

PROGRAM GUIDE



Atlanta.
Georgia



ABVP
SYMPOSIUM

OCTOBER 5-8, 2017

INTERCONTINENTAL BUCKHEAD

3315 PEACHTREE ROAD NE, ATLANTA, GA 30326

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Atlanta. Georgia

ON-SITE SYMPOSIUM CONTACTS

Need ABVP Assistance?

+1.352.375.5672 or ABVP@NAVC.com

InterContinental Buckhead

+1.404.946.9000

Reservations +1.404.946.9191

If you need assistance with wheelchair-accessible transportation, please visit the ABVP Registration Desk located outside the Windsor Ballrooms of the InterContinental Buckhead. All meeting rooms are wheelchair accessible in compliance with the Americans with Disabilities Act.



WIFI ACCESS

Select the WiFi network titled "ICD-Conf" from the list of available connections. After opening your browser, you will be prompted for a passcode. The passcode is "abvp2017".



22ND ANNUAL
ABVP SYMPOSIUM
OCTOBER 5-8, 2017
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Welcome to Atlanta for the ABVP 2017 Symposium!

We aspire to provide the best multi-species oriented continuing education, the best fellowship and the best experience. I hope you will take advantage of our wet labs and exhibit hall and especially connect with old friends and make new friends. There is no other conference that provides the feel of this Symposium, the interaction with the speakers, and the networking opportunities. If you are a first time attendee, don't be shy; say hello to each other and jump right in with all the activities. We have workshops for those either interested in becoming an ABVP specialist or looking to maintain their certification. I invite all Diplomates to attend the ABVP Diplomate Meeting, Saturday October 7 at 5 PM and the Annual Awards Dinner, Saturday evening.

Again, welcome to all Diplomates, Examinees, Candidates, Technicians, Sponsors, Exhibitors and our partner, NAVC!

Norris McGehee, DVM, DABVP (Canine and Feline Practice)
President, ABVP



Thank you so much for joining us for the 22nd 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 events schedule 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 exotic companion mammal wet lab on intubation procedures; and, of course, cutting-edge information and education in each of the species tracks. Our Cross Species lecture series on Cybersecurity and Online Reputation Management will appeal to all of our attendees as well. 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. 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 Atlanta this year!

Mark Epstein, DVM, DABVP (Canine and Feline Practice), CVPP
Past President, ABVP
Symposium Program Chair



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General Information

REGISTRATION DESK HOURS

Wednesday, October 4 • 2:00 - 5:00 PM
Thursday, October 5 • 9:00 AM - 5:00 PM
Friday, October 6 • 6:30 AM - 5:00 PM
Saturday, October 7 • 6:30 AM - 5:00 PM
Sunday, October 8 • 6:30 AM - 12:00 PM

EXHIBIT HALL BREAKS

Friday, October 6

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

Saturday, October 7

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 InterContinental Buckhead 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 for 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 6:30 AM on Sunday, October 8. Please pick up your CE certificate prior to leaving the Symposium.

CONTINUING EDUCATION CREDITS

This program 755-30657 is approved by the AAVSB RACE to offer a total of 152.00 CE Credits (29.00 max) being available to any one veterinarian: and/or 166.00 Veterinary Technician CE Credits (29.00 max). This RACE approval is for the subject matter categories of:

Category One: Scientific

Category Three: Non-Scientific Practice Management/Professional Development 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 sponsor of continuing education in the State of New York for veterinarians and veterinary technicians.

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 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 5, 1:00 – 4:50 PM • Windsor DE

PREVENTIVE CARE FOR YOUR ONLINE REPUTATION

Kimberly May

You're constantly telling clients the value of preventive health care, but do you practice preventive care for your online reputation? In this session, we'll explore best practices for monitoring and maintaining your practice's online reputation, including communications; conflict resolution; addressing compassion fatigue; and administrative policies and practices.

EVERYONE'S A CRITIC: DEALING WITH ONLINE NEGATIVITY WITHOUT LOSING YOUR MIND

Kimberly May

Social media and review sites provide unparalleled opportunities for marketing your practice and building community, but they have a dark side. And not only are they here to stay, but they're growing in use. But with the correct approach, many online critics can become supporters. In this session, we'll talk about the types of criticism practices face, and discuss actionable methods for responding to criticism.

DEALING WITH CYBERBULLYING

Kimberly May

When online negativity and criticism spiral into online attacks and threats, what do you do? In this session, we'll discuss strategies for preventing and mitigating cyberbullying of veterinarians and veterinary practices.

THE NECESSITY OF ETHICAL DISCOURSE IN VETERINARY INTERNET FORUMS

William Folger

This lecture contains detailed information that can be useful for private practice veterinarians in designing skills in social media forums, and assist veterinarians in maintaining professionalism with colleagues in these forums. New problems arising from social media forums are detailed, from internet reviews of veterinarians and veterinary practices from clients as well as current and former employees.



EXOTICS INTUBATION LAB

Thursday, October 5, 1:00 – 4:00 PM • Hope 3

Angela Lennox

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

Intubation is a critically important skill for airway management in traditional pet species. While equally important in exotic companion mammals, intubation is challenging, especially in small species. This lab will focus on direct and indirect visualization techniques for intubation in rabbits, rodents, and select smaller exotic mammals using repurposed cadavers. The lab will begin with a presentation on various techniques, including movies demonstrating blind intubation of the live rabbit, and finish with plenty of time to practice skills on the cadavers. The lab will feature the use of a semi-flexible "intubation" endoscope ideal for this purpose.

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CANINE AND FELINE NERVE BLOCK LAB

Thursday, October 5, 1:00 – 5:00 PM • Hope 1 & 2

Mark Epstein

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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COMMITTEE MEETINGS

Thursday, October 5, 7:00 – 8:30 PM

ABVP Outreach Committee • Windsor A
ABVP Symposium Committee • Trippe 2 & 3
ABVP Foundation Board • Trippe 1



SUNRISE SESSIONS • WINDSOR DE

THE EXPLOSION OF LASER THERAPY IN VETERINARY MEDICINE CROSS SPECIES

Friday, October 6, 7:00 – 7:50 AM

Suzanne Plamondon

The concepts of Laser
Therapy that participants
may expect to learn after attending this
lecture include understanding:

- The rapid growth of clinical research in both human and veterinary medicine
- Current clinical research studies in human and veterinary medicine
- Common clinical indications across species



BEYOND THE TEXTBOOK ADDISONIAN DOG

Saturday, October 7, 7:00 – 7:50 AM

Patty Lathan

This lecture will discuss the diagnosis and treatment of Addison's disease. We will focus on some of the nuances associated with Addisonians, including less common clinical signs, dosing of larger patients, and monitoring.



RETHINKING MANAGEMENT OF OSTEOARTHRITIS

Sunday, October 8, 7:00 - 7:50 AM

Mark Epstein

Attendees will gain an understanding of the importance of recognizing and managing chronic pain, as well as the benefits of early OA diagnosis. Scientific data on multimodal analgesia options will be shared. The importance of pain assessment, intervention, multimodal treatment, and patient follow up will be points of emphasis.



REGENTS' WELCOME RECEPTION

Friday, October 6, 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 6, 6:00 – 8:00 PM • Hope 1 & 2

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 6, 6:00 – 8:00 PM • Trippe 1

Stephen Pittenger and 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 6, 6:00 – 8:00 PM • Trippe 2

ABVP ITEM WRITING WORKSHOP

Friday, October 6, 8:00 – 9:30 PM • Hope 1 & 2

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 7, 5:00 – 6:00 PM • Windsor C

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 7, 5:00 – 6:00 PM • Trippe 3

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

ANNUAL AWARDS RECEPTION AND DINNER

Saturday, October 7, 6:30 - 9:00 PM • Windsor AB

Reservations are required in advance. No tickets will be sold onsite.

We look forward to welcoming all attendees to this annual dinner where we recognize newly certified and recertified Diplomates.



AAFP/ABVP SEMINAR

Sunday, October 8, 8:00 AM – 12:00 PM • Windsor C

Margie Scherk

SKINNY OLD CATS: SARCOPENIA AND CACHEXIA

When is weight loss a normal age-related change and when does it call for investigation? If we intervene before a certain point, can we turn weight and muscle decline around?

NEW TESTS: WHEN TO USE THEM AND WHEN TO LOSE THEM

Numerous new diagnostic tests are released for veterinary patients. It is important to understand the diagnostic usefulness of the test. It is also important to know whether the information it provides will improve the care that can be provided, affect the treatment plan and the outcome for an individual patient.



THE GERIATRIC CAT: COMPLEX MANAGEMENT WITH MULTIPLE DISORDERS, I AND II

The older cat is predisposed to many medical problems and often presents with several concurrent disease conditions. We will look at managing two examples: chronic kidney disease, hyperthyroidism, arthritis and hypertension and, time allowing, a cat with diabetes mellitus, IBD, dental disease and chronic kidney disease.

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AFAST, TFAST AND VET BLUE CANINE LAB

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

Fee is \$375. Limited attendance. Lab will be held on-site.

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 lecture series on Friday, October 6 from 6:00 - 9:00 PM to be admitted to the lab. Meet in the hotel lobby for departure to the lab at 7:15 AM prompt.



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ABVP Symposium



**ELANCO IS A PROUD SPONSOR
OF SUNDAY'S SUNRISE SESSION,
RETHINKING MANAGEMENT OF
OSTEOARTHRITIS, PRESENTED
BY DR. MARK EPSTEIN**

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Program Schedule

WEDNESDAY, OCTOBER 4

8:00 AM - 12:00 PM	Windsor CDE	ABVP Specialty Exams for All Categories, Part 1
2:00 - 6:00 PM	Windsor CDE	ABVP Specialty Exams for All Categories, Part 2
6:00 - 7:00 PM	Windsor Garden	Reception for all Examinees

THURSDAY, OCTOBER 5

8:00 AM - 12:00 PM	Windsor C	ABVP Practical Exams for All Categories
1:00 - 1:50 PM	Windsor DE	ABVP Cross Species Lecture Series: Preventive Care for Your Online Reputation <i>Kimberly May</i>
2:00 - 2:50 PM	Windsor DE	ABVP Cross Species Lecture Series: Everyone's a Critic: Dealing with Online Negativity Without Losing Your Mind <i>Kimberly May</i>
3:00 - 3:50 PM	Windsor DE	ABVP Cross Species Lecture Series: Dealing with Cyberbullying <i>Kimberly May</i>
4:00 - 4:50 PM	Windsor DE	ABVP Cross Species Lecture Series: The Necessity of Ethical Discourse in Veterinary Internet Forums <i>William Folger</i>
1:00 - 4:00 PM	Hope 3	Exotics Intubation Lab <i>Angela Lennox</i> Limited attendance. Additional fee.   <small>www.UniversalSurgical.com (877) 587-6278</small>
1:00 - 5:00 PM	Hope 1 & 2	Canine and Feline Nerve Block Lab <i>Mark Epstein</i> Limited attendance. SOLD OUT  <small>www.UniversalSurgical.com (877) 587-6278</small>
7:00 - 8:30 PM	Windsor A	ABVP Outreach Committee Meeting
7:00 - 8:30 PM	Trippe 2 & 3	ABVP Symposium Committee Meeting
7:00 - 8:30 PM	Trippe 1	ABVP Foundation Board Meeting

