



18TH ANNUAL ABVP SYMPOSIUM

AMERICAN BOARD OF
VETERINARY PRACTITIONERS

PHOENIX

OCTOBER 31 – NOVEMBER 3, 2013

ONSITE BROCHURE



WELCOME TO THE 18TH ANNUAL ABVP SYMPOSIUM

GENERAL INFORMATION

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.

REGISTRATION DESK HOURS

Wednesday, October 30: 2:00PM-5:00PM
Thursday, October 31: 10:00AM-5:00PM
Friday, November 1: 7:00AM-5:00PM
Saturday, November 2: 7:00AM-5:00PM
Sunday, November 3: 7:00AM-1:00PM

EXHIBIT HALL HOURS

Friday, November 1: 12:50PM-7:00PM
Saturday, November 2: 9:00AM-4:30PM
Sunday, November 3: 9:00AM-11:00AM

CONTINUING EDUCATION CREDITS

This program was reviewed and approved by the AAVSB RACE program for 22.50 hours of continuing education for veterinarians and veterinary technicians in jurisdictions which recognize AAVSB RACE approval. Please contact the AAVSB RACE program if you have any comments/concerns regarding this program's validity or relevancy to the veterinary profession.



ABVP is also an approved sponsor of continuing education to veterinarians and veterinary technicians in the State of New York.



CONTINUING EDUCATION CERTIFICATES

CE certificates will be available at the registration desk beginning at 7:00AM on Sunday, November 3. Please pick up your CE certificate prior to leaving the Symposium.

PROCEEDING NOTES

The Veterinary Information Network (VIN) has proceedings available online at their cyber café. If you purchased a paper copy of the proceedings, please pick it up at the registration desk. No paper copies are for sale onsite.

CANCELLATIONS

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

FEATURED EVENTS

ABVP/AAHA KICK-OFF SEMINAR

THURSDAY, OCTOBER 31, 1:00PM-5:00PM (SOLANA I)

Myths and Misconceptions About Evidence-Based Medicine

Brennen McKenzie

This lecture will explore common myths and misconceptions about evidence-based veterinary medicine and how these impede the widespread adoption of this useful tool.

The Future of Evidence-Based Veterinary Medicine: Challenges and Opportunities

Brennen McKenzie

This lecture will look at barriers to the implementation of evidence-based medicine in the veterinary field and how these can be overcome as well as opportunities for practical integration of EBVM techniques with veterinary research and clinical practice.

Clinical Decision Making: How We Do It and How We Can Improve It

Brennen McKenzie

This lecture will look at current models of clinical decision-making and explore how we can make our clinical decisions more efficient and effective.

Alternative Medicine and Evidence-Based Medicine: Are They Compatible?

Brennen McKenzie

This lecture will examine the intersection between complementary and alternative veterinary medicine and evidence-based veterinary medicine.

Dry Lab: Canine and Feline Nutrition

THURSDAY, OCTOBER 31, 1:00PM-5:00PM (SOLANA B AND C)

In this interactive, hands-on session we will discuss practical, relevant information to help increase your awareness and comfort with nutrition. Using a combination of lecture and rotating through stations, the topics will include evaluating pet foods and ingredients, how to read labels, an overview of assisted feeding including tubes, preparing home diets, and other aspects of clinical nutrition. Pre-registration was required and course is full.



Regents' Reception

THURSDAY, OCTOBER 31, 5:45PM-6:45PM (CIRCA A AND B)

All attendees are welcome to attend this reception hosted by ABVP's Regents. It is the first opportunity of the Symposium to network with colleagues.

Canine and Feline: Video Case-Based Lesion Localization Challenges

Simon Platt

THURSDAY, OCTOBER 31, 7:00PM-8:30PM (SOLANA I)

How to Navigate the New ABVP Online Platform

THURSDAY, OCTOBER 31, 7:00PM-8:00PM (SOLANA H)

Learn how to successfully navigate the online credentials and recertification processes.

