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ABVP  
SYMPOSIUM

TAMPA

OCTOBER 11 – 14, 2018 • TAMPA, FL

Tampa Marriott Waterside Hotel & Marina • 700 South Florida Avenue

PROGRAM GUIDE

ABVP.COM

# ABVP 2018

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### ON-SITE SYMPOSIUM CONTACTS

#### Need ABVP Assistance?

+1.352.375.5672 or [ABVP@NAVCOM](mailto:ABVP@NAVCOM)

#### Tampa Marriott Waterside Hotel & Marina

+1.813.221.4900

If you need assistance with wheelchair accessible transportation, please visit the ABVP Registration Desk located outside Grand Ballroom Salons C-D of the Tampa Marriott Waterside Hotel & Marina. All meeting rooms are wheelchair accessible in compliance with the Americans with Disabilities Act.



23RD ANNUAL  
ABVP SYMPOSIUM  
OCTOBER 11-14, 2018  
[ABVP.COM](http://ABVP.COM)





**Welcome to our 23rd Annual Symposium** and know that we are glad you are here. This conference brings together the brightest and best from our 11 different species groups. It is our hope to provide the best experience in multiple species continuing education possible. The ABVP Symposium is unique in its intimate feel, high caliber continuing education and networking opportunities. This is a place of learning and collaboration and a time to spend with friends and colleagues and a time to welcome those attending for the first time. It is also a collection of some of the finest veterinarians in the world.

As ABVP veterinarians, we do important work. We are committed to excellence for the well-being of animals and their people and promote the highest level of care in the total patient. The symposium is one of the ways we accomplish those goals.

Enjoy the lectures, wet labs, workshops, networking lunches, receptions and the awards dinner on Saturday. Thank you for attending.

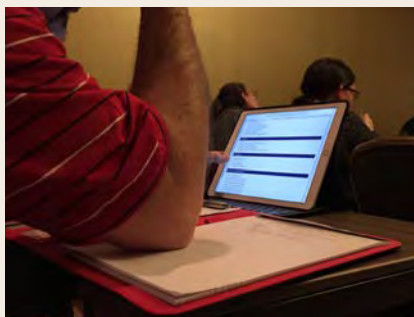
**Timothy R. Kraabel, DVM, DABVP (Canine and Feline Practice)**  
**President, ABVP**



**Thank you so much for joining us for the 23rd Annual ABVP Symposium!** Whether this is your first ABVP Symposium or you regularly attend year after year, we hope that this year's program and the schedule of events will exceed your expectations. We have some exceptional things planned this year: small animal wet labs covering AFAST/TFAST ultrasound and loco-regional nerve blocks; an avian critical care procedures wet lab; and, of course, cutting-edge information and education in each of the species tracks. In addition, you will not want to miss the Cross Species Keynote lecture series with Dr. Juan Lubroth. Dr. Lubroth is the Chief of Veterinary Services for the Food and Agriculture Organization (FAO), and he will be speaking about One Health and Global Veterinary Medicine. We are thrilled to have him at the ABVP Symposium this year!

The ABVP Symposium is a fantastic educational experience, and we encourage you to get the most out of the weekend. The Regents Reception on Friday evening is a wonderful kick-off to the weekend, and the networking luncheons are a great opportunity to connect with colleagues. Make sure to stop by the ABVP Foundation Silent Auction tables and tour the exhibit hall to visit with our supportive sponsors and exhibitors. Finally, you do not want to miss our Annual Awards Dinner on Saturday evening at The Florida Aquarium. This very special evening gives us the opportunity and privilege to honor our newest members and our recertifying Diplomates. We strive each year to provide an exceptional educational weekend for our attendees, and we welcome your comments and suggestions. Please feel free to reach out to our management staff throughout the weekend if you need anything – we are so happy you joined us in Tampa this year!

**Amy Garrou, DVM, DABVP (Canine and Feline Practice)**  
**Continuing Education Chair, ABVP**



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# General Information

## REGISTRATION DESK HOURS

Wednesday, October 10 2:00 - 5:00 PM  
Thursday, October 11 9:00 AM - 5:00 PM  
Friday, October 12 6:30 AM - 5:00 PM  
Saturday, October 13 7:30 AM - 5:00 PM  
Sunday, October 14 7:30 AM - 12:00 PM

## EXHIBIT HALL BREAKS

### Friday, October 12

9:50 - 10:20 AM  
1:00 - 1:30 PM  
3:20 - 4:00 PM  
5:00 - 6:00 PM

### Saturday, October 13

9:50 - 10:20 AM  
1:00 - 1:30 PM  
3:20 - 4:00 PM

## NAME BADGES

Name badges are required for participation in all sessions, luncheons, and the exhibit hall. Replacement badges may be requested at the registration desk.

## LOCATION OF LECTURES

Please note all lectures, labs, luncheons and social sessions are at the Tampa Marriott Waterside Hotel & Marina unless otherwise noted. Specific room assignments are noted throughout the schedule grid.

## PROCEEDING NOTES

The Veterinary Information Network (VIN) has proceedings available at their cyber cafe. If you purchased a paper copy of the proceedings, please pick it up at the registration desk. Limited copies are available for sale on-site.

## CANCELLATIONS

Cancellations and refunds are no longer permitted. If you would like to sell your Annual Awards Reception and Dinner ticket, you can do so by posting a notice on the ABVP bulletin board by the registration desk.

## CONTINUING EDUCATION CERTIFICATES

CE certificates will be available at the registration desk beginning at 7:30 AM on Sunday, October 14. Please pick up your CE certificate prior to leaving the Symposium.

## CONTINUING EDUCATION CREDITS

This program 755-34153 is approved by the AAVSB RACE to offer a total of 141.00 CE credits (23.00 max) being available to any one veterinarian; and/or 152.00 Veterinary Technician CE credits (23.00 max). This RACE approval is for the subject matter categories of:



**Category One:** Scientific using the delivery method of Seminar/Lecture, Lab/Wet Lab.

This approval is valid in jurisdictions which recognize AAVSB RACE; however, participants are responsible for ascertaining each board's CE requirements. RACE does not "accredit" or "endorse" or "certify" any program or person, nor does RACE approval validate the content of the program.

ABVP is also an approved provider of continuing education in the State of New York for veterinarians and veterinary technicians/nurses.

## ALLERGIES AND DIETARY REQUIREMENTS

We have made every effort possible to meet all allergy and dietary requirements. Please be advised that it is your responsibility to indicate your allergy or dietary requirement to your server. If you cannot find a member of the hotel wait staff, please see an ABVP staff member for assistance.

# FEATURED EVENTS

Events are listed in the order they will occur.

## CROSS SPECIES LECTURE SERIES

*Thursday, October 11, 1:00 - 4:50 PM • Grand Ballroom Salon E*

### ONE HEALTH IN THE UNITED NATIONS - GLOBAL AND LOCAL VETERINARY MEDICINE

**Juan Lubroth, DVM, Ph.D., ACVPM**

'One Health' is a philosophy - from global to local ("glocal"). It requires all of us to do our part, as individuals only have a part of the solution. One Health refers to designing and implementing programs, policies and research across disciplines and sectors to achieve better public and environmental health.



# DR. LUBROTH

Juan Lubroth, DVM, Ph.D., ACVPM is Chief Veterinary Officer, FAO/United Nations since 2009, and previously held the position as Head of Infectious Diseases. Prior to the United Nations, Dr. Lubroth was at the USDA's Plum Island, Brazil and Mexico centers. Dr. Lubroth holds a DVM and MS from the University of Georgia, and PhD from Yale University.



## CRITICAL CARE TECHNIQUES FOR AVIAN WILDLIFE

*Thursday, October 11, 1:00 - 5:00 PM • Grand Ballroom Salons I-J*

**Heather Barron**

**Fee is \$300. Limited attendance. Lab will be held onsite.**

This lab will have a one-hour lecture and three-hour practical component to allow practitioners who are presented with critical avian wildlife patients to know how to offer emergent care, including IV and IO catheterization, endotracheal and air sac intubation, gavage feeding, handling and external coaptation. Avian cadavers provided.



## CANINE AND FELINE NERVE BLOCK LAB

*Thursday, October 11, 1:00 - 5:00 PM • Grand Ballroom Salons G-H*

**Mark Epstein & Tammy Grubb**

**Fee is \$300. Limited attendance. Lab will be held onsite.**

Locoregional anesthesia is now considered a critical component of peri-operative pain management protocols (should be used with every surgical procedure, 2015 AAHA/AAFP Guidelines). This session will introduce local anesthetics with an emphasis on practical applications in any practice setting. The wetlab will allow participants to perform a number of different techniques that will be discussed in didactic portions of the presentation.



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## MEET & GREET WITH DR. JUAN LUBROTH

*Thursday, October 11, 5:00 - 6:00 PM • Florida Ballroom IV*

A light reception will be held in honor of Dr. Lubroth and allow all attendees the ability to meet and ask questions in person.

## CHANGING THE CONVERSATION: TAKING NUTRITION TO THE NEXT LEVEL



*Thursday, October 11, 6:00 - 9:00 PM • Meeting Rooms 9-10*

*Craig Datz, Jackie Parr & Allison Wara*

*Fee is \$25. Limited attendance. Lab will be held onsite.*

1. Digestibility – What role does digestibility play in overall health? Why is protein digestibility important and how is it measured? This workshop will increase your understanding of this property as it relates to canine and feline nutrition. 2. Nutrients and Ingredients – This workshop focuses on the importance of considering nutrients over ingredients when evaluating pet foods, using common examples such as byproducts and corn. 3. Nutritional Assessment – In this workshop, participants practice performing a nutritional assessment using a case-based approach. 4. Quality and Food Safety – This workshop explores the importance of quality and food safety of commercial pet foods and reviews various methods of establishing them.

## COMMITTEE MEETINGS

*Thursday, October 11, 7:00 - 8:30 PM*

ABVP Outreach Committee • Meeting Room 8

ABVP Symposium Committee • Meeting Room 12

ABVP Foundation Board • Meeting Room 11



## SUNRISE SESSION

### HOW STARTUPS ARE THINKING ABOUT THE VETERINARY SPACE

*Friday, October 12, 7:00 - 7:50 AM • Grand Ballroom Salon E*

The veterinary space has seen an explosion of new technologies and new companies emerging over the past two years, and that pace of change is not slowing down. New companies are looking at innovative ways of helping veterinary professionals adapt to and take advantage of that pace of change. Join us Friday morning for the Sunrise Session as we explore this evolving landscape and help practitioners develop new tactics for upgrading their practices.



## AAFP/ABVP SEMINAR

*Friday, October 12, 8:00 AM - 12:00 PM • Grand Ballroom Salons C-D*

*Étienne Côté*

### ANESTHESIA OF THE FELINE CARDIOLOGY PATIENT

Many important clinical questions arise around anesthesia of feline cardiovascular patients. Does the presence of a murmur justify certain precautions or treatments? Does the appearance or disappearance of a murmur under anesthesia correlate to prognosis? These and other questions will be addressed in this seminar.

### FLUID THERAPY IN FELINE CARDIAC PATIENTS

Iatrogenic congestive heart failure can occur if a cat with heart disease receives an excessive parenteral fluid volume. Conversely, any cat can suffer harm if it does not receive the volume of parenteral fluid that it requires. Describing ways of managing this quandary is the basis for this seminar.



### UNCOMMON FELINE CARDIOMYOPATHIES

Hypertrophic cardiomyopathy is the most common heart disease of cats, but what about the other cardiomyopathies? This seminar will review their clinical features, diagnostic characteristics, treatment and prognosis.

### CARDIAC ARRHYTHMIAS: FELINE SPECIFIC FINDINGS

Beyond basic electrocardiography, there are essential aspects of heart rhythm disturbances that are very different in cats compared to dogs or humans. This seminar will highlight these, with an emphasis on clinically useful approaches.

### REGENTS' WELCOME RECEPTION

**Friday, October 12, 5:00 - 6:00 PM • Exhibit Hall**



All attendees are welcome to attend this reception hosted by ABVP's Regents.

### ABVP MAINTENANCE OF CERTIFICATION WORKSHOP

**Friday, October 12, 6:00 - 8:00 PM • Meeting Room 8**

**Renee Rucinsky**

Do you have questions about ABVP's maintenance of certification process? Attend this workshop to ask questions and learn suggestions for completing the process.

### ABVP CERTIFICATION WORKSHOP

**Friday, October 12, 6:00 - 8:00 PM • Grand Ballroom Salon B**

**Stephen Pittenger & Kimberlee Buck**

Have you applied for ABVP certification or are you considering applying and have questions about your case report and credentials packet? Are you unsure if you've picked the right case to write about? Are you concerned your CE might not be acceptable? Do you need help with the online platform? This session is designed to help answer all those questions and more. Anyone interested in the certification process is encouraged to attend.

### AVTCP BOARD MEETING

**Friday, October 12, 6:00 - 8:00 PM • Meeting Room 11**

### ABVP ITEM WRITING WORKSHOP

**Friday, October 12, 8:00 - 9:30 PM • Meeting Room 8**

**Michael Dutton**

ABVP Diplomates interested in writing exam items to earn credits toward maintenance of certification must receive training in item writing. This workshop focuses on item style, cognitive levels, situational sets and other item writing basics.

### ABVP DIPLOMATE MEETING

**Saturday, October 13, 5:00 - 6:00 PM**

**Grand Ballroom Salons C-D**

All ABVP Diplomates in attendance are encouraged to attend this annual business meeting. Council of Regents members will be present to address questions, listen to suggestions and offer updates on the status of the organization.



### AVTCP Q&A SESSION

**Saturday, October 13, 5:00 - 6:00 PM • Meeting Room 11**

All technicians are invited to participate in this workshop. Learn about AVTCP certification and the application process.

### ANNUAL AWARDS RECEPTION AND DINNER

**Saturday, October 13, 7:00 - 10:00 PM**



*Reservations are required in advance. No tickets will be sold on-site.*

The Florida Aquarium is the site of this annual event recognizing newly certified Diplomates and those who have maintained their certification. The reception will be from 7:00 - 8:00 PM in the Coral Reef Panoramic Window room and dinner will take place in the Mosaic Center at the aquarium. The aquarium is within walking distance of the hotel. The address is 701 Channelside Drive. Transportation will also be available to those who prefer to not walk and will leave from the hotel lobby beginning at 6:50 PM.