ABVP EXHIBIT HALL



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Program Schedule

FRIDAY, OCTOBER 6


Sunrise Session • 7:00 - 7:50 AM • Windsor DE <i>The Explosion of Laser Therapy in Veterinary Medicine Cross Species, Suzanne Plamondon</i> 			
	EXOTICS COMBINED TRACK	CANINE	FELINE
	Hope 3	Windsor DE	Windsor C
SPONSORS			
8:00 - 8:50 AM	Comparative Anatomy: The Coelomic Cavities from Simple to Complex <i>Rob Coke, Angela Lennox, Brian Speer</i>	You Know It's Neuro, But Why and What to Do <i>Andrew Isaacs</i>	Chronic Vomiting in Cats: Diagnosis and Treatment of 20% of the Cats You See, I <i>Gary Norsworthy</i>
9:00 - 9:50 AM	Pre and Peri Operative Considerations for All Surgical Patients <i>Rob Coke, Angela Lennox, Brian Speer</i>	Seizure Management: Different Angles for Approaching Refractory Cases <i>Andrew Isaacs</i>	Chronic Vomiting in Cats: Diagnosis and Treatment of 20% of the Cats You See, II <i>Gary Norsworthy</i>

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

10:20 - 11:10 AM	Multi-Modal Anesthesia: How to Apply it to Any Exotic Patient <i>Brian Speer, Rob Coke, Angela Lennox</i>	Neurological Diseases Your Clients Will be Googling and Asking You About <i>Andrew Isaacs</i>	Chronic Vomiting in Cats: Diagnosis and Treatment of 20% of the Cats You See, III <i>Gary Norsworthy</i>
11:20 AM - 12:10 PM	Alfaxalone-Changing the Exotic Anesthetic World <i>Angela Lennox</i>	A Look at Both Sides of the Coin: Surgical Versus Medical Management of Neurological Diseases <i>Andrew Isaacs</i>	Chronic Renal Disease: It's Time for Calcitriol and High Protein Diets, I <i>Gary Norsworthy</i>

Networking Luncheon • 12:10 - 1:00 PM • Venetian Ballroom

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



SPONSORS			
1:30 - 2:20 PM	The Critical Abdomen: Decision Making <i>Jill Heatley, Angela Lennox, Brian Speer</i>	Rusty Pipes - Chronic Kidney Disease, I <i>Joe Bartges</i>	Chronic Renal Disease: It's Time for Calcitriol and High Protein Diets, II <i>Gary Norsworthy</i>
2:30 - 3:20 PM	Advanced Radiography for Diagnosing Surgical Conditions <i>Brian Speer, Jill Heatley, Angela Lennox</i>	Rusty Pipes - Chronic Kidney Disease, II <i>Joe Bartges</i>	Chronic Renal Disease: It's Time for Calcitriol and High Protein Diets, III <i>Gary Norsworthy</i>

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

4:00 - 4:50 PM	Endoscopic Approach to Surgery in Exotic Patients <i>Steve Divers</i>	Urine a Losing Situation: Proteinuria <i>Joe Bartges</i>	Feline Pediatrics: How to Treat the Small and the Sick <i>Susan Little</i>
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Regents' Welcome Reception • 5:00 - 6:00 PM

Exhibit Hall



6:00 - 8:00 PM	ABVP Maintenance of Certification Workshop • Hope 1 & 2 <i>Renee Rucinsky</i>	
6:00 - 9:00 PM	FAST Ultrasound Series • Windsor A <i>Gregory Liscandro</i>	
8:00 - 9:30 PM	ABVP Item Writing Workshop • Hope 1 & 2 <i>Michael Dutton</i>	



FRIDAY, OCTOBER 6



Sunrise Session • 7:00 - 7:50 AM • Windsor DE <i>The Explosion of Laser Therapy in Veterinary Medicine Cross Species, Suzanne Plamondon</i> 			
EQUINE	FOOD ANIMAL	AVTCP	SHELTER
Trippe 1	Trippe 2	Hope 1 & 2	Windsor A
			
Defining and Localizing Lesions of the Nervous System <i>Frank Andrews</i>	Launching Health and Productivity in Young Calves <i>Brian Aldridge</i>	AVTCP Exam	Ectoparasites: Demodex, Scabies, Fleas, and Ticks <i>Karen Snowden</i>
The Neurologic Examination <i>Frank Andrews</i>	Predicting Health and Productivity in Young Calves <i>Brian Aldridge</i>		Heartworm Disease and Management in the Shelter <i>Karen Snowden</i>

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

Diagnosis of Neurologic Disease <i>Frank Andrews</i>	Fortifying Immunological Health and Development in Young Calves <i>Brian Aldridge</i>	AVTCP Exam	GI Protozoa: Giardia, Coccidia, and More <i>Karen Snowden</i>
Treatment of Neurologic Disease <i>Frank Andrews</i>	Supporting Cardiovascular Health in Young Calves <i>Brian Aldridge</i>		Vector-Borne Diseases: Lyme, Ehrlichia, Anaplasma, and More <i>Karen Snowden</i>

Networking Luncheon • 12:10 - 1:00 PM • Venetian Ballroom

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

			
Common Neurologic Diseases. What's Old and What's New <i>Frank Andrews</i>	Cultivating Gastrointestinal Health and Development in Young Calves <i>Brian Aldridge</i>	CANINE & FELINE: What a Headache! Nursing Head Trauma Patients <i>Brandy Helewa</i>	GI Helminths in the Shelter <i>Karen Snowden</i>
Neurologic Disease Cases, a Problem Oriented Approach <i>Frank Andrews</i>	Optimizing Respiratory Health and Development in Young Calves <i>Brian Aldridge</i>	CANINE & FELINE: Icy-Hot: Hypo and Hyperthermia <i>Brandy Helewa</i>	Parasitic Epidemiology in Shelters vs. Private Practice <i>Karen Snowden</i>


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

Neurologic Examination Cervical Spine <i>Barrie Grant</i>	Failure of Adaptive and Transitional Health in Young Calves – Case Examples <i>Brian Aldridge</i>	CANINE & FELINE: Common Neurological Emergencies <i>Brandy Helewa</i>	CLINICAL ABSTRACT: <i>Find speakers and titles on page 34.</i>
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Regents' Welcome Reception • 5:00 - 6:00 PM

Exhibit Hall



ABVP Certification Workshop • Trippe 1 <i>Stephen Pittenger and Kimberlee Buck</i>	AVTCP Board Meeting • Trippe 2
FAST Ultrasound Series • Windsor A <i>Gregory Lisciandro</i>	
ABVP Item Writing Workshop • Hope 1 & 2 <i>Michael Dutton</i>	

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SATURDAY, OCTOBER 7

Sunrise Session • 7:00 - 7:50 AM • Windsor DE <i>Beyond the Textbook Addisonian Dog, Patty Lathan</i> 				
	AVIAN	EXOTIC COMPANION MAMMAL	REPTILE & AMPHIBIAN	CANINE
	Hope 1	Hope 2	Hope 3	Windsor DE
SPONSORS				nutra max [™] LABORATORIES, INC.
8:00 - 8:50 AM	Surgical Approaches to the Coelomic Cavities of Birds and Principles of Microsurgery <i>Brian Speer</i>	Approaches to the Abdomen in ECM - More than One Method <i>Angela Lennox</i>	Surgical Approach to the Coelom of Chelonians <i>Steve Divers</i>	Urine Pain: Urinary Tract Infections <i>Joe Bartges</i>
9:00 - 9:50 AM	Surgery of the Reproductive Tract: Procedures that Most Practitioners Can Do <i>Brian Speer</i>	Reproductive Surgeries and Alternatives in Male Mammals <i>Cheryl Greenacre</i>	Surgical Approach to the Coelom of Squamates <i>Steve Divers</i>	Urine Agony: Urolithiasis, I <i>Joe Bartges</i>
EXHIBIT HALL OPEN (9:50 - 10:20 AM)				
10:20 - 11:10 AM	Surgery of the Reproductive Tract: The More Challenging Procedures <i>Brian Speer</i>	Laparoscopy of Small Mammals <i>Steve Divers</i>	Reptile Surgical Guidelines <i>Jill Heatley</i>	Urine Agony: Urolithiasis, II <i>Joe Bartges</i>
11:20 AM - 12:10 PM	Surgery of the Cloaca and Vent: New Insights to Old Problems and Procedures <i>Brian Speer</i>	Reproductive Surgeries and Alternatives in Female Mammals <i>Cheryl Greenacre</i>	Reproductive Surgeries From Coelom to Hemipenes <i>Jill Heatley</i>	Urine a Mess: Micturition Disorders <i>Joe Bartges</i>
Networking Luncheon • 12:10 - 1:00 PM • Venetian Ballroom				
EXHIBIT HALL OPEN (1:00 - 1:30 PM)				
SPONSORS				
1:30 - 2:20 PM	Gastrointestinal Surgery, I (from crop to proventriculus, including FBs, stomach flushes, aspiration, etc) <i>Angela Lennox</i>	Surgery of the Mammalian Gastrointestinal Tract <i>Tarah Hadley</i>	Diagnostic Coelioscopy and Endosurgery of Reptiles <i>Steve Divers</i>	Sepsis and Septic Shock, I - Pathophysiology and Identification <i>Chris Byers</i>
2:30 - 3:20 PM	Avian Gastrointestinal Surgery, II (from ventriculus to colon) <i>Tarah Hadley</i>	Surgery of the Urinary Tract from Kidney to Urethra <i>Cheryl Greenacre</i>	Gastrointestinal Surgery in Reptiles and Amphibians <i>Rob Coke</i>	Sepsis and Septic Shock, II - Treatment <i>Chris Byers</i>
EXHIBIT HALL CLOSING (3:20 - 4:00 PM)				
4:00 - 4:50 PM	Diagnostic Coelioscopy and Endosurgery of Birds <i>Steve Divers</i>	Managing Post Abdominal Surgical Complications <i>Cheryl Greenacre</i>	Surgical Management of Diseases of the Oral Cavity <i>Rob Coke</i>	Immune-Mediated Hemolytic Anemia <i>Chris Byers</i>
5:00 - 6:00 PM	ABVP Diplomate Meeting • Windsor C			
Reception • 6:30 - 7:00 PM • Windsor Garden				
Annual Awards Dinner • 7:00 - 9:00 PM • Windsor AB				

SATURDAY, OCTOBER 7


Sunrise Session • 7:00 - 7:50 AM • Windsor DE <i>Beyond the Textbook Addisonian Dog, Patty Lathan</i>				
FELINE	EQUINE	FOOD ANIMAL	AVTCP	SHELTER
Windsor C	Trippe 1	Trippe 2	Trippe 3	Windsor A
				
FeLV/FIV: Update on Testing Kittens <i>Susan Little</i>	Diagnostic Neurologic Testing <i>Barrie Grant</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, PCV2 <i>James Lowe</i>	CANINE & FELINE: Decontamination for Antidotes and Toxicities <i>Brandy Helewa</i>	Acute Respiratory Distress in the Dog <i>Elizabeth Thomovsky</i>
FIP: Update on Diagnostics and Treatment Options <i>Susan Little</i>	Surgical Treatment of the Cervical Spine <i>Barrie Grant</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, PRRS 1 <i>James Lowe</i>	CANINE & FELINE: Transfusion Therapy Part I: Determining the Need <i>Brandy Helewa</i>	Acute Respiratory Distress in the Cat <i>Elizabeth Thomovsky</i>

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

Neonatal Resuscitation: What You Need to Know <i>Susan Little</i>	Neurological Case Presentation and Treatment, I <i>Barrie Grant</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, PRRS 2 <i>James Lowe</i>	CANINE & FELINE: Transfusion Therapy Part II: Providing the Goods <i>Brandy Helewa</i>	Latest Updates on CPR for Shelters and Spay-Neuter Clinics <i>Elizabeth Thomovsky</i>
Common Congenital Defects in Kittens <i>Susan Little</i>	Neurological Case Presentation and Treatment, II <i>Barrie Grant</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, Health Monitoring <i>James Lowe</i>	CANINE & FELINE: The ABCs of IMHA <i>Brandy Helewa</i>	Dystocia and Neonatal Resuscitation <i>Elizabeth Thomovsky</i>

Networking Luncheon • 12:10 - 1:00 PM • Venetian Ballroom

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

				
Recognition and Assessment of Pain in Cats <i>Susan Little</i>	Amputation of the Equine Distal Limb <i>Barrie Grant</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, Data Management <i>James Lowe</i>	EXOTICS: Avian Emergency and Critical Care <i>Kristina Palmer</i>	The 5 Most Common Toxicities in Dogs and Cats <i>Elizabeth Thomovsky</i>
Feline Chronic Pain Syndromes - More than Musculoskeletal <i>Margie Scherk</i>	Thoracic Imaging of Horses <i>Norm Rantanen</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, Evidence-Based Approaches <i>James Lowe</i>	EXOTICS: Avian Hospitalization: A Different Kind of Bird House <i>Kristina Palmer</i>	CLINICAL ABSTRACT: Find speakers and titles on pages 34 - 35.