Committee Meetings

ABVP Outreach Committee

THURSDAY, OCTOBER 31, 7:00PM-8:30PM (AURORA A AND B)

ABVP Residency Committee

THURSDAY, OCTOBER 31, 7:00PM-8:30PM (AURORA C AND D)

CROSS SPECIES: GLOBAL ONE HEALTH

FRIDAY, NOVEMBER 1, 8:00AM-12:00PM (SOLANA E)

Dean's Eye View - the Path to Reshaping US Academic Success

Joan Hendricks

A vision for broadening the perception of veterinary medicine around the world will be discussed during this session.

Some Case Studies of the Impact of a One Health Approach

Joan Hendricks

Specific examples from many institutions of the value of the one health approach will be presented.

FEATURED EVENTS

Welcome Reception

FRIDAY, NOVEMBER 1, 5:30PM-7:00PM (SOLANA FOYER)

We invite everyone in attendance to join us in the exhibit hall for this annual event. Drinks will be available and exhibit booths will be open during this time.

ABVP Recertification Workshop

FRIDAY, NOVEMBER 1, 7:00PM-8:00PM (SOLANA I)

Do you have questions about ABVP's recertification process? Attend this workshop to have all those questions answered and more.

Item Writing Workshop

FRIDAY, NOVEMBER 1, 7:00PM-10:00PM (SOLANA B)

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

Certification Workshop: For Those Already In the Process

FRIDAY, NOVEMBER 1, 7:00PM-10:00PM (SOLANA H)

Have you applied for ABVP certification 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 new online platform? This session is designed to help answer all those questions and more.



Sunrise Session: Everything You Need to Know About Canine Infectious Respiratory Disease Complex (CIRDC) and How to Control It Ron Schultz

SATURDAY, NOVEMBER 2, 7:00AM-8:00AM (SOLANA E)

This presentation will discuss Canine Infectious Respiratory Disease

Complex (CIRCD) better known as Kennel Cough and the most effective vaccines to control it!



Certification: Is It For Me?

SATURDAY, NOVEMBER 2, 5:30PM-6:15PM (SOLANA H)

Are you considering ABVP certification? This session will provide an overview of the application process, study tips, deadlines, fees, and exam structure.



ABVP Diplomate Meeting

SATURDAY, NOVEMBER 2, 5:30PM-6:15PM (SOLANA E)

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 Question and Answer Session

SATURDAY, NOVEMBER 2, 5:30PM-6:15PM (SOLANA F)

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


Annual Awards Reception and Dinner

SATURDAY, NOVEMBER 2, 6:45PM-10:00PM (CIRCA A, B, AND C)

We look forward to welcoming all attendees to this annual dinner where we recognize newly certified and recertified Diplomates. The 2nd annual live auction will be held following dinner. Reservations are required. \$60 per person. No additional reservations will be taken after 12:00PM on Friday, November 1. Reservations can be made at the registration desk.










SYMPOSIUM SCHEDULE THURSDAY, OCTOBER 31

	ABVP/AAHA KICK-OFF SEMINAR <i>SOLANA I</i>	CANINE AND FELINE
1:00PM-1:50PM	Myths and Misconceptions About Evidence-Based Medicine <i>Brennen McKenzie</i>	Dry Lab: Canine and Feline Nutrition (Limited Attendance, Pre-registration was required) <i>Craig Datz (Solana B and C)</i> 
2:00PM-2:50PM	The Future of Evidence-Based Veterinary Medicine: Challenges and Opportunities <i>Brennen McKenzie</i>	
3:00PM-3:50PM	Clinical Decision Making: How We Do It and How We Can Improve It <i>Brennen McKenzie</i>	
4:00PM-4:50PM	Alternative Medicine and Evidence-Based Medicine: Are They Compatible? <i>Brennen McKenzie</i>	
5:45PM-6:45PM	Regents' Reception (<i>Circa A and B</i>)	
7:00PM-8:00PM	How to Navigate the New ABVP Online Platform <i>Marisa Hackemann (Solana H)</i>	
7:00PM-8:30PM	Committee Meetings	Canine and Feline: Video Case-Based Lesion Localization Challenges <i>Simon Platt (Solana I)</i>