### AFAST, TFAST AND VET BLUE CANINE LAB

**Sunday, October 14, 8:00 AM - 12:00 PM**



*Fee is \$375. Limited attendance. Lab will be held offsite.*

Hands-on scanning of live dogs performing all three abbreviated ultrasound techniques of AFAST, TFAST and Vet BLUE. You must attend the entire FAST Ultrasound series on Friday, October 12th to be admitted to the lab. Meet in the hotel lobby for departure to the lab at 7:30 AM prompt.

**THE BEST-KEPT SECRET IN  
VETERINARY MEDICINE**

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INSTITUTE

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#### **NAVCO Institute 2019 Courses:**

ABVP Examination Review • Advanced Behavior  
Cardiology • Diagnostic Imaging  
Dentistry • Orthopedic Surgery  
Soft Tissue Surgery • Small Animal Ultrasound

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# THE SDEP™ STANDARDIZED CLINICAL SONOGRAPHY PROTOCOL

For Small Animal Abdominal Imaging and Echocardiography

BY: ERIC LINDQUIST, DMV, DABVP, CERT. IVUSS



## WHAT IS SDEP™?

### SONOGRAPHIC DIAGNOSTIC EFFICIENCY PROTOCOL

SDEP™ is an innovative standardization of the sonographic process designed to **maximize the image sets of traditional and alternative approaches** and facilitate in-house or telemed evaluation. **This protocol is repeatable by any type of sonographer with a rapid learning curve** of standard and high-end views as it's hallmark.

## SDEP™ 17PT ABDOMEN PROGRESSION

The SDEP™ Abdomen progression was developed to **image every type of abdominal pathology** including the most challenging views. **The protocol employs a numbering system which references key points in the abdomen in order to identify certain structures** such as the pylorus, portal hilus, pelvic urethra, adrenal glands, etc. **This system is a universal tool for direct and remote instruction.** Specific positions can be referred to in order to direct optimization of the view for particular pathology.

## 2019 SDEP™ LABS

SDEP™ ABDOMEN Feb 15-17, 2019

SDEP™ ABDOMEN Sep 20-22, 2019

SDEP™ MINI ECHO March 16-17, 2019

SDEP™ ECHO Oct 18-20, 2019

SDEP™ ABDOMEN May 17-19, 2019

ORTHO & EVERYTHING Dec 6-8, 2019



## SDEP™ 7PT ECHO PROGRESSION

The SDEP™ Echo progression also utilizes a numbering system to optimize **every region of the heart to evaluate functions, velocities, pressures and chamber sizes.**

SDEP™ Echo includes **three separate left atrial measurements** and all **standard Doppler velocities.** Alternative views **image the right atrium and auricle to ensure visualization of heart base masses.** This protocol affords the most complete image set for **evaluation of the heart from acquired to congenital disease.**

## HOW TO LEARN THE SDEP™ PROTOCOL?

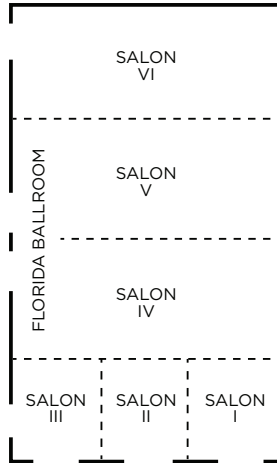
Sonopath offers **3-day hands-on labs personalized for each attendee to match each person with the right instructor based on their skillset and goals.** This approach allows intermediate and advanced attendees to push the pace, while beginners can slow it down to absorb the fundamentals. Verbal "boot camp" exercises and emergency simulations are utilized. **All audio recordings of these sessions are provided to lab attendees for practice at home.** Post lab, **virtual training and support services are available through SonoPath's educational telemedicine™ services,** where attendees can work with SonoPath to remotely perfect their image sets. **All 3-day SDEP™ Labs are RACE certified for 22 CE credits.**

**Stop by BOOTH 40 to discuss clinical sonography solutions for your hospital**

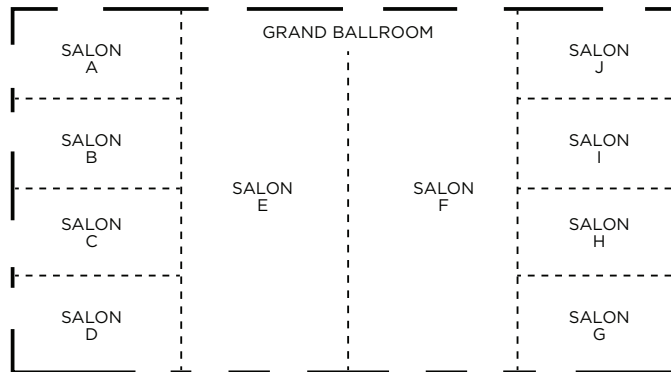
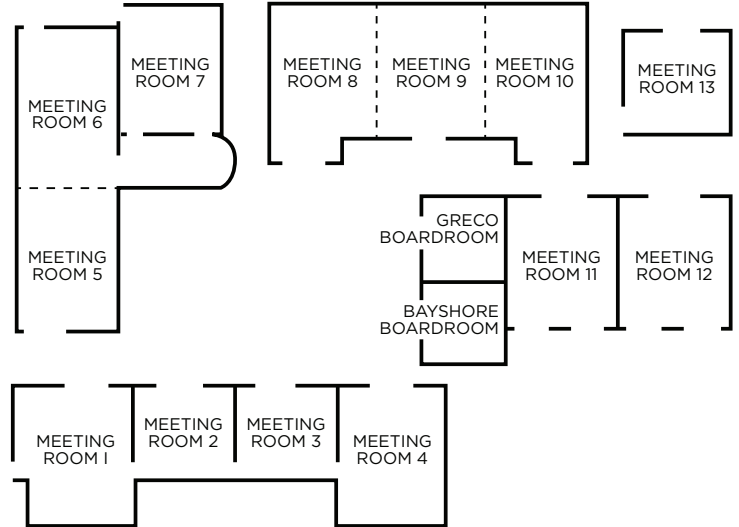
## Meeting Space

Tampa Marriott Waterside Hotel & Marina  
700 South Florida Avenue, Tampa, Florida 33602

### BANQUET HALL

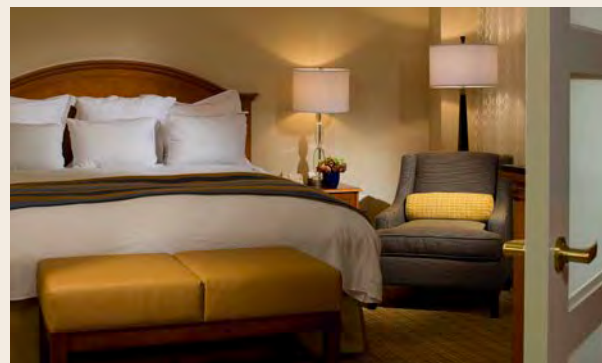


### THIRD LEVEL



### GRAND BALLROOM PRE-FUNCTION LOBBY

# MARRIOTT



# Program Schedule

## WEDNESDAY, OCTOBER 10

8:00 AM - 12:00 PM	Florida Ballroom	ABVP Exam
2:00 - 6:00 PM	Florida Ballroom	ABVP Exam
6:00 - 7:00 PM	Terrace Pool Deck (Rain Location - Meeting Room 5-6)	Reception for all Examinees

## THURSDAY, OCTOBER 11

8:00 AM - 12:00 PM	Florida Ballroom	ABVP Exam
1:00 - 1:50 PM	Grand Ballroom Salon E	ABVP Cross Species Lecture Series:  One Health in the United Nations - Global and Local Veterinary Medicine <i>Juan Lubroth</i>
2:00 - 2:50 PM	Grand Ballroom Salon E	ABVP Cross Species Lecture Series:  One Health in the United Nations - Global and Local Veterinary Medicine <i>Juan Lubroth</i>
3:00 - 3:50 PM	Grand Ballroom Salon E	ABVP Cross Species Lecture Series:  One Health in the United Nations - Global and Local Veterinary Medicine <i>Juan Lubroth</i>
4:00 - 4:50 PM	Grand Ballroom Salon E	ABVP Cross Species Lecture Series:  One Health in the United Nations - Global and Local Veterinary Medicine <i>Juan Lubroth</i>
1:00 - 5:00 PM	Grand Ballroom Salons I-J	<b>Critical Care Techniques for Avian Wildlife</b>  <i>Heather Barron</i> Limited attendance. Additional fee.
1:00 - 5:00 PM	Grand Ballroom Salons G-H	<b>Canine and Feline Nerve Block Lab</b>  <i>Mark Epstein &amp; Tammy Grubb</i> Limited attendance. Additional fee. 
5:00 - 6:00 PM	Florida Ballroom IV	Meet & Greet with Juan Lubroth
6:00 - 9:00 PM	Meeting Rooms 9-10	<b>Changing the Conversation: Taking Nutrition Recommendations to the Next Level</b>  Limited attendance. Additional fee.
7:00 - 8:30 PM	Meeting Room 8	ABVP Outreach Committee Meeting
7:00 - 8:30 PM	Meeting Room 12	ABVP Symposium Committee Meeting
7:00 - 8:30 PM	Meeting Room 11	ABVP Foundation Board Meeting




# Program Schedule

FRIDAY, OCTOBER 12

## Sunrise Session 7:00 - 7:50 AM • Grand Ballroom E

How Startups Are Thinking About the Veterinary Space



	EXOTICS COMBINED TRACK	CANINE	FELINE	FAST ULTRASOUND SERIES
LOCATIONS	MEETING ROOMS 9-10	GRAND BALLROOM SALON E	GRAND BALLROOM SALONS C-D	MEETING ROOM 12
SPONSORS				
8:00 - 8:50 AM	<b>Emergency Medicine Myths: Fact or Fiction</b> <i>Jay N. Gladden</i>	<b>Anesthesia &amp; Analgesia for Emergency/Critical Care Patients</b> <i>Tammy Grubb</i>	<b>AAFP/ABVP LECTURE SERIES: Anesthesia of the Feline Cardiology Patient</b> <i>Étienne Côté</i>	<b>Session 1 - Case-Based AFAST</b> <i>Gregory Liscandro</i>
9:00 - 9:50 AM	<b>Critical Care Tools for the Exotic Patient: What, How &amp; When Part 1</b> <i>Jay N. Gladden</i>	<b>Are You Using All You've Got: Chronic Pain Treatment Updates</b> <i>Tammy Grubb</i>	<b>AAFP/ABVP LECTURE SERIES: Fluid Therapy in Feline Cardiac Patients</b> <i>Étienne Côté</i>	<b>Session 2 - Anaphylaxis</b> <i>Gregory Liscandro</i>

### EXHIBIT HALL OPEN (9:50 - 10:20 AM)

10:20 - 11:10 AM	<b>Critical Care Tools for the Exotic Patient: What, How &amp; When Part 2</b> <i>Jay N. Gladden</i>	<b>My Five (or Six) Favorite Local Nerve Blocks</b> <i>Tammy Grubb</i>	<b>AAFP/ABVP LECTURE SERIES: Uncommon Feline Cardiomyopathies</b> <i>Étienne Côté</i>	<b>Session 3 - Case-Based TFAST</b> <i>Gregory Liscandro</i>
11:20 AM - 12:10 PM	<b>Approach to Fluid Therapy in the Critical Patient</b> <i>Jay N. Gladden</i>	<b>Anesthesia &amp; Analgesia Myth Busters!</b> <i>Tammy Grubb</i>	<b>AAFP/ABVP LECTURE SERIES: Cardiac Arrhythmias: Feline Specific Findings</b> <i>Étienne Côté</i>	<b>Session 4 - Vet BLUE</b> <i>Gregory Liscandro</i>

### Networking Luncheon • 12:10 - 1:00 PM • Grand Ballroom Salons F-J

### EXHIBIT HALL OPEN (1:00 - 1:30 PM)

1:30 - 2:20 PM	<b>Exotic Animal Toxicology</b> <i>Jay N. Gladden</i>	<b>Hot Off the Presses: Useful Tidbits from Recent Literature</b> <i>Tammy Grubb</i>	<b>Biomarkers in Feline Cardiomyopathy: Current Status &amp; Future Directions</b> <i>Étienne Côté</i>	
2:30 - 3:20 PM	<b>Approach to Resuscitation, Including Emergency Techniques, Life-Saving Measures &amp; Emergency Medications</b> <i>Jay N. Gladden</i>	<b>Monitoring &amp; Support Upgrades: What Do You Need Next?</b> <i>Tammy Grubb</i>	<b>Case Studies in Feline Cardiology</b> <i>Étienne Côté</i>	

### EXHIBIT HALL OPEN (3:20 - 4:00 PM)

4:00 - 4:50 PM	<b>Sepsis &amp; Shock</b> <i>Sharman Hoppes &amp; Jennifer Graham</i>	<b>Management of the Dog with an Incidentally-Detected Heart Murmur</b> <i>Étienne Côté</i>	<b>Principles of GI Surgery: Tips to Make it Easier</b> <i>Howard Seim</i>	
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### Regents' Welcome Reception • 5:00 - 6:00 PM

Exhibit Hall




6:00 - 8:00 PM	<b>ABVP Maintenance of Certification Workshop • Meeting Room 8</b> <i>Renee Rucinsky</i>
6:00 - 8:00 PM	<b>ABVP Certification Workshop • Grand Ballroom Salon B</b> <i>Stephen Pittenger &amp; Kimberlee Buck</i>
6:00 - 8:00 PM	<b>AVTCP Board Meeting • Meeting Room 11</b>
8:00 - 9:30 PM	<b>ABVP Item Writing Workshop • Meeting Room 8</b> <i>Michael Dutton</i>