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

Cardiorenal Syndrome: A Different Balancing Act <i>Margie Scherk</i>	Prepurchase Imaging in Horses <i>Norm Rantanen</i>	The Interactions Between Management Strategies and Infectious Disease Occurrence and Outcomes in Food Animal Production Systems, Vertical Disease Transmission <i>James Lowe</i>	EXOTICS: Avian Anesthesia <i>Kristina Palmer</i>	CLINICAL ABSTRACT: Find speakers and titles on pages 34 - 35.
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AVTCP Question and Answer Session • Trippe 3

Reception • 6:30 - 7:00 PM • Windsor Garden




Annual Awards Dinner • 7:00 - 9:00 PM • Windsor AB



Program Schedule



SUNDAY, OCTOBER 8

Sunrise Session • 7:00 - 7:50 AM • Windsor DE <i>Rethinking Management of Osteoarthritis, Mark Epstein</i> 				
	AVIAN	EXOTIC COMPANION MAMMAL	REPTILE & AMPHIBIAN	CANINE
	Hope 1	Hope 2	Hope 3	Windsor DE
SPONSORS				
8:00 - 8:50 AM	Beak Anatomy, Form and Function in Birds <i>Brian Speer</i>	Odontogenic Abscesses, I <i>Angela Lennox</i>	Surgery of the Urinary Tract <i>Jill Heatley</i>	Hepatic Encephalopathy <i>Chris Byers</i>
9:00 - 9:50 AM	Surgery of the Beak and Skull <i>Brian Speer</i>	Odontogenic Abscesses, II <i>Angela Lennox</i>	Surgery of the Skin-Trauma to Neoplasia <i>Jill Heatley</i>	Localizing Dyspnea in Dogs <i>Chris Byers</i>
BREAK (9:50 - 10:20 AM)				
10:20 - 11:10 AM	Surgery of the Upper Respiratory Tract <i>Brian Speer</i>	Surgery of the Respiratory Tract, I <i>Steve Divers</i>	Surgical Repair of the Chelonian Carapace/Plastron <i>Jill Heatley</i>	Management of Traumatic Brain Injury <i>Chris Byers</i>
11:20 AM - 12:10 PM	Surgery of the Skin: Trauma to Neoplasia <i>Cheryl Greenacre</i>	Surgery of the Respiratory Tract, II <i>Angela Lennox</i>	Fracture Repair in Reptiles with Legs <i>Jill Heatley</i>	Remember the Basics <i>Chris Byers</i>

AROUND TOWN *Atlanta Georgia*



SUNDAY, OCTOBER 8

Sunrise Session • 7:00 - 7:50 AM • Windsor DE <i>Rethinking Management of Osteoarthritis, Mark Epstein</i>				
				
FELINE	EQUINE	FOOD ANIMAL	AVTCP	SHELTER
Windsor C	Trippe 1	Trippe 2	Trippe 3	Windsor A
				
AAFP/ABVP Seminar: Skinny Old Cats: Sarcopenia and Cachexia <i>Margie Scherk</i>	Imaging Protocols in Lameness Evaluation of Horses <i>Norm Rantanen</i>	What Diagnostic Tests to Use and How to Interpret Results for BRD <i>Je rey Sarchet</i>	EXOTICS: Managing GI Stasis in Rabbits <i>Kristina Palmer</i>	Common Infectious and Parasitic Diseases of Avian Species in the Shelter Setting <i>Tarah Hadley</i>
AAFP/ABVP Seminar: New Tests: When to Use Them and When to Lose Them <i>Margie Scherk</i>	Importance of Scintigraphy in Lameness Diagnosis in Horses <i>Norm Rantanen</i>	Interpreting and Applying Evidenced Based Medicine from Meta-Analysis Studies for BRD <i>Je rey Sarchet</i>	EXOTICS: Common Presentations of the Green Iguana <i>Kristina Palmer</i>	Common Infectious and Parasitic Diseases of the Exotic Companion Mammal in the Shelter Setting <i>Tarah Hadley</i>
BREAK (9:50 - 10:20 AM)				
AAFP/ABVP Seminar: The Geriatric Cat: Complex Management with Multiple Disorders, I <i>Margie Scherk</i>	Magnetic Resonance Imaging <i>Norm Rantanen</i>	Rational Therapeutics or How to Develop and Evaluate BRD Protocols <i>Je rey Sarchet</i>	EXOTICS: Clinical Nutrition for Exotic Pets <i>Kristina Palmer</i>	Interactive Practitioner Workshop: Case Presentations and Creative Solutions <i>Elizabeth Berliner and Staci Cannon</i>
AAFP/ABVP Seminar: The Geriatric Cat: Complex Management with Multiple Disorders, II <i>Margie Scherk</i>	Regenerative Laser Therapy (RLT) <i>Norm Rantanen</i>	What They Don't Want You to Know About Their Study <i>Je rey Sarchet</i>	EXOTICS: The "Tooth" About Dental Disease in Rabbits and Rodents <i>Kristina Palmer</i>	

Georgia Aquarium



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T37, T38, T39

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T32

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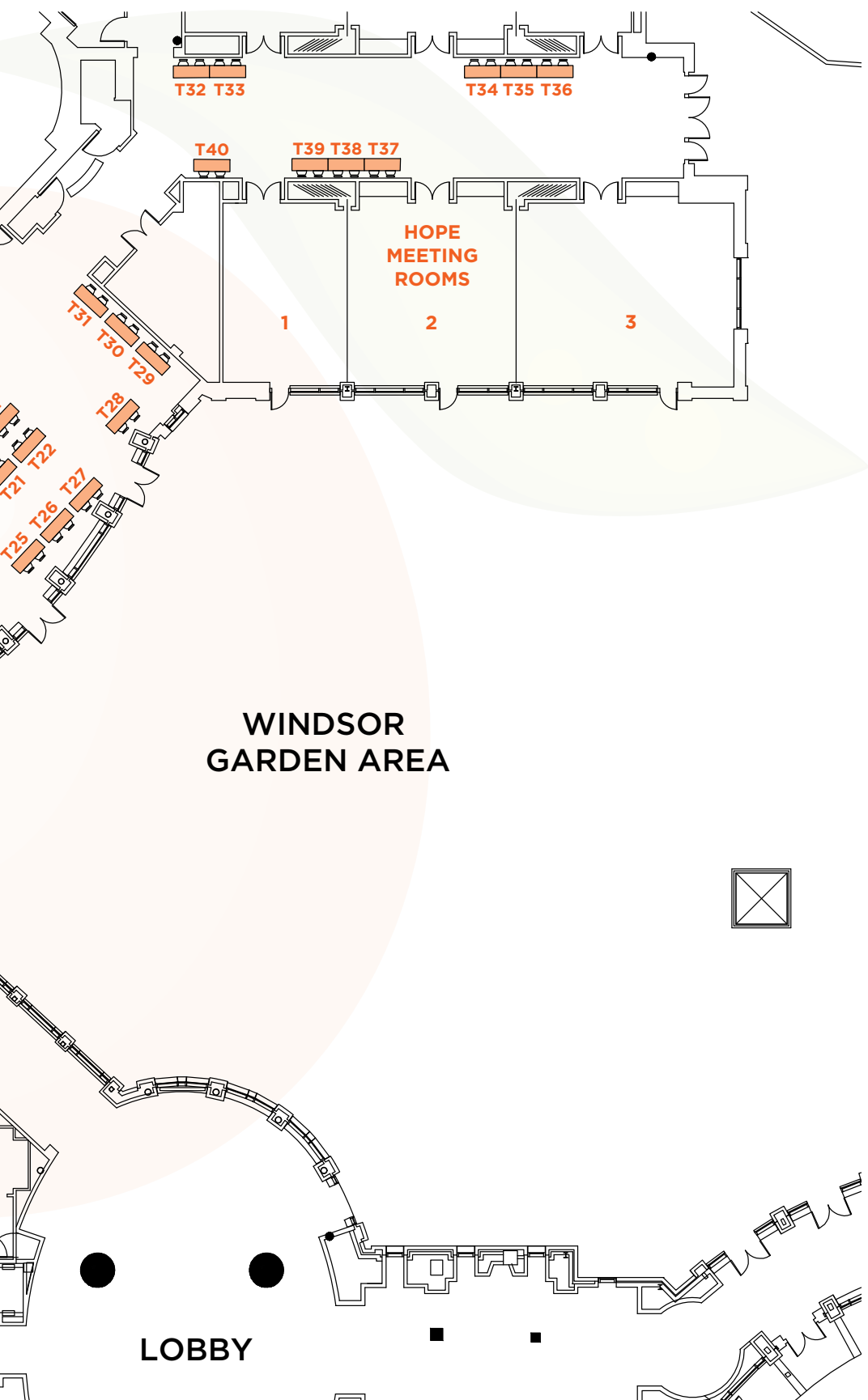
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Lecture Descriptions

CROSS SPECIES

PREVENTIVE CARE FOR YOUR ONLINE REPUTATION

Kimberly May

You're constantly telling clients the value of preventive health care, but do you practice preventive care for your online reputation? In this session, we'll explore best practices for monitoring and maintaining your practice's online reputation, including communications; conflict resolution; addressing compassion fatigue; and administrative policies and practices.

EVERYONE'S A CRITIC: DEALING WITH ONLINE NEGATIVITY WITHOUT LOSING YOUR MIND

Kimberly May

Social media and review sites provide unparalleled opportunities for marketing your practice and building community, but they have a dark side. And not only are they here to stay, but they're growing in use. But with the correct approach, many online critics can become supporters. In this session, we'll talk about the types of criticism practices face, and discuss actionable methods for responding to criticism.

DEALING WITH CYBERBULLYING

Kimberly May

When online negativity and criticism spiral into online attacks and threats, what do you do? In this session, we'll discuss strategies for preventing and mitigating cyberbullying of veterinarians and veterinary practices.

