Matz
7:30-9:30 pm	201	<b>Case Discussion:</b> Diagnosis of Regenerative Anemias in Dogs and Cats (IS130)	H. Tvedten
	238	<b>Case Discussion:</b> Diagnosis and Treatment of Small Animal Infectious Diseases (IS135)	J. Veir, C. Thompson
	237	<b>Case Discussion:</b> Large Animal Cardiology: Tips for Practice (IS140)	K. Mitchell
	236	<b>Case Discussion:</b> Therapy of Diabetes Mellitus in Dogs and Cats (IS145)	L. Luther
	234	<b>Case Discussion:</b> Emergency Case Presentations (IS155)	S. Marks
	233	<b>Case Discussion:</b> ECG Rounds: Challenging Arrhythmias (IS40)	G. Rapoport, W. Rausch
	239	<b>Case Discussion:</b> Abdominal Ultrasound in Cattle (IS30)	C. Gerspach
	232	<b>SIG:</b> Liver Study Group (IS160) 	D. Twedt, J. Cullen, A. Johnston
	231	<b>SIG:</b> Society of Comparative Endocrinology (SCE) (IS165) 	T. Schermerhorn
	202	<b>SIG:</b> Hot Topics in Dermatology (IS175)	R. Rosychuk
	204	<b>Workshop:</b> Credentials and Case Report Session for Candidates and Their Mentors (IS185)	C. Finno
	208	<b>Workshop:</b> Practical Tips for Transitioning from Academia to Private Practice (IS125)	H. Kvitko-White, W. Whitehouse

## SATURDAY JUNE 6

### BREAKFAST WITH THE EXPERTS (Attendance Limited to ACVIM Diplomates and ACVIM Candidates Only)

TIME	ROOM #	SESSION	SPEAKER(S)
6:30-8:30 am	120-121	New Developments in Immunosuppressive Drug Therapy (IS190) Fee: \$30	A. Mackin, T. Archer
	122	Details and Patterns of Arrhythmias (IS195) Fee: \$30	R. Santilli, S. Moise
	123	Care of the Critical Camelid (IS200) Fee: \$30	C. Cebra, E. McKenzie

### INTERACTIVE SESSIONS

TIME	ROOM #	SESSION	SPEAKER(S)
8:00-10:00 am	107	<b>Workshop:</b> Principles and Techniques of Upper/Lower GI Endoscopy (IS205)	A. Jergens
11:00 am-1:00 pm	207	<b>Lunch and Learn:</b> Let's Give 'em Something to Talk About (IS210)	K. Gavzer
2:00-4:00 pm	107	<b>Workshop:</b> Microbiology Topics that Professors did not Discuss in the Class: What do these Test Results Mean for Patient Management in a Veterinary Clinic? (IS215)	S. Kapil





## LUNCHES

### THURSDAY JUNE 4

12:30-2:00 pm • 120-121

#### Complete Range of Nutritional Solutions for Your GI Patients



*Presented by Vicky Ograin, MBA, RVT, VTS (Nutrition)*

- GI conditions are commonly seen in dogs and cats.
- These conditions can be stressful for the pet and pet parent
- Learn about nutritional solutions for your GI patients

Sponsored by



### FRIDAY JUNE 5

12:30-2:00 pm • 120-121

#### Pain Management and the Veterinary Technician

*Presented by Heidi Hulon, DVM*



Sponsored by



## CASE REPORTS

### WEDNESDAY JUNE 3

Sponsored by

TIME	ROOM #	SESSION	SPEAKER(S)
12:55-1:45 pm	105-106	Medical and Nutritional Management of Short Bowel Syndrome and Refeeding Syndrome in a Dog Following a Second Intestinal Resection	H. Lynch, LVT
	105-106	Obesity, Lameness, and Kidney Disease	A. Cox, LVMT
1:45-3:00 pm	105-106	Central Nervous System Cryptococcus in a Canine	C. Noyes, RVT, CVT
	105-106	<i>Cytauxzoon felis</i> in a 14 month old Domestic Shorthair	L. Price, LVMT
	105-106	Tracheal Stenting: A Collapsing Trachea Dog's Last Hope	S. Lewis, BS, CVT, VTS (SAIM)
3:00-3:15 pm		<b>BREAK</b>	
3:15-4:30 pm	105-106	Focal Tetanus in a Cat	B. Laflen, RVT
	105-106	Jerky Treats and Fanconi Syndrome in a Dog	A. Kujacznski, LVT
	105-106	Patent Foramen Ovale with Right-to-Left Shunting in a Dog with Pulmonic Stenosis	J. West, LVMT
4:30-5:20 pm	105-106	Using Therapy Laser to Heal Crushing Injury to the Carpus from a Leg Trap	R. Houyoux, CVT, LVT, CVDT, VNA
	105-106	Osteosarcoma: Mestastic Regression	D. DeCormier, LVT

## THURSDAY JUNE 4

### SCIENTIFIC SESSIONS

TIME	ROOM #	SESSION	SPEAKER(S)
8:00-8:50 am	105-106	A Break Down of Cardiovascular Physiology: The Wigger's Diagram	H. Niehaus, RVT
	103-104	Breeding Soundness Examination in the Stallion for Credentialed Veterinary Technicians	S. Sandoval, LVT, VTS
9:00-9:50 am	105-106	Anesthesia in Cardiac Patients	C. Stauthammer, DVM, DACVIM
	103-104	Solutions for IV Solutions: Ag Animal IV Fluids	S. Sandoval, LVT, VTS
10:30-11:20 am	105-106	Hyperthyroid Cats Have Hearts Too	K. Garcia, LVT, VTS
	103-104	MRSA in Horses and Equine Personnel	M. Anderson, DVM, DVCs, PhD, DACVIM
11:30 am-12:20 pm	105-106	Dilated Cardiomyopathy: The Trouble With Having a Big Heart	M. St. John, LVT, VTS
	103-104	Equine Dermatology: Common and Not So Common Diseases	S. White, DVM, MS, DACVIM
2:10-3:00 pm	103-104	Chemotherapy Safety and Administration	K. Smith, RVT, VTS
	105-106	Alternative and Raw Diets: Enlightening Clients to Benefit Patients	E. Carlson, CVT, VTS (Nutrition)
3:10-4:00 pm	103-104	Making Sense of Lymphoma Diagnostics	J. Intile, MS, DVM, DACVIM
	105-106	Nutritional Approach for Challenging Diabetic Felines	E. Carlson, CVT, VTS (Nutrition)
4:25-5:15 pm	103-104	Radiation Oncology for Veterinary Technicians: Biology, Physics and Therapy	J. Lawrence, DVM, DACVR, DACVIM
	105-106	Nutrition and Acid-Base Balance	A. Wortinger, BIS, LVT, VTS
5:25-6:15 pm	103-104	Respiratory Tumors in Dogs and Cats: Updates on Current Options and Outcomes	J. Lawrence, DVM, DACVR, DACVIM
	105-106	Current Recommendations on Feeding Dogs and Cats Through Vomiting	A. Wortinger, BIS, LVT, VTS

### TECHNICIAN WORKSHOPS

TIME	ROOM #	SESSION	SPEAKER(S)
8:00-10:00 am	108	Feeding Tube Management, Complications & Advanced Nutritional Calculations (TW1)	A. Wortinger, BIS, LVT, VTS K. Burns, MS, MEd, LVT, VTS
7:30-8:30 pm	108	Achieving VTS-Internal Medicine, Cardiology, Neurology, Oncology or Nutrition (TW2)	L. Merrill, LVT, VTS

## FRIDAY JUNE 5

### SCIENTIFIC SESSIONS

TIME	ROOM #	SESSION	SPEAKER(S)
8:00-8:50 am	Wabash 1	Equine Metabolic Syndrome and Nutrition	K. Burns, MS, MEd, LVT, VTS
	105-106	Central Lines: Placement, Indications, and Usage	J. Karalunas, LVT, VTS
9:00-9:50 am	Wabash 1	Nutritional Management of Equine Obesity	K. Burns, MS, MEd, LVT, VTS
9:00-9:50 am	105-106	Myths and Facts of Transfusion Medicine	K. Yagi, BS, RVT, VTS

## FRIDAY JUNE 5 (CONTINUED)

### SCIENTIFIC SESSIONS

TIME	ROOM #	SESSION	SPEAKER(S)
11:30 am-12:20 pm	Wabash 1	Forage Quality and Balancing a Forage-Based Diet for Horses DACVN	M. Shephard, DVM, Ph.D.
	105-106	Management of Canine Immune-Mediated Hemolytic Anemia	L. Nafe, DVM, DACVIM
2:10-3:00 pm	Wabash 1	Gait Analysis in Neurology Patients	K. Inzana, DVM, PhD, DACVIM
	105-106	Bloodwork Monitoring During Chemotherapy	J. Wypij, DVM, MS, DACVIM
3:10-4:00 pm	Wabash 1	Managing Spinal Cord Injury: Rehabilitation and Ethical Dilemmas	P. Kenny, BVSc, DACVIM, DECVN
	105-106	Cytological Look at Commonly Presenting Effusions	A. Oliver, LVT, VTS
4:25-5:15 pm	Wabash 1	A Collaborative Approach to Neurological Disorders	E. MacKillop, DVM, DACVIM; M. Wille, RVT
	105-106	Canine Mast Cell Tumors: All You Need to Know!	T. Moore, BVSc, MVSc, DACVIM
5:25-6:15 pm	Wabash 1	Recurrent UTIs Can Anything Really be Done to Stop Them	S. Vaden, DVM, Ph.D, DACVIM
	105-106	Multidisciplinary Approach to Lymphadenomegaly and Lymphadenopathy	S. Axiak-Bechtel, DVM, DACVIM; A. Corrigan, DVM, MS, DACVIM

### TECHNICIAN WORKSHOPS

TIME	ROOM #	SESSION	SPEAKER(S)
10:30 am-12:00 pm	108	Fundamental Endoscopy for the Veterinary Technician (TW3)	M. Hall, RLATG, RVT, LVT, CVT, VTS; S. Sandoval, LVT
2:00-4:00 pm	108	First 24 Hours Septic Equine Neonatal Workshop (TW4)	R. Borchardt, CVT S. Sandoval, LVT

## SATURDAY JUNE 6

### SCIENTIFIC SESSIONS

TIME	ROOM #	SESSION	SPEAKER(S)
8:00-8:50 am	237	Immunosuppressive Treatment for Meningioencephalitis	M. Wille, RVT
	Wabash 1	Dealing with a Difficult Doctor: Support Staff's Guide to Sanity in the Workplace	J. Karalunas, LVT, VTS
9:00-9:50 am	237	Introduction to Electrodiagnostics for Veterinary Technicians	E. MacKillop, DVM, DACVIM
	Wabash 1	Communicating Difficult Diagnostic Testing/Medical Cases to Pet Owners	S. Willis, DVM, DACVIM
10:30-11:20 am	237	Clinical Assessment of Spinal Injured Patients	L. Cook, DVM, DACVIM
	Wabash 1	Secret Tricks They Never Taught You in CVT School	A. Declue, MS, DVM, DACVIM; D. Spann, DVM, DACVIM
11:30 am-12:20 pm	237	Movement Disorders	D. O'Brien, DVM, PhD, DACVIM
	Wabash 1	Arterial Blood Gases	K. Yagi, BS, RVT, VTS
2:10-3:00 pm	Wabash 2	Cardiac Auscultation: How to Interpret What You Hear	W. Rausch, DVM, DACVIM
	236	Lithotripsy for Canine Nephroliths/Ureteroliths	J. Commons, RVT, VTS
3:10-4:00 pm	Wabash 2	Cardiac Embryology Review for Veterinary Technicians	H.E. Durham, CVT, LATG
	236	Diagnostics of Gastrointestinal Disease	T. Hill, DVM, PhD, MCRVS, DACVIM
4:25-5:15 pm	Wabash 2	So Your Puppy Has a Murmur?	K. Sederquist, RVT, VTS
	236	Polycythemia	M. Hall, RLATG, RVT, LVT, CVT, VTS
5:25-6:15 pm	Wabash 2	Blood Pressure Measurement and Abnormal Blood Pressure	H.E. Durham, CVT, LATG
	236	Neospora for the Veterinary Technician: LA & SA	M. Hall, RLATG, RVT, LVT, CVT, VTS