SYMPOSIUM SCHEDULE



















FRIDAY, NOVEMBER 1












	AVIAN, EXOTIC COMPANION MAMMAL, & REPTILE AND AMPHIBIAN COMBINED <i>SOLANA H</i>	CANINE <i>SOLANA E</i>	EQUINE <i>SOLANA I</i>
8:00AM-9:50AM	Cross Species Global One Health: Dean's Eye View - the Path to Reshaping US Academic Success <i>Joan Hendricks (Solana E)</i>		
10:00AM-11:50PM	Cross Species Global One Health: Some Case Studies of the Impact of a One Health Approach <i>Joan Hendricks (Solana E)</i>		
12:00PM-12:50PM	Networking Lunch (<i>Circa A, B, and C</i>)		
12:50PM-1:30PM	Exhibit Hall Opening Dessert in Exhibit Hall		
1:30PM-2:30PM	Avian Ophthalmology <i>Dan Ward</i>	Meningitis and Encephalitis of Dogs and Cats <i>Simon Platt</i> 	Strategic Parasite Control for the Adult Horse <i>Wendy Vaala</i> 
2:30PM-3:00PM	Break in Exhibit Hall		
3:00PM-4:00PM	Reptile and Amphibian Ophthalmology <i>Dan Ward</i>	Trauma to the Brain <i>Simon Platt</i>	Parasite Control for Youngsters <i>Wendy Vaala</i> 
4:00PM-4:30PM	Break in Exhibit Hall		
4:30PM-5:30PM	Small Mammal Ophthalmology <i>Dan Ward</i>	Seizures: The First Seizure <i>Simon Platt</i>	The Problem Pregnancy: Recognition and Therapy <i>Wendy Vaala</i> 
5:30PM-7:00PM	Welcome Reception (<i>Solana Foyer</i>)		
7:00PM-8:00PM	ABVP Recertification Workshop <i>Mike Dutton, Craig Datz, Marisa Hackemann (Solana I)</i>		
7:00PM-10:00PM	AVTCP Meeting (<i>Solana F</i>)		
7:00PM-10:00PM	Item Writing Workshop <i>Dennis French and Steve Foulke (Solana B)</i>		
7:00PM-10:00PM	 Certification Workshop: For Those Already in the Process <i>Carondelet Nollner and Kimberlee Buck (Solana H)</i>		

FELINE SOLANA B	FOOD ANIMAL SOLANA C	SHELTER MEDICINE SOLANA A	AVTCP SOLANA F
Cross Species Global One Health: Dean's Eye View - the Path to Reshaping US Academic Success Joan Hendricks (Solana E)			AVTCP Exams
Cross Species Global One Health: Some Case Studies of the Impact of a One Health Approach Joan Hendricks (Solana E)			
Networking Lunch (Circa A, B, and C)			
Exhibit Hall Opening Dessert in Exhibit Hall			
Feline Head and Neck Tumors Philip Bergman 	Mycoplasma spp. Infection in Dairy Cattle I Billy Smith	Shelter Medicine Practice: Who We Are and Where Are We Today? Brenda Griffin and Kate Hurley 	Canine and Feline - What to Do in the First Five Minutes: Triage and Shock David Liss
Break in Exhibit Hall			
Mammary Gland Tumors - What You Need to Know Philip Bergman 	Mycoplasma spp. Infection in Dairy Cattle II Billy Smith	Canine Parvovirus: Diagnosis, Population Response, Prevention and Treatment I Brenda Griffin and Kate Hurley 	Canine and Feline - What to Do in the Next Five Days: Critical Care Nursing David Liss
Break in Exhibit Hall			
Feline Vaccine-Associated Sarcoma - Myth or Reality? Philip Bergman 	Mycoplasma spp. Infection in Dairy Cattle III Billy Smith	Canine Parvovirus: Diagnosis, Population Response, Prevention and Treatment II Brenda Griffin and Kate Hurley 	Canine and Feline - The A, B, and C's of Transfusion Medicine David Liss
Welcome Reception (Solana Foyer)			
ABVP Recertification Workshop Mike Dutton, Craig Datz, Marisa Hackemann (Solana I)			
AVTCP Meeting (Solana F)			
Item Writing Workshop Dennis French and Steve Foulke (Solana B)			
 Certification Workshop: For Those Already in the Process Carondelet Nollner and Kimberlee Buck (Solana H)			