THE NECESSITY OF ETHICAL DISCOURSE IN VETERINARY INTERNET FORUMS

William Folger

This lecture contains detailed information that can be useful for private practice veterinarians in designing skills in social media forums, and assist veterinarians in maintaining professionalism with colleagues in these forums. New problems arising from social media forums are detailed, from internet reviews of veterinarians and veterinary practices from clients as well as current and former employees.

COMBINED EXOTICS

COMPARATIVE ANATOMY: THE COELOMIC CAVITIES FROM SIMPLE TO COMPLEX

Brian Speer, Rob Coke, Angela Lennox

This lecture explores the anatomy of the coelomic cavities, ranging from the simple two cavity system seen in lizards, to the more complex combination of 8 cavities in birds. A critical understanding of these cavities in the relevant species of your focus will facilitate a better eye when clinically assessing patients, and can guide diagnostic options as well as therapeutic decisions immensely.

PRE AND PERI OPERATIVE CONSIDERATIONS FOR ALL SURGICAL PATIENTS

Brian Speer, Rob Coke, Angela Lennox

A large portion of what dictates ultimate surgical procedural success rests in the pre and postoperative aspects of the procedure, as well as the procedure itself. This lecture explores the critical thought processes required to make the decision to go to surgery and the timing with which to do so, patient preparation before and after the procedure(s), intraoperative monitoring and patient support during the procedure itself.

MULTI-MODAL ANESTHESIA-HOW TO APPLY TO ANY EXOTIC PATIENT

Brian Speer, Rob Coke, Angela Lennox

There is common ground that is shared between all species in regards to the use of balanced, multi-modal anesthesia, as well as a number of species or taxon-specific considerations that still must be carefully applied. This lecture will provide a discussion of the principles of the use of multi-modal anesthesia and analgesia in your patients, and will explore where overlap of application principles applies as well as where there is a need for species unique details that may apply.

ALFAXALONE-CHANGING THE EXOTIC ANESTHETIC WORLD

Angela Lennox

Considerable improvement and a wide array of new options characterize anesthesia for exotic pets; a relatively new addition to choices in the US is alfaxalone. While recently introduced in the US, alfaxalone has been used for exotic patients for many years in other parts of the world. Of particular interest are advances in the use of alfaxalone for higher risk traditional dogs and cats, which may translate into additional benefits for exotic patients as well.

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THE CRITICAL ABDOMEN: DECISION MAKING

Brian Speer, Jill Heatley, Angela Lennox

The acute abdomen is a presentation and clinical problem requiring clinical ability to recognize the need for intervention and knowledge of the optimal decisions to make for the patient at-hand. This lecture explores the general thought processes, species-specific considerations and critical decision-making details that are key to success.

ADVANCED RADIOGRAPHY FOR DIAGNOSING SURGICAL CONDITIONS

Brian Speer, Jill Heatley, Angela Lennox

Diagnostic imaging modalities can greatly aid not only the establishment of a more accurate patient assessment, but can help in the critical thought processes required for surgical strategy development. This lecture introduces the merits of good quality imaging, including but not limited to high quality digital radiography, fluoroscopy, ultrasonography, and computerized tomography, as these modalities can be used for diagnosis in a number of non-domestic species.

ENDOSCOPIC APPROACH TO SURGERY IN EXOTIC PATIENTS

Steve Divers

Diagnostic endoscopy has made large strides over the past 20 years and has become an indispensable diagnostic (and increasingly surgical) tool for the exotic animal practitioner. Why is endoscopy so critically important to exotic animal practice? What equipment and at what cost do I need to get started? What are the basic procedures I can expect to perform in reptiles, mammals and birds? How do I charge for my endoscopy services? How do I market my endoscopy services to my clients? Armed with the answers to these questions, the practitioner will be able to take their exotic animal medicine to the next level; and will never look back!

CANINE

YOU KNOW IT'S NEURO, BUT WHY AND WHAT TO DO

Andrew Isaacs

What to make of different body postures and respiratory patterns in the clinical setting. The purpose of this lecture will be to look at different respiratory patterns and body postures secondary to neurological disturbances. We will not only look at the pathophysiology, but how it translates into treatment plans and prognosis.

SEIZURE MANAGEMENT: DIFFERENT ANGLES FOR APPROACHING REFRACTORY CASES

Andrew Isaacs

After a brief review of general seizure management we will focus on different approaches and techniques to refractory seizure management. We will review alternative approaches to potentially get an edge on managing refractory cases in order to provide a better quality of life for your patients.

NEUROLOGICAL DISEASES YOUR CLIENTS WILL BE GOOGLING AND ASKING YOU ABOUT

Andrew Isaacs

A look at neurological diseases your clients will be googling and asking you about. A potpourri of less common idiopathic neurological syndromes and genetic diseases. This lecture will serve as an overview of the diseases, and how to diagnose and treat.

A LOOK AT BOTH SIDES OF THE COIN: SURGICAL VERSUS MEDICAL MANAGEMENT OF NEUROLOGICAL DISEASES

Andrew Isaacs

We will review neurological diseases that can be managed both surgically and medically. The goal is to provide the practitioner with information from both sides of the coin in order to present owners with options when considering how to proceed with treatment.

RUSTY PIPES - CHRONIC KIDNEY DISEASE, I AND II

Joe Bartges

Following this two part presentation, the attendee will be able to describe the IRIS guidelines for staging CKD and outline management of dogs and cats with CKD including the role of nutrition, electrolyte imbalances, acid-base disturbances, proteinuria, and neuroendocrine changes.

URINE A LOSING SITUATION: PROTEINURIA

Joe Bartges

Following this presentation, the attendee will be able to diagnose proteinuria and outline management of dogs and cats with proteinuria including dietary and pharmacologic strategies.

URINE PAIN: URINARY TRACT INFECTIONS

Joe Bartges

Following this presentation, the attendee will be able to describe clinical signs of urinary tract infections in dogs and cats, diagnose urinary tract infections, and treat simple and complicated urinary tract infections including prophylactic measures.

URINE AGONY: UROLITHIASIS, I AND II

Joe Bartges

Following this presentation, the attendee will be able to identify urolith types and manage patients with struvite, urate, and cystine urolithiasis.

URINE A MESS: MICTURITION DISORDERS

Joe Bartges

Following this presentation, attendees will be able to describe the micturition reflex including the neuroanatomical basis and describe diagnosis and management of micturition disorders involving urine retention or urine leakage.

SEPSIS AND SEPTIC SHOCK, I - PATHOPHYSIOLOGY AND IDENTIFICATION

Christopher Byers

Attendees will review at a high-level the pathophysiology of sepsis and septic shock and will learn current methods for identifying this life threatening complex.

SEPSIS AND SEPTIC SHOCK, II - TREATMENT

Christopher Byers

Attendees will review current best practices for treating patients with sepsis and septic shock.

IMMUNE-MEDIATED HEMOLYTIC ANEMIA

Christopher Byers

To provide a high-level, clinically applicable review of the pathophysiology, review, and treatment of IMHA patients.

HEPATIC ENCEPHALOPATHY

Christopher Byers

To review pathophysiology, identification, and treatment of hepatic encephalopathy.

LOCALIZING DYSPNEA IN DOGS

Christopher Byers

Attendees will review clinical case examples to reinforce the concept of anatomical localization for dyspnea in dogs.

MANAGEMENT OF TRAUMATIC BRAIN INJURY

Christopher Byers

To provide a high-level review of the current best practices for the management of patients with traumatic brain injury.

REMEMBER THE BASICS

Christopher Byers

Attendees will review a case example to review currently accepted best practices for the initial management of shock in dogs.

FELINE

CHRONIC VOMITING IN CATS: DIAGNOSIS AND TREATMENT OF 20% OF THE CATS YOU SEE, I

Gary Norsworthy

In the first hour, Dr. Norsworthy will present the magnitude of chronic small bowel disease (CSBD) based on a history of chronic vomiting twice per month or more, chronic diarrhea, and/or weight loss. He will discuss how to identify likely cats based on history, blood parameters, and physical exam findings. He will show that the next step is to confirm thickening of the small bowel wall with ultrasound.

CHRONIC VOMITING IN CATS: DIAGNOSIS AND TREATMENT OF 20% OF THE CATS YOU SEE, II

Gary Norsworthy

In the second hour, Dr. Norsworthy will discuss in detail and with videos the surgical techniques needed to biopsy the small bowel. It begins with a recognition that most cats have segmental disease, and those diseased segments need to be identified beginning with gross and tactile examination of the entire four feet of small bowel. Biopsies are taken in at least three places of the small bowel including each of the three anatomical segments. In addition, the liver and pancreas are biopsied so the full extent of disease can be appreciated.

CHRONIC VOMITING IN CATS: DIAGNOSIS AND TREATMENT OF 20% OF THE CATS YOU SEE, III

Gary Norsworthy

In the third hour, Dr. Norsworthy will discuss justification of the term "inflammatory bowel disease" (IBD) vs. other forms of chronic enteritis. He will describe the treatment steps he uses to identify the known causes of chronic enteritis. Next, he will discuss treatment of IBD. Following that discussion, he will discuss treatment of lymphoma. Finally, he will discuss ways to motivate clients so this approach can be used by the primary care practitioner.

CHRONIC RENAL DISEASE: IT'S TIME FOR CALCITRIOL AND HIGH PROTEIN DIETS, I

Gary Norsworthy

The first lecture in this series will discuss the role of an ACE-i and introduce the indications of calcitriol in treating cats with IRIS stage 2-4 chronic renal disease.

CHRONIC RENAL DISEASE: IT'S TIME FOR CALCITRIOL AND HIGH PROTEIN DIETS, II

Gary Norsworthy

The second lecture in this series will finalize the use of calcitriol. It will discuss why low protein diets should not be used and the advantages of high protein diets for all cats including those with renal disease. It will offer some predictions on what is likely to come from makers of therapeutic diets.

CHRONIC RENAL DISEASE: IT'S TIME FOR CALCITRIOL AND HIGH PROTEIN DIETS, III

Gary Norsworthy

The third lecture in this series will discuss the IRIS stage 4 patient including the use of central venous catheters using an easy placement technique. It will conclude with rechecks on all renal patients including when to recheck and what tests are appropriate. It will show that this approach can have a very positive impact on the quality of life and survival of the patient, on the owner's prolonged enjoyment of the cat, and on the growth of one's practice.

FELINE PEDIATRICS: HOW TO TREAT THE SMALL AND THE SICK

Susan Little

The time from birth to weaning is only a few weeks, but it is a time of critical adjustments and development. Neonatal and pediatric physiology differs from the adult animal in critical ways that influence the physical examination, diagnostics, and treatment approaches. This lecture will concentrate on assessment and management of the feline pediatric patient, with an emphasis on diagnosing and treating common problems such as hypothermia, hypoglycemia, hypoxia, sepsis, and dehydration.

FELV/FIV: UPDATE ON TESTING KITTENS

Susan Little

Feline leukemia virus (FeLV) and feline immunodeficiency virus (FIV) are retroviruses that represent two of the most important infectious diseases of cats worldwide. The American Association of Feline Practitioners recommends the retrovirus status of all cats should be known and has published guidelines for retrovirus testing and management. This presentation will cover the specific guidelines and pitfalls for retrovirus testing in kittens as well as recent updates.