### ORAL PRESENTATIONS

#### CARDIOLOGY\*

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
9:00 am	C-1	234	Cardiac Specific Calcium Uptake Genes Expressed in Peripheral Blood Effectively Reflect Myocardial Distress Induced By Hemodynamic Change	Junseok Lee
9:15 am	C-2	234	<b>Differentiating Cardiac Vs Non-Cardiac Causes of Pleural Effusion in Cats Using Plasma and Pleural Fluid with a Point-of-Care NT-proBNP Test</b>	Melanie Hezzell
9:30 am	C-3	234	<b>Pre-Specified Escalation of Medical Therapy Reduces Plasma NT-proBNP Concentrations in Dogs with Stable CHF Due to Mitral Valve Disease</b>	Melanie Hezzell
9:45 am	C-4	234	<b>Biological Variability of N-Terminal Pro-Brain Natriuretic Peptide in Adult Healthy Cats</b>	Autumn Harris
<b>BREAK</b>				
10:30 am	C-5	234	Microna Signaling Networks in a Canine Model of Mitral Regurgitation	SeungWoo Jung
10:45 am	C-6	234	Effect of Acute Volume Overload on the Left Atrial Phasic Function in Healthy Dogs	Tatsuyuki Osuga
11:00 am	C-7	234	Doppler Echocardiographic Assessment Of Left Ventricular +Dp/Dt and -Dp/Dt in Dogs with Chronic Mitral Valve Disease	Caio Nogueira Duarte
11:15 am	C-8	234	Clinical Characteristics in 35 Dogs Over 5 Years of Age Diagnosed with Patent Ductus Arteriosus	Bruno Boutet
11:30 am	C-9	234	Evaluation of the Correlation Between Serum Homocysteine Concentrations and the Severity of Mitral Valve Disease	Lee Chang-Min
11:45 am	C-10	234	Echocardiographic Diagnosis and Outcome of Constrictive Pericardial Disease in Dogs (18 Cases: 2002-2013)	Justin Thomason
12:00 pm	C-11	234	<b>Timolol Ophthalmic Solution for Diastolic Function Testing in Cats: A Pilot Study of Heart Rate and Echocardiographic Effects</b>	Catherine Gunther-Harrington
12:15 pm	C-12	234	Changes in the Biomechanics of the Left Ventricle in Healthy Young and Adult Great Danes	Ilaria Spalla
<b>BREAK</b>				
4:30 pm	C-13	Sagamore: 1-2	Plasma L-Citrulline Concentrations in L-Arginine-Treated Dogs: A Pilot Study for the Treatment of Pulmonary Hypertension	Kelly Flynn
4:45 pm	C-14	Sagamore: 1-2	Left Atrial Volume Obtained By Biplane Simpson Method in Healthy Dogs: Body Weight and Body Surface Area	Fernando Rosa
5:00 pm	C-15	Sagamore: 1-2	Determination of Lactate Threshold in Dogs with Degenerative Mitral Valve Disease Submitted to Incremental Exercise Test	Aparecido Camacho
5:15 pm	C-16	Sagamore: 1-2	Familial Ventricular Arrhythmias and Sudden Cardiac Death in The Young Rhodesian Ridgeback	Kathyn Meurs
5:30 pm	C-17	Sagamore: 1-2	NT-proBNP and Troponin I (Ctni) Levels As Screening Biomarkers in Irish Wolfhounds	William Tyrrell

*\*Also See Small Animal Cardiology abstracts C-18-C-25, Friday, June 5, 8:00 am - 10:00 am.*

#### NEUROLOGY

9:00 am	N-1	232	Neuroprotective Effects of Dantrolene and Mesenchymal Stem Cells on Acute Spinal Cord Injury	Bruno Torres
9:15 am	N-2	232	Congenital Myasthenic Syndrome in Jack Russell Terriers Is Caused By a Frameshift Mutation in CHRNE	G. Diane Shelton
9:30 am	N-3	232	<b>Prognostic Indicators for the Functional Outcome of Deep Pain Negative Dachshunds</b>	Kathryn Winger
9:45 am	N-4	232	<b>Retrospective Evaluation of Horses Diagnosed with Lyme Neuroborreliosis on Postmortem Examination: 13 Cases (2004-2014)</b>	Laura Johnstone
<b>BREAK</b>				

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## ORAL PRESENTATIONS

<b>NEUROLOGY</b> <i>(continued)</i>				
TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
10:30 am	N-5	232	Brain Herniation in 113 Cats: A Descriptive Study	Maria Ines de Freitas
10:45 am	N-6	232	<b>Evaluation of Temozolomide and Gadolinium Conjugated PLGA Microcylinders in the Canine Brain</b>	Jill Hicks
11:00 am	N-7	232	<b>Biomechanical and Radiological Comparison Between Transarticular Screw Fixation and 2 Multi-Implant Constructs for Ventral Atlantoaxial Stabilization in the Dog</b>	Guillaume Leblond
11:15 am	N-8	232	<b>Computed Tomography Guided Sterotaxic Navigation of the Canine Thoracolumbar Spine</b>	Nicholas Archambault
11:30 am	N-9	232	<b>Pharmacokinetics of Single Dose Rectal Zonisamide in Healthy Dogs</b>	Jennifer Michaels
11:45 am	N-10	232	Fenestration of the Lateral Ventricle in the Management of Obstructive Hydrocephalus in Young Small Animals	Andy Shores
12:00 pm	N-11	232	Clinical Characteristics and Outcome of Cases Diagnosed with Electrographic Seizure in 73 Dogs and 13 Cats	Liana Granum
12:15 pm	N-12	232	Utility of a Clinical Scoring System and Ocular Pharmacological Tests for Ante-Mortem Diagnosis of Feline Dysautonomia	Thomas Cave
			<b>BREAK</b>	
2:15 pm	N-13	232	<b>Utility of Von Frey Anesthesiometry to Assess Recovery of Sensory Function After Thoracolumbar Intervertebral Disc Extrusion in Dogs</b>	Rachel Song
2:30 pm	N-14	232	Endoscopic Laminectomy Technique in Dogs with Hansen Type I Disc Disease	Natalya Ulanova
2:45 pm	N-15	232	An Internet Survey of the Approach to Neurosurgical Emergencies By ACVECC Diplomates	Elizabeth Parsley
3:00 pm	N-16	232	Neuroprotective Effects of Riluzole and Dantrole Association on Acute Spinal Cord Injury	Bernardo Martins
<b>ONCOLOGY</b>				
9:00 am	O-1	233	Phase I Lead-in and Subsequent Randomized Trial Assessing Safety and Modulation of Regulatory T Cell Numbers Following a Maximally Tolerated Dose Doxorubicin and Metronomic Dose Cyclophosphamide Combination Chemotherapy Protocol in Tumor-Bearing Dogs ( <i>VCS Award Winner</i> )	Rachel Rasmussen
9:15 am	O-2	233	Inhibition of Hedgehog Signaling Inhibits Proliferation in Canine Transitional Cell Carcinoma ( <i>VCS Award Winner</i> )	Tonya Gustafson
9:30 am	O-3	233	Adjuvant Alpha-Tocopherol & Improved Anticancer Efficacy in an Immune Competent Pre-Clinical Model	Michelle Beehler
9:45 am	O-4	233	<b>Metronomic Antiangiogenic Therapy After Amputation and Suramin/ Doxorubicin Chemotherapy Does Not Improve the Disease Free Interval or Survival in Retired Racing Greyhounds with Osteosarcoma</b>	Francisco Clemente-Vicario
			<b>BREAK</b>	
10:30 am	O-5	233	<b>Investigating NQOL As a Radiation Inducible Enzyme in Osteotropic Neoplasms and Targeted Therapy with the Novel Drug Deoxyxyboquinone</b>	Alycen Lundberg
10:45 am	O-6	233	A Prospective, Open-Label Study Evaluating Treatment of Canine B-Cell Lymphoma with L-Asparaginase, Doxorubicin and a Canine Anti-CD20 Monoclonal Antibody	Carlos Rodriguez Jr.
11:00 am	O-7	233	Characterization of Immunoglobulin Gene Use and Mutation Status in Canine B Cell Chronic Lymphocytic Leukemia	Emily Rout
11:15 am	O-8	233	Molecular Changes Associated with the Development of Resistance to Imatinib in an Imatinib Sensitive Canine Neoplastic Mast Cell Line Carrying a Kit C. 1523>T Mutation	Masato Kobayashi

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## ORAL PRESENTATIONS

**ONCOLOGY** (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
11:30 am	O-9	233	Fixed Dose Rate Gemcitabine in the Cat	Crystal Garnett
11:45 pm	O-10	233	Pharmacokinetics and Bioavailability of Metformin in Dogs	Charlotte Johnston
12:00 pm	O-11	233	Genescan Analysis for the Differentiation of Clonal Origin of Cells in Dogs That Developed Two Different Types of Lymphoid Malignancies	Saaya Hiyoshi