SYMPOSIUM SCHEDULE







SATURDAY, NOVEMBER 2

	AVIAN SOLANA H	CANINE SOLANA E	EQUINE SOLANA I	EXOTIC COMPANION MAMMAL SOLANA G
7:00AM-8:00AM	Sunrise Session and Continental Breakfast: Everything You Need to Know About Canine Infectious Respiratory Disease Complex (CIRDC) and How to Control It Ron Schultz (Solana E) 			
8:00AM-9:00AM	Avian Fluid Therapy Thomas Tully	Seizures: The Tough to Control Case Simon Platt	Common Management Concerns in the Growing Foal Wendy Vaala 	Treatment Strategies for Lymphoma in Ferrets Dan Johnson 
9:00AM-9:30AM	Break in Exhibit Hall			
9:30AM-10:30AM	Avian Respiratory Anatomy and Physiology Thomas Tully	Neurological Diseases of Young Dogs and Cats Simon Platt	Infectious Disease Updates I Wendy Vaala 	Diagnosis and Treatment of Adrenal Neoplasia in Ferrets Dan Johnson 
10:30AM-11:00AM	Break in Exhibit Hall			
11:00AM-12:00PM	Avian Respiratory Disease Thomas Tully	Monoparesis - Lameness vs. Neurological Simon Platt	Infectious Disease Updates II Wendy Vaala 	Emergency Stabilization of Rabbits and Ferrets, What is the Difference? Dan Johnson 
12:00PM-1:30PM	Networking Lunch (Circa A, B, and C)			
1:30PM-2:30PM	Avian Viral Diseases Thomas Tully	Diagnostic Approach to Patients with Cough, Sneeze, and Respiratory Distress I Philip Padrid 	Pain Management Beyond NSAIDs Hoyt Cheramie (1:30PM-3:00PM) 	Reproductive Tract Tumors and Diseases in Exotic Companion Mammals Dan Johnson 
2:30PM-3:00PM	Break in Exhibit Hall			
3:00PM-4:00PM	Avian Parasites Thomas Tully	Diagnostic Approach to Patients with Cough, Sneeze, and Respiratory Distress II Philip Padrid 	Sedation and Anesthesia: From Field to OR Hoyt Cheramie (3:30PM-5:00PM) 	E. Cuniculi in Small Mammals Kevin Wright/ Angela Lennox 
4:00PM-4:30PM	Break in Exhibit Hall			
4:30PM-5:30PM	Diagnosing the Unhatched Egg I Jill Heatley	Diagnosis and Treatment of Chronic Nasal Disease Philip Padrid 	Sedation and Anesthesia: From Field to OR Hoyt Cheramie (3:30PM-5:00PM) 	Guinea Pig Surgeries Kevin Wright/ Angela Lenox 
5:30PM-6:15PM	Certification: Is It For Me? Dennis French (Solana H) 			
5:30PM-6:15PM	ABVP Diplomate Meeting (Solana E)			
5:30PM-6:15PM	AVTCP Question and Answer Session (Solana F)			
6:45PM-9:30PM	Annual Awards Reception and Dinner Reservation Required (Circa A, B, and C) 			