FIP: UPDATE ON DIAGNOSTICS AND TREATMENT OPTIONS

Susan Little

Feline infectious peritonitis (FIP) is a baffling and clinically important disease of cats caused by infection with a virulent biotype of feline coronavirus. Diagnosis can be frustrating, especially for the dry form of the disease. We will discuss how to talk to clients about this disease and address their concerns about other cats in the home. Best diagnostic approaches will be presented as well as information on new treatment strategies currently in development.

NEONATAL RESUSCITATION: WHAT YOU NEED TO KNOW

Susan Little

Dystocia and c-sections can produce significant distress in feline neonates. Prompt recognition of the clinical signs and intervention are required to ensure survival of neonates. This presentation will cover the physiology of the neonate and the transition from the intrauterine life to the outside world, signs of neonatal distress, and effective strategies to prevent and manage clinical problems at birth.

COMMON CONGENITAL DEFECTS IN KITTENS

Susan Little

Congenital defects are abnormalities of structure, function or metabolism that are present at birth. A defect may cause physical impairment or it may cause the death of the kitten, before or after birth. Causes include genetics, environmental toxins, drugs, and developmental errors. This presentation will offer information on how to identify and treat common congenital defects as well as information for counseling pet owners.

RECOGNITION AND ASSESSMENT OF PAIN IN CATS

Susan Little

Pain is a component of many diseases and procedures in the cat and is an important welfare issue, but it has only been commonly discussed in recent years. Studies in Canada and other countries show that cats receive analgesics less often than dogs and analgesia is often withheld for fear of adverse consequences. An important barrier is that recognizing the signs of pain and its impact on quality of life is challenging in cats. This presentation will focus on how to anticipate, recognize, and score acute pain in cats, and how to use newly developed scoring systems as an effective tool in your practice.

FELINE CHRONIC PAIN SYNDROMES - MORE THAN MUSCULOSKELETAL

Margie Scherk

Over the recent decade, there has been increased awareness of pain and attention to the alleviation of pain in cats. Investigation has focused primarily on chronic musculoskeletal pain. The purpose of this presentation is to address not only musculoskeletal but also other types of inflammatory and neuropathic pain in cats.

CARDIORENAL SYNDROME: A DIFFICULT BALANCING ACT

Margie Scherk

Renal and cardiovascular systems interact in a complex interplay. It is necessary to have an understanding of the pathophysiological relationship between the two in order to minimize the negative impact of therapy on one or the other system.

AAFP/ABVP SEMINAR: SKINNY OLD CATS: SARCOPENIA AND CACHEXIA

Margie Scherk

When is weight loss a normal age-related change and when does it call for investigation? If we intervene before a certain point, can we turn weight and muscle decline around?

AAFP/ABVP SEMINAR: NEW TESTS: WHEN TO USE THEM AND WHEN TO LOSE THEM

Margie Scherk

Numerous new diagnostic tests are released for veterinary patients. It is important to understand the diagnostic usefulness of the test. It is also important to know whether the information it provides will improve the care that can be provided, affect the treatment plan and the outcome for an individual patient.

AAFP/ABVP SEMINAR: THE GERIATRIC CAT: COMPLEX MANAGEMENT WITH MULTIPLE DISORDERS, I AND II

Margie Scherk

The older cat is predisposed to many medical problems and often presents with several concurrent disease conditions. We will look at managing two examples: chronic kidney disease, hyperthyroidism, arthritis and hypertension and, time allowing, a cat with diabetes mellitus, IBD, dental disease and chronic kidney disease.

EQUINE

DEFINING AND LOCALIZING LESIONS OF THE NERVOUS SYSTEM

Frank Andrews

Defining problems of the nervous system and differentiating lameness is difficult and frustrating to practitioners. This presentation reviews and defines problems associated with neurologic disease, including dementia, lethargy, seizures, ataxia, weakness, spasticity and hypermetria. A flow sheet will be utilized to assist practitioners in neuroanatomic localization of lesions affecting the nervous system in the standing and recumbent horse. Once neuroanatomic localization is achieved then a list of differentials can be degenerated based on the anatomic region affected. Videos will be used to illustrate the problems.

THE NEUROLOGIC EXAMINATION

Frank Andrews

This session will review the procedures and techniques in performing a neurologic examination in horses. A review of the cranial nerve examination, gait evaluation, and special manipulations that allow the practitioner to recognize and localize subtle lesions within the nervous system will be presented.

DIAGNOSIS OF NEUROLOGIC DISEASE

Frank Andrews

This session will focus on ancillary diagnostic testing and the different modalities to diagnose neurologic disease in horses. The diagnostic testing including EMG, EEG, radiography, ultrasound, MRI, CT, blood work, CSF collection and testing (serology, real-time PCR, Western blot, serum/CSF antibody ratios, etc.).

TREATMENT OF NEUROLOGIC DISEASE

Frank Andrews

This session will focus on general and specific treatment modalities and pharmaceutical agents used in horses diagnosed with neurologic disease. The mechanism of action and indications will be discussed.

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COMMON NEUROLOGIC DISEASES. WHAT'S OLD AND WHAT'S NEW?

Frank Andrews

This session will focus on signalment, history, physical examination, neurologic examination, differential diagnoses, diagnostic techniques, and treatment options used in the most common neurologic diseases seen in horses. We will also briefly discuss some of the lesser common diseases that might be seen in practice and how to further evaluate those causes.

NEUROLOGIC DISEASE CASES, A PROBLEM ORIENTED APPROACH

Frank Andrews

This session will focus on individual horse cases presented to the VTH and how those cases were worked up and managed. A logical problem oriented approach will be utilized to evaluate the cases and follow up will be provided. This session will be interactive and input from the attendees will be solicited.

NEUROLOGIC EXAMINATION CERVICAL SPINE

Barrie Grant

This presentation will present the essential history taking, physical examination to detect neurological deficits and lameness. Presentation will include a PowerPoint presentation with videos illustrating each clinical test.

DIAGNOSTIC NEUROLOGIC TESTING

Barrie Grant

This presentation will discuss the indications and how to procedures for cervical radiographs, nuclear imaging, myelogram and myelogram with CT. Interpretation of each modality will be done with PowerPoint and video illustrations.

SURGICAL TREATMENT OF THE CERVICAL SPINE

Barrie Grant

This presentation will include the historical development for anterior cervical interbody fusion technique, indications, instrumentation and technique along with results and complications.

NEUROLOGICAL CASE PRESENTATION AND TREATMENT, I AND II

Barrie Grant

A number of cases will be presented with their history, clinical presentation, imaging results and response to treatment.

AMPUTATION OF THE EQUINE DISTAL LIMB

Barrie Grant

This presentation will discuss the indications for amputation, the techniques involved in preparing the affected limb, post-operative management, and long-term results.

THORACIC IMAGING OF HORSES

Norm Rantanen

This session will discuss the importance of diagnostic ultrasound examination of the thorax in horses. Prior to 1981 the only imaging modality available was radiology performed using screens and high energy X-ray machines. Not all equine practices had high energy equipment at that time and the quality of images, due to the thickness of horses, was often suboptimal. Ultrasound technology allowed high definition images to be made in the diseased thorax and pathology of the heart as well. The cross sectional anatomy will be discussed and examples of diseased conditions of the thorax, lungs and heart will be presented.

PREPURCHASE IMAGING IN HORSES

Norm Rantanen

This session will discuss the important topic of using various imaging modalities to evaluate horses in an attempt to predict their ability to perform successfully in athletic endeavors. The importance of a favorable physical examination or report of a successful physical examination is imperative. Veterinarians performing the physical exam as well as evaluating the images is the most common situation. An imaging consultant may be asked for a second opinion to review the images if questionable findings are made. Specific imaging findings and their significance will be discussed.

IMAGING PROTOCOLS IN LAMENESS EVALUATION OF HORSES

Norm Rantanen

This session is important because lameness in horses can be a complex problem. Clinical signs are significant in determining the source of lameness in all horses, however, some clinical signs are vague and the diagnosis is difficult. In particular, horses with systemic problems may have lameness that is on and not specifically associated with a particular injury. Lameness, for instance, caused by painful conditions that force asymmetrical weight bearing in one or more limbs can have variable signs. It is necessary to develop protocols that use imaging modalities most efficiently based on the clinical signs to be cost effective. Certain patterns of behavior can be important clues to the source of the problem which may be as simple as a forelimb lameness precipitated by cervical facet pain.

IMPORTANCE OF SCINTIGRAPHY IN LAMENESS DIAGNOSIS IN HORSES

Norm Rantanen

As horses age and perform the tasks that we ask them to do they can develop multiple sites of "wear and tear" and injury. All uses of horses creates stress on the musculoskeletal system. Some sports are more likely to cause problems than others. Nuclear scintigraphy is the most important modality for diagnosing injury to the musculoskeletal structures. It offers the most complete survey of the musculoskeletal system. It is noninvasive, but does require expensive equipment. Patterns of injury and strain on the musculoskeletal system will be discussed in horses performing different sports including showing and racing. Certain behavioral patterns will also be discussed in horses with pain sources that are difficult to detect by physical exam alone.

MAGNETIC RESONANCE IMAGING

Norm Rantanen

Magnetic Resonance Imaging (MRI) has become an important modality in veterinary medicine. The development of the standing machine has allowed large numbers of horses to be examined for lameness of the distal limbs, the most common site of injury. It is very effective in defining most lower limb injuries. Does every horse need MRI? It seems that it is like other modalities. It is very effective if used in conjunction with other modalities, proving once again that multiple modalities are still necessary. Injuries of the upper extremities, cervical vertebrae and skull are performed under anesthesia with high field strength MRI systems.

REGENERATIVE LASER THERAPY (RLT)

Norm Rantanen

Regenerative Laser Therapy has added a new powerful instrument to treat tendon and ligament injuries in horses. This high intensity laser can penetrate and reach tissues 5 cm deep without injury to the skin. It was introduced to the U.S. in February 2012. We are now capable of treating acute injury and regenerating tendon and ligament fibers. It is also effective in reducing scar tissue in and around the ligaments and tendons and preventing scar tissue from forming in treated acute injuries. This laser has a thermal and chemical effect as most lasers have, but is unique in having a mechanical effect on the deeper tissues due to its power output and pulsed beam. It has become widely used in the United States and has been introduced to Europe, Canada and Dubai.

FOOD ANIMAL

LAUNCHING HEALTH AND PRODUCTIVITY IN YOUNG CALVES

Brian Aldridge

Young calves, lambs and pigs are the future of their respective operations, and so designing a system that optimizes the likelihood of a healthy start over the first months of life is the foundation of well-being and a productive lifetime for these animals. In this session, we will explore the growing body of scientific evidence that explains and confirms the notion that investing in early life care and management has dramatic implications for patterns of health, disease and productivity in the future.

PREDICTING HEALTH AND PRODUCTIVITY IN YOUNG CALVES

Brian Aldridge

Studies have shown that a relatively small increase in average daily weight gain of dairy calves before weaning is related a 1500 lb increase in first lactation milk yield. So, what constitutes health and productivity in a particular population of young animals? What are the key health and performance indicators of growing animals, that can be used as reliable predictors of future productivity and profitability? In this session, we will compare, and contrast, established and new markers of calf wellness, and explore how these might be used to inform decision making at the farm level.