**SMALL ANIMAL—GASTROENTEROLOGY**

9:00 am	GI-1	210	Effect of Gastrointestinal Parasites and Viral Agents on Fecal S100A12 Concentrations in Puppies	Romy Heilmann
9:15 am	GI-2	210	Prolonged Administration of Prednisolone Alone or in Combination with Azathioprine Alters Serum Canine Pancreatic Lipase Immunoreactivity (Spec cPLTM) in Dogs	Hiroshi Ohta
9:30 am	GI-3	210	The Effect of the Probiotic Sivoytm on Fecal Microbial Composition in Healthy Dogs	Blake Guard
9:45 am	GI-4	210	Quantitative and Qualitative Identification of Feline <i>Tritrichomonas Foetus</i> Surface Antigens: Putative Targets for Diagnosis and Treatment	Emily Gould
			<b>BREAK</b>	
10:30 am	GI-5	210	Cytopathological Findings of Fecal or Rectal Cytology Samples From Dogs Identified with or without the Presence of <i>Cydiclomyces guttulatus</i>	Jenessa Winston
10:45 am	GI-6	210	Natural History of Biliary Sludge in Dogs	Stefanie DeMonaco
11:00 am	GI-7	210	Identification of Histamine Receptors in the Canine Gastrointestinal Tract	Alyssa Sullivant
11:15 am	GI-8	210	Alterations in Fecal Metabolite Profiles of Dogs with Chronic Enteropathy	JB Honneffer
11:30 am	GI-9	210	Targeted Serum Amino Acid Analysis of Hypocobalaminemic Dogs with Decreased or Increased Serum Folate Concentrations	Rosana Lopes
11:45 am	GI-10	210	Serum Amino Acid Analysis in Hypocobalaminemic Dogs with Exocrine Pancreatic Insufficiency	Rosana Lopes
12:00 pm	GI-11	210	Effects of an Oral Supplement Based on Chondroitin Sulfate, Resistant Starch, and Prebiotics in Dogs with IBD	Sergi Segarra
12:15 pm	GI-12	210	Gastrointestinal Endoscopic Mucosal Lesion Scores in Healthy Dogs Receiving Prednisone, Aspirin, and Omeprazole	Jacqueline Whittemore
			<b>BREAK</b>	
2:15 pm	GI-13	231	Characterization of Canine Dysphagia in a Veterinary University Hospital	Cecily Bonadio
2:30 pm	GI-14	231	Ability of Ultrasound to Predict the Presence and Location of Histologic Lesions in the Small Intestine of Cats	Talia Guttin
2:45 pm	GI-15	231	Prognostic Factors for Short- and Long-Term Survival in Dogs with Protein-Losing Enteropathy	Paola Gianella
3:00 pm	GI-16	231	Evaluating Quality and Adequacy of Gastrointestinal Samples with Reusable and Disposable Forceps	Jennifer Sinclair
3:15 pm	GI-17	231	Double-Blind, Placebo-Controlled Ultrasonographic Evaluation of the Effects of Antiemetic Drugs on Antral Motility and Gastric Emptying in Healthy Dogs	Kelli Bogard
3:30 pm	GI-18	231	Evaluation of the Effects of a 2-Week Treatment with Metronidazole on the Fecal Microbiome of Healthy Dogs	Erin Olson
3:45 pm	GI-19	231	Gastrokine mRNA Expression Is Up-Regulated in Gastric Tissue From Dogs with <i>Helicobacter</i> Colonization but without Inflammatory Change	Mellora Sharman
			<b>BREAK</b>	
4:30 pm	GI-20	231	Fecal Short-Chain Fatty Acid Concentrations in Dogs with Chronic Enteropathy	Yasushi Minamoto
4:45 pm	GI-21	231	Assessment of Serum Lipoprotein Profiles in Dogs with Chronic Enteropathy and Healthy Control Dogs	Tomomi Minamoto

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## ORAL PRESENTATIONS

## SMALL ANIMAL—GASTROENTEROLOGY (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
5:00 pm	GI-22	231	Serum Homocysteine Concentrations in Greyhounds	Niels Grützner
5:15 pm	GI-23	231	Effect of the Probiotic <i>Enterococcus faecium</i> SF 68 on Presence of Diarrhea in Weanling Kittens	Stanley Marks
5:30 pm	GI-24	231	Fecal N-Methylhistamine Concentrations in Dogs with Exocrine Pancreatic Insufficiency	Joseph Parambeth
5:45 pm	GI-25	231	The Effect of the Probiotic Sivoy™ on Clinical and Histopathological Parameters in Cats with Chronic Idiopathic Constipation and Megacolon	Giacomo Rossi
6:00 pm	GI-26	231	Effects of a Synthetic Serine Protease Inhibitor, Camostat Mesilate (FOY-305), on Markers of Pancreatic Acinar Cell Damage, Inflammation, and Fibrosis in Dogs with Suspected Naturally Occurring Chronic Pancreatitis	Tim Kretzschmar

## SMALL ANIMAL—IMMUNOLOGY

9:00 am	IM-1	231	<b>Thymidine Kinase, C-Reactive Protein and Vitamin D Concentrations in Dogs with Immune-Mediated Thrombocytopenia and Immune-Mediated Hemolytic Anemia</b>	Megan Grobman
9:15 am	IM-2	231	Comparison of Proliferative and Immunomodulatory Potential of Adipose-Derived Mesenchymal Stem Cells From Young and Old Cats	Lara Barron
9:30 am	IM-3	231	Association of a Variant Allele in the Dog Leukocyte Antigen Class I Gene DLA-79 with Multiple Canine Autoimmune Diseases	Steven Friedenber

## SMALL ANIMAL—HEMATOLOGY

10:30 am	HM-1	231	<b>The Individual and Combined Effects of Long-Chain N-3 Polyunsaturated Fatty Acids and Low-Dose Acetylsalicylic Acid on Platelet Function in Healthy Dogs</b>	Shannon Westgarth
10:45 am	HM-2	231	Dogs Cast Nets Too: Neutrophil Extracellular Traps in Health and Immune-Mediated Hemolytic Anemia	Unity Jeffery
11:00 am	HM-3	231	Effects of Leukoreduction on Coagulation Factors in Canine Fresh Frozen Plasma	Michelle Foote
11:15 am	HM-4	231	Production and Characterization of Anti-Dal Antibodies Following Sensitization of a Dal-Negative Dog	Stéphanie Goulet
11:30 am	HM-5	231	Effects of Leukoreduction and Storage on Phosphatidylserine Expression on Canine Packed Red Blood Cells	Samantha Muro
11:45 am	HM-6	231	Pre-Operative Evaluation of Hemostatic Biomarkers in Stable Dogs Undergoing Splenectomy for Splenic Masses	AM Lynch

## SMALL ANIMAL—INFECTIOUS DISEASE

2:15 pm	ID-1	233	Canine Vector-Borne Disease Prevalence in Dogs From the Southeastern United States Diagnosed with Immune-Mediated Hemolytic Anemia and/or Immune-Mediated Thrombocytopenia	Edward Breitschwerdt
2:30 pm	ID-2	233	Evaluation of the FIP Virus Realpcr® Test and the Impact of Sample Selection on the Detection of the Virulent Strain of Feline Coronavirus in FIP Suspect Cats	Nancy Sanders
2:45 pm	ID-3	233	<i>Anaplasma phagocytophilum</i> and <i>Borrelia burgdorferi</i> Infections in Cats Exposed Repeatedly to <i>Ixodes scapularis</i>	Michael Lappin
3:00 pm	ID-4	233	Comparison of Results of 2 Assays Detecting <i>Dirofilaria immitis</i> Antigen and <i>Ehrlichia canis</i> Antibodies Using Samples From High and Low Risk Regions	Michael Lappin
3:15 pm	ID-5	233	Attempted Transmission of <i>Bartonella henselae</i> to Cats By Ingestion of Infected <i>Ctenocephalides felis</i>	Michael Lappin
3:30 pm	ID-6	233	Multiple Drug Resistance in Canine Urinary Tract Pathogens	Erin Burton
3:45 pm	ID-7	233	Splenitis in Dogs: A Review of 33 Cases (2005-2013)	Filippo Ferri
			<b>BREAK</b>	

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## ORAL PRESENTATIONS

**SMALL ANIMAL—INFECTIOUS DISEASE** (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
4:30 pm	ID-8	233	<b><i>Cyniclomyces guttulatus</i> From Domestic Dogs and Laboratory Rabbits Have Distinct Genotypes</b>	Jenessa Winston
4:45 pm	ID-9	233	Comparison of 2 Commercially Available PCR Assays for the Amplification of <i>Ehrlichia</i> Spp. DNA From Blood of Naturally Exposed Dogs in Oklahoma	Madeline Anna
5:00 pm	ID-10	233	Infection of <i>Babesia conradae</i> in Hunting Greyhounds From Oklahoma	Jennifer Thomas
5:15 pm	ID-11	233	Cross-Species Transmission of Canine Parvovirus 2 to Healthy Shelter Kittens	Christian Leutenegger
5:30 pm	ID-12	233	Serologic and Molecular Surveillance to Predict Prevalence of Canine Vector-Borne Diseases on the Island of St. Kitts	Diana Scorpio
5:45 pm	ID-13	233	Surveillance of Feral Cats in Central Iowa for Subclinical Infection with <i>Cytauxzoon felis</i>	JE Slovak
6:00 pm	ID-14	233	A Novel Pore-Forming Toxin in Type A <i>Clostridium perfringens</i> Associated with Fatal Canine Hemorrhagic Gastroenteritis and Neonatal Foal Necrotizing Enterocolitis	John Prescott
6:15 pm	ID-15	233	Effect of Parenteral Administration of Modified Live or Inactivated Feline Herpesvirus 1, Calicivirus, and Panleukopenia Vaccines on Clinical Signs in a Day 7 Feline Herpesvirus 1 Challenge Model	Stacie Summers

**SMALL ANIMAL—NUTRITION/METABOLISM**

9:00 am	NM-1	204	The Effects of a Medium Chain Triglycerides Diet Trial on Dogs with Idiopathic Epilepsy	Tsz Hong Law
9:15 am	NM-2	204	Evaluation of Serum Fatty Acids in Cats with Chronic Kidney Disease	Laura Tonkin
9:30 am	NM-3	204	Effects of Protein: Carbohydrate Ratios on Weight Loss in Overweight Cats	Yuanlong Pan
9:45 am	NM-4	204	Predictors of Core Temperature During Interval Exercise in Dogs	Patrick Robbins
			<b>BREAK</b>	
10:30 am	NM-5	204	Safety of the Ghrelin Agonist, Capromorelin, Administered Daily to Beagle Dogs for One Year	Linda Rhodes
10:45 am	NM-6	204	Palatability and Clinical Effects of an Oral Recuperation Fluid During the Recovery of Dogs with Parvoviral Enteritis	Reut Tenne

**SMALL ANIMAL—PHARMACOLOGY**

11:15 am	P-1	204	<b>Effects of Aspirin and Cyclosporine on Canine T-Cell Cytokines and Regulatory T-Cells</b>	Claire Fellman
11:30 am	P-2	204	Measurement of Plasma Amlodipine Concentration Using LC/MS/MS at the Point of Blood Pressure Control in Hypertensive Cats	Esther Bijmans

**SMALL ANIMAL—ENDOCRINOLOGY**

2:15 pm	EN-1	234	The Feline AIP Gene: the Key to Hypersomatotropism Tumorigenesis? (ESVE Award Winner)	Christopher Scudder
2:30 pm	EN-2	234	Evaluation of Serum Thyroid Stimulating Hormone Concentration As a Diagnostic Test for Hyperthyroidism in Cats	Mark Peterson
2:45 pm	EN-3	234	<b>Efficacy of Low-Dose (2 Millicurie) Versus Standard-Dose (4 Millicurie) Radioiodine (<sup>131</sup>I) Treatment for Cats with Mild-to-Moderate Hyperthyroidism</b>	John Lucy
3:00 pm	EN-4	234	<b>Assessment of Renal Function in Hyperthyroid Cats Managed with Hill's® Prescription Diet® Y/D® Feline</b>	Heather Vaske
3:15 pm	EN-5	234	<b>Increases in Serum Beta Hydroxybutyrate in Cats with Chronic Kidney Disease, Hyperthyroidism, and Hepatic Lipidosis</b>	Lisa Gorman
3:30 pm	EN-6	234	Investigation of Dysproteinemia in Hyperthyroid Cats As a Biomarker of Concurrent Chronic Kidney Disease (CKD)	Tim Williams