FELINE SOLANA B	FOOD ANIMAL SOLANA C	REPTILE AND AMPHIBIAN SOLANA D	SHELTER MEDICINE SOLANA A	AVTCP SOLANA F
Sunrise Session and Continental Breakfast: Everything You Need to Know About Canine Infectious Respiratory Disease Complex (CIRDC) and How to Control It Ron Schultz (Solana E) 				
Lymphoma - How Do I Treat? Philip Bergman 	Infectious Foot Diseases of Dairy Cattle Billy Smith	Diagnosing Parasites in Reptiles Eric Klaphake	The Magic of the Space-Time Continuum: Length of Stay and Capacity for Quality Care I Kate Hurley 	Exotics - Physical Examination and Venipuncture Techniques in the Exotic Small Mammal Jody Nugent-Deal
Break in Exhibit Hall				
Top 10 Recent Advances in Veterinary Oncology Philip Bergman 	Noninfectious Foot Diseases of Dairy Cattle Billy Smith	Reptile Anesthesia/ Analgesia Eric Klaphake	The Magic of the Space- Time Continuum: Length of Stay and Capacity for Quality Care II Kate Hurley 	Exotics - Radiographic Positioning and Techniques for Companion Exotic Animals Jody Nugent-Deal
Break in Exhibit Hall				
Feline Mast Cell Tumors and Osteosarcomas: The Latest and Greatest Philip Bergman 	The Transition Cow Billy Smith	Top 5 Presenting Reptile Emergencies Eric Klaphake	Feline URI In and Out of the Shelter: Recognition and Treatment Brenda Griffin 	Exotics - Anesthetic Techniques for the Exotic Small Mammal Patient Jody Nugent-Deal
Networking Lunch (Circa A, B, and C)				
Fundus Examination: Making the Diagnosis From the Inside Out Mary Belle Glaze	Receiving Programs for Stocker and Feeder Cattle I Bob Smith	Reptile/Amphibian Nutrition Eric Klaphake	Feline Upper Respiratory Infection: Prevention and Population Response Kate Hurley 	Canine and Feline - The Dreaded GDV David Liss
Break in Exhibit Hall				
Feline Uveitis and Its Consequences Mary Belle Glaze	Receiving Programs for Stocker and Feeder Cattle II Bob Smith	Ultraviolet Lighting and Heating for Reptiles and Amphibians Eric Klaphake	Housing for Health and Feline Friendly Handling I Brenda Griffin 	Canine and Feline - Anesthesia Monitoring: What Do All Those Beeps and Numbers Mean? David Liss
Break in Exhibit Hall				
Feline Glaucoma Mary Belle Glaze	Treatment Management of BRD in and Stocker and Feeder Cattle Bob Smith	Chameleon Medicine Eric Klaphake	Housing for Health and Feline Friendly Handling II Brenda Griffin 	Canine and Feline - Anesthesia of the "Sick" Patient David Liss
Certification: Is It For Me? Dennis French (Solana H) 				
ABVP Diplomate Meeting (Solana E)				
AVTCP Question and Answer Session (Solana F)				
Annual Awards Reception and Dinner Reservation Required (Circa A, B, and C) 				

SYMPOSIUM SCHEDULE

SUNDAY, NOVEMBER 3

	AVIAN SOLANA H	CANINE SOLANA E	EQUINE SOLANA I	EXOTIC COMPANION MAMMAL SOLANA G
8:00AM-9:00AM	Diagnosing the Unhatched Egg II <i>Jill Heatley</i>	Diagnosis and Treatment of Upper Airway Disorders I <i>Philip Padrid</i>	Equine Glandular Gastritis and Ulceration: What Do We Really Know? <i>Hoyt Cheramie</i> (8:00AM-9:30AM) 	Critical Care in Rodents and How to Get Them to Survive <i>Dan Johnson</i> 
9:00AM-9:30AM	Break in Exhibit Hall			
9:30AM-10:30AM	PDD: Clinical and Molecular Epidemiological Considerations <i>Simon Starkey</i>	Diagnosis and Treatment of Upper Airway Disorders II <i>Philip Padrid</i>	Update on Practical Surgery Topics <i>Hoyt Cheramie</i> (10:00AM-11:30AM) 	Sedation and Anesthesia for the Critical and High Risk Patient <i>Angela Lennox</i> 
10:30AM-11:00AM	Break in Exhibit Hall			
11:00AM-12:00PM	Avian Infectious Disease: Beyond the CBC Chem <i>Jill Heatley</i>	Canine Chronic Bronchitis <i>Philip Padrid</i>	Update on Practical Surgery Topics <i>Hoyt Cheramie</i> (10:00AM-11:30AM) 	Non-Lymphoma Neoplasia in Exotic Companion Mammals <i>Angela Lennox</i> 