FORTIFYING IMMUNOLOGICAL HEALTH AND DEVELOPMENT IN YOUNG CALVES

Brian Aldridge

Infectious disease is the commonest cause of morbidity and mortality in young calves. In consideration of this fact, it is tempting to reach for the nearest antimicrobial when confronted with a calf health problem, but does our knowledge of infectious disease management support this as the best approach? In this session, we will explore the relative benefits of antimicrobial therapy versus immunological enhancement, and discuss rational and practical approaches for evaluating and combating management practices that impair immunological health.

SUPPORTING CARDIOVASCULAR HEALTH IN YOUNG CALVES

Brian Aldridge

Circulatory support is an essential component of basic medical care. Can you imagine a human hospital or small animal clinic offering supportive care without the routine provision of appropriate fluid therapy? And yet, as farm animal practitioners, our understanding and application of fluid therapy to our patients is often lacking. We often adopt a 'one fluid fits all' approach, and rely on the adage that 'the dumbest kidney is smarter than the smartest clinician' as we administer nominal cardiovascular support to our cases. It is an indisputable fact that an inquiry-based approach to fluid therapy can dramatically improve case outcomes, and enhance animal well-being. In this session, we will explore how the practical medical care of young animals can be improved by designing, and providing, rational, individualized cardiovascular support, particularly in situations with disturbances in host homeostasis.

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CULTIVATING GASTROINTESTINAL HEALTH AND DEVELOPMENT IN YOUNG CALVES

Brian Aldridge

We often adopt a pathogen-centric view to our investigation and management of gastroenteric health problems in young animals. We forget that 'diarrhea' is not a disease, but is an indicator of gastrointestinal health. In this session, we will demonstrate how a user-friendly knowledge of gastrointestinal form and function can be used in the diagnosis and management of gastrointestinal health problems in growing animals. We will also explore the practical implications of the new host-centric, triad model of gastrointestinal health, including the role of host-microbiome interactions.

OPTIMIZING RESPIRATORY HEALTH AND DEVELOPMENT IN YOUNG CALVES

Brian Aldridge

While our clients often view respiratory disease in terms of exposure to a specific pathogen, we understand that respiratory health involves a dynamic set of risk factors that impact host susceptibility. It is interesting to consider that the prevalence of recognized pathogens is very similar between healthy and diseased animals. In this session, we will explore current concepts in respiratory mucosal health, including the role of host-microbiome interactions. We will use this information as a springboard for discussing management interventions that can enhance respiratory health in young farm animals.

FAILURE OF ADAPTIVE AND TRANSITIONAL HEALTH IN YOUNG CALVES – CASE EXAMPLES

Brian Aldridge

In many instances a diseased young animal can serve as a sentinel, or indicator, of failures in health and wellness at a population-level. In this session, we will use case examples to illustrate how an inquiry base approach to clinical decision making can help generate enhanced case definitions, which can be used to confidently communicate case diagnosis and prognosis, and provide a reliable data base for constructing therapeutic and preventative interventions.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, PCV2

We will discuss the role of Porcine Circovirus Type 2 (PCV2), the causative agent of Porcine Circovirus Disease (PCVD), which included Porcine Multi-systemic Wasting Syndrome, in reproductive losses in breeding herds.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, PRRS 1

We will discuss management approaches to limit intra-herd transmission of PRRSv in breeding herds.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, PRRS 2

A Systematic Management Strategy for Breeding Herds Based on PRRS Herd Status.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, HEALTH MONITORING

We will explore the use of systems based approaches to health monitoring in livestock production systems.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, DATA MANAGEMENT

We will explore how data aggregation tools allow for the development of deeper insights into herd health management.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, EVIDENCE BASED APPROACHES

We will explore techniques to employ evidence based health management programs using swine grow-finish populations as a model.

THE INTERACTIONS BETWEEN MANAGEMENT STRATEGIES AND INFECTIOUS DISEASE OCCURRENCE AND OUTCOMES IN FOOD ANIMAL PRODUCTION SYSTEMS, VERTICAL DISEASE TRANSMISSION

We will explore the role of vertical disease transmission in respiratory health of growing animals using *Mycoplasma hyopneumoniae* as a model.

WHAT DIAGNOSTIC TESTS TO USE AND HOW TO INTERPRET RESULTS FOR BRD

Je rey Sarchet

Review of how antibiotic breakpoints are established and interpreted; Review of published articles of sample methodologies for BRD diagnosis such as nasal swab, deep nasopharyngeal swab, transtracheal wash, bronchiolar lavage, and lung culture; Discussion on the application of diagnostic test results to the proper population; Summarize author's collaborative research on association of diagnostic testing with BRD clinical outcomes.

INTERPRETING AND APPLYING EVIDENCED BASED MEDICINE FROM META-ANALYSIS STUDIES FOR BRD

Je rey Sarchet

Review published meta-analysis from ISU on BRD treatment and a published meta-analysis from KSU on BRD metaphylaxis and give insight on interpretation so practitioners can use evidenced based medicine to make informed choices for metaphylaxis and treatment of BRD and give examples of economics that can be applied to the information to benefit producers.

RATIONAL THERAPEUTICS OR HOW TO DEVELOP AND EVALUATE BRD PROTOCOLS

Je rey Sarchet

Bovine respiratory disease is the most prevalent and economically important disease of beef cattle and therefore necessitates a good knowledge of how to choose the best antibiotic as well as how to evaluate the efficacy of antibiotic therapies. We will discuss principles of antibiotic therapy related to host, pathogen, antibiotic, management, and environmental factors as well as ways to assess the efficacy of treatment protocols.

WHAT THEY DON'T WANT YOU TO KNOW ABOUT THEIR STUDY

Je rey Sarchet

Published articles are the backbone of staying current with information in veterinary medicine however interpretation of the information is as important or more critical as knowledge of the information. We will discuss basic statistical terms and concepts and look at several examples of published articles to critically evaluate the validity or meaningfulness of the information presented.

SHELTER MEDICINE

ECTOPARASITES: DEMODEX, SCABIES, FLEAS, AND TICKS

Karen Snowden

A variety of ectoparasites frequently infest companion animals that enter shelters. Diagnostic tips and cost-effective treatment strategies for common ectoparasites such as fleas, ticks, demodectic mange mites, sarcoptic mange mites and ear mites will be discussed. Ectoparasite management goals include 1) improved animal health, 2) decreased risk of pathogen transmission by arthropods, 3) minimizing the risk of ectoparasite transmission within the animal shelter setting, and 4) minimizing the potential zoonotic risk of ectoparasite exposure to shelter staff and clients.

HEARTWORM DISEASE AND MANAGEMENT IN THE SHELTER

Karen Snowden

Dirofilaria immitis infections in shelter dogs pose dilemmas regarding animal health, diagnostic test choices, treatment protocols, and animal adoptability. The Association of Shelter Veterinarians and the American Heartworm Association have joined forces to conduct a shelter survey about heartworms, and their data will be reviewed. Prevalence data and recommendations for diagnosing, treating and preventing heartworm infections in an animal shelter setting will be discussed.

GI PROTOZOA: GIARDIA, COCCIDIA, AND MORE

Karen Snowden

Diarrheal disease is a common problem in animal shelter settings. A variety of viral, bacterial and protozoal pathogens as well as stress and dietary changes create diagnostic and case management dilemmas. The diagnostic test choices and treatment regimens for common enteric protozoan parasites will be reviewed. Strategies to minimize parasite transmission risks among animals in a shelter setting will be discussed, and zoonotic risks associated with common intestinal protozoa in dogs or cats will be noted.

VECTOR-BORNE DISEASES: LYME, EHRLICHIA, ANAPLASMA, AND MORE

Karen Snowden

Vector-borne diseases such as Ehrlichia spp., Anaplasma spp., Borrelia spp. and Trypanosoma cruzi are less prevalent in dogs and cats than external or internal parasites in shelter animal populations, but they can pose diagnostic and case management challenges. The clinical presentations, diagnostic testing choices and treatment options for several important vector-borne diseases will be discussed. Vector control to minimize transmission of these pathogens in a shelter setting will be reviewed.

GI HELMINTHS IN THE SHELTER

Karen Snowden

Data reported in several large U.S. epidemiologic surveys indicate that intestinal helminth parasites are more prevalent in populations of shelter dogs and cats than in other pet populations that have been evaluated. The prophylactic treatment, targeted treatment and diagnostic test choices for common intestinal helminth parasites of dogs and cats will be reviewed. Strategies to minimize parasite transmission risks among animals in a shelter setting will be discussed, and zoonotic risks associated with common intestinal helminths of dogs or cats will be noted.

PARASITIC EPIDEMIOLOGY IN SHELTERS VS. PRIVATE PRACTICE

Karen Snowden

Data from national parasite prevalence studies of companion animal populations from animal shelters, commercial diagnostic laboratories and corporate veterinary practices vary widely. Information from multiple studies will be compared, and regional variations will be highlighted. Understanding this data can impact parasite prevention strategies and influence the choice of diagnostic techniques used in a shelter setting. Better parasite management goals include 1) improved animal health, 2) better use of financial resources for shelter animal care, 3) minimizing parasite transmission among shelter animals, and 4) minimizing the potential risk of zoonotic parasite transmission to shelter staff and clients.

CLINICAL ABSTRACTS

Dog Importation Into New Hampshire:

A Parasitic Disease Risk Assessment of Dog Rescue Activity

Sarah Proctor

Prevalence of Patent and Occult Canine Heartworm Infections in Animal Shelters In Mississippi and Implications for Testing

Uri Donnett

Tip of the Iceberg: A Geospatial Approach to "the Link" and its Local Implications

Mallory Stuckwisch

ACUTE RESPIRATORY DISTRESS IN THE DOG

Elizabeth Thomovsky

The goal of this presentation is to present a systematic way to approach respiratory distress in dogs for first line responders in emergency situations. Basic rapid differentiation of the different reasons for respiratory distress are presented along with emergency treatment and stabilization techniques. Attendees are presented with illustrative case examples throughout the presentation.

ACUTE RESPIRATORY DISTRESS IN THE CAT

Elizabeth Thomovsky

The goal of this presentation is to present a systematic way to approach respiratory distress in cats for first line responders in emergency situations. Basic rapid differentiation of the different reasons for respiratory distress are presented along with emergency treatment and stabilization techniques. Illustrative case examples are used throughout the presentation to help attendees apply the information.

LATEST UPDATES ON CPR FOR SHELTERS AND SPAY-NEUTER CLINICS

Elizabeth Thomovsky

This talk presents a brief summary of the latest veterinary CPR updates. Refresh yourself on the current recommendations for treatment and monitoring of patients who arrest as well as the best ways to prepare yourself and your hospital to effectively run a code in dogs and cats.

DYSTOCIA AND NEONATAL RESUSCITATION

Elizabeth Thomovsky

The first goal of this presentation is to briefly review the causes of dystocia and how to recognize and identify a dystocia. It then presents the basic needs to perform successful resuscitation of neonates and things to try during resuscitation to improve outcomes.

THE 5 MOST COMMON TOXICITIES IN DOGS AND CATS

Elizabeth Thomovsky

Come in to refresh and review the mechanisms and treatment of the most common toxicities seen in small animal practice including an update of the most recent literature on induction of emesis. Case examples are provided to illustrate common presentations for the toxicities.