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## ORAL PRESENTATIONS

## SMALL ANIMAL—ENDOCRINOLOGY (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
3:45 pm	EN-7	234	Efficacy of Prozincr Insulin in Naïve and Insulin-Established Cats Using Continuous Interstitial Glucose Monitoring	Cynthia Ward
			<b>BREAK</b>	
4:30 pm	EN-8	234	Metabolic Profiling of Diabetic Cats in Remission	Susan Gottlieb
4:45 pm	EN-9	234	<b>Safety and Efficacy Assessment of a GLP-1: Glargine Combination for Feline Diabetes</b>	<b>Margaret Scuderi</b>
5:00 pm	EN-10	234	<b>Diagnosis of Canine Hyperadrenocorticism Is Associated with Gender, Age, Breed, and Comorbid Conditions</b>	<b>Bianca Lourenço</b>
5:15 pm	EN-11	234	A Novel Protocol for Glucagon Stimulation Test in Cats Using Recombinant DNA Glucagon	Chen Gilor
5:30 pm	EN-12	234	Day-to-Day Variability of Serial Blood Glucose Curves in Diabetic Dogs Treated with Twice Daily NPH or Insulin Detemir	Chen Gilor
5:45 pm	EN-13	234	Effect of Glucosuria on Urine Specific Gravity (USG) in Dogs	Ellen Behrend
6:00 pm	EN-14	234	A Novel Cortisol Based Method for Monitoring Trilostane Therapy in Dogs with Hyperadrenocorticism	Laura Cosgrove
6:15 pm	EN-15	234	<b>Effect of Non-Thyroidal Illness on Serum Concentrations of T4, Free T4 and Thyroid Stimulating Hormone in Cats</b>	<b>Danielle Davignon</b>

## SMALL ANIMAL—NEPHROLOGY/UROLOGY\*\*

9:00 am	NU-1	239	<b>A New Method for Measuring Glomerular Filtration Rate (GFR) in Cats with Comparison to Two Standard Methods</b>	<b>Jewel Milo</b>
9:15 am	NU-2	239	Perioperative Complications, Mortality, and Long-Term Outcome of Ureteral Surgery and Ureteral Stenting in Cats: 117 Cases	Chloe Wormser
9:30 am	NU-3	239	Effect of Dialysate Sodium Concentration on Serum Sodium Concentration During Intermittent Hemodialysis in Dogs	Jonathan Foster
9:45 am	NU-4	239	Urinary Active TGF- B1 in Feline Chronic Kidney Disease	Jack Lawson
			<b>BREAK</b>	
10:30 am	NU-5	239	<b>Platelet Function in Dogs with Naturally Occurring Chronic Kidney Disease</b>	<b>Alicia Dudley</b>
10:45 am	NU-6	239	Evaluation of Effectiveness and Possibility of Nafamostat Mesilate as an Alternative Anticoagulant During Intermittent Hemodialysis on Healthy Beagle Dogs	Ji Hye Hwang
11:00 am	NU-7	239	Modifying Urine Glycosaminoglycan Concentrations By Intramuscular Injection of Polysulfated Glycosaminoglycans in Dogs	Michael Wood
11:15 am	NU-8	239	Effects of Gradual Increase of Dietary Sodium Chloride on Urinary Parameters and Relative Supersaturation in Healthy Cats	Yann Queau
11:30 am	NU-9	239	Serum Magnesium Concentration in Dogs with Naturally Occurring Chronic Kidney Disease	Cinthia Martorelli
11:45 am	NU-10	239	A Comparison of Perioperative Outcome in Cats Undergoing Ureterotomy or Ureteral Stenting for the Treatment of Benign Ureteral Obstructions	William Culp
12:00 pm	NU-11	239	Signalment and Diagnosis of 205 Neutered Female Dogs with Urinary Incontinence in the United States	Julie Byron

\*\* Also See Small Animal Nephrology/Urology abstracts NU-12 - NU-15, Friday, June 5, 9:00 am - 10:00 am.

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## ORAL PRESENTATIONS

## SMALL ANIMAL—OTHER

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
2:15 pm	OT-1	210	Evaluation of Serum Alpha 1-Proteinase Inhibitor Concentrations in Dogs with Systemic Inflammatory Response Syndrome or Sepsis	Romy Heilmann
2:30 pm	OT-2	210	In Vitro Determination of the Utility of Therapeutic Plasma Exchange (TPE) in the Treatment of Ibuprofen Toxicity	Stuart Walton
2:45 pm	OT-3	210	Prognostic Indicators in Dogs with Septic Peritonitis: 54 Cases (2004-2014)	Jeffrey Mitchell
3:00 pm	OT-4	210	Does Do Not Resuscitate (DNR) Always Mean DNR? Exploring DNR Orders in Veterinary Medicine	Keriann Cabral
3:15 pm	OT-5	210	Impact of Statistical Methods on Analyte Reference Interval Accuracy	Kevin Le Boedec
3:30 pm	OT-6	210	Acute Phase Reaction & Cardiac Biomarkers in Feline Non-Cardiac Diseases	Inigo Sanz

## EQUINE\*

9:00 am	E-1	212	Accuracy of Non-Invasive Oscillometric Blood Pressure in Normo- Hyper and Hypotensive Adult Standing Horses	Natalie Heliczner
9:15 am	E-2	212	<b>Attenuation of the Blood Pressure Response to Exogenous Angiotensin I After Oral Administration of Benazepril to Healthy Adult Horses</b>	<b>Tiago Afonso</b>
9:30 am	E-3	212	Effect of Diet-Induced Weight-Gain on Oral Glucose Tolerance and Insulin Response in Shetland Ponies	Ellen de Graaf-Roelfsema
9:45 am	E-4	212	Hormonal Changes: Predictive Factors of Chronic Fatigue in Show Horses	Concetta Amato
			<b>BREAK</b>	
10:30 am	E-5	212	Multiple Adrenocortical Steroid and Steroid Precursors Response to ACTH Stimulation Test in Hospitalized Foals	Katarzyna Dembek
10:45 am	E-6	212	The Effect of Ph on Large Intestinal Ion Transport and Transepithelial Resistance in Suspected Insulin Resistance Horses	Nicole Arana-Valencia
11:00 am	E-7	212	Epidemiological Characteristics of Horses with PPID at Initial Diagnosis	Steven Grubbs
11:15 am	E-8	212	<b>Effects of Fasting and the Oral Sugar Test on Thyrotropin-Releasing Hormone Stimulation Test Results in Horses</b>	<b>Melissa Restifo</b>
11:30 am	E-9	212	<b>Evaluation of Agreement of Four Common Diagnostic Tests for Insulin Resistance in Adult Light-Breed Horses</b>	<b>Laura Dunbar</b>
11:45 am	E-10	212	Vitamin D Metabolites and Their Association with Severity of Illness and Mortality in Hospitalized Foals	Ahmed Kamr
12:00 pm	E-11	212	Use of Metabolomic Approaches for Insight Into Metabolic Perturbations in Welsh Ponies with Insulin Dysregulation	Sarah Jacob
12:15 pm	E-12	212	<b>Can Motion Capture Detect Ataxia in Horses?</b>	<b>Emil Olsen</b>
			<b>BREAK</b>	
2:15 pm	E-13	212	<b>Intravenous Plasma Administration Evokes a Balanced Systemic Inflammatory Response in Healthy Newborn Foals</b>	<b>Eleonora Po</b>
2:30 pm	E-14	212	<b>A Comprehensive Evaluation of Traditional and Novel IGG Cut-Off Values and Their Association with Mortality in Neonatal Foals</b>	<b>Rachel Liepman</b>
2:45 pm	E-15	212	Comparison of Immunologic Responses Following Intranasal and Oral Vaccination with a USDA Approved, Live-Attenuated <i>Streptococcus equi</i> Vaccine	Katherine Delph
3:00 pm	E-16	212	<b>Major Histocompatibility Complex Expression in Muscle of Horses with Immune Mediated Myositis</b>	<b>Sian Durward-Akhurst</b>
3:15 pm	E-17	212	<b>Characterization of the Respiratory Tract Microbiota of Healthy Horses</b>	<b>Gaelle Hirsch</b>
3:30 pm	E-18	212	The Relationship Between Serum 25-Hydroxy Vitamin D Levels and Inflammatory Airway Disease (IAD) in Horses	Daniela Bedenice

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## ORAL PRESENTATIONS

## EQUINE\* (continued)

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
3:45 pm	E-19	212	Septic Pleuropneumonia in Horses	Sandra Taylor
			<b>BREAK</b>	
4:30 pm	E-20	212	Factors Affecting Complication Rates with Subpalpebral Lavage Catheter Use in Horses	Gayle Hallowell
4:45 pm	E-21	212	Estradiol 17 $\beta$ and Estrone Sulfate in Mares with Experimentally Induced Ascending Placentitis	Igor Canisso
5:00 pm	E-22	212	IGM and IgG Responses in Horses and Pony Foals After Vaccination for West Nile Virus and Eastern Equine Encephalitis	Frank Andrews
5:15 pm	E-23	212	Factors Associated with Equine Shedding of Multi-Drug Resistant <i>Salmonella enterica</i> and its Impact on Health Outcomes	Brandy Burgess
<b>5:30 pm</b>	<b>E-24</b>	<b>212</b>	<b>Estimating the Sensitivity and Specificity of Real-Time Quantitative PCR of Fecal Samples for Diagnosis of <i>Rhodococcus equi</i> Pneumonia in Foals</b>	<b>Sarah Shaw</b>
5:45 pm	E-25	212	Bayesian Geostatistical Analysis and Environmental Risk Factors of Pigeon Fever	Laurie Beard
6:00 pm	<b>E-26</b>	<b>212</b>	<b>Risk Factors for Equine Infectious Anemia in Canada</b>	<b>Sara Higgins</b>

\*\* Also See Equine E-27 - E-34, Friday, June 5, 8:00 am - 10:00 am.