## FRIDAY, OCTOBER 12

Sunrise Session 7:00 - 7:50 AM • Grand Ballroom E How Startups Are Thinking About the Veterinary Space					
EQUINE	FOOD ANIMAL	AVTCP	SHELTER		
GRAND BALLROOM SALON B	MEETING ROOM 8	MEETING ROOM 11	GRAND BALLROOM SALON A		
Equine Podiatry Principles <i>Ric Redden</i>	Vaccinology: Prime Boost & Antigen Interference <i>Victor Cortese</i>	AVTCP Exam	How Do We Know They Hurt? Assessing Acute Pain in Cats <i>Sheilah Robertson</i>		
Obtaining and Interpreting the Most Informative Radiographs for the Vet/Farrier Team <i>Ric Redden</i>	Perinatal Programming Workshop <i>Victor Cortese</i>		How Do We Know They Hurt? Assessing Acute Pain in Dogs <i>Sheilah Robertson</i>		
EXHIBIT HALL OPEN (9:50 - 10:20 AM)					
How to Better Understand the Mechanical Model <i>Ric Redden</i>	Redefining Immunosuppression <i>Victor Cortese</i>	AVTCP Exam	Anesthesia for Pediatric Patients <i>Sheilah Robertson</i>		
Reversing the Ill Effects of Imbalance of Internal Forces <i>Ric Redden</i>	New Research on Various Immunology Topics <i>Victor Cortese</i>		Euthanasia: Humane & Human Considerations <i>Sheilah Robertson</i>		
Networking Luncheon • 12:10 - 1:00 PM • Grand Ballroom Salons F-J					
EXHIBIT HALL OPEN (1:00 - 1:30 PM)					
The Value of Venograms <i>Ric Redden</i>	Applied Immunology for the Practicing Veterinarian, Part 1 <i>Victor Cortese</i>	CANINE & FELINE: Feline Nursing Care Pearls <i>Paula Plummer</i>	CLINICAL ABSTRACT <i>Find speakers and titles on page 34.</i>		
How to Mechanically Manage Club Feet & the Crushed Heel <i>Ric Redden</i>	Applied Immunology for the Practicing Veterinarian Part 2 <i>Victor Cortese</i>	CANINE & FELINE: Not Your Typical Obstruction - Ureteral Obstruction in the Feline Patient <i>Paula Plummer</i>	CLINICAL ABSTRACT <i>Find speakers and titles on page 34.</i>		
EXHIBIT HALL OPEN (3:20 - 4:00 PM)					
Laminitis Revisited <i>Ric Redden</i>	Respiratory & Mucosal Immunity in Perinatal Programming Workshop <i>Victor Cortese</i>	CANINE & FELINE: Systemic Fungal Diseases in the Feline Patient <i>Paula Plummer</i>	CLINICAL ABSTRACT <i>Find speakers and titles on page 34.</i>		
Regents' Welcome Reception • 5:00 - 6:00 PM <i>Exhibit Hall</i>			 <b>Boehringer Ingelheim</b>		
ABVP Maintenance of Certification Workshop • Meeting Room 8 <i>Renee Rucinsky</i>					
ABVP Certification Workshop • Grand Ballroom Salon B <i>Stephen Pittenger &amp; Kimberlee Buck</i>					
AVTCP Board Meeting • Meeting Room 11					
ABVP Item Writing Workshop • Meeting Room 8 <i>Michael Dutton</i>					

# Program Schedule

**SATURDAY, OCTOBER 13**

	AVIAN	EXOTIC COMPANION MAMMAL	REPTILE & AMPHIBIAN	CANINE
LOCATION	MEETING ROOM 12	MEETING ROOM 10	MEETING ROOM 9	GRAND BALLROOM SALON E
SPONSORS				 <b>Boehringer Ingelheim</b>
8:00 - 8:50 AM	<b>The Critical Bird: Approach &amp; Decision Making</b> <i>Jennifer Graham</i>	<b>Diseases of the Urogenital System of Exotic Companion Mammals Part 1</b> <i>Sharman Hoppes</i>	<b>Physical Examination, Triage &amp; Stabilization of the Critical Reptile Patient</b> <i>Stacey Leonatti Wilkinson</i>	<b>Case Studies in Canine Cardiology</b> <i>Étienne Côté</i>
9:00 - 9:50 AM	<b>Anesthesia &amp; Analgesia for Critical Birds</b> <i>Jennifer Graham</i>	<b>Diseases of the Urogenital System of Exotic Companion Mammals Part 2</b> <i>Sharman Hoppes</i>	<b>Management of Renal Disease in Pet Reptiles</b> <i>Stacey Leonatti Wilkinson</i>	<b>Azotemia &amp; Heart Disease: Managing the Catch-22</b> <i>Étienne Côté</i>

**EXHIBIT HALL OPEN (9:50 - 10:20 AM)**

10:20 - 11:10 AM	<b>Avian Geriatric Medicine Part 1</b> <i>Sharman Hoppes</i>	<b>Respiratory Emergencies in Exotic Companion Mammals Part 1</b> <i>Jennifer Graham</i>	<b>Musculoskeletal &amp; Dermatologic Emergencies in Reptiles</b> <i>Stacey Leonatti Wilkinson</i>	<b>Pericardial Disease in the Dog: Current Status &amp; Clinical Management</b> <i>Étienne Côté</i>
11:20 AM - 12:10 PM	<b>Avian Geriatric Medicine Part 2</b> <i>Sharman Hoppes</i>	<b>Respiratory Emergencies in Exotic Companion Mammals Part 2</b> <i>Jennifer Graham</i>	<b>Cardiorespiratory Emergencies in Reptiles</b> <i>Stacey Leonatti Wilkinson</i>	<b>Anesthesia of the Canine Cardiology Patient</b> <i>Étienne Côté</i>

**Networking Luncheon • 12:10 - 1:00 PM • Grand Ballroom Salons F-J**

**EXHIBIT HALL OPEN (1:00 - 1:30 PM)**


1:30 - 2:20 PM	<b>Management of Avian Reproductive Emergencies</b> <i>Tracey Ritzman</i>	<b>GI Emergencies in Exotic Companion Mammals Part 1</b> <i>Jennifer Graham</i>	<b>Gastrointestinal Emergencies in Reptiles</b> <i>Stacey Leonatti Wilkinson</i>	<b>Overview of Canine Cardiology Drugs</b> <i>Étienne Côté</i>
2:30 - 3:20 PM	<b>Avian Gastrointestinal Diseases Part 1</b> <i>Sharman Hoppes</i>	<b>GI Emergencies in Exotic Companion Mammals Part 2</b> <i>Jennifer Graham</i>	<b>Reproductive Tract Emergencies in Reptiles</b> <i>Stacey Leonatti Wilkinson</i>	<b>Surgical Management of Gastric Dilatation Volvulus - The 15 Minute Gastropepy</b> <i>Howard Seim</i>


**EXHIBIT HALL CLOSING (3:20 - 4:00 PM)**

4:00 - 4:50 PM	<b>Avian Gastrointestinal Diseases Part 2</b> <i>Sharman Hoppes</i>	<b>Management of Integumentary Lesions in the Exotic Companion Mammals Emergency &amp; Critical Care Patient</b> <i>Tracey Ritzman</i>	<b>Neurologic Disorders in Reptile Emergencies</b> <i>James Bogan</i>	<b>Surgical Repair of Diaphragmatic Hernia</b> <i>Howard Seim</i>
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5:00 - 6:00 PM	<b>ABVP Diplomate Meeting • Grand Ballroom Salons C-D</b>			
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5:00 - 6:00 PM	<b>AVTCP Question &amp; Answer Session • Meeting Room 11</b>			
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<b>Reception • 7:00 - 8:00 PM</b> <i>The Florida Aquarium</i>				
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<b>Annual Awards Dinner • 8:00 - 10:00 PM</b> <i>The Florida Aquarium</i>				
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## SATURDAY, OCTOBER 13

FELINE	EQUINE	FOOD ANIMAL	AVTCP	SHELTER
GRAND BALLROOM SALONS C-D	GRAND BALLROOM SALON B	MEETING ROOM 8	MEETING ROOM 11	GRAND BALLROOM SALON A
			 	
Surgery of the Liver & Biliary System <i>Howard Seim</i>	Equine Dental Morphology <i>Jack Easley</i>	Understanding Key Concepts of the Bovine Innate & Acquired Immune Systems <i>Paul Rapnicki</i>	<b>CANINE &amp; FELINE: ICU Boot Camp - What You Should Know on Day 1</b> <i>Paula Plummer</i>	Introduction to Community & Shelter Assessments <i>Sara Pizano</i>
Feline Subtotal Colectomy & Perineal Urethrostomy <i>Howard Seim</i>	Modern Equine Dental Examination Techniques <i>Jack Easley</i>	Periparturient Immune Suppression in the Dairy Cow <i>Paul Rapnicki</i>	<b>CANINE &amp; FELINE: In the Trenches of Transfusion Medicine</b> <i>Paula Plummer</i>	Preparing for a Community & Shelter Assessment <i>Sara Pizano</i>

### EXHIBIT HALL OPEN (9:50 - 10:20 AM)

Surgical Repair of Diaphragmatic Hernia <i>Howard Seim</i>	Dental Maintenance Procedures <i>Jack Easley</i>	Disease Records for Impactful Decisions During the Vital 90 Days <i>Paul Rapnicki</i>	<b>CANINE &amp; FELINE: What Every Veterinary Nurse Should Know About Feline Hyperthyroidism</b> <i>Paula Plummer</i>	Keys to a Successful Shelter Assessment & Follow-Up <i>Sara Pizano</i>
Managing Nasopharyngeal, Ear Canal & Middle Ear Polyps <i>Howard Seim</i>	Equine Dental Disease <i>Jack Easley</i>	Pegbovigrastim Injection - Utilizing Immune Modulation in Clinical Practice <i>Paul Rapnicki</i>	<b>CANINE &amp; FELINE: Diabetes Medicine &amp; Management</b> <i>Paula Plummer</i>	Shelter Assessment Case Studies & Conclusions <i>Sara Pizano</i>

### Networking Luncheon • 12:10 - 1:00 PM • Grand Ballroom Salons F-J

### EXHIBIT HALL OPEN (1:00 - 1:30 PM)

Feline Esophagostomy Feeding Tube & Chest Drain Placements <i>Howard Seim</i>	Equine Dental Imaging <i>Jack Easley</i>	Pork Production in the U.S., Public Influence & the Role of Industry Veterinarians <i>Jeff Husa</i>	<b>EXOTICS: Exotic Companion Animal Nursing - More Than Just Oxygen &amp; a Warm Cage</b> <i>Pia Bartolini</i>	Interactive Practitioner Workshop: Cases, Protocols & Solutions <i>Elizabeth Berliner &amp; Staci Cannon</i>
Histoplasmosis: An Update on Diagnosis & Management <i>Audrey Cook</i>	Strangles Outbreaks & How to Manage Them <i>Laurie Beard</i>	Pork Production Diseases, Current Diagnostic Tools & Preventive Programs <i>Jeff Husa</i>	<b>EXOTICS: Exotic Companion Animal Emergency &amp; Triage - The Critical First Minutes to Hours</b> <i>Pia Bartolini</i>	Interactive Practitioner Workshop: Cases, Protocols & Solutions <i>Elizabeth Berliner &amp; Staci Cannon</i>

### EXHIBIT HALL CLOSING (3:20 - 4:00 PM)

Diabetes Mellitus: New Strategies for an Old Foe <i>Audrey Cook</i>	Inflammatory & Immune Mediated Myopathies in Horses <i>Laurie Beard</i>	Biosecurity & Welfare Considerations for Pork Production <i>Jeff Husa</i>	<b>EXOTICS: Reptilian &amp; Amphibian Hematology &amp; Cytology With Just a Drop</b> <i>Pia Bartolini</i>	Interactive Practitioner Workshop: Cases, Protocols & Solutions <i>Elizabeth Berliner &amp; Staci Cannon</i>
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### ABVP Diplomate Meeting • Grand Ballroom Salons C-D

### AVTCP Question & Answer Session • Meeting Room 11

### Reception • 7:00 - 8:00 PM

*The Florida Aquarium*



### Annual Awards Dinner • 8:00 - 10:00 PM

*The Florida Aquarium*

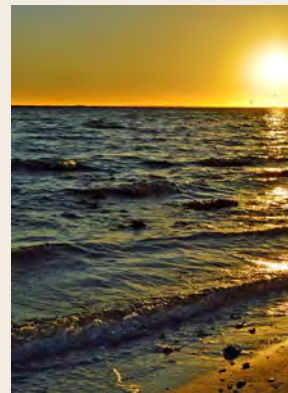
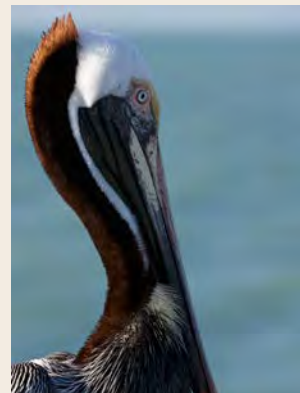


# Program Schedule

**SUNDAY, OCTOBER 14**

	AVIAN	EXOTIC COMPANION MAMMAL	REPTILE & AMPHIBIAN	CANINE
LOCATION	MEETING ROOM 12	MEETING ROOM 10	MEETING ROOM 9	GRAND BALLROOM SALON E
SPONSORS				
8:00 - 8:50 AM	<b>Avian Respiratory Emergencies</b> <i>Jennifer Graham</i>	<b>Neurological Emergencies in Exotic Companion Mammals</b> <i>Tracey Ritzman</i>	<b>Cardiopulmonary Disorders in Reptile Emergencies</b> <i>James Bogan</i>	<b>Surgical Management of Brachycephalic Syndrome &amp; Salivary Mucocoele</b> <i>Howard Seim</i>
9:00 - 9:50 AM	<b>Avian Pediatric Medicine</b> <i>Sharman Hoppes</i>	<b>Musculoskeletal Disorders in Exotic Companion Mammals Emergencies</b> <i>Tracey Ritzman</i>	<b>Septicemia in Reptile Emergencies</b> <i>James Bogan</i>	<b>Chest Drain Placement &amp; the Four Ligature Splenectomy</b> <i>Howard Seim</i>
10:20 - 11:10 AM	<b>Avian Cardiology</b> <i>Sharman Hoppes</i>	<b>Cardiovascular Disorders in Exotic Companion Mammals Emergencies</b> <i>Tracey Ritzman</i>	<b>Analgesia in Reptile Emergencies</b> <i>James Bogan</i>	<b>Anal Sacculotomy: A Novel Approach and Surgical Management of the Gall Bladder Mucocoele</b> <i>Howard Seim</i>
11:20 AM - 12:10 PM	<b>Avian Renal Disease</b> <i>Jennifer Graham</i>	<b>Ophthalmic Disorders in Exotic Companion Mammals &amp; Critical Care Patients</b> <i>Tracey Ritzman</i>	<b>Reptile Emergency Medicine? Case Reports</b> <i>James Bogan</i>	<b>Tips for Your Tie-Back (Laryngeal)</b> <i>Howard Seim</i>