LECTURE DESCRIPTIONS

Lectures are listed in the order they will be presented.

AVIAN, EXOTIC COMPANION MAMMAL, AND REPTILE AND AMPHIBIAN COMBINED

Avian, Reptile and Amphibian, and Small Mammal Ophthalmology *Dan Ward*

During these lectures, the diagnosis and management of common conditions of the eye will be discussed.

AVIAN

Avian Fluid Therapy *Thomas Tully*

This session will be a review of renal physiology and anatomy in regards to fluid therapy in avian species. The evaluation of an avian patient's hydration status, fluid administration, osmolality, and fluid product review will be presented.

Avian Respiratory Anatomy and Physiology *Thomas Tully*

This lecture will be a review of the intricate anat-

omy and physiology of the avian respiratory system. The information provided is essential when determining diagnoses and treatment options for avian patients that present with respiratory disease.

Avian Respiratory Disease *Thomas Tully*

A thorough description of disease processes that affect the avian respiratory tract will be presented. Clinical signs associated with specific diseases, pathophysiology of the disease process, diagnostic testing, and treatment options are the focus of this presentation.

Avian Viral Diseases *Thomas Tully*

A thorough review on the latest information regarding avian viral disease will be presented. Multiple bird groups will be included such as parrots, passerines, waterfowl, pigeons, and backyard poultry.



Avian Parasites

Thomas Tully
Both external and internal avian




parasites will be reviewed. Clinical disease presentation, parasite identification, diagnostic testing, and treatment options are the focus of this lecture. Multiple bird groups will be included such as parrots, passerines, waterfowl, pigeons, and backyard poultry.

Diagnosing the Unhatched Egg I *Jill Heatley*

The Incredible Egg: Normal Physiology and anatomy of bird eggs and differentials for when things go wrong. Incubation procedures, species differences, and the normal hatching progression will also be reviewed.

Diagnosing the Unhatched Egg II *Jill Heatley*

The Egg necropsy from start to finish...history taking, measurements, candling, break out exami-

FELINE SOLANA B	FOOD ANIMAL SOLANA C	REPTILE AND AMPHIBIAN SOLANA D	SHELTER MEDICINE SOLANA A	AVTCP SOLANA F
Feline Ocular and Periocular Tumors <i>Mary Belle Glaze</i>	Treatment Management of Non-Respiratory Diseases in and Stocker and Feeder Cattle <i>Bob Smith</i>	Salmonella: Zoonotic and Molecular Epidemiological Considerations <i>Simon Starkey</i>	Canine Infectious Respiratory Disease I <i>Stephanie Janeczko</i> 	Exotics - Anesthetic Techniques for the Reptilian and Avian Patient <i>Jody Nugent-Deal</i>
Break in Exhibit Hall				
Herpesvirus and Feline Eye <i>Mary Belle Glaze</i>	BQA Assessment for Beef Cattle Producers <i>Bob Smith</i>	Amphibian Radiology <i>Dan Johnson</i>	Canine Infectious Respiratory Disease II <i>Stephanie Janeczko</i> 	Exotics - Nursing Care and Management of the Critical Exotic Companion Pet I <i>Jody Nugent-Deal</i>
Break in Exhibit Hall				
Loss of Vision in the Quiet Eye <i>Mary Belle Glaze</i>	Preparing Beef and Dairy Cattle for International Export <i>Bob Smith</i>	Reptile Radiology <i>Dan Johnson</i>	Recognizing and Responding to Animal Cruelty <i>Stephanie Janeczko</i> 	Exotics - Nursing Care and Management of the Critical Exotic Companion Pet II <i>Jody Nugent-Deal</i>

nation, staging, and sampling of the egg will be reviewed from a clinical perspective.