## FOOD ANIMAL

9:00 am	<b>F-1</b>	<b>201</b>	<b>Lung Consolidation in Veal Calves Metaphylactically Treated with Tildipirosin: Predictive Factors and Impact on Weight Gain</b>	<b>Julie Berman</b>
9:15 am	F-2	201	Systematic Review of the Diagnostic Accuracy of Haptoglobin, Serum Amyloid A and Fibrinogen Versus Clinical Reference Standard for the Diagnosis of Bovine Respiratory Disease (BRD)	AbdElMonem AbdAllah
9:30 am	F-3	201	Agreement Between Sample Collection Methods Used for the Diagnosis of Bovine Respiratory Disease in Dairy Calves	Danielle Doyle
9:45 am	F-4	201	Frontal Sinusitis in Adult Beef Bulls: A Retrospective Analysis of 18 Cases (1999-2014)	Katharine Simpson
			<b>BREAK</b>	
10:30 am	<b>F-5</b>	<b>201</b>	<b>Comparative Plasma Pharmacokinetics of Ceftiofur Sodium and Ceftiofur Crystalline Free Acid in Neonatal Calves</b>	<b>Jane Woodrow</b>
10:45 am	F-6	201	Changes in Plasma Calcium Concentration in Periparturient Dairy Cattle Fed an Acidogenic Diet in the Late Dry Period	Ameer Megahed
11:00 am	F-7	201	Evaluation of the Precision Xtra <sup>®</sup> Hand-Held Meter for the Rapid Point of Care Measurement of Blood and Plasma Glucose Concentration in Periparturient Dairy Cattle	Ameer Megahed
11:15 am	<b>F-8</b>	<b>201</b>	<b>Health Benefits of Il-10 Egg Yolk Antibodies Administered to Milk-Fed Dairy Calves</b>	<b>Sarah Raabis</b>
11:30 am	<b>F-9</b>	<b>201</b>	<b>Presumptive Fenbendazole Toxicosis in Three Holstein Calves</b>	<b>Emily Barrell</b>
11:45 am	F-10	201	The Relationship Between Body Site Colonization and Intramammary Infection with Non-aureus <i>Staphylococcal</i> Species in Dairy Heifers	Pamela Adkins
12:00 pm	F-11	201	Visual Estimation of Goat Liveweight By Veterinary and Animal Science Students	Philippa Gibbons
			<b>BREAK</b>	
<b>5:30 pm</b>	<b>F-12</b>	<b>239</b>	<b>Chronic (Vagal) Indigestion in Adult Dairy Cattle: A Retrospective Study of 52 Cases (2004-2013)</b>	<b>Thibaud Kuca</b>
5:45 pm	F-13	239	Evaluation of Endotoxin in Plasma of Diarrheic Calves and Its Association with Demeanor, Hyper-L-Lactatemia and Hypoglycemia	Diego Gomez
6:00 pm	F-14	239	Epidemiologic Evaluation of Silica Urolithiasis in Goats (106 Cases): Perspective From the Minnesota Urolith Center	Eugene Nwaokorie

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## ORAL PRESENTATIONS

## CARDIOLOGY

TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
8:00 am	C-18	235	<b>Multi-Dose Pharmacokinetics and Pharmacodynamics of the Commercially Available Formulation of Oral Apixaban in Cats: A Pilot Study</b>	Christian Weder
8:15 am	C-19	235	Long Term Outcome of Irish Wolfhounds with Lone Atrial Fibrillation	Claudia Vollmar
8:30 am	C-20	235	Irish Wolfhounds with Dilated Cardiomyopathy: Causes of Death	Claudia Vollmar
8:45 am	C-21	235	Echocardiographic Findings in an Aged Population of Cavalier King Charles Spaniels	Jorge Prieto-Ramos
9:00 am	C-22	235	Comparison of Methods for Measuring Left Ventricular Wall Thickness and Left Atrial Size in Cats	Lois Wilkie
9:15 am	C-23	235	iPhone ECG: A New Simple Method to Detect Hypertrophic Cardiomyopathy (HCM) in Cats?	Veronica Strömberg
9:30 am	C-24	235	Morphology of Tricuspid Valve Apparatus in Feline Hypertrophic and Dilated Cardiomyopathy	Lauren Wiley
9:45 am	C-25	235	The Urine Aldosterone to Creatinine Ratio (UALDO:C) Determined By Radioimmunoassay (RIA) in Normal Dogs Greater Than 5 Years of Age	Marisa Ames

## SMALL ANIMAL—HEPATOLOGY

8:00 am	HP-1	234	<b>Measurement of Plasma Fibrinogen in Dogs with Hepatobiliary Disease</b>	Sara Wennogle
8:15 am	HP-2	234	<b>Serum Markers of Vitamin B Metabolism in Cats with Hepatic Lipidosis</b>	Alexandra Hamilton
8:30 am	HP-3	234	Association Between Biliary Cytology and Microbiology in Dogs and Cats: 52 Cases (2004-2014)	Medora Pashmakova
8:45 am	HP-4	234	Histologic Scoring and Clinical Outcomes of Hepatitis in 42 Standard Poodles	Allison Bradley
9:00 am	HP-5	234	Possible Association of Gallbladder Mucocele Histologic Diagnosis with Selected Preventative Drug Use in Dogs: A Matched Case-Controlled Study	Jody Gookin
9:15 am	HP-6	234	A New Combination of Blood Parameters for Accurate Non-Invasive Diagnosis of Liver Fibrosis in Dogs	Alexis Lecoindre

## SMALL ANIMAL—RESPIRATORY

8:00 am	R-1	233	<b>Maropitant (Cerenia®) Ameliorates Clinical Signs but Not Inflammation Associated with Canine Chronic Bronchitis</b>	Megan Grobman
8:15 am	R-2	233	Comparison of Fatigue Characteristics of Two Commercially Available Veterinary Tracheal Stents	Michal Crha
8:30 am	R-3	233	Meta-Analysis of the Association Between Mycoplasma Species and Feline Respiratory Tract Diseases	Kevin Le Boedec

## SMALL ANIMAL—NEPHROLOGY/UROLOGY

8:45 am	NU-12	233	<b>Consumption of Viyo Recuperation Renal-Advanced Formula in Cats with Stable Chronic Kidney Disease and its Effects on Biochemical Parameters</b>	Crystal Cooley
9:00 am	NU-13	233	Effect of Blood Contamination in Canine Canine Urine on The Performance of a Commercial Immunoassay for the Acute Kidney Injury (AKI) Marker: Urinary Clusterin (uCLUS)	Jack Quinn
9:15 am	NU-14	233	Effect of Hematuria on Urine Protein:Creatinine Ratio in Cats	Aida Vientós-Plotts
9:30 am	NU-15	233	Acute Evaluation of Urethral Thermoplasty in Normal Dogs	Carrie Palm

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## ORAL PRESENTATIONS

EQUINE				
TIME	#	ROOM #	ABSTRACT TITLE	PRESENTING AUTHOR
8:00 am	E-27	232	Depletion of Phenylbutazone Residues From Equine Urine and Tissues	Patricia Dowling
8:15 am	<b>E-28</b>	<b>232</b>	<b>Effect of Rifampin on Erythromycin-Induced Anhidrosis in Foals</b>	<b>Amy Stieler</b>
8:30 am	E-29	232	Ex Vivo Equine Subconjunctival Injection Characteristics and In Vitro Release Profiles of Voriconazole From a PLGA-PEG-PLGA Thermogel	Rosemary Cuming
8:45 am	E-30	232	Post-Transfusion Survival Time of Cross-Match Incompatible Red Blood Cells in Adult Horses	Joy Tomlinson
9:00 am	E-31	232	Temporal Effects of Intravenous Antibiotics on the Equine Fecal Microbiome	Rachel Liepman
9:15 am	E-32	232	Prospective Evaluation of the Accuracy of the MFlaSh Ultrasound Protocol and Transrectal Abdominal Palpation for Predicting Specific Surgical Diagnoses in Cases of Equine Acute Colic	Emilie Setlakwe
9:30 am	E-33	232	Prevalence of and Risk Factors for Gastric Ulceration in Showjumping Warmbloods	Sarah Pedersen
9:45 am	E-34	232	The Effect of Transport, Fasting and Anesthesia on the Composition of the Equine Microbiota	Angelika Schoster

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### POSTER PRESENTATIONS

**On Display:**

Thursday, June 4 7:00 am–5:00 pm  
 Friday, June 5 7:00 am–5:00 pm

Hall C

**Attended by ALL Authors Eligible for ACVIM Resident Research Awards:**

Thursday, June 4 9:50 am–10:30 am  
 Friday, June 5 9:50 am–10:30 am

**Attended by ALL Authors—Wine & Cheese Reception:**

Friday, June 5 6:00–7:30 pm • Hall C

Sponsored by



#### SMALL ANIMAL—CARDIOLOGY

#	ABSTRACT TITLE	PRESENTING AUTHOR
<b>C-26</b>	<b>Preliminary Assessment of a Novel 14-Day Ambulatory ECG Monitor (Zio® Patch) in Dogs</b>	<b>Jonathan Lichtenberger</b>
<b>C-27</b>	<b>Cardiac Biomarker Profiles in Dogs with Naturally-Occurring Pre-Capillary Pulmonary Hypertension</b>	<b>Jonathan Lichtenberger</b>
C-28	Detection of Periodontopathic Bacteria in Dogs with Mitral Regurgitation	Masami Uechi
C-29	Cardiac Regenerative Potential of Cardiosphere-Derived Cells From Adult Dog Hearts	James de Andrade
C-30	Correlation Between Echocardiographic Parameters and IL-1 $\beta$ , IL-6, IL-10, TNF- $\alpha$ and C-Reactive Protein in Bitches with Sepsis	Aparecido Camacho
C-31	Assessment of QTC Interval and QT Dispersion in Dogs with Pyometra	Caio Nogueira Duarte
C-32	Subclassification of Stage 2 in Congestive Heart Failure in Dogs with Myxomatous Mitral Valve Disease	Aparecido Camacho
C-33	Heart Rate Variability in Dogs with Myxomatous Mitral Valve Disease Undergoing Treadmill Exercise	Aparecido Camacho
C-34	Plasma Omega-3 Fatty Acid (Eicosapentaenoic Acid) Concentrations Are Related to Survival in Cats with Hypertrophic Cardiomyopathy	Lisa Freeman
C-35	Clinical Efficacy and Safety of Imidapril in Dogs with Congestive Heart Failure	Wonjung Kim
C-36	Evaluation of Left Ventricular Function in Dogs with Different Stages of Myxomatous Mitral Valve Disease: Tissue Doppler and Strain Imaging Study	Yunhye Kim
C-37	Correlation Between Radial and Coccygeal Artery Indirect Doppler Blood Pressure Measurements in Cats	Dianne Mawby
C-38	Three-Dimensional Echocardiographic Assessment of Normal Canine Mitral Valve	Giulio Mencioti
C-39	Genetic Evaluation of Persian Cats with Hypertrophic Cardiomyopathy: Screening of Mutations at ACTC1 and MYBPC3 Genes	Arine Pellegrino
C-40	Cardiovascular Evaluation of Persians Cats with Polycystic Kidney Disease	Arine Pellegrino
C-41	Echocardiographic Assessment of the Effects of Carvedilol, Cyclosporin-A and Sildenafil Citrate on Doxorubicin-Induced Cardiomyopathy in an Experimental Model with Rabbits	Fernando Rosa
C-42	Left Ventricular Circumferential Strain and Strain Rate By Two-Dimensional Imaging Velocity Vector Imaging in Healthy Beagles Dogs	Fernando Rosa
C-43	The Effect of Catheter Location During Simulated CPR on the Time for a Peripheral Injection to Reach the Heart	Elizabeth Rozanski
C-44	Cardiac Biomarkers and Acute Phase Proteins in Feline Cardiac Disease	Inigo Sanz
C-45	Does Size Matter? A Significant Relation Between Head Width and Left Ventricular Free Wall Growth Rates in Young Cats	Ingrid van Hoek

#### SMALL ANIMAL—NEUROLOGY

<b>N-19</b>	<b>Efficacy of Midazolam Continuous Rate Infusion for Emergent Seizure Therapy</b>	<b>Kathryn Bray</b>
<b>N-20</b>	<b>MRI Characteristics of Atlanto-Axial Subluxation in 42 Dogs</b>	<b>Kathryn Bray</b>
<b>N-21</b>	<b>Determination of Ideal Implant Placement in Canine Atlantoaxial Vertebrae—Description of a New Method Using Osirix</b>	<b>Guillaume Leblond</b>