TAM



**SUNDAY, OCTOBER 14**

FELINE	EQUINE	FOOD ANIMAL	AVTCP	SHELTER	FAST ULTRASOUND LAB
GRAND BALLROOM SALONS C-D	GRAND BALLROOM B	MEETING ROOM 8	MEETING ROOM 11	GRAND BALLROOM SALON A	
					
Probiotics: Myth Versus Science <i>Audrey Cook</i>	Equine Metabolic Syndrome & Pars Pituitary Intermedia Dysfunction in Horses <i>Laurie Beard</i>	Caseous Lymphadenitis: Reasonable Treatment Options? <i>Kevin Washburn</i>	EXOTICS: Reptilian Anesthesia & Analgesia <i>Pia Bartolini</i>	Not Another Blue Dot: Advances in FeLV & FIV Testing <i>Julie Levy</i>	<b>AFAST, TFAST and Vet BLUE Canine Lab</b> <i>Gregory Liscianro</i>  <b>Lab will occur offsite. Meet in the hotel lobby for a prompt 7:30 departure.</b>
Chronic Enteropathies Part 1: The Diagnostic Approach <i>Audrey Cook</i>	Equine Diseases with Low Vitamin E Concentrations <i>Laurie Beard</i>	True Small Ruminant Emergencies <i>Kevin Washburn</i>	EXOTICS: Blood Transfusion in Exotic Companion Animals <i>Pia Bartolini</i>	FeLV/FIV Testing in Animal Shelters... or Not <i>Julie Levy</i>	
Chronic Enteropathies Part 2: Treatments <i>Audrey Cook</i>	Vestibular Disease in Horses <i>Laurie Beard</i>	Are We Any Better Off with Parasite Control in Sheep & Goats <i>Kevin Washburn</i>	EXOTICS: Nidovirus - Emerging Respiratory Disease in Pythons <i>Pia Bartolini</i>	H3N2 Canine Influenza Virus: Management & Vaccination Strategies for Shelters, Identification & Management of the Individual Patient <i>Cynda Crawford</i>	
Chronic Kidney Disease: New Options for Unhappy Kidneys <i>Audrey Cook</i>	Genetic Diseases in Horses <i>Laurie Beard</i>	Small Ruminant Case Presentations <i>Kevin Washburn</i>	EXOTICS: Diagnostic Imaging Techniques in Exotic Companion Animals <i>Pia Bartolini</i>		

# IPA

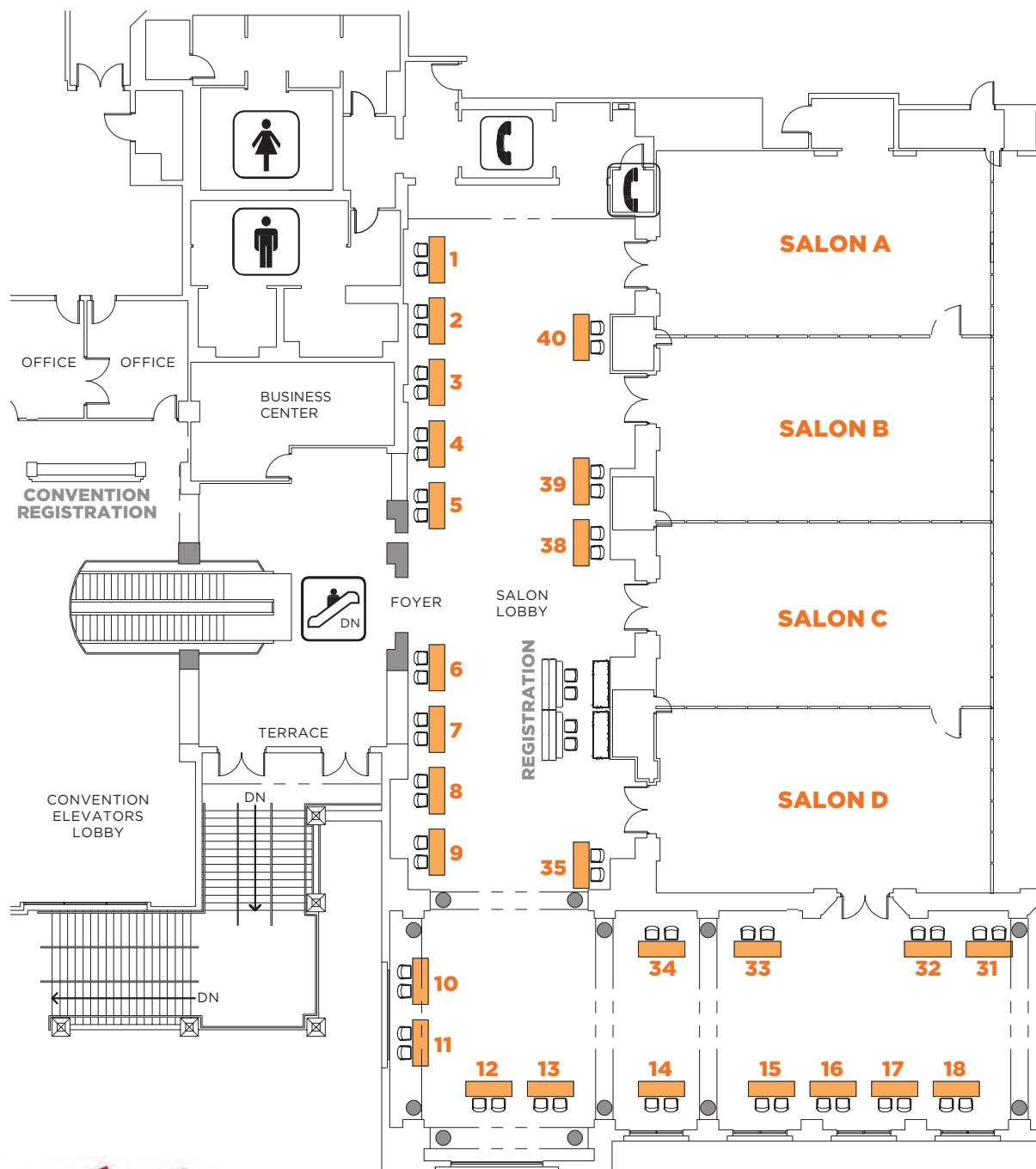


**23RD ANNUAL  
ABVP SYMPOSIUM  
OCTOBER 11-14, 2018  
ABVP.COM**

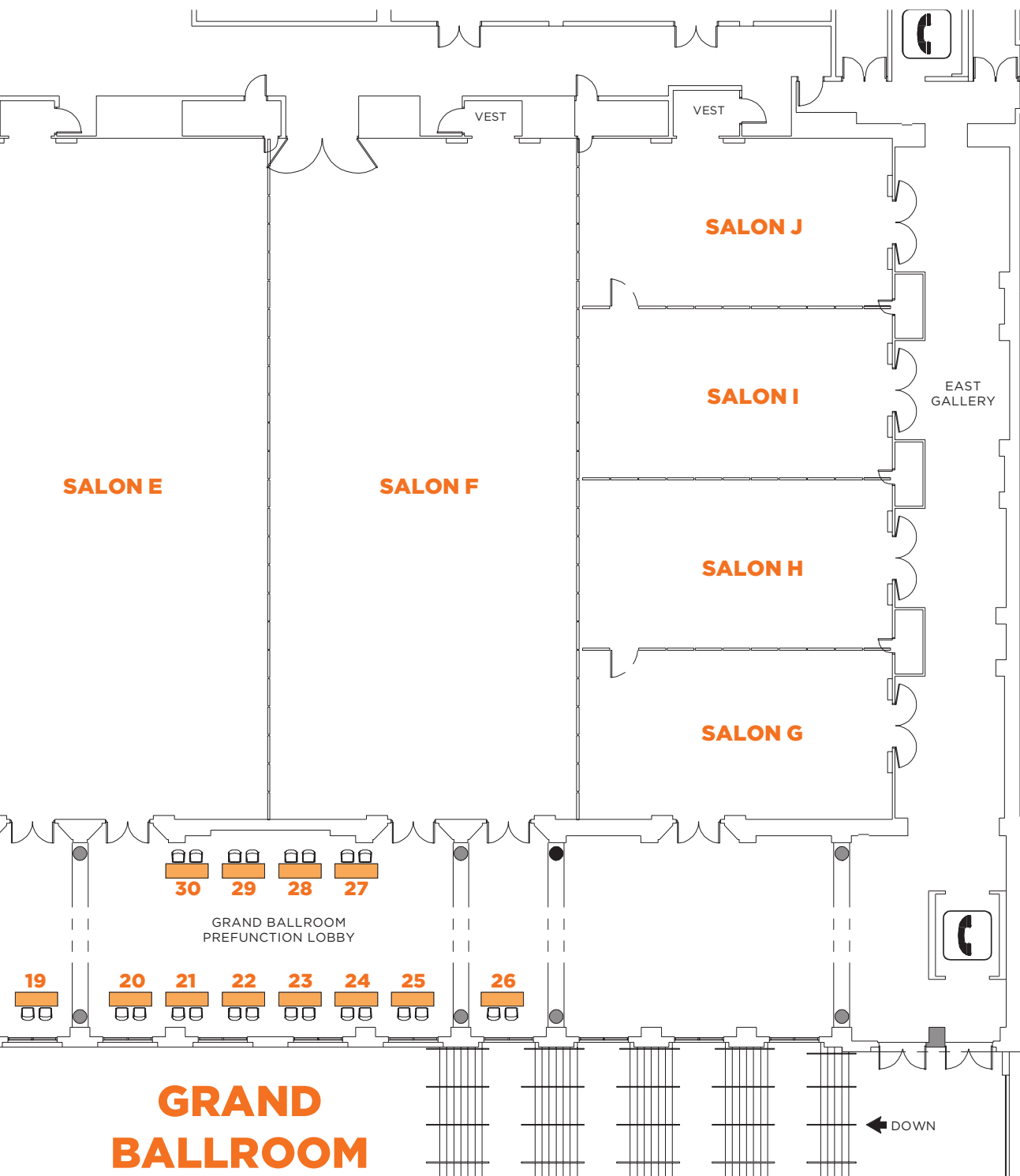


# Exhibitor Space

Tampa Marriott Waterside Hotel & Marina  
700 South Florida Avenue, Tampa, Florida 33602



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ABVP SYMPOSIUM  
OCTOBER 11-14, 2018  
ABVP.COM



# Exhibitor Descriptions

## **AKC REUNITE - BOOTH #25**

8051 Arco Corporate Dr., Ste 200  
Raleigh, NC 27617

The way home for lost pets! Even the most loved pets can get lost. Combine the power of microchips and collar tags with our nationwide recovery system staffed 24/7/365 by dedicated specialists to help you and your pet. No annual fees!

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

## **ALOHA PET & BIRD HOSPITAL - BOOTH #7**

968 E. Eau Gallie Cswy.  
Indian Harbour Beach, FL 32937

Specialty/Referral/General Practice looking for potential employees.

[www.alohavet.com](http://www.alohavet.com)

## **BOEHRINGER INGELHEIM ANIMAL HEALTH - BOOTH #30**

3239 Satellite Blvd., Bldg. 500  
Duluth, GA 30096

## **COMPANION ANIMAL HEALTH BY LITECURE - BOOTH #14**

250 Corporate Blvd., Ste B  
Newark, DE 19702

Companion Animal Health brings the most advanced technologies in pain management, rehabilitation, diagnostics, and regenerative medicine. Whether your goals are to heal and reduce pain, regenerate and repair tissues, diagnose and record treatment success, or provide rehabilitative modalities, Companion has a solution that will benefit your patients and your practice.

## **DOCTOR MULTIMEDIA - BOOTH #32**

8070 La Jolla Shores Dr. #528  
La Jolla, CA 92037

We are experts in website design and marketing for the medical industry. We provide doctors with internet solutions and marketing techniques that turn the web into an advantage for their practices.

## **E.I. MEDICAL IMAGING - BOOTH #6**

110 12th Street, SW, Unit 102  
Loveland, CO 80537

E.I. Medical Imaging® is a world leader and the only US manufacturer of portable ultrasound solutions specifically engineered for veterinary use. For the past 34 years, the Company's core values have remained intact: putting the customer first and delivering solid, effective ultrasound solutions. EIMI provides the Ibex® portable ultrasound systems.

## **ELANCO - BOOTH #33**

2500 Innovation Way  
Greenfield, IN 46140

Elanco Companion Animal Health offers some of the latest product innovations. Elanco's best-in-class products enable veterinarians to help pets live longer, healthier, higher-quality lives. Our R&D focuses on products that prevent and treat disease, improve and extend quality of life, and improve the type of care that pets receive.

## **ELLMAN, A CYNOSURE COMPANY - BOOTH #17**

5 Carlisle Rd.  
Westford, MA 01886

Ellman, A Cynosure Company, offers a full complement of high frequency/ low temperature RF Radiosurgery® products that serves the needs of the Veterinary community, including the Surgitron® Surgical RF Systems. Our products are used around the world for precision surgical procedures.

## **ELSEVIER - BOOTH #10**

1600 John F Kennedy Blvd., Ste 1600  
Philadelphia, PA 19103

Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.



**FEEL GOOD, INC. - BOOTH #24**

1460 Gemini Blvd. #8

Orlando, FL 32837

Feel Good, Inc. provides portable TENS (transcutaneous electrical nerve stimulation) units offering wide variety of benefits, including alleviating back, nerve and diabetic pain and migraines. Our units can also improve circulation, sleep patterns and have been shown to decrease the use of pain relievers that can cause negative side effects.

**FIRST CITIZENS BANK - BOOTH #3**

101 E Kennedy Blvd., Ste 4100

Tampa, FL 33602

FCB provides a full range of banking products and services to meet your individual or business financial needs.

**INTERNATIONAL VETERINARY POINT-OF-CARE ULTRASOUND SOCIETY, IVPOCUS - BOOTH #22**

1049 Lakeshore Dr.

Spicewood, TX 78669

The International Veterinary Point-of-Care Ultrasound Society, IVPOCUS, advocates the global education and advancement of Veterinary Point-of-Care Ultrasound and Global FAST (AFAST, TFAST and Vet BLUE combined) to improve patient care and save lives. IVPOCUS wants all veterinarians to be knowledgeable of the everyday applications of VPOCUS and Global FAST.