CLINICAL ABSTRACTS

Suture-Less Scrotal Castrations Provide a Rapid and Safe Method for Pediatric and Juvenile Canine Castrations

Kurt Miller

Transection as a Safe and Faster Means to Release the
Suspensory Ligament During Canine Ovariohysterectomy
Jacob Shivley

Accuracy of a Point-of-Care Luteinizing Hormone Test as an Aid in Distinguishing
Between Intact and Ovariectomized or Castrated Domestic Cats
Matthew Krecic

Perioperative Mortality in Cats and Dogs Undergoing Spay or Castration at a High-Volume Clinic
Julie Levy

The Effects of an Eighteen Year Trap Neuter Return Program on Feral Cat Population in
Key Largo, FL: The Orcat Program
Rachel Kreisler

Training Tomorrow's Humane Veterinarians: Service Learning Through Community Cat Clinics
Julie Levy

COMMON INFECTIOUS AND PARASITIC DISEASES OF AVIAN SPECIES IN THE SHELTER SETTING

Tarah Hadley

Avian species present unique challenges to shelter environments, which have been traditionally geared towards care of mammalian species. The treatment and management of the most common infectious and parasitic diseases of avian species will be presented in the context of typical scenarios, from the sheltering of singlet birds to the care of dozens of birds acquired through hoarding situations.

COMMON INFECTIOUS AND PARASITIC DISEASES OF THE EXOTIC COMPANION MAMMAL IN THE SHELTER SETTING

Tarah Hadley

Exotic companion mammals include many species poorly suited to life in a shelter environment due to their status as prey animals. With this in mind, an understanding of the treatment and management of the most common parasitic and infectious organisms that infect these species is essential to providing a successful outcome while sheltered and will hopefully result in successful adoption.

INTERACTIVE PRACTITIONER WORKSHOP: CASE PRESENTATIONS AND CREATIVE SOLUTIONS

Elizabeth Berliner and Staci Cannon

In this case based presentation, attendees will be challenged with real world 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 focus on core principles of shelter medicine practice, including the maintenance of animal welfare in population settings.

AVIAN

SURGICAL APPROACHES TO THE COELOMIC CAVITIES OF BIRDS AND PRINCIPLES OF MICROSURGERY

Brian Speer

With a good, foundational understanding of their anatomy, strategies for specific surgical approaches can be formulated to help make the right calls at the right time. This lecture employs detailed coelomic anatomy with pathologic anatomy and processes to articulate the surgical approaches to the intestinal peritoneal cavity, hepatic peritoneal cavities, pericardial cavities, pulmonary and subpulmonary cavities. The use of magnification and microsurgical instrumentation is discussed and emphasized in order to enhance the surgeon's success in many procedures.

SURGERY OF THE REPRODUCTIVE TRACT: PROCEDURES THAT MOST PRACTITIONERS CAN DO

Brian Speer

This lecture will explore some of the more common reproductive tract surgical procedures done in practice. The salpingotomy, salpingohysterectomy, and obstetrical assistance procedures are emphasized, as well as surgical amputation of the phallus in male birds. None of these procedures are simple outright, primarily because they are called for when there typically is significant pathology present, and are rarely done for prophylactic reasons. The decision-making tree as to if, and when, these procedures may be indicated is discussed and emphasized.

SURGERY OF THE REPRODUCTIVE TRACT: THE MORE CHALLENGING PROCEDURES

Brian Speer

Reproductive tract surgery often can be quite complicated, in part because of the amount of pathology present. This lecture explores some of the more complicated procedures of the reproductive tract, including ovariectomy, orchidectomy, vasectomy, and complicated salpingohysterectomies.

SURGERY OF THE CLOACA AND VENT: NEW INSIGHTS TO OLD PROBLEMS AND PROCEDURES

Brian Speer

This lecture will discuss cloacal anatomy, form and function, and will present surgical procedures that apply in disease settings. Treatment options for cloacal prolapse and patient management considerations, cloacotomy, cloacapexy, and ventplasty procedures will be discussed in detail.

GASTROINTESTINAL SURGERY, I (FROM CROP TO PROVENTRICULUS, INCLUDING FBS, STOMACH FLUSHES, ASPIRATION, ETC)

Angela Lennox

Gastrointestinal surgery is described sporadically in birds, and other than biopsy of selected portions and removal of foreign bodies, indications are uncommon. Access to the crop is straight-forward; however, access to the ventriculus is considerably more challenging. Both endoscopic (via ingluviotomy and/or celom) and traditional approaches are described.

AVIAN GASTROINTESTINAL SURGERY, II (FROM VENTRICULUS TO COLON)

Tarah Hadley

Surgery of the caudal half of the avian gastrointestinal tract presents many challenges. The presentation will discuss a current review of surgical strategies and techniques used to address a variety of conditions in the avian patient from the removal of foreign objects to the management of neoplastic conditions.

DIAGNOSTIC COELIOSCOPY AND ENDOSURGERY OF BIRDS

Steve Divers

When faced with the sick bird, clinicians are often plagued by a lack of pathognomonic signs, less than definitive imaging, and variable clinicopathologic data. In many cases, a definitive diagnosis requires tissue biopsy and endoscopy represents a minimally-invasive and successful method to obtain such samples, easily and consistently. Following a brief equipment review, step-by-step pictorial and video presentations of common coelioscopic procedures in birds are presented, including exploratory coelioscopy, biopsy, and basic endosurgery. Take your avian practice to the next level!

BEAK ANATOMY, FORM AND FUNCTION IN BIRDS

Brian Speer

The kinetic anatomy of the beak and skull of birds is complex. This lecture reviews key aspects of the skeletal anatomy of the beak, and proper anatomic terminology of those structures. The muscles that move the jaws, their associated innervation, and the macro and micro integumentary anatomy of the beak are itemized.

SURGERY OF THE BEAK AND SKULL

Brian Speer

This lecture presents a variety of surgical procedures that can be applied to the beak and skull of birds. Anatomy, form and function are briefly reviewed, emphasizing the complex interactive kinetic anatomy of the skull and the muscles of prokinesis. Rhampothecal overgrowth is a common problem that is encountered in birds, and corrective maneuvers for rhampothecal shaping are presented in a manner that can be patient-specifically tailored, for optimal results. Infraorbital sinusotomy, surgical approaches to the jugal and pterygoid bones, sinus trephination, ramp orthotics and trans-frontal tension band procedures are all discussed.

SURGERY OF THE UPPER RESPIRATORY TRACT

Brian Speer

The upper respiratory system of birds generally includes the nares, conchae, sinuses, cervicocephalic airsacs, trachea and syrinx. These anatomic structures are vulnerable to a number of medical conditions which may require surgical treatment as a part of overall patient management and treatment procedures. This lecture and manuscript explores the anatomy, form and function, and surgical treatments applicable to the upper respiratory system of birds.

SURGERY OF THE SKIN: TRAUMA TO NEOPLASIA

Cheryl Greenacre

This presentation will focus on how the unique aspects of avian anatomy, physiology and behavior apply to integumentary surgery. Cases examples that range from simple wound closures to more complex reconstructive techniques will be used to illustrate a variety of surgical approaches. A discussion of pre-operative considerations and post-operative care will also be included.

EXOTIC COMPANION MAMMAL

APPROACHES TO THE ABDOMEN IN ECM - MORE THAN ONE METHOD

Angela Lennox

Approaches and indications for surgery to the abdomen in exotic companion mammals are similar to those in other traditional mammalian species, and include ventral midline, flank and minimally invasive endoscopic approaches. Considerable adaption must be made for differences in anatomy and patient size. The most common indication is for elective surgery of the female reproductive tract, but many other procedures have been described as well.

REPRODUCTIVE SURGERIES AND ALTERNATIVES IN MALE MAMMALS

Cheryl Greenacre

This presentation will primarily focus on the common surgical approaches to the male reproductive tract in selected species of exotic companion mammals. Indications for surgery, important anatomic variations, and peri-operative considerations will be addressed. A limited discussion of non-surgical alternatives for reproductive suppression will also be included.

LAPAROSCOPY OF SMALL MAMMALS

Steve Divers

Minimally-invasive laparoscopic techniques have become entrenched within both human and small animal medicine. The same advantages of reduced surgical manipulation, faster recovery and return to normal behaviors, and reduced post-operative pain await our small mammals following adoption of these endoscopic techniques. Brief description of endoscopy equipment (required in addition to the standard 2.7 mm systems commonly in use in exotic practices) and the principles of endosurgery will be followed by step-by-step pictorial and video presentations of common procedures including exploratory laparoscopy, biopsy, and endoscope-assisted and endoscopic procedures including laparoscopic sterilization.

REPRODUCTIVE SURGERIES AND ALTERNATIVES IN FEMALE MAMMALS

Cheryl Greenacre

This presentation will primarily focus on the common surgical approaches to the female reproductive tract in selected species of exotic companion mammals. Indications for surgery, important anatomic variations, and peri-operative considerations will be addressed. A limited discussion of non-surgical alternatives for reproductive suppression will also be included.

SURGERY OF THE MAMMALIAN GASTROINTESTINAL TRACT

Tarah Hadley

Common surgical approaches to the gastrointestinal tract of the exotic companion mammal will be discussed. The presentation will address common clinical presentations, differential diagnoses, and a current review of surgical techniques and strategies used in practice.

SURGERY OF THE URINARY TRACT FROM KIDNEY TO URETHRA

Cheryl Greenacre

This presentation will focus on the most common indications for urinary tract surgery in exotic companion mammal species. Clinical presentations, important anatomic variations, surgical techniques, and peri-operative considerations will be addressed.

MANAGING POST ABDOMINAL SURGICAL COMPLICATIONS

Cheryl Greenacre

This presentation will be a discussion of peri-operative and post-operative interventions that are intended to mitigate and manage post-operative complications in exotic companion mammal species. Recommendations for the treatment of potential complications, including dehiscence of the incision, sepsis, gastrointestinal status, hypoglycemia, etc., will be presented.

ODONTOGENIC ABSCESES, I AND II

Angela Lennox

Odontogenic abscesses represent one of the most severe consequences of acquired dental disease in rabbits and rodents. While many sources describe methods of treatment, there is no information on ideal management, in part due to lack of clinical staging of the disease, which can range from mild to catastrophic. Disease presentation depends on the location and severity of the inciting cause; determination may require advanced diagnostic tests such as computed tomography.

SURGERY OF THE RESPIRATORY TRACT, I

Steve Divers

Respiratory disease is common and yet frequently mismanaged due to inaccurate diagnosis. This presentation focuses on the respiratory tract of rabbits and includes diagnostic and surgical endoscopy of the rhinarium, larynx, trachea and primary bronchi.

SURGERY OF THE RESPIRATORY TRACT, II

Angela Lennox

Severe upper respiratory disease often does not completely respond to medical therapy. This lecture covers the traditional approach to the upper respiratory tract of the rabbit, in particular rhinotomy and rhinostomy.

REPTILE AND AMPHIBIAN

SURGICAL APPROACH TO THE COELOM OF CHELONIANS

Steve Divers

There are numerous indications for performing coeliotomy (laparotomy) in turtles and tortoises, including routine sterilization, exploration, biopsy, and surgical resolution of a number of disease conditions (e.g. cystic calculus removal, egg removal, GI foreign body, etc). Following a brief description of preferred instrumentation and equipment options, step-by-step pictorial and video descriptions of the most common coeliotomy procedures are presented.