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## POSTER PRESENTATIONS

SMALL ANIMAL—NEUROLOGY *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
N-22	Clinical Efficacy and Safety of Zonisamide Monotherapy in Dogs with Newly Diagnosed Idiopathic Epilepsy	Akinori Nomura
N-23	Canine Meningioma: Comparison of Palliative Therapy, Surgery and Stereotactic Radiosurgery	Mario Dolera
N-24	Suspected Hydrated Nucleus Pulposus Extrusions Associated with the Dorsal Longitudinal Ligament in Dogs	Mario Dolera
N-25	The Use of Magnetic Resonance Spectroscopy in Differential Diagnosis of Canine Brain Diseases	Luca Malfassi
N-26	Development of F-Response Method Using Multiple-Point Stimulation for Motor Unit Number Estimation Technique in Normal Dogs	Go Togawa

## SMALL ANIMAL—ONCOLOGY

O-12	Analysis of Lomustine Content in FDA Approved and Compounded Lomustine Capsules	Butch KuKanich
O-13	Expression of Multiple Drug Resistance Markers ABCB1 and LRP in Cats with Alimentary Lymphoma	Siliva Luca
O-14	Metallothionein and KI-67 in Cats with Alimentary Lymphoma	Valter Winkel
O-15	Response of Il-2 and Il-6 After Unilateral Total Mastectomy Alone or in Association with Ovariosalpingohysterectomy in Bitches with Mammary Tumors	Sabrina Rodigheri
O-16	Stress Response to Surgical Trauma of Unilateral Total Mastectomy Alone or in Association with Ovariosalpingohysterectomy in Bitches with Mammary Tumors	Sabrina Rodigheri
O-17	Pharmacokinetics of Orally Administered Low-Dose Rapamycin in Healthy Dogs <i>(VCS Award Winner)</i>	Jeanne Larson
O-18	Minoxidil Inhibits the Metastatic Phenotype of Osteosarcoma <i>(VCS Award Winner)</i>	Christine Mullin

## SMALL ANIMAL—ENDOCRINOLOGY

EN-16	<b>Evaluation of the Use of Baseline Cortisol to Monitor Twice-Daily Trilostane Therapy in Dogs with Spontaneous Hyperadrenocorticism</b>	<b>Andrew Woolcock</b>
EN-17	Blood Pressure in Hyperthyroid Cats in Comparison to Age Matched Controls Using High Definition Oscillometry	Anthony Carr
EN-18	Epidemiologic Study of Adrenal Tumors in Dogs: 49 Cases (2012-2014)	Viviani De Marco
EN-19	Association of Canine Acute Pancreatitis with Hypertriglyceridemia and Adrenomegaly: A Retrospective Study (2012-2014): 91 Cases	Eric Januário
EN-20	Association Between Endocrinopathies and Hyperlipidemia in 104 Dogs with Acute Pancreatitis: A Retrospective Study	Hakhyun Kim
EN-21	Serum Adipokine Concentrations in Dogs with Myxomatous Mitral Valve Disease	Hye-Sun Kim
EN-22	Evaluation of the Isolation and Functionality of Pancreatic Islets in Cats	Melania Osto
EN-23	Effect of Administration with Mirtazapine on the Hypothalamic-Pituitary-Adrenocortical Axis in Healthy Beagle Dogs	Bo Hye Shin

## SMALL ANIMAL—GASTROENTEROLOGY

GI-27	<b>Beta-Hydroxybutyrate Concentrations in Dogs with Acute Pancreatitis and without Diabetes Mellitus</b>	<b>Frances Hurrell</b>
GI-28	Endoscopic Retrograde Cholangiography and Biliary Stent Placement for Biliary Tract Obstruction in Dogs and Cats	Allyson Berent
GI-29	Effect of <i>Bifidobacterium animalis</i> AHC7 and Tylosin on the Microbiome During the Quarantine Period of Military Working Dogs	Sarah Cooper
GI-30	Association of Two Unstable HAS2 Gene Duplications with Cobalamin Deficiency in the Chinese Shar-Pei	Niels Grützner
GI-31	The Fecal Microbiome of Coyotes ( <i>Canis latrans</i> ) and a Comparison with Healthy Pet Dogs ( <i>Canis canis</i> )	Julia Honneffer

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**SMALL ANIMAL—GASTROENTEROLOGY** *(continued)*

#	ABSTRACT TITLE	PRESENTING AUTHOR
GI-32	Focal Intestinal Lipogranulomatous Lymphangitis in 10 Dogs	Alexis Lecoindre
GI-33	Serial Evaluation of Specific Canine Pancreatic Lipase Immunoreactivity and C-Reactive Protein in Dogs with Cerulein-Induced Acute Pancreatitis	Sue Yee Lim
GI-34	Validation of a Urinary 5-Hydroxyindoleacetic Acid Assay, and Preliminary Use in Dogs with Enteropathies	Jessica Rigling
GI-35	Analytical Validation of a Gas Chromatography/Mass Spectrometry Method for the Quantification of 3-Bromotyrosine Concentrations in Fecal Samples From Dogs	Panpicha Sattasathuchana
GI-36	Serum 3-Bromotyrosine Concentrations in Dogs Infected with <i>Spirocerca lupi</i>	Panpicha Sattasathuchana
GI-37	Prospective Evaluation of a One-Stage Esophageal Balloon Dilation Feeding Tube for Benign Esophageal Strictures in Dogs: Initial Results	Chick Weisse

**SMALL ANIMAL—HEMATOLOGY**

HM-7	Activated Clotting Time in Healthy Sedated Cats Using the Max-Act System	Marie Holowaychuk
HM-8	Cytopenias Associated with Procarbazine Therapy in 8 Dogs	A. Courtney Crane
HM-9	Evaluation of the Enterprise Point-of-Care Blood Gas Analyzer	Lyndsay Kong
HM-10	Osmotic Fragility Test – A Useful Diagnostic Test in Cats with Anemia?	Christiane Weingart

**SMALL ANIMAL—HEPATOLOGY**

<b>HP-7</b>	<b>Thromboelastography in Cats with Cholestatic Liver Disease</b>	<b>Gideon Daniel</b>
HP-8	Thromboelastography in Dogs with Chronic Hepatitis	Whitney Fry
HP-9	The Use of Hepatic Non-Invasive Markers for Monitoring Fibrogenic Progression in 49 Scottish Terriers with Vacuolar Hepatopathy	Alexis Lecoindre

**SMALL ANIMAL—IMMUNOLOGY**

IM-4	Towards the Development of a Flow Cytometric Assay for Canine Interleukin-10	Oliver Garden
IM-5	In Vitro Evaluation of the Effects of Pre-Conditioning and Gender on Feline Adipose-Derived Mesenchymal Stem Cell Cytokine Production	Tracy Webb

**SMALL ANIMAL—INFECTIOUS DISEASE**

ID-16	Effect of Treatment on <i>Borrelia burgdorferi</i> and <i>Anaplasma phagocytophilum</i> Test Results	Ramaswamy Chandrashekar
ID-17	Prevalence of <i>Dirofilaria immitis</i> in Non-Endemic Northern Colorado Animal Shelters	Emily Kirkpatrick
ID-18	Prevalence of Novel <i>Helicobacter</i> Strains in Japan	Sanae Kubota
ID-19	Prevalence of <i>Giardia duodenalis</i> and <i>Cryptosporidium Spp.</i> Amongst Senior Veterinary Students and Their Dogs and Cats	Michael Lappin
ID-20	Detection of Feline Immunodeficiency Virus Antibodies in Serum of Vaccinated Cats Using a Commercially Available Kit	Michael Lappin
ID-21	Gene Expression of Interleukines in the Spleen of Cats Naturally Infected by <i>Leishmania infantum chagasi</i>	Mary Marcondes
ID-22	Canine and Livestock Husbandry Practices Among Ohio Farmers and Potential for Zoonotic Disease Transmission	Nancy Moran
ID-23	Evaluation of Selected Canine Vector Borne Pathogens in Blood and Pericardial Samples From Dogs with Pericardial Effusion	Maria-Dolores Tabar
ID-24	Molecular Detection of Selected Vector-Borne Pathogens in Dogs with and without Tick or Flea Infestation	Sahatchai Tangtrongsup
ID-25	Performance of the Anigen Rapid Caniv-4 Test Kit Using Characterized Samples	Brendon Thatcher

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## SMALL ANIMAL—INFECTIOUS DISEASE (continued)

#	ABSTRACT TITLE	PRESENTING AUTHOR
ID-26	Prevalence of <i>Cyclospora cayetaensis</i> and Other Enteric Parasites in Shelter Cats with Diarrhea in Colorado, USA	Mandy van Koppen

## SMALL ANIMAL—NEPHROLOGY/UROLOGY

NU-16	Effects of Hematuria on Dipstick Evaluation in Dogs and Cats	Aida Vientós-Plotts
NU-17	Feline Serum Cystatin C Does Not Differentiate Healthy Cats From Those with Chronic Kidney Disease (CKD)	Giosi Farace
NU-18	Pharmacokinetic Study of Meropenem in Healthy Beagle Dogs on Intermittent Hemodialysis	Hye young Kim
NU-19	High Throughput Immunoassay That Corelates to Gold Standard Liquid Chromatography-Mass Spectrometry (LC-MC) Assay for the Chronic Kidney Disease (CKD) Marker Symmetrical dimethyl Arginine (SDMA)	Daniel Patch
NU-20	Retroperitoneal Delivery of Mesenchymal Stem Cells for the Treatment of Feline Chronic Kidney Disease	Jessica Quimby
NU-21	Safety Evaluation of the Live Biotherapeutic Product, Asymptomatic Bacteriuria <i>E. coli</i> 2-12, in Healthy Dogs	Jodi Westropp

## SMALL ANIMAL—NUTRITION/METABOLISM

NM-7	Effect of a Single-Dose Treatment with Synthetic Ghrelin on Canine Anorexic Patients: A Preliminary Study	Eri Onozawa
NM-8	Safety of the Ghrelin Agonist, Capromorelin, Administered Daily to Cats for 91 Days at an Oral Dose of 6mg/kg	Jullie Allen
NM-9	Capromorelin, an Orally Active Ghrelin Agonist, Caused Sustained Increases in IGF-1, Increased Food Intake and Body Weight in Cats	Linda Rhodes
NM-10	Effect of <i>Enterococcus faecium</i> Strain SF68 on the Gastrointestinal Clinical Signs of Healthy Cats Administered Amoxicillin-Clavulanate	Camille Torres-Henderson
NM-11	Weight Loss Program Associated with Vibrating Platform in Obese Dogs and Overweight	Carolina Zaghi Cavalcante

## SMALL ANIMAL—OTHER

OT-7	Idiopathic Immune Mediated Polyarthritis in Dogs: 67 Cases (2006-2014)	Katherine Nadolny
OT-8	Evaluation of the Effects of Time, Temperature, and Storage Conditions on In Vitro Lactate Concentrations	Colin Reich
OT-9	Acute Phase Protein Concentrations in Cats with Urinary Tract Obstruction	Elizabeth Schmidt
OT-10	Monoclonal Antibodies Specific to Serum Amyloid A From Different Species	Karina Seferian