**KINDREDBIO - BOOTH #29**

1555 Bayshore Hwy., Ste. 200

Burlingame, CA 94010

Our core strategy is to modify, improve, and repurpose pre-existing drugs and therapeutics that have already proven to be safe and effective in humans. We are developing therapies for feline, canine and equine patients, using proven human biologics.

**LACUNA - BOOTH # 1 START-UP CIRCLE****LAFEBER-EMERAID - BOOTH #15**

24981 N 1400 East Rd.

Cornell, IL 61319

Lafeber Company manufactures Emerald Life Saving Nutrition, Semi-elemental enteral nutrition - Herbivore, Carnivore, Omnivore formulas; New HDN Bites Canine and Feline. Premium, complete petbird diets - Classic, Gourmet, & Senior NutriBerries, Classic & Fruit Delight AviCakes, PelletBerries & Premium Pellets. Veterinary only Nutri-An Cakes. Hey!Berries for Rabbits & Guinea Pigs.

**MDS INCORPORATED - BOOTH #27**

3429 Stearns Rd.

Valrico, FL 33596

MDS Incorporated has been a pioneer in unique and affordable Veterinary-specific endoscopy and lighting equipment since 1972. Come see our featured "Small Mammal Intubation Endoscope", designed specifically for hard-to-intubate patients. Our small animal video gastroscope delivers high resolution optics at an affordable price.

**MICROVET DIAGNOSTICS - BOOTH #20**

151 Sellars Dr.,

Inman, SC 29349

MicroVet Diagnostics collaborates with partners at the forefront of technology to bring unique, innovative diagnostic products for in-clinic use in the areas of Hematology, Immunology, Chemistry, Microbiology, Urinalysis, Coagulation and Imaging. Distributing and developing specialized, point-of-care testing that promotes higher standards in diagnostics while containing cost is our primary mission.

**MILA INTERNATIONAL, INC. - BOOTH #23**

7984 Tanner's Gate Ln.

Florence, KY 41042

Established 1991. MILA International is an innovative company that has developed veterinary medical products that are otherwise commercially unavailable. MILA is known as the gold standard for venous access catheters, chest tubes, urinary catheters, and feeding tubes for Large/Small Animals.

**NUTRAMAX LABORATORIES, INC. - BOOTH #12**

946 Quality Dr.

Lancaster, SC 29720

The science behind animal health and wellness starts here. Visit our booth to learn about Panzquin™ pancreatic enzyme concentrate, Provable®-Forte multi-strain probiotics (ask us about the chewable tablets!), and Quinicarn™ L-carnitine supplement. Other products include the #1 veterinarian recommended joint health brand Dasuquin® and liver support brand Denamarin® (ask us about Dasuquin Advanced and Denamarin Advanced), Solliquin® behavioral health supplement, Cobalequin® cobalamin tablets (also containing folate), Welactin® omega-3 supplement, Cranaindin® for urinary tract health, and Consil® synthetic bone graft putty and particulate.

**PETMAP - BOOTH # 4**

4920 W. Cypress St., Ste 110

Tampa, FL 33607

Whether you need an accurate BP/HR device for your exam room patients or a flexible/modular multi-parameter monitoring system, there's a petMAP for you. petMAPs are portable, accurate and easy to use. Choose graphic II for BP/HR or the petMAP +II for monitoring—both are handheld convenient. Made in the USA.

**PURINA - BOOTH #34**

Checkerboard Square

St. Louis, MO 63164

For over 90 years, Purina has led the way in pet food nutrition and research. Stop by to learn more about our Purina® Pro Plan® Veterinary Diets formulas. For more information, visit [www.PurinaProPlanVets.com](http://www.PurinaProPlanVets.com) or call 1-800-222-VETS.

**ROYAL CANIN - BOOTH #38**

500 Fountain Lakes Blvd., Ste 100

Saint Charles, MO 63301

Royal Canin USA offers a range of science-based cat and dog health nutrition, based on size, age, breed, lifestyle and therapeutic requirements.

**SHEPHERD SOFTWARE - BOOTH #1 START-UP CIRCLE****SONOPATH - BOOTH #40**

31 Maple Tree Ln.

Sparta, NJ 07871

SonoPath consists of a world-wide team of boarded specialists and industry professionals who work together to provide a boutique educational teleconsultation™ service, SDEP™ ultrasound training courses, and mobile clinical sonography services in New Jersey and Oregon. SonoPath was founded in 2007 by Dr. Eric Lindquist, DMV, DABVP, Cert. IVUSS.

**TAILTRAX - BOOTH #1 START-UP CIRCLE****UNIVERSAL SURGICAL INSTRUMENTS - BOOTH #26**

10 Valley Rd.

Glen Cove, NY 11542

For over 30+ years USI has supported the veterinary community by providing top quality surgical instruments at low prices, attended conferences and provided instruments at many wet labs. We offer general and specialty items for your practice including exotic vet, dental, ophthalmic, orthopedics and vet tech instruments.

**VET RAY TECHNOLOGY BY SEDECAL - BOOTH #5**

3190 N. Kennicott Ave.

Arlington Heights, IL 60004

Vet Ray Technology by Sedecal, is the world's largest manufacturer of Veterinary specific x-ray equipment. Vet Ray Technology has the top selling small animal table for both digital and film applications and supplies a wide variety of large animal products.

**VETLAB SUPPLY - BOOTH #19**

18131 SW 98th Ct.

Palmetto Bay, FL 33157

Still preferred by dermatologists for fungal culture, the original dual rectangular DermatoPlate Duo® plate is back. For in-clinic culture & sensitivity, we feature our Spectrum™ chromogenic system and our new CultiPlate®-U for fast, easy UTI screening. Our Smart Capture system instantly turns any smartphone into a high-quality microscope camera.

**VETRIX - BOOTH #13**

PO Box 1892

Cumming, GA 30028

Vetrix is the leading provider of veterinary regenerative medicine. As a world supplier of innovative veterinary products, Vetrix brings the very best in surgical products for superior patient care. Stop by to learn about our new product Healion, a particulate amniotic wound matrix for acute and chronic wound care!

**VET NOW - BOOTH #1 START-UP CIRCLE****VETSCENE - BOOTH #28**

94 East Crogan St.

Lawrenceville, GA 30046

VetScene is an independent company providing cutting-edge marketing tools that work seamlessly with your clinic's practice management software and will Increase Revenue, Improve Compliance, and Strengthen Client Loyalty.

Patient Portal, Pet Health ID Cards™, customized clinic apps, VetScene TV, client loyalty program, websites, reputation management, and full-color reminder postcards

**WILEY - BOOTH #8**

200 Locust St., Apt. 19 B

Philadelphia, PA 19106

It's the knowledge age – and it's Wiley's customers who lead the world's knowledge economy.

Our customers drive progress by providing quality education, the right skills to fulfil global demand and scientific research to fuel innovation. Our customers care, their organizations succeed and the world benefits.

# Lecture Descriptions

Courses are listed in the order they occur within the track.

## CROSS-SPECIES

### ONE HEALTH IN THE UNITED NATIONS - GLOBAL AND LOCAL VETERINARY MEDICINE

*Juan Lubroth*

'One Health' is a philosophy - from global to local ("glocal"). It requires all of us to do our part, as individuals only have part of the solution. One Health refers to designing and implementing programs, policies and research across disciplines and sectors to achieve better public and environmental health.

## COMBINED EXOTICS

### EMERGENCY MEDICINE MYTHS: FACT VS FICTION

*Jay N. Gladden*

Exotic animal emergencies present a number of challenges to emergency clinicians. The unique anatomy and physiology of many exotics requires a specialized approach. Common ER myths involving the rapid triage/assessment of exotic emergency cases and emergency stabilization efforts will be reviewed.

### CRITICAL CARE TOOLS FOR THE EXOTIC PATIENT? WHAT, HOW & WHEN PART 1 & 2

*Jay N. Gladden*

Exotic animals offer unique challenges as ER cases, however our expanding diagnostic abilities and treatment options continue to reach new potentials. Point-of-care ultrasound has revolutionized bedside assessment of ER patients, including exotics. Exotic animal emergency and critical care case management, including point-of-care diagnostic assessments and treatment strategies, will be reviewed.

### APPROACH TO FLUID THERAPY IN THE CRITICAL PATIENT

*Jay N. Gladden*

Achieving fluid balance and avoiding fluid overload is key to improving patient outcomes. This presentation will focus on shifting from a "one size fits all" fluid approach to individualized assessments as a means of optimizing fluid balance in critically ill exotic patients.

### EXOTIC ANIMAL TOXICOLOGY

*Jay N. Gladden*

Intoxications represent a large portion of emergency case presentations and include not only companion animals but exotic animal species as well. It is important to know how to manage the unique needs of these patients. This presentation will review common exotic animal poisonings and management techniques.

### APPROACH TO RESUSCITATION, INCLUDING EMERGENCY TECHNIQUES, LIFE-SAVING MEASURES & EMERGENCY MEDICATIONS

*Jay N. Gladden*

A specialized approach including rapid triage and aggressive stabilization are essential to improve outcomes in critically ill exotic animals, given their small size and unique anatomy/physiology. This session is designed to familiarize clinicians with emergency vascular access, airway management, and CPR, along with species specific triage and euthanasia techniques.

### SEPSIS & SHOCK

*Sharman Hoppes & Jennifer Graham*

There are no specific tests that provide a definitive diagnosis of sepsis; a diagnosis of sepsis is achieved based on a constellation of compatible clinical signs and diagnostic testing results. This lecture will overview case examples of sepsis and shock in zoological companion animal species.



# CANINE

## ANESTHESIA & ANALGESIA FOR EMERGENCY/CRITICAL CARE PATIENTS

*Tammy Grubb*

Although 'emergency' and 'critical care' are often lumped together, patients that present in either category can be very different. There are similarities between the two groups, like the need for appropriate triage, provision of physiologic support and assessment/treatment of pain, but choice of techniques and drugs can be very different.

## ARE YOU USING ALL YOU'VE GOT? CHRONIC PAIN TREATMENT UPDATES

*Tammy Grubb*

Chronic pain, which is increasingly common, can be severely debilitating and difficult to treat. Treatment includes a multimodal approach of environmental modification, activity enhancement, pharmaceuticals and non-pharmaceutical therapy. The pharmaceutical options include a mix of traditional and non-traditional drugs, the latter will be the focus of this lecture.

## MY FIVE (OR SIX) FAVORITE LOCAL BLOCKS

*Tammy Grubb*

Local/regional blocks should be a standard component of analgesia protocols-they are effective, inexpensive and easy to do. My favorite blocks may be some that you are using too - but perhaps there are some new blocks that you should try!

## ANESTHESIA & ANALGESIA MYTHBUSTERS!

*Tammy Grubb*

What do we know about the drugs we use every day and what do we just THINK we know? Many of our drugs are 'misunderstood' and, thus, misused. Accurate drug information means safer anesthesia, better analgesia, happier clients and more satisfied doctors and technicians.

## HOT OFF THE PRESSES: USEFUL TIDBITS FROM RECENT LITERATURE

*Tammy Grubb*

No time to read the latest anesthesia/analgesia literature? I've done it for you! In this lecture, we will peruse recent publications that might have a big impact on the way you practice anesthesia/analgesia. There might be something futuristic to watch for - or might just be interesting.

## MONITORING & SUPPORT UPGRADES: WHAT DO YOU NEED NEXT?

*Tammy Grubb*

Monitoring has been proven to decrease the incidence of anesthesia-related mortality. What should we be monitoring and how do we respond when the parameters are abnormal? It might be time to up the game by getting the next level monitoring and support drug or technique!

## MANAGEMENT OF THE DOG WITH AN INCIDENTALLY-DETECTED HEART MURMUR

*Étienne Côté*

The presentation of a dog for non-cardiovascular reasons can be complicated by the detection of a murmur unexpectedly. Does every such patient require an echocardiogram? What is the optimal sequence to follow? This seminar will present canine-specific approaches to managing this common clinical situation.

## CASE STUDIES IN CANINE CARDIOLOGY

*Étienne Côté*

Managing heart disease patients properly can be challenging. Common difficulties include diagnostic pitfalls, new diseases and treatment approaches. This seminar will present cases with one or more key clinical points underlying each one.

## AZOTEMIA & HEART DISEASE: MANAGING THE CATCH-22

*Étienne Côté*

Internal contradictions are plentiful when considering heart disease and kidney disease in the same patient. Should diuretic doses be increased or decreased? Should fluid therapy be given or withheld? Often, a patient's outcome could be optimized by better understanding the principles and clinical applications of how these diseases interplay.

## **PERICARDIAL DISEASE IN THE DOG: CURRENT STATUS & CLINICAL MANAGEMENT**

**Étienne Côté**

Our understanding of pericardial disease in dogs has evolved gradually over the past several years. Recognition and optimal treatment remain the cornerstones of management but can be challenging. This seminar will offer a review of canine pericardial disease in 2018 and clinically-applicable methods for diagnosis and treatment.

## **ANESTHESIA OF THE CANINE CARDIOLOGY PATIENT**

**Étienne Côté**

General anesthesia carries a risk for cardiovascular detriment, and this risk is logically felt to be increased in patients with pre-existing heart disease. Which precautions can be taken in induction, maintenance and monitoring is an important question, and this seminar will offer several recommendations for addressing this situation.

## **OVERVIEW OF CANINE CARDIOLOGY DRUGS: 2018**

**Étienne Côté**

Many developments have occurred recently in canine cardiovascular therapeutics. This seminar will review these and place them in the context of established treatment protocols.

## **SURGICAL MANAGEMENT OF GASTRIC DILATATION VOLVULUS? THE 15 MINUTE GASTROPEXY**

**Howard Seim**

This seminar will focus primarily on the surgical management of GDV patients. Video of clinical cases during intraoperative decision making will be presented. We will focus on the authors' preferred method for gastric derotation and the technical aspects of performing a 15-minute incisional gastropexy.

## **SURGICAL REPAIR OF DIAPHRAGMATIC HERNIA - CANINE**

**Howard Seim**

This session will discuss the three most common types of diaphragmatic hernia: acute traumatic, chronic traumatic and peritoneopericardial. Video of clinical cases will be used to illustrate techniques used to surgically repair each type of hernia. Management of chronic atelectatic lung lobes and the incidence of re-expansion pulmonary edema will be discussed.