SURGICAL APPROACH TO THE COELOM OF SQUAMATES

Steve Divers

There are numerous indications for performing coeliotomy (laparotomy) in lizards and snakes, including routine sterilization, exploration, biopsy, and surgical resolution of a number of disease conditions (e.g. cystic calculus removal, egg removal, GI foreign body, etc). Following a brief description of preferred instrumentation and equipment options, step-by-step pictorial and video descriptions of the most common coeliotomy procedures are presented.

REPTILE SURGICAL GUIDELINES

Jill Heatley

Reptiles and amphibians present unique challenges for surgery. General guidelines and recent study findings for suture choice, incision options and presurgical preparation and perioperative support will be reviewed. Reptile surgical positioning, preparation, choice of instruments and guidelines for incisions and closure techniques will be reviewed.

REPRODUCTIVE SURGERIES FROM CELOM TO HEMIPENES

Jill Heatley

Indications for reproductive tract surgery are provided. Reproductive surgeries are a common need of reptiles and are commonly performed on amphibians in the research setting. Surgical approaches and techniques will be reviewed.

DIAGNOSTIC COELIOSCOPY AND ENDOSURGERY OF REPTILES

Steve Divers

When faced with the sick reptile, clinicians are often plagued by vague clinical signs, indistinct imaging and variable clinicopathologic data. In most cases, a definitive diagnosis requires tissue biopsy and endoscopy represents a minimally-invasive and successful method to obtain such samples, easily and consistently. Following a brief equipment review, step-by-step pictorial and video presentations of common coelioscopic procedures in lizards, snakes and chelonians are presented, including exploratory coelioscopy, visceral biopsy, and basic endosurgery. Take your reptile practice to the next level!

GASTROINTESTINAL SURGERY IN REPTILES AND AMPHIBIANS

Rob Coke

This lecture will cover the most common clinical conditions of the gastrointestinal tract of reptiles and amphibians that may require surgical intervention. There will be a discussion about pre- and post-surgical management and complications. Topics covered include foreign bodies, substrate impaction, prolapses, etc.

SURGICAL MANAGEMENT OF DISEASES OF THE ORAL CAVITY

Rob Coke

This lecture will cover the most common clinical conditions of the oral cavity of reptiles and amphibians that may require surgical intervention. There will be discussions of dental disease and fracture management.

SURGERY OF THE URINARY TRACT

Jill Heatley

Surgery of the urinary tract is a common request in reptiles suffering bladder stones. Indications, approaches, and techniques for surgery of the urinary tract of reptiles and amphibians will be reviewed.

SURGERY OF THE SKIN-TRAUMA TO NEOPLASIA

Jill Heatley

Common indications for surgeries of the skin include laceration repair and mass removal. Appropriate techniques for use in biopsy, surgical wound closure, and laceration repair will be reviewed as well as the known healing process for reptilian and amphibian skin healing.

SURGICAL REPAIR OF THE CHELONIAN CARAPACE/PLASTRON

Jill Heatley

Chelonian shell repair basics, advances and options will be overviewed. Pros and cons of each technique and different considerations for repair based on species will be discussed. Recent and older literature review of shell anatomy and repair types will be detailed.

FRACTURE REPAIR IN REPTILES WITH LEGS

Jill Heatley

Fracture repair in reptiles and amphibians presents some unique challenges based on anatomy and physiology of these species. Minimal studies are available to scientifically classify bone healing. Assessment and classification of fractures in these species as well as techniques and outcome of fracture repair will be reviewed.

AVTCP

CANINE AND FELINE

WHAT A HEADACHE! NURSING HEAD TRAUMA PATIENTS

Brandy Helewa

A discussion on providing exceptional and appropriate nursing care to those patients who have suffered total brain injury, whether primary from trauma, or secondary from some other insult. Oxygen therapy, medications, physical therapy and intense critical care monitoring will be addressed.

ICY-HOT: HYPO AND HYPERTHERMIA

Brandy Helewa

A discussion on the differences and similarities between hypothermia and hyperthermia including their pathophysiology and detrimental effects. A discussion of the causes of each as well as the appropriate treatment for each will occur as well.

COMMON NEUROLOGICAL EMERGENCIES

Brandy Helewa

A discussion on the most common neurological emergencies seen in practice, including seizures, head trauma, vestibular disease and intervertebral disk disease. Triage, emergency treatments and other therapeutics will be addressed as well as the pathophysiology of each.

DECONTAMINATION FOR ANTIDOTES AND TOXICITIES

Brandy Helewa

A discussion on the different decontamination methods for toxicity patients including emesis, gastric lavage and the use of cathartics as well as the benefits and contraindications to each method. Also will discuss available antidotes for specific toxins, including naloxone, antivenom and intravenous lipid emulsion therapy.

TRANSFUSION THERAPY PART I: DETERMINING THE NEED

Brandy Helewa

A discussion of coagulopathies that necessitate transfusions, coagulation testing, cross matching, blood types and typing as well as other transfusion related lab work. Includes other common conditions requiring transfusion and appropriate documentation of test results.

TRANSFUSION THERAPY PART II: PROVIDING THE GOODS

Brandy Helewa

A discussion of the administration of components and when they are appropriate, documentation of the transfusion and potential side effects and treatment. Also includes information on in house donor blood retrieval, documentation and critical nursing care of transfusion recipients.

THE ABCS OF IMHA

Brandy Helewa

A discussion on the pathophysiology of Immune Mediated Hemolytic Anemia including common breeds and presentations. Basic discussion of immunology is included along with common treatments, prognosis of patients, complications of treatments, critical nursing care of the patient and controversial treatment modalities.

EXOTICS

AVIAN EMERGENCY AND CRITICAL CARE

Kristina Palmer

As veterinary medicine becomes more specialized, veterinary technicians with specific fields of expertise, such as avian medicine, are increasingly in demand. In this lecture participants will learn how to assess the critically ill avian patient including: initial triage and stabilization, venous access, intraosseous catheter and air sac cannula placement.

AVIAN HOSPITALIZATION: A DIFFERENT KIND OF BIRD HOUSE

Kristina Palmer

Hospitalizing an avian patient is so much more than just putting the bird in a cage with food, water and a perch. Birds in the hospital may need oxygen therapy, nebulization and various medications and most will need some form of enrichment such as human interaction, toys, foraging or other forms of entertainment.

AVIAN ANESTHESIA

Kristina Palmer

This lecture is a comprehensive overview of avian anesthesia from induction to recovery. Drugs used for analgesia, premedication, induction, maintenance, peri and post-operative will be discussed. There are many anatomical and physiological differences between birds and small mammals and these differences will play a role in how you provide anesthetic support for your patient.

MANAGING GI STASIS IN RABBITS

Kristina Palmer

This lecture is a comprehensive look at the gastrointestinal tract of the companion rabbit and the common ailments that can cause GI stasis. Rabbits present to the veterinarian routinely in GI stasis and it is a very serious condition that will need immediate supportive care.

COMMON PRESENTATIONS OF THE GREEN IGUANA

Kristina Palmer

Green iguanas are very popular and unique pets and have specific husbandry requirements and when these are not met, these patients present to the veterinarian in need of help. Most of these patients will need substantial changes to the home diet and environment and client education is invaluable. In addition to handling and supportive care, this lecture will cover some of the more common presentations to the veterinarian.

CLINICAL NUTRITION FOR EXOTIC PETS

Kristina Palmer

This lecture covers the basic nutritional requirements for the companion exotic pets seen in a veterinary practice such as birds, reptiles and exotic small mammals. We will discuss what and how to feed patients while in the hospital, how to assist and gavage feed, and use and care of pharyngostomy tubes.

THE "TOOTH" ABOUT DENTAL DISEASE IN RABBITS AND RODENTS

Kristina Palmer

Dental disease in rabbits and rodents is not always diagnosed and treated appropriately and clients may have difficulty understanding what is happening to their pet. In this lecture we will take a comprehensive look at the normal oral anatomy of rabbits and rodents and learn why this disease occurs. We will discuss how to medically manage these patients before and after dental procedures.

Thank You to Our Sponsor



Speakers

Brian Aldridge, BVSc, MS, PhD, DACVIM, MRCVS
Frank Andrews, DVM, MS, DACVIM (LAIM)
Joe Bartges, DVM, PhD, DACVIM, DACVN
Elizabeth Berliner, DVM, DABVP (Shelter Medicine Practice),
DABVP (Canine and Feline Practice)
Kimberlee Buck, DVM, DABVP (Avian Practice), DABVP (Canine and Feline Practice)
Christopher Byers, DVM, DACVECC, DACVIM (SAIM), CVJ
Staci Cannon, DVM, MPH, DACVPM, DABVP (Shelter Medicine Practice)
Rob Coke, DVM, DACZM, DABVP (Reptile and Amphibian Practice), CVA
Steve Divers, BVetMed, DZooMed, DECZM, DACZM
Uri Donnett, DVM, MPH
Michael Dutton, DVM, MS, DABVP (Canine and Feline Practice),
DABVP (Avian Practice), DABVP (Exotic Companion Mammal Practice), CVPP
Mark Epstein, DVM, DABVP (Canine and Feline Practice), CVPP
William Ray Folger, DVM, MS, DABVP (Feline Practice)
Barrie Grant, DVM, MS, DACVS, MRCVS
Cheryl Greenacre, DVM, DABVP (Avian Practice), DABVP (Exotic Companion Mammal Practice)
Tarah L. Hadley, DVM, DABVP (Avian Practice)
Jill Heatley, DVM, MS, DABVP (Avian Practice), DABVP (Reptile and Amphibian Practice),
DACZM
Brandy Helewa, CVT, RVT, VTS (ECC)
Andrew Isaacs, DVM, DACVIM (Neurology)
Matthew Krecic, DVM, DACVIM
Rachel Kreisler, VMD, MSCE
Patty Lathan, VMD, MS, DACVIM
Angela Lennox, DVM, DABVP (Avian Practice), DABVP (Exotic Companion Mammal Practice),
DECZM (Small Mammal)
Julie Levy, DVM, PhD, DACVIM, DABVP (Shelter Medicine Practice)
Gregory Lisciandro, DVM, DABVP (Canine and Feline Practice), DACVECC
Susan Little, DVM, DABVP (Feline Practice)
James Lowe, DVM, MS, DABVP (Food Animal Practice)
Kimberly May, DVM, MS
Kurt Miller, DVM, DABVP (Canine and Feline Practice)
Gary Norsworthy, DVM, DABVP (Feline Practice)
Kristina Palmer, RVT, VTS (Clinical Practice-Exotics)
Stephen Pittenger, DVM, DABVP (Canine and Feline Practice)
Suzanne Plamondon, DVM, MBA, CVA, CCRT, DABVP (Canine and Feline Practice)
Sarah Proctor, DVM, MPH
Norm Rantanen, DVM, MS, DACVR
Renee Rucinsky, DVM, DABVP (Feline Practice)
Jeremy Sarchet, DVM, MPH, ACVPM, DABVP (Beef Cattle Practice)
Margie Scherk, DVM, DABVP (Feline Practice)
Jacob Shivley, DVM
Karen Snowden, DVM, PhD, DACVIM (Parasitology)
Brian Speer, DVM, DABVP (Avian Practice), DECZM
Mallory Stuckwisch
Elizabeth Thomovsky, DVM, MS, DACVECC

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Notes

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Notes



A series of horizontal lines for taking notes, overlaid on a background featuring two large, overlapping circles. The circle on the left is a light orange color, and the circle on the right is a light green color. The lines are evenly spaced and extend across the width of the page.

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