PDD: Clinical and Molecular Epidemiological Considerations *Simon Starkey*

Proventricular dilatation disease (PDD), a progressive fatal neurological disorder of birds, is caused by avian bornavirus (ABV). The disease is characterized by lymphoplasmacytic inflammation of the nervous system. This lecture will cover common clinical presentations in psittacines and recent advances in the molecular epidemiology of this viral condition.

Avian Infectious Disease: Beyond the CBC Chem *Jill Heatley*

Avian diagnostic options in Serology, PCR, and specific indicators for diseases will be reviewed for difficult diseases to diagnose such as aspergillosis, mycobacteria, chlamydia, and multiple viruses.

CANINE

Meningitis and Encephalitis of Dogs and Cats *Simon Platt*

Inflammatory diseases of the CNS are very frequent in both cats and dogs but are very frustrating to specifically diagnose. This lecture describes clinical presentation, diagnosis, and treatment of clinical cases in a practical and logical manner.

Trauma to the Brain *Simon Platt*

Although brain trauma can be an intimidating scenario, it can be appraised and treated very rapidly and simply. This session will describe a condensed neurological and systemic evaluation of the head trauma patient and outline a step wise treatment protocol.

Seizures – The First Seizure

Simon Platt

This session will cover the clinical manifestations of seizures and similar collapsing episodes using videos. The essential principles of initial investigation and management will be described.

Seizures – The Tough to Control Case *Simon Platt*

Once a patient is
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LECTURE DESCRIPTIONS

Lectures are listed in the order they will be presented.

considered unresponsive to the first medication, adjunctive treatment is often necessary. A rational approach to this scenario is described in this session. Status epilepticus and cluster seizures will also be addressed.

Neurological Diseases of Young Dogs and Cats *Simon Platt*

Neurological disease considerations for the young dog or cat include anomalies such as hydrocephalus and Chiari malformation, metabolic abnormalities for instance hepatic encephalopathy, and breed-related degenerative conditions. The clinical presentations and possible management strategies will be discussed during this lecture.

Monoparesis – Lameness vs. Neurological? *Simon Platt*

A gait abnormality involving just one limb can be difficult to evaluate to rule out orthopedic disease especially in an older dog. The evaluation, diagnosis, and clinical differentials to consider for a dog with a neurological cause of this presentation will be discussed.

Diagnostic Approach to Patients with Cough, Sneeze, and Respiratory Distress I and II *Philip Padrid*

These lectures will review the diagnostic tests that are available in private practice to evaluate patients with signs suggesting respiratory disease. Videos of patients and procedures will be used to highlight these conditions and approaches.

Diagnostic Approach to Patients with Cough, Sneeze, and Respiratory Distress I and II *Philip Padrid*

These lectures will review the diagnostic tests that are available in private practice to evaluate patients with signs suggesting respiratory

disease. Videos of patients and procedures will be used to highlight these conditions and approaches.

Diagnosis and Treatment of Chronic Nasal Disease *Philip Padrid*

This lecture will review the state of the art diagnostic and treatment approaches for patients with signs of chronic nasal disease. An assumption will be made that bacteria are NEVER the primary cause of these signs. Videos of patients and procedures will be used to highlight the discussion.

Diagnosis and Treatment of Upper Airway Disorders I and II *Philip Padrid*

These lectures will review the diagnosis and treatment of disorders of the pharynx, larynx, and trachea in dogs. Videos of patients and procedures will be used to supplement the discussion.

Canine Chronic Bronchitis

Philip Padrid

This lecture will review the diagnosis and treatment of chronic bronchitis. Use of inhaled medications will be highlighted. Videos of patients and procedures will be used to supplement the discussion.