## SMALL ANIMAL—PHARMACOLOGY

<b>P-3</b>	<b>The Effect of Concurrent and Delayed Sucralfate Administration on the Relative Bioavailability of Fluoroquinolones in Greyhounds</b>	<b>Sarah Guess</b>
P-4	Pharmacodynamics of Transdermal Mirtazapine in Healthy Client-Owned Cats	Kellyi Benson
P-5	Comparison of Tolfenamic Acid and Robenacoxib for Postoperative Analgesia in Cats After Ovariohysterectomy	Naris Thengchaisri
P-6	Safety and Efficacy of Intravenous Tranexamic Acid As an Emetic in Canine Patients	Hitoshi Kakiuchi
P-7	Pharmacokinetics and Pharmacodynamics of Transdermal Mirtazapine in Purpose-Bred Cats	Jessica Quimby
P-8	Safety and Toxicokinetic Profiles in Cats Administered Grapiprant, a Selective Prostaglandin-Receptor Antagonist	Lesley Rausch-Derra
P-9	Pharmacokinetic Comparison of Body Surface Area and Body Weight Based Prednisolone Dose on Small and Large Breed Dogs	Hye Bin Wang

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## POSTER PRESENTATIONS

## SMALL ANIMAL—RESPIRATORY

#	ABSTRACT TITLE	PRESENTING AUTHOR
R-4	Severe Pre-Capillary Pulmonary Hypertension in 11 Shih Tzu Dogs: (2007-2014)	Amy Brida
R-5	Effect of Furosemide on Transvascular Fluid Fluxes in Pulmonary Circulation in Dogs Under General Anesthesia	Modest Vengust
R-6	The Pharmacokinetics of $\beta_2$ -Adrenoceptor Agonist in Tulobuterol on Beagle Dogs After Transdermal and Intravenous Administration	Hyuck Joo Yang

## EQUINE

E-35	White Coat Hypertension, Interday Variation of Blood Pressure and Interday and Interobserver Variation of Splenic Volume	Olivia Lorello
E-36	Correlations of Blood Pressure, Splenic Volume and Hematocrit After Phenylephrine and Acepromazine Administration	Natalie Heliczner
<b>E-37</b>	<b>Comparison of Morphometric Data and Proxy Measurements of Insulin Resistance to Minimal Model Analysis in Adult Light-Breed Horses</b>	<b>Laura Dunbar</b>
E-38	Hair Cortisol in Horses with PPID	Heidi Banse
E-39	Dynamics of Adrenal Steroids, Steroid Precursors and Neurosteroids in Neonatal Foals During Hospitalization	Katarzyna Dembek
E-40	Repeatability of the Oral Sugar Test and Glucagon-Like Peptide-1 and High Molecular Weight Adiponectin Concentrations in Horses with Equine Metabolic Syndrome	Nicholas Frank
E-41	Cortisol Binding Globulin Concentrations in Septic Foals, Healthy Foals, and Healthy Horses	Melanie Fratto
E-42	Clinical Signs Associated with PPID Status in a Large Population of Horses	Steven Grubbs
E-43	Evaluation of Wellbeing Parameters in New York City Carriage Horses	Sarah Mercer-Bowyer
E-44	Prospective Evaluation of a Colic Prediction Model	Frank Andrews
E-45	Diagnostic Value of Gastric Mucosal Biopsies in Horses with Glandular Disease	Mark Bowen
E-46	Water in Ingesta Influences Blood Glucose Concentration After Eating in the Horse	Michael Katz
E-47	Prevalence of and Risk Factors for Gastric Ulceration in Polo Horses	Heath MacLeod
E-48	A Comparison of Gastric Ulcer Prevalence in Feral and Domesticated Horses in the UK: An Abattoir Study	Benjamin Sykes
E-49	The Use of an Indwelling Percutaneous Gastrostomy Tube for the Measurement of Intra-Gastric Ph in the Horse	Benjamin Sykes
<b>E-50</b>	<b>Severe Myelosuppression and Alopecia in Horses Associated with Trichotheccene Ingestion</b>	<b>Rachel Liepman</b>
E-51	Plasma Lactate As a Marker of Healthy in Foals Born From Mares with Placentitis	Lorena Feijó
E-52	Humoral Response to <i>Borrelia burgdorferi</i> Outer Surface Protein A (Ospa) Vaccine via the Subcutaneous and Transdermal Route in Horses	Joseph Bertone
E-53	Development of Pulmonary Immunocompetency in the Foal	Brett Sponseller
<b>E-54</b>	<b><i>Corynebacterium Pseudotuberculosis</i> Seroprevalence in Healthy Horses in a Non-Endemic State</b>	<b>Marta Barba</b>
E-55	Genome Wide Association Study of Equine Herpesvirus Type 1-Induced Myeloencephalopathy	Margaret Brosnahan
E-56	WNV IgG Antibody Response in Foals (with and without Maternal Antibody) Following Vaccination with a Combination WNV Vaccine	Steven Grubbs
E-57	Therapeutic Monitoring of Plasma Aminoglycoside Concentrations and Their Relation to Minimum Inhibitory Concentrations of Local Gram Negative Bacteria In Horses and Foals	Angelika Schoster
E-58	Effect of Blanketing on Vitamin D Status in Horses at Pasture	Sara Azarpeykan
E-59	Equine Referring Veterinarians' Expectations of Equine Veterinary Specialists and Equine Referral Care Centers	Joanne Hewson
E-60	Endothelial Progenitor Cell Isolation in Horses	Anne Wooldridge
<b>E-61</b>	<b>A Comparison of the Effects on Sweating of Three Macrolide Antibiotics Used in Foals</b>	<b>Amy Stieler</b>

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E-62	Endobronchial Biopsy Scores Reliably Assess Disease Severity in Horses with Heaves	Michela Bullone
E-63	Evaluation of Angiogenesis in the Airways of Horses with Heaves	Nicolas Herteman

**FOOD ANIMAL**

F-15	Evaluation of the Cardiomyotoxic Effects of Doxycycline Overdose in Calves Using 2-Dimensional Speckle Tracking	Laureline Lecoq
F-16	Two-Dimensional Speckle Tracking Echocardiography in Calves: Feasibility, Repeatability and Variability Study	Laureline Lecoq
F-17	Venous Lactate, Ph And PCO2 Levels As Mortality Indicators in Premature Calves	Hasan Guzelbektes
F-18	Compare Effect of Combinations of Intravenous and Oral Electrolyte Solution on Treatment of Calf Diarrhea with Mild-Moderate Dehydration and Metabolic Acidosis	Ismail Sen
F-19	Cholangiohepatitis in Cattle: 10 Cases	Diego Gomez
F-20	Comparison of the Pharmacokinetic Values of Cefquinome Following Intramammary Infusion in Healthy Lactating Goats and Goats with Experimentally Induced <i>Staphylococcal aureus mastitis</i>	Shymaa El badawy
F-21	Comparison of Cefquinome Concentrations and Pharmacokinetic Values in Plasma and Milk From Healthy and Mastitic Goats Using a Microbiological Assay and High Performance Liquid Chromatography	Shymaa El badawy

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Avalon Medical  
 Karl Storz Veterinary Endoscopy America, Inc.  
 Lafeber Company  
 Rose Micro Solutions  
 Vetrix

## Biomedical/Biotechnology

Cuatro Digital Imaging / Heska  
 Echosens  
 Equipment Outreach, Inc.  
 HemoSolutions  
 VetDC, Inc.  
 Vetrix

## Bovine Medicine & Surgery

Jorgensen Laboratories  
 Rose Micro Solutions

## Business Management

VetHaystack

## Career Opportunities

California Veterinary Specialists  
 Lincoln Memorial University  
 VCA  
 Veterinary Support Personnel Network (VSPN)  
 VetHaystack

## Client Services

PetRays Veterinary Telemedicine Consultants  
 Veterinary Support Personnel Network (VSPN)

## Computer Systems & Services

StringSoft, Inc.

## Critical Care Products for Large and Small Animals

Animal Blood Resources International  
 Animal Imaging Partners  
 Dextronix Inc.  
 Epica Medical Innovations  
 Lafeber Company  
 MILA International, Inc.  
 Rose Micro Solutions  
 Snyder Manufacturing Co.  
 Vetrix

## Dental Technology/Supplies

Jorgensen Laboratories  
 MWI Veterinary Supply  
 Nutramax Laboratories, Inc.  
 Patterson Veterinary  
 Practivet  
 Rose Micro Solutions  
 scil animal care company  
 Sontec Instruments, Inc.  
 Vetel Diagnostics, Inc..

## Diagnostic Technology & Services

Abaxis, Inc.  
 Alfa Wassermann  
 Alvedia  
 Animal Imaging Partners  
 AnimalScan  
 Cornell University Animal Health Diagnostic Center  
 Dan Scott & Associates, Inc.  
 Dextronix Inc.  
 Echosens  
 Epica Medical Innovations  
 Equipment Outreach, Inc.  
 Hitachi Aloka Medical  
 HyTest Ltd.  
 IDEXX Laboratories  
 Infiniti Medical, LLC  
 Jorgensen Laboratories  
 MiraVista Diagnostics  
 petMAP  
 PetRays Veterinary Telemedicine Consultants  
 scil animal care company  
 Sedecal USA, Inc.  
 SonoPath.com  
 Sontec Instruments, Inc.  
 Universal Imaging  
 Universal Medical Systems, Inc.  
 Vetel Diagnostics, Inc.  
 Veterinary Allergy Reference Lab (VARL)

## Digital Imaging

AnimalScan  
 Cuatro Digital Imaging / Heska  
 Epica Medical Innovations  
 Hallmarq Veterinary Imaging  
 Hitachi Aloka Medical  
 Patterson Veterinary  
 scil animal care company  
 Sedecal USA, Inc.  
 SonoPath.com  
 Universal Imaging  
 Universal Medical Systems, Inc.  
 VCA  
 Vetel Diagnostics, Inc.

## Distributors

Jorgensen Laboratories  
 MWI Veterinary Supply

## Education

AAHA - American Animal Hospital Association  
 American College of Veterinary Medicine  
 Christian Veterinary Mission  
 IDEXX Laboratories  
 International Association of Veterinary Blood Bank  
 Lafeber Company  
 Lincoln Memorial University  
 Roxie's MEGA Mission  
 SonoPath.com  
 The Boo Radley Foundation  
 Upright Canine Brigade  
 VCA  
 Veterinary Cancer Society  
 Veterinary Emergency & Critical Care Society (VECC)  
 Veterinary Support Personnel Network (VSPN)  
 Wiley

## Endoscopy

Abaxis, Inc.  
 Dextronix Inc.  
 Endoscopy Support Services, Inc.  
 IDEXX Laboratories  
 Infiniti Medical, LLC  
 Karl Storz Veterinary Endoscopy America, Inc.

## Equine Medicine & Surgery

Alvedia  
 Avalon Medical  
 Dechra Veterinary Products  
 Endoscopy Support Services, Inc.  
 LLOYD, Inc.  
 Merck Animal Health  
 MILA International, Inc.  
 Patterson Veterinary  
 PetRays Veterinary Telemedicine Consultants  
 Sontec Instruments, Inc.  
 Universal Medical Systems, Inc.  
 Van Beek Natural Science  
 Vetel Diagnostics, Inc.

## Financial Services

CareCredit  
 Equipment Outreach, Inc.

**Hospital Equipment & General Supplies**

Dan Scott & Associates, Inc.  
 Digicare Animal Health  
 Flexible Footwear Company  
 PetRays Veterinary Telemedicine Consultants  
 Practivet  
 Snyder Manufacturing Co.  
 Universal Medical Systems, Inc.  
 Vetel Diagnostics, Inc.