## **SURGICAL MANAGEMENT OF BRACHYCEPHALIC SYNDROME & SALIVARY MUCOCELE**

**Howard Seim**

This session will discuss the management of upper airway obstruction in brachycephalic breeds. Emphasis will be placed on nasoplasty and soft palate resection. A new technique for nasal planum resection will be discussed. Videotape will be used to illustrate surgical techniques.

## **CHEST DRAIN PLACEMENT & THE FOUR LIGATURE SPLENECTOMY**

**Howard Seim**

This lecture will focus on techniques used to place chest drains in cats. A variety of drain types will be used as well as several different techniques. Videotape of clinical cases requiring 'emergency' as well as 'planned' chest drains will be used to illustrate the recommended procedures.

## **ANAL SACCULECTOMY: A NOVEL APPROACH & SURGICAL MANAGEMENT OF THE GALL BLADDER MUCOCELE**

**Howard Seim**

Anal sacculectomy is frequently performed in veterinary practice. A 'novel' technique has been suggested that allows the surgeon full control of the anatomy and thus preservation of vital structures during anal sac resection. This technique facilitates complete removal of the anal sac while encouraging protection of caudal rectal nerve.

## **TIPS FOR YOUR TIE-BACK (LARYNGEAL)**

**Howard Seim**

Laryngeal paralysis generally occurs in old age large breed dogs and can be life threatening. Although surgical management techniques are still controversial, this lecture will discuss the surgical technique currently recommended and give the participants tips on how to ensure a safe and effective tie-back. Videotape of a clinical case will be shown.

# FELINE

## ANESTHESIA OF THE FELINE CARDIOLOGY PATIENT

*Étienne Côté*

Many important clinical questions arise around anesthesia of feline cardiovascular patients. Does the presence of a murmur justify certain precautions or treatments? Does the appearance or disappearance of a murmur under anesthesia correlate to prognosis? These and other questions will be addressed in this seminar.

## FLUID THERAPY IN FELINE CARDIAC PATIENTS

*Étienne Côté*

Latrogenic congestive heart failure can occur if a cat with heart disease receives an excessive parenteral fluid volume. Conversely, any cat can suffer harm if it does not receive the volume of parenteral fluid that it requires. Describing ways of managing this quandary is the basis for this seminar.

## UNCOMMON FELINE CARDIOMYOPATHIES

*Étienne Côté*

Hypertrophic cardiomyopathy is the most common heart disease of cats, but what about the other cardiomyopathies? This seminar will review their clinical features, diagnostic characteristics, treatment and prognosis.

## CARDIAC ARRHYTHMIAS: FELINE-SPECIFIC FINDINGS

*Étienne Côté*

Beyond basic electrocardiography, there are essential aspects of heart rhythm disturbances that are very different in cats compared to dogs or humans. This seminar will highlight these, with an emphasis on clinically useful approaches.

## BIOMARKERS IN FELINE CARDIOLOGY: CURRENT STATUS & FUTURE DIRECTIONS

*Étienne Côté*

The idea of assessing the heart through a blood sample has obvious advantages, including availability and low cost to name just two. But how does measuring cardiac biomarkers fit in with echocardiography, radiographs and careful cardiac auscultation? This seminar will address these and related questions.

## CASE STUDIES IN FELINE CARDIOLOGY

*Étienne Côté*

Several important aspects of feline cardiology have emerged recently, and equally, certain worthwhile and time-honored principles are sometimes overlooked. Using a case-based approach, this seminar will identify some of the most useful of these for feline practice.

## PRINCIPLES OF GI SURGERY: TIPS TO MAKE IT EASIER

*Howard Seim*

When performing an intestinal resection and anastomosis by yourself (i.e., no assistant to help!), I have several tips that may make the procedure easier to perform. I will suggest a number of alternative techniques that you can consider incorporating that may make this common procedure easier and more predictably successful.

## SURGERY OF THE LIVER & BILIARY SYSTEM

*Howard Seim*

Occasionally patients require surgical management for disorders of the liver and biliary system. In the cat, the most notable examples are biliary adenocarcinoma and cystadenoma. During this session I will present several cases with hepatobiliary diseases and describe in detail the surgical management used to treat each case.

## FELINE SUBTOTAL COLECTOMY & PERINEAL URETHROSTOMY

*Howard Seim*

Subtotal colectomy for the treatment of megacolon in cats is no longer considered a salvage procedure. This session is designed to describe, in detail, the author's preferred technique for subtotal colectomy. Video of a clinical case will be used to illustrate the speaker's tricks.

### **SURGICAL REPAIR OF DIAPHRAGMATIC HERNIA – FELINE**

**Howard Seim**

This session will discuss the three most common types of diaphragmatic hernia: acute traumatic, chronic traumatic and peritoneopericardial. Video of clinical cases will be used to illustrate techniques used to surgically repair each type of hernia. Management of chronic atelectatic lung lobes and the incidence of re-expansion pulmonary edema will be discussed.

### **MANAGING NASOPHARYNGEAL, EAR CANAL & MIDDLE EAR POLYPS**

**Howard Seim**

Polyps originating from the naso-pharynx, ear canal and middle ear of young cats are occasionally encountered in practice. This session will include techniques for removing polyps from the nasopharyngeal region, external ear canal and middle ear. Video of clinical cases will be used to illustrate surgical technique.

### **FELINE ESOPHAGOSTOMY FEEDING TUBE & CHEST DRAIN PLACEMENTS**

**Howard Seim**

Placement of feeding tubes is frequently indicated for the management of nutritionally deficient and critically injured patients. This session will focus on a variety of techniques to place esophagostomy feeding tubes in cats. Because cats tolerate this avenue of feeding so well, it is important that veterinarians are able to implement it.

### **HISTOPLASMOSIS: AN UPDATE ON DIAGNOSIS & MANAGEMENT**

**Audrey Cook**

Histoplasma capsulatum is endemic in many parts of the U.S. and infection causes a range of clinical signs in cats. In this lecture, we will review patient presentation, diagnostic methods, treatment options and monitoring strategies. Clinical cases will be used to highlight key concepts.

### **DIABETES MELLITUS: NEW STRATEGIES FOR AN OLD FOE**

**Audrey Cook**

Diabetes mellitus is a common issue in feline practice and our understanding of the disease and treatment strategies have shifted substantially over the last decade. In this talk, we will review new options and approaches to cats with preclinical and clinical diabetes and those with diabetic ketoacidosis.

### **PROBIOTICS: MYTH VERSUS SCIENCE**

**Audrey Cook**

Probiotics are now widely used in small animal practice, but there is little evidence of positive effects in cats and very few products have been adequately evaluated. In this lecture, we will review the literature on this topic and discuss when and how to reach for these products.

### **CHRONIC ENTEROPATHIES PART 1: THE DIAGNOSTIC APPROACH**

**Audrey Cook**

The diagnostic work-up for cats with chronic diarrhea or other evidence of enteropathy can be costly, and a logical approach is needed. In this lecture, we will review the tests currently available and discuss how to select and interpret tests.

### **CHRONIC ENTEROPATHIES PART 2: TREATMENTS**

**Audrey Cook**

In this lecture, we will review treatment options for cats with non-infectious enteropathies. When do we try antibiotics versus prednisolone? Which diets make sense? When do we reach for drugs like chlorambucil? These issues will be discussed from an evidence-based approach.

### **CHRONIC KIDNEY DISEASE: NEW OPTIONS FOR UNHAPPY KIDNEYS**

**Audrey Cook**

Chronic kidney disease is one of the most common conditions in senior cats. In this lecture, we will review emerging therapies for these patients, such as the angiotensin receptor blocking drugs and subcutaneous ureteral bypass systems, and revisit more controversial options such as the routine use of calcitriol.



# EQUINE

## EQUINE PODIATRY PRINCIPLES

*Ric Redden*

This session explains the importance of understanding what we see, processing the information by breaking it down into smaller, simpler components and finally making logical sense of the findings. Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## OBTAINING & INTERPRETING THE MOST INFORMATIVE RADIOGRAPHS FOR THE VET/FARRIER TEAM

*Ric Redden*

Radiographic images are essential for the vet farrier team. When the task falls upon the farrier to make crucial mechanical decisions with farriers knife, rasp and therapeutic appliances, the farrier must also have working radiographic knowledge relative to their role as a mechanical solution manager. Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## HOW TO BETTER UNDERSTAND THE MECHANICAL MODEL

*Ric Redden*

Mechanics is branch of science that deals with energy, forces and their effect on bodies or the functional parts of an activity. Considering the complexity of the equine foot, it is only prudent that we learn all we possibly can about the forces at play and their influence on all components. Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## REVERSING THE ILL EFFECTS OF IMBALANCE OF INTERNAL FORCES

*Ric Redden*

This session covers how to develop a treatment protocol designed to reverse the ill effects of imbalance of internal forces. Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## THE VALUE OF VENOGRAMS

*Ric Redden*

The venogram has become an invaluable tool that also allows us to define and visualize the ill effects of pathology and to monitor various treatment protocols, making it one of our most valued tools for diagnosis and treatment strategy. Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## HOW TO MECHANICALLY MANAGE CLUB FEET & THE CRUSHED HEEL

*Ric Redden*

Club feet are one of the most common deformities throughout the horse world. How to manage the club syndrome and the crushed heel that is typically opposite the club foot. Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## LAMINITIS REVISITED

*Ric Redden*

This session will discuss the Differential vs Definitive Diagnosis, the value of radiographs and venograms and when to make the decision to cut the tendon (DDFT). Attendees should plan to bring at least 10 pages of graph paper (1 inch highlighted grid works best) and a protractor.

## EQUINE DENTAL MORPHOLOGY

*Jack Easley*

Equine dental development is unique to the species with a continually changing occlusal surface. This lecture will help demystify the equine tooth and give the clinician a clearer understanding of equine dentition from birth to old age.

## MODERN EQUINE DENTAL EXAMINATION TECHNIQUES

*Jack Easley*

The oral examination is the most important part of equine dental care. Sedation, dental equipment, instrumentation and a systematic approach allow veterinarians to diagnose dental and oral pathology that was almost never recognized clinically only 10 years ago.

### **DENTAL MAINTENANCE PROCEDURES**

**Jack Easley**

Oral examination is often followed by procedures to help maintain a healthy, comfortable mouth on horses with no true dental pathology. Deciduous tooth care and removal, wolf tooth procedures, biting evaluation, removal of sharp enamel points and scaling tartar from canine teeth are a few of these procedures.

### **EQUINE DENTAL DISEASE**

**Jack Easley**

Most dental disease in the horse can be grouped into categories based on age. Developmental conditions and traumatic injuries are common in the young growing athlete. Endodontic disease is usually seen in middle-aged horses. Infundibular cemental hypoplasia and dysplasia are developmental conditions often detected later in life.

### **EQUINE DENTAL IMAGING**

**Jack Easley**

Veterinary imaging has improved vastly over the past century. This technology has become more user-friendly with the development of digital and computerized systems. This lecture will cover all imaging techniques but will concentrate on taking and interpreting equine dental radiographs.

### **STRANGLES OUTBREAKS & HOW TO MANAGE THEM**

**Laurie Beard**

*Streptococcus equi* subspecies *equi* (old name *S. equi*) is a host specific organism resulting in "Strangles." This session will focus on the clinical signs of Strangles, complications, diagnosis, treatment and outbreak control.

### **INFLAMMATORY & IMMUNE MEDIATED MYOPATHIES IN HORSES**

**Laurie Beard**

Myositis can be the result in immune mediated diseases and other inflammatory conditions. This lecture will use cases to demonstrate the different causes of inflammatory myopathies.

### **EQUINE METABOLIC SYNDROME & PARS PITUITARY INTERMEDIA DYSFUNCTION IN HORSES**

**Laurie Beard**

Equine Cushing's Disease (or PPID) and Equine Metabolic Syndrome are endocrine diseases that can result in similar outcomes. Diagnosis of both conditions can be frustrating. Current recommendations on diagnosis and treatment options will be discussed.

### **EQUINE DISEASES WITH LOW VITAMIN E CONCENTRATIONS**

**Laurie Beard**

It is common for horses to develop low serum vitamin E concentrations, without access to green grass. There are some horses that will develop diseases associated with low vitamin E concentrations. These diseases and treatment options will be discussed (demonstrated by clinical cases).

### **VESTIBULAR DISEASE IN HORSES**

**Laurie Beard**

Vestibular disease is a common pathological condition, which is due to many different diseases. Case examples will be used (including diagnosis and treatment).

### **GENETIC DISEASES IN HORSES**

**Laurie Beard**

Genetic diseases are being much more frequently recognized and diagnosed by use of DNA testing. Common genetic diseases of various breeds will be discussed.

## **FOOD ANIMAL**

### **VACCINOLOGY: PRIME BOOST & ANTIGEN INTERFERENCE**

**Victor Cortese**

New research on designing vaccination programs for cattle and swine will be discussed.

### **PERINATAL PROGRAMMING**

**Victor Cortese**

New concepts on perinatal programming will be discussed.

## REDEFINING IMMUNOSUPPRESSION

**Victor Cortese**

New research on post stress immune suppression and vaccine responses will be discussed.

## NEW RESEARCH ON VARIOUS IMMUNOLOGY TOPICS

**Victor Cortese**

Several new studies involving utilizing the immune system for improved performance will be presented.

## APPLIED IMMUNOLOGY FOR THE PRACTICING VETERINARIAN: PART 1

**Victor Cortese**

This lecture will cover basic principles of immunology that will be applied across species with particular emphasis on production medicine (swine and cattle).

## APPLIED IMMUNOLOGY FOR THE PRACTICING VETERINARIAN: PART 2

**Victor Cortese**

This workshop will build on the first lecture, with clinical applications of immunology in the field.

## RESPIRATORY & MUCOSAL IMMUNITY IN PERINATAL PROGRAMMING WORKSHOP

**Victor Cortese**

This lecture hour will focus on a case study format that will focus on new advances in mucosal immunity.

## UNDERSTANDING KEY CONCEPTS OF THE BOVINE INNATE & ACQUIRED IMMUNE SYSTEMS

**Paul Rapnicki**

Learning objectives of this session are to review the two major branches of the immune system, innate immunity and acquired immunity, to assist veterinarians in explaining these concepts to their clients. The session will compare and contrast the various differences between the innate and acquired immune responses, as well as discuss how the two branches of the immune system interact.