EQUINE

Strategic Parasite Control for the Adult Horse *Wendy Vaala*

A practical review of new deworming strategies will include practical, client-friendly, education tools to use when redesigning deworming programs based on timely fecals, drug efficacy testing, and improved husbandry practices. Tips on which fecal analysis technique to use and how to promote FECs as a revenue generator.

Parasite Control for Youngsters *Wendy Vaala*

Review the parasites of concern during the first year of life, the risk factors that contribute to the development of multi-drug resistant ascarids and the diagnostics, deworming protocols and husbandry practices that can help monitor and control parasitic disease in foals and weanlings.

The Problem Pregnancy: Recognition and Therapy *Wendy Vaala*

Infectious and non-infectious threats to the equine pregnancy will be reviewed with a focus on useful diagnostic tools and recommended therapies. Discussion will include periparturient colic, placentitis, fescue-like syndromes, hydrops, maternal aggression and mismothering, and retained placenta.



Common Management Concerns in the Growing Foal *Wendy Vaala*

Infectious and non-infectious threats to the equine pregnancy will be reviewed with a focus on useful diagnostic tools and recommended therapies. Discussion will include periparturient colic, placentitis, fescue-like syndromes, hydrops, maternal aggression and mismothering, and retained placenta.

Infectious Disease Updates I *Wendy Vaala*

Updates on the diagnosis and treatment of tick-borne diseases (e.g., Lyme disease, Anaplasma, Piroplasmosis), Equine Protozoal Myelitis, Potomac Horse Fever, and Pigeon Fever will be presented.

Infectious Disease Updates II *Wendy Vaala*

The year in review will be presented with regard to disease updates on EEE, WNV, Rabies, Equine Influenza, EHV1&4, and Streptococcus equi. Biosecurity measures and handy websites to help prevent and contain these diseases will be presented.

Pain Management Beyond NSAIDs

Hoyt Cheramie

The lecture will discuss the pathophysiology of pain and its consequences in horses together with various treatment modalities including traditional and non-traditional equine medications and administration techniques.

Sedation and Anesthesia: From Field to OR

Hoyt Cheramie

Unlike in most veterinary species, equine anesthesia is carried out in field and OR settings. This lecture will review selected sedation, anesthetic and monitoring techniques highlighting novel approaches and safety considerations.

Equine Glandular Gastritis and Ulceration: What Do We Really Know? *Hoyt Cheramie*

It is unlikely that increased acid exposure alone is the cause of glandular lesions in horses. This in-depth lecture will focus on the anatomy, physiology, pathology, suspected etiology, and epidemiology of glandular ulcerative lesions. Included will be comparative aspects to other species including man and current treatment strategies.

Update on Practical Surgery Topics

Hoyt Cheramie

This lecture will be a review of the current surgical literature highlighting advances in practical equine surgery.



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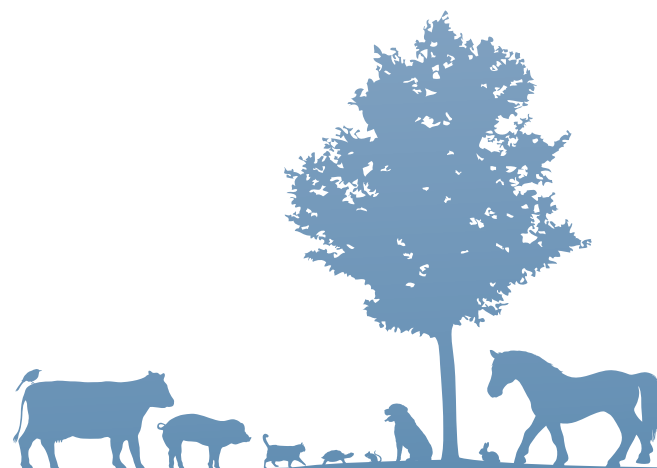
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LECTURE DESCRIPTIONS

Lectures are listed in the order they will be presented.

EXOTIC COMPANION MAMMAL

Treatment Strategies for Lymphoma in