**Immunotherapy**

Abaxis, Inc.  
 Aratana Therapeutics, Inc.  
 Cuattro Digital Imaging / Heska  
 IDEXX Laboratories  
 Jorgensen Laboratories  
 Practivet  
 VetDC, Inc  
 Veterinary Allergy Reference Lab (VARL)

**Implantable Devices**

Dextronix Inc.

**Information Resources**

Animal Blood Resources International  
 Elsevier  
 Lafeber Company  
 Upright Canine Brigade  
 Veterinary Support Personnel Network (VSPN)  
 VetHaystack  
 Wiley

**Insurance**

AVMA PLIT

**Lab Equipment, Supplies & Services**

Abaxis, Inc.  
 Animal Blood Resources International  
 Companion Therapy Laser by LiteCure, LLC  
 Cuattro Digital Imaging / Heska  
 Flexible Footwear Company  
 IDEXX Laboratories  
 Jorgensen Laboratories  
 Patterson Veterinary  
 PetRays Veterinary Telemedicine Consultants  
 Practivet  
 Rose Micro Solutions  
 scil animal care company  
 VCA

**Laser Technologies**

Companion Therapy Laser by LiteCure, LLC  
 Epica Medical Innovations  
 MWI Veterinary Supply  
 Patterson Veterinary

**Medical Supplies/Equipment**

Animal Blood Resources International  
 Animal Imaging Partners  
 Dextronix Inc.  
 Endoscopy Support Services, Inc.  
 Equashield, LLC  
 Equipment Outreach, Inc.  
 Karl Storz Veterinary Endoscopy America, Inc.  
 MILA International, Inc.  
 Otto Trading Co.  
 Rose Micro Solutions  
 The Boo Radley Foundation  
 Veterinary Support Personnel Network (VSPN)

**Mobile Practice**

Endoscopy Support Services, Inc.  
 Hill's Pet Nutrition, Inc.  
 Iams Veterinary Formulas - Mars Petcare  
 LLOYD, Inc.  
 Purina Animal Nutrition  
 Royal Canin Veterinary Diet  
 Rx Vitamins, Inc.  
 SonoPath.com  
 Timeless Veterinary Systems  
 Vetoquinol USA, Inc.

**Natural Supplements**

Nordic Naturals  
 Nutramax Laboratories, Inc.  
 Scarecrow  
 The Microbial Company

**Nonprofit Organizations**

AAHA - American Animal Hospital Association  
 American College of Veterinary Medicine  
 Christian Veterinary Mission  
 International Association of Veterinary Blood Bank  
 Practivet  
 Roxie's MEGA Mission  
 The Boo Radley Foundation  
 Upright Canine Brigade  
 Veterinary Cancer Society  
 Veterinary Emergency & Critical Care Society (VECC)  
 Veterinary Support Personnel Network (VSPN)

**Nutrition, Foods & Diet Management**

Elanco Animal Health  
 Hill's Pet Nutrition, Inc.  
 Iams Veterinary Formulas - Mars Petcare  
 Lafeber Company  
 LLOYD, Inc.  
 MWI Veterinary Supply  
 Nutramax Laboratories, Inc.  
 Purina  
 Purina Animal Nutrition  
 Royal Canin Veterinary Diet  
 Rx Vitamins, Inc.  
 Scarecrow  
 The Microbial Company  
 Vetoquinol USA, Inc.

**Oncology**

Aratana Therapeutics, Inc.  
 Bayer Healthcare Animal Health Division  
 Best Pet Rx  
 Dextronix Inc.  
 Diamondback Drugs  
 Elanco Animal Health  
 LLOYD, Inc.  
 Merial, Ltd.  
 PetCure Oncology  
 Practivet  
 Stokes Pharmacy  
 VetDC, Inc  
 Veterinary Cancer Society  
 Veterinary CyberKnife Cancer Center  
 Vetoquinol USA, Inc.  
 Zoetis

**Pain Management**

Aratana Therapeutics, Inc.  
 Best Pet Rx  
 Diamondback Drugs  
 Elanco Animal Health  
 Epica Medical Innovations  
 Flexible Footwear Company  
 MILA International, Inc.  
 Nutramax Laboratories, Inc.  
 Zoetis

**Patient Monitoring Equipment**

Dextronix Inc.  
 Digicare Animal Health  
 IDEXX Laboratories  
 petMAP  
 StringSoft, Inc.



## Pharmaceuticals & Pharmacy

Bayer Healthcare Animal Health Division  
 Best Pet Rx  
 Boehringer Ingelheim Vetmedica, Inc.  
 Dechra Veterinary Products  
 Diamondback Drugs  
 Elanco Animal Health  
 Equashield, LLC  
 LLOYD, Inc.  
 Merck Animal Health  
 Merial, Ltd.  
 MWI Veterinary Supply  
 Nutramax Laboratories, Inc.  
 Patterson Veterinary  
 Roadrunner Pharmacy  
 Stokes Pharmacy  
 VetDC, Inc  
 Veterinary Pharmacies of America, Inc.  
 Veterinary Support Personnel Network (VSPN)  
 Vetoquinol USA, Inc.  
 Zoetis

## Pharmacy Compounding

BCP Veterinary Pharmacy  
 Best Pet Rx  
 Diamondback Drugs  
 Elsevier  
 Stokes Pharmacy  
 Veterinary Pharmacies of America, Inc.  
 Veterinary Support Personnel Network (VSPN)  
 Wiley

## Practice Management

AVMA PLIT  
 Flexible Footwear Company  
 IDEXX Laboratories  
 Jorgensen Laboratories  
 Patterson Veterinary  
 Practivet  
 StringSoft, Inc.  
 Van Beek Natural Science  
 Veterinary Support Personnel Network (VSPN)  
 VetHaystack

## Professional Services

HemoSolutions  
 PetRays Veterinary Telemedicine Consultants  
 Practivet  
 Sontec Instruments, Inc.  
 Veterinary Support Personnel Network (VSPN)  
 VetHaystack

## Publications

AAHA - American Animal Hospital Association  
 CRC Press/Taylor & Francis  
 Elsevier  
 Hitachi Aloka Medical  
 SonoPath.com  
 Universal Imaging  
 Veterinary Support Personnel Network (VSPN)  
 Wiley

## Radiosurgery

PetCure Oncology

## Referral Programs

Timeless Veterinary Systems  
 VetHaystack

## Rehabilitation/Physical Therapy

Infiniti Medical, LLC

## Small Animal Practice & Critical Care

Animal Blood Resources International  
 Boehringer Ingelheim Vetmedica, Inc.  
 Digicare Animal Health  
 Jorgensen Laboratories  
 Lafeber Company  
 Practivet  
 Snyder Manufacturing Co.  
 Van Beek Natural Science  
 VetDC, Inc  
 Avalon Medical  
 Dextronix Inc.  
 Endoscopy Support Services, Inc.  
 Vetrix

## Surgical

Avalon Medical  
 Dextronix Inc.  
 Endoscopy Support Services, Inc.  
 Flexible Footwear Company  
 Practivet  
 Rose Micro Solutions  
 scil animal care company  
 Sontec Instruments, Inc.  
 Vetrix

## Therapeutic Equipment

Epica Medical Innovations  
 Ultrasound  
 Cuattro Digital Imaging / Heska  
 Hitachi Aloka Medical  
 Patterson Veterinary  
 scil animal care company  
 SonoPath.com  
 Universal Imaging  
 VCA  
 Vetel Diagnostics, Inc.

## Veterinary Medical Devices

Avalon Medical  
 Dextronix Inc.  
 Digicare Animal Health  
 Equipment Outreach, Inc.  
 Infiniti Medical, LLC  
 Karl Storz Veterinary Endoscopy America, Inc.  
 MILA International, Inc.  
 MWI Veterinary Supply  
 petMAP  
 Rose Micro Solutions  
 Timeless Veterinary Systems  
 Universal Medical Systems, Inc.  
 VCA

## Veterinary Technology

Alvidia  
 Animal Imaging Partners  
 Hallmarq Veterinary Imaging  
 Karl Storz Veterinary Endoscopy America, Inc.  
 Timeless Veterinary Systems  
 Universal Medical Systems, Inc.  
 VetDC, Inc  
 Vetrix



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## THANK YOU ACVIM BOARD AND COMMITTEE VOLUNTEERS!

You've accomplished a lot for the ACVIM this year. Thanks to your involvement:

- The 2015 ACVIM Forum program offers more than 460 hours of cutting edge CE sessions.
- 364 candidates are taking their exams at the Forum.
- The GIG is being updated so that it will be more useful for future candidates.
- A new website and public relations campaign for animal owners is launching.
- The *Journal of Veterinary Internal Medicine* is now available via open access.
- Strategic planning for the future of the College is underway.

Are you an ACVIM Diplomate interested in volunteering?  
Visit [www.acvim.org](http://www.acvim.org) and complete the volunteer interest form located under Diplomates.

Plan ahead and save on registration! Stop by the registration counter located in the Crossroads Lobby.



# ACVIM

2016 FORUM

COLORADO CONVENTION CENTER

Forum Dates | June 8-11, 2016

Exhibit Hall | June 9-10, 2016

Specialty Symposium | June 8, 2016

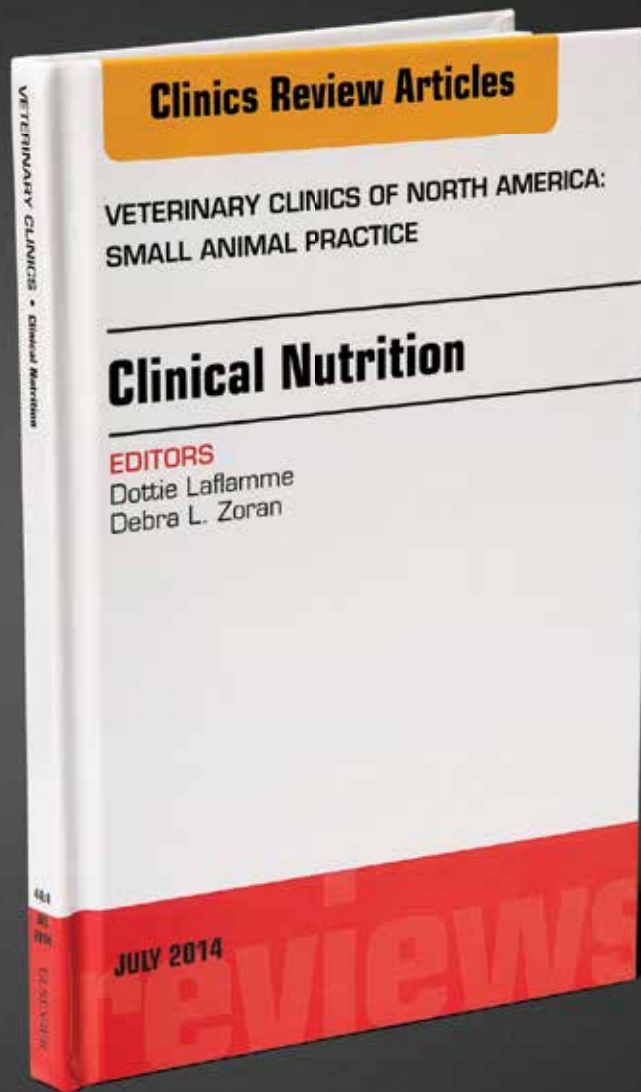


## ACVIM FORUM

[www.ACVIMForum.org](http://www.ACVIMForum.org)

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