## PERIPARTURIENT IMMUNE SUPPRESSION IN THE DAIRY COW

**Paul Rapnicki**

The session will describe in detail periparturient immune suppression of the innate immune system and its impact on the key phagocytic cell of the innate immune response, the neutrophil. Regulation of neutrophil production, as well as the critical neutrophil functions of migration, phagocytosis and apoptosis will be reviewed.

## DISEASE RECORDS FOR IMPACTFUL DECISIONS DURING THE VITAL 90 DAYS

**Paul Rapnicki**

The management implications of our current understanding of dairy cow immunology on programs to enhance immunity in the dairy cow will be discussed.

## PEGBOVIGRASTIM INJECTION - UTILIZING IMMUNE MODULATION IN CLINICAL PRACTICE

**Paul Rapnicki**

The session will then review published research on the pharmacodynamics effects of pegbovigrastim injection on neutrophil function and numbers allowing veterinarians to more fully understand the clinical pharmacology of this recently approved biotherapeutic protein animal health product.

## PORK PRODUCTION IN THE U.S., PUBLIC INFLUENCE & THE ROLE OF INDUSTRY VETERINARIANS

**Jeff Husa**

We will discuss the evolution of the U.S. pork industry, its contribution to global food supply, synergies between farms of various sizes, changing consumer trends, the role of practitioners and industry veterinarians in the protection of safe food supplies and well-being for pigs and people world-wide.

## PORK PRODUCTION DISEASES, CURRENT DIAGNOSTIC TOOLS & PREVENTIVE PROGRAMS

**Jeff Husa**

During this seminar, we will discuss the principle diseases currently impacting U.S. pork production, and farms of various sizes. We will provide an update on readily available diagnostic tools and field applications. We will also discuss prevention and treatment programs for each disease.

## **BIOSECURITY & WELFARE CONSIDERATIONS FOR PORK PRODUCTION**

**Jeff Husa**

We'll discuss crucial biosecurity measures on swine farms. These benefit veterinarians and producers regardless of size of operation. We will discuss auditing and new research to aid the health and well-being of the U.S. pig herd. We will also discuss key animal welfare topics, including the role of DVMs in ensuring sound science and responsible stewardship.

## **CASEOUS LYMPHADENITIS: ARE THERE ANY REASONABLE TREATMENT OPTIONS?**

**Kevin Washburn**

We will cover some of the antimicrobial research I have been doing over the past few years and discuss our findings. There should be new data out for treating these with oxytetracycline intralesionally, in addition to what we have done with tulathromycin.

## **TRUE SMALL RUMINANT EMERGENCIES**

**Kevin Washburn**

The true small ruminant emergencies will be discussed including severe anemia, ruminal acidosis, urolithiasis, dystocia and severe pneumonia.

## **ARE WE ANY BETTER OFF WITH PARASITE CONTROL IN SHEEP & GOATS?**

**Kevin Washburn**

We will discuss practical things veterinarians can do to help keep their sheep and goat producers in business.

## **SMALL RUMINANT CASE PRESENTATIONS**

**Kevin Washburn**

Various cases we have seen will be presented in the form of a signalment, history and physical examination findings. To follow will be an audience interactive portion where we discuss diagnostics, findings, diagnosis and treatment.

# AVTCP

## **CANINE AND FELINE**

### **FELINE NURSING CARE PEARLS**

**Paula Plummer**

The feline patient requires different nursing care techniques compared to their canine counterpart. Friendly feline handling, obtaining accurate blood pressures and ways to improve venipuncture are valuable in the day to day role of a veterinary nurse.

### **NOT YOUR TYPICAL OBSTRUCTION: URETERAL OBSTRUCTION IN THE FELINE PATIENT**

**Paula Plummer**

Ureteral obstruction in the feline patient is becoming more common recently. This session will review anatomy and physiology of ureteral blockage and then move onto traditional versus new interventional methods of correcting a ureteral blockage. The subcutaneous ureteral bypass system and patient care will be reviewed in its entirety.

### **SYSTEMIC FUNGAL DISEASES IN THE FELINE PATIENT**

**Paula Plummer**

Systemic fungal diseases can be seen if our feline patients live in the correct environment. Come to this lecture to learn if they are in a supportive environment for fungal infections, how to diagnose, treat and provide supportive care for patients with this type of infectious disease.

### **ICU BOOT CAMP: WHAT YOU SHOULD KNOW ON DAY 1!**

**Paula Plummer**

The basic knowledge that an ICU nurse should know to have a successful career will be reviewed. This will include; dosage calculations, continuous rate of infusions, patient assessment, proper CPR techniques and how to deal with burnout.

### **IN THE TRENCHES OF TRANSFUSION MEDICINE**

**Paula Plummer**

Whether you are at the ivory tower, at an emergency clinic or somewhere between, you are still considered to be in the trenches if your clinic is administering blood products to your patients. Come to this lecture and learn the ins and outs of canine and feline transfusion medicine.



## **WHAT EVERY VETERINARY NURSE SHOULD KNOW ABOUT FELINE HYPERTHYROIDISM**

**Paula Plummer**

Occurrence of hyperthyroidism in the feline patients is common. Nurses should understand basic physiology, clinical signs, exam findings, different diagnostic methods, treatment options and client education. With a better understanding, veterinary nurses can become better patient advocates.

## **DIABETES MEDICINE & MANAGEMENT**

**Paula Plummer**

## **EXOTICS**

### **EXOTIC COMPANION ANIMAL NURSING: MORE THAN JUST OXYGEN & A WARM CAGE**

**Pia Bartolini**

The purpose of this lecture will give technicians a guide to species specific consideration in exotic companion animal nursing. Starting from basic care to the more advance critical care of the avian, reptile and exotic mammal patients.

### **EXOTIC COMPANION ANIMAL EMERGENCY & TRIAGE: THE CRITICAL FIRST MINUTES TO HOURS**

**Pia Bartolini**

This course will cover topics of initial triaging and hands-on nursing care of the critical avian, reptilian and exotic mammal patients. Technicians will be exposed to multiple hands-on techniques for common exotic companion animal emergencies.

### **REPTILIAN & AMPHIBIAN HEMATOLOGY AND CYTOLOGY: WITH JUST A DROP...**

**Pia Bartolini**

Hematology and cytology has critical benefits in reptilian and amphibian patients. The beauty of hematology and cytology is one drop of blood, one drop of fluid, and/or one piece of tissue can give you rapid diagnostic results for a tailored treatment plan.

### **REPTILIAN ANESTHESIA & ANALGESIA**

**Pia Bartolini**

Reptiles can provide as a challenging anesthetic candidate. This lecture will review species specific anatomy and physiology consideration for anesthesia, current analgesia and local blocks.

### **BLOOD TRANSFUSION IN EXOTIC COMPANION ANIMALS**

**Pia Bartolini**

Transfusion medicine in exotic companion animals can be lifesaving, but there are many unknowns. This lecture will review cross-matching, storing, acquiring, and administering blood products in exotic mammals, avian and reptilian species.

### **NIDOVIRUS: EMERGING RESPIRATORY DISEASE IN PYTHONS**

**Pia Bartolini**

Nidovirus is a newly discovered severe respiratory virus affecting primarily ball pythons and green tree pythons. This lecture will discuss the current information about this virus as well as diagnostic testing, quarantine protocols, and supportive care.

### **DIAGNOSTIC IMAGING TECHNIQUES IN EXOTIC COMPANION ANIMALS**

**Pia Bartolini**

Diagnostics imaging is a frequently utilized modality in exotic animal medicine. A technician's radiology techniques are imperative for good diagnostic images. This lecture will review radiology and CT scan techniques and positioning for technicians working with exotic companion mammals, avian and reptile species.

## **SHELTER MEDICINE**

### **HOW DO WE KNOW THEY HURT? - ASSESSING ACUTE PAIN IN CATS**

**Sheilah Robertson**

Pain is a complex multidimensional experience with both sensory and emotional components. Lord Kelvin said "if you cannot measure it you cannot improve it;" this applies to pain assessment. Animals cannot self-report so we depend on observing behavioral changes. Videos based on validated pain tools will be discussed.

## HOW DO WE KNOW THEY HURT? - ASSESSING ACUTE PAIN IN DOGS

*Sheilah Robertson*

Pain is a complex multidimensional experience with both sensory and emotional components. Lord Kelvin said "if you cannot measure it you cannot improve it;" this applies to pain assessment. Animals cannot self-report so we depend on observing behavioral changes. Videos based on validated pain tools will be discussed.

## ANESTHESIA FOR PEDIATRIC PATIENTS

*Sheilah Robertson*

Risks faced by pediatric patients undergoing anesthesia include hypothermia, hypoglycemia, stress and pain. Because of their size, monitoring of vital signs can be challenging. However, choosing the correct combinations of anesthetics and analgesics, adapting monitoring equipment and being proactive with thermal strategies they can sail through the process.

## EUTHANASIA: HUMANE & HUMAN CONSIDERATIONS

*Sheilah Robertson*

The welfare of both the animals whose life is to end and the people performing the task must be considered. The process must be humane and meet legal standards but we must understand the complex feelings of the person performing the act which can occur before during and after euthanasia.

## ACCESS TO VETERINARY CARE: A SURVEY OF PET OWNERS ATTENDING OUTREACH CLINICS

*Rachel Kreisler*

## USE OF NALBUPHINE AS A SUBSTITUTE FOR BUTORPHANOL IN COMBINATION WITH DEXMEDETOMIDINE AND TILETAMINE/ZOLAZEPAM: A RANDOMIZED NON-INFERIORITY TRIAL

*Rachel Kreisler*

## EVALUATION OF COMPLICATION RATES IN MALE DOGS FOLLOWING A SINGLE BILATERAL INTRATESTICULAR INJECTION OF A 20% CALCIUM CHLORIDE SOLUTION IN ETHANOL FOR CHEMICAL CASTRATION

*Kim Carter*

## DESCRIPTIVE EPIDEMIOLOGY, TEST CHARACTERISTICS, AND OUTCOMES OF CATS DIAGNOSED WITH M. CANIS IN A NORTHWESTERN ANIMAL SHELTER

*Lena DeTar*

## FOSTER CARE IMPROVES SHELTER DOG BEHAVIOR AND WELL-BEING

*Sheila D'Arpino*

## THE USE, SAFETY AND PERCEPTION OF DOG PLAYGROUPS IN ANIMAL SHELTERS

*Sheila D'Arpino*

## INTRODUCTION TO COMMUNITY & SHELTER ASSESSMENTS

*Sara Pizano*

Learn why assessments to ensure Best Practices are so crucial with community programs and at the shelter level, and which decision makers are most important in the process. A review of some historical and available consulting companies will be presented, along with a discussion of MOUs, payment structure and fees.

## PREPARING FOR A COMMUNITY & SHELTER ASSESSMENT

*Sara Pizano*

Preparing appropriately for a community and shelter assessment prior to the onsite visit will result in the most comprehensive recommendations. Information gathered prior to the visit will help build a framework and foundation for recommendations which often includes ordinance revisions.

## KEYS TO A SUCCESSFUL SHELTER ASSESSMENT & FOLLOW UP

*Sara Pizano*

From the first point of contact, communication with stakeholders must be positive to encourage a sense of trust with the assessment team. This session will outline several ways to maximize the onsite visit, ensure accurate information sharing, how to engage staff/leaders/elected officials and the importance of asking the right questions.

## **SHELTER ASSESSMENT CASE STUDIES & CONCLUSIONS**

**Sara Pizano**

In the final session, successful case studies will be reviewed highlighting the benefits of strategic programming that results in sustainable resolution.

## **INTERACTIVE PRACTITIONER WORKSHOP 1-3: CASES, PROTOCOLS, SOLUTIONS**

**Elizabeth Berliner & Staci Cannon**

Attendees will be challenged with shelter cases that impact individual and population health in an animal shelter, and work through methods by which to preserve health and welfare of shelter animals from a veterinary perspective. Cases will illustrate key concepts in the provision of medical and behavioral care in shelters.

## **NOT ANOTHER BLUE DOT: ADVANCES IN FELV & FIV TESTING**

**Julie Levy**

Is it "one and done" or does diagnosis of retroviral infections in cats require a more nuanced approach? This session will share the latest discoveries about retroviral diagnosis, selecting the most reliable test, sorting out test result discrepancies. Bring your own testing horror stories and we'll work through them together.

## **FELV/FIV TESTING IN ANIMAL SHELTERS . . . OR NOT**

**Julie Levy**

Should all cats be tested, or are there times when a greater good comes from spending those resources on something else? This session will navigate the sometimes controversial topic of FeLV and FIV testing in animal shelters and what to do when that dreaded blue dot appears.

## **H3N2 CANINE INFLUENZA VIRUS: MANAGEMENT & VACCINATION STRATEGIES FOR SHELTERS**

**Cynda Crawford**

The H3N2 canine influenza virus is an emerging novel pathogen that caused nationwide epidemics in the U.S. in 2015 and 2017, including animal shelters. This presentation provides new information about management of influenza virus in shelters and implementation of vaccine strategies to mitigate risk of viral transmission.

## **H3N2 CANINE INFLUENZA VIRUS: IDENTIFICATION & MANAGEMENT OF THE INDIVIDUAL PATIENT**

**Cynda Crawford**

The H3N2 canine influenza virus is an emerging novel pathogen that caused nationwide epidemics in the U.S. in 2015 and 2017. This presentation focuses on new information about virus properties, diagnostic testing, clinical signs, and treatment options for individual patients while managing risk for infection in a population setting.

# **AVIAN**

## **THE CRITICAL BIRD: APPROACH & DECISION MAKING**

**Jennifer Graham**

As a prey species, birds hide their signs of illness to avoid predation. This presentation will overview the approach and decision-making process for critical avian patients. Essentials of initial history taking, physical examination, and stabilization will be discussed along with common stabilization procedures and emergency presentations.

## **ANESTHESIA & ANALGESIA FOR CRITICAL BIRDS**

**Jennifer Graham**

Many birds with emergency presentations have painful conditions and may benefit from the use of analgesics. Even though differences exist between birds and mammals, many of the same principles apply. This presentation overviews the basics of anesthesia and analgesia for critical birds.

## **AVIAN GERIATRIC MEDICINE: PARTS 1 & 2**

**Sharman Hoppes**

Special needs of the geriatric avian patient will be discussed. Improved nutrition, husbandry and veterinary care has led to avian patients living longer. Along with increasing age comes geriatric health issues and diseases. Common health conditions, diagnostics and treatment protocols will be discussed.

## MANAGEMENT OF AVIAN REPRODUCTIVE EMERGENCIES

*Tracey Ritzman*

Reproductive disease is a common cause of acute presentation of the avian patient. Egg retention, malformed eggs, ovarian disease and cloacal prolapse will be discussed. Diagnostic and treatment options for reproductive disease will be presented. How to make the decision of when to consider surgical care will be included.

## AVIAN GASTROINTESTINAL DISEASES: PARTS 1 & 2

*Sharman Hoppes*

The avian gastrointestinal tract differs from the mammalian and these unique anatomical and physiological differences will be discussed along with common diseases that occur in the avian patient. This lecture will discuss the common viral and bacterial gastrointestinal diseases of the avian patient, the diagnostic work up and treatment protocols.

## AVIAN RESPIRATORY EMERGENCIES

*Jennifer Graham*

After a description of anatomy and physiology of the avian respiratory system, an approach to the dyspneic patient is discussed. Diagnostics include radiographic imaging, ultrasound, cytology of sinus or tracheal flushes, and endoscopy. Essentials of patient evaluation, common stabilization procedures, and management of birds with respiratory emergencies will be discussed.

## AVIAN PEDIATRIC MEDICINE

*Sharman Hoppes*

Special needs of the pediatric avian patient will be discussed. Young birds often have different nutritional and husbandry needs leading to different disease processes occurring in the pediatric patient. Common disease processes, diagnostics and treatment protocols will be addressed and age related changes in the diagnostic work up discussed.

## AVIAN CARDIOLOGY

*Sharman Hoppes*

This lecture will discuss the common cardiac diseases in the avian patient along with the pertinent anatomy and physiology. Common presentations both in the day practice and emergency will be presented along with diagnostics and treatment protocols. Specific risk factors and actions to reduce those risk factors will be discussed.

## AVIAN RENAL DISEASE

*Jennifer Graham*

The differences in avian and mammalian renal systems are important to consider when addressing renal disease in avian species. Renal disease is common in avian species, reported in up to 29.6% of disease conditions in poultry. Some sources of renal pathology include bacterial, viral, parasitic, toxic, neoplastic, and nutritionally-related causes.

# EXOTIC COMPANION MAMMAL

## DISEASES OF THE UROGENITAL SYSTEM OF EXOTIC COMPANION MAMMALS: PARTS 1 & 2

*Sharman Hoppes*

This lecture will cover the basic anatomy and physiology of the urogenital tract of the exotic companion mammal. Common urogenital diseases of the rabbit, rodent and ferret will be discussed along with diagnostics, treatment protocols and preventative care.

## RESPIRATORY EMERGENCIES IN EXOTIC COMPANION MAMMALS: PARTS 1 & 2

*Jennifer Graham*

Exotic companion mammals may present with a variety of respiratory emergencies. Common ECM respiratory emergency presentations include pneumonia, cardiovascular disease, neoplasia, and others. This discussion will review unique anatomic and physiologic characteristics of the ECM respiratory tract followed by the stabilization, diagnostic, and management recommendations for common emergency respiratory presentations.



## **GI EMERGENCIES IN ECM: PARTS 1 & 2**

**Jennifer Graham**

Common ECM gastrointestinal emergency presentations include RGIS (Rabbit Gastrointestinal Syndrome), dental disease, foreign body ingestion, gastrointestinal obstruction, diarrhea, among others. This discussion will highlight unique anatomic and physiologic characteristics of the ECM gastrointestinal tract followed by the stabilization, diagnostic, and management recommendations for common emergency GI presentations.

## **MANAGEMENT OF INTEGUMENTARY LESIONS IN THE EXOTIC COMPANION MAMMAL EMERGENCY & CRITICAL CARE PATIENT**

**Tracey Ritzman**

Dermatological conditions can become urgent when a compromise in the dermal integrity leads to the potential for infection, hemorrhage or loss of function for the patient. This presentation will review the most common integumentary lesions in rabbits, ferret, guinea pigs, chinchillas and rodents. Primary and secondary dermatological conditions will be discussed. Emerging treatment modalities will be reviewed.

## **NEUROLOGICAL EMERGENCIES IN EXOTIC COMPANION MAMMALS**

**Tracey Ritzman**

Acute presentation for neurological symptoms will be reviewed in this presentation. Topics will include traumatic etiologies, non-infectious conditions such as neoplasia or degenerative changes as well as infectious causes such as Encephalitozoonosis, viral and bacterial disease. Species specific conditions will be discussed.

## **MUSCULOSKELETAL DISORDERS IN EXOTIC COMPANION MAMMAL EMERGENCIES**

**Tracey Ritzman**

This presentation will review the most common urgent/emergency musculoskeletal conditions of exotic companion mammals. Traumatic injuries such as fractures or luxation are a leading cause of musculoskeletal problems in exotic mammal patients. Geriatric patients can present with acute onset of chronic conditions such as age-related osteoarthritis and spondylosis.

## **CARDIOVASCULAR DISORDERS IN EXOTIC COMPANION MAMMAL EMERGENCIES**

**Tracey Ritzman**

Cardiovascular disease is well documented in many exotic mammal species such as rabbits and ferrets. Acute presentation of cardiovascular collapse may reveal more chronic underlying cardiac or vascular disease. This presentation will review the most common types of emergent cardiovascular conditions in exotic mammals and how to best diagnose and treat.

## **OPHTHALMIC DISORDERS IN THE EXOTIC COMPANION MAMMAL EMERGENCY & CRITICAL CARE PATIENT**

**Tracey Ritzman**

This presentation will review the most common emergency ocular conditions in rabbits, ferrets, guinea pigs, chinchillas and rodents. Ophthalmic emergencies include ocular trauma, proptosis, and foreign body injury to the eye, retrobulbar disease (abscess or neoplasia). Current diagnostic and treatment options will be discussed, including options for palliative care.

# **REPTILE & AMPHIBIAN**

## **PHYSICAL EXAMINATION, TRIAGE & STABILIZATION OF THE CRITICAL REPTILE PATIENT**

**Stacey Leonatti Wilkinson**

True emergencies may not be common, but do exist in reptile patients. More often acute manifestations of chronic conditions are seen. This lecture will outline the physical exam, triage, and stabilization of the critical patient, sometimes delaying treatment and diagnostics until the patient is more tolerant of handling or stress.

## **MANAGEMENT OF RENAL DISEASE IN PET REPTILES**

**Stacey Leonatti Wilkinson**

Renal disease is extremely common in reptiles, and can present as an emergency even though it is more often an acute presentation of a chronic illness. Anatomy and physiology will be discussed along with current recommendations for diagnosis, stabilization, and treatment of renal disease in reptiles.

## **MUSCULOSKELETAL & DERMATOLOGIC EMERGENCIES IN REPTILES**

***Stacey Leonatti Wilkinson***

Traumatic conditions involving the integument and the musculoskeletal system in pet reptiles are common reasons for presentation to the emergency veterinarian. Conditions such as bites or other wounds, burns, infections, dysecdysis, fractures, and shell injuries will be discussed along with proper triage, stabilization, and treatment.

## **CARDIORESPIRATORY EMERGENCIES IN REPTILES**

***Stacey Leonatti Wilkinson***

Respiratory infections are a common cause of illness in reptiles and represent a majority of presentations to the veterinarian. Respiratory difficulty can be caused by other conditions of respiratory or cardiac origin as well. This lecture will cover causes of cardiorespiratory disease in reptiles along with their diagnosis and treatment.

## **GASTROINTESTINAL EMERGENCIES IN REPTILES**

***Stacey Leonatti Wilkinson***

Gastrointestinal symptoms are a common reason pet reptiles are presented on emergency to the veterinarian. Common presenting complaints include regurgitation, constipation, diarrhea, or anorexia. Multiple causes for these symptoms can exist. These causes will be discussed in detail, along with the diagnosis and treatment of reptiles with gastrointestinal disease.

## **REPRODUCTIVE TRACT EMERGENCIES IN REPTILES**

***Stacey Leonatti Wilkinson***

Reproductive tract disease is common in pet reptiles, and these patients commonly present on emergency. Pre- and post-ovulatory egg stasis, egg yolk coelomitis, and cloacal prolapses are commonly seen in all species. Anatomy and physiology of the reproductive tract, along with diagnosis and various treatment options will be discussed.

## **NEUROLOGICAL DISORDERS IN REPTILE EMERGENCIES**

***James Bogan***

This presentation will review common neurological disorders seen in reptile emergency medicine. Neurological emergencies will often arise from trauma, infection, and nutritional deficiencies. A review of common presentations and disorders will be discussed.

## **CARDIOPULMONARY DISORDERS IN REPTILE EMERGENCIES**

***James Bogan***

This presentation will review common cardiovascular disorders seen in reptile emergency medicine. Cardiovascular disorders are usually congenital anomalies or degenerative disorders. A review of common presentations and disorders will be discussed.

## **SEPTICEMIA IN REPTILE EMERGENCIES**

***James Bogan***

A common disorder seen in herpetological medicine is septicemia. This syndrome has been seen in all taxa. Identification and management of sepsis in reptiles will be reviewed.

## **ANALGESIA IN REPTILE EMERGENCIES**

***James Bogan***

Trauma is a common presentation in reptile emergencies and control of pain associated with trauma and other painful disorders should be addressed. Pain and proper analgesia selection in reptiles will be reviewed.

## **REPTILE EMERGENCY MEDICINE? CASE REPORTS**

***James Bogan***

This lecture includes a collection of challenging cases in reptile emergencies. Discussion includes signalment, history, diagnostic work-up, and case management.

## Speakers

**Heather Barron**, DVM, DABVP (Avian Practice)

**Pia Bartolini**, CVT, VTS (CP-Exotics)

**Laurie Beard**, DVM, MS, DACVIM (LAIM)

**Elizabeth Berliner**, DVM, DABVP (Shelter Medicine Practice),  
DABVP (Canine and Feline Practice)

**James Bogan, Jr.**, DVM, DABVP (Canine and Feline Practice),  
DABVP (Reptile and Amphibian Practice), CertAqV

**Staci Cannon**, DVM, MPH, DACVPM, DABVP (Shelter Medicine Practice)

**Kim Carter**

**Audrey Cook**, BVM&S, MRCVS Diplomate ACVIM-SAIM, ECVIM-CA, DABVP (Feline Practice),  
PG Dip Vet Ed

**Victor Cortese**, DVM, PhD, DABVP (Dairy Practice)

**Étienne Côté**, DVM, DACVIM (Cardiology), DACVIM (SAIM)

**Cynda Crawford**, DVM, PhD

**Shelia D'Arpino**, DVM, DACVB

**Lena DeTar**, DVM, DACVPM

**Jack Easley**, DVM, MS, DABVP (Equine Practice), DAVDC (Eq)

**Mark Epstein**, DVM, DABVP (Canine and Feline Practice),  
CVPP

**Jay N. Gladden**, DVM, DACVECC

**Jennifer Graham**, DVM, DABVP (Avian Practice),  
DABVP (Exotic Companion Mammal Practice), DACZM

**Tamara Grubb**, DVM, PhD, DACVAA

**Sharman Hoppes**, DVM, DABVP (Avian Practice)

**Jeff Husa**, DVM, DABVP (Swine Health Management)

**Rachel Kreisler**, VMD, MSCE, DACVPM

**Stacey Leonatti Wilkinson**, DVM,  
DABVP (Reptile and Amphibian Practice)

**Julie Levy**, DVM, PhD, DACVIM (SAIM),  
DABVP (Shelter Medicine Practice)

**Gregory Lisciandro**, DVM, DACVECC, DABVP (Canine and Feline Practice)

**Juan Lubroth**, DVM, MSc, PhD, MPhil, ACVPM - Chief of Veterinary Services for the United  
Nations

**Sara Pizano**, DVM, MA

**Paula Plummer**, LVT, VTS (ECC, SAIM)

**Paul Rapnicki**, DVM, MBA

**R.F. "Ric" Redden**, VMD, PhD, DABVP (Equine)

**Tracey Ritzman**, DVM, DABVP (Avian Practice),  
DABVP (Exotic Companion Mammal Practice)

**Sheilah Robertson**, BVMS (Hons), PhD, DACVAA, DECVA, A,  
DACA, DECAWBM (WSEL), MRCVS

**Howard B. Seim III**, DVM, DACVS

**Kevin Washburn**, DVM, DACVIM (LAIM), DABVP (Food Animal Practice)



# THE ABVP FOUNDATION:

## Advancing & Elevating the Health & Well Being of Animals

### SILENT AUCTION

Your support will assist with the call for abstracts as well as the awarding of clinical research grants, along with continuing to support the Denny French Fellowship.

### CALL FOR ABSTRACTS

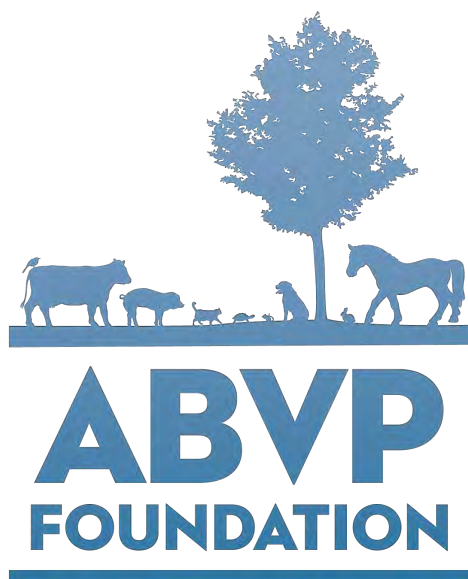
We invite veterinary students (under mentorship), practitioners, academicians and researchers interested in submitting abstracts of novel studies in practical and scientific topics related to one of the eleven recognized veterinary specialties within ABVP.

### CLINICAL RESEARCH GRANTS

The ABVP Foundation encourages submission of all types of proposals concerning animal health and disease. Two categories of proposals are currently being accepted. One for introducing veterinary students to research under the mentorship of a qualified veterinarian, and another for clinical projects conducted by veterinary clinicians.

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Students at any level of their veterinary education are eligible to apply. Recipients receive \$400 to cover the cost of Symposium registration and additional travel/lodging expenses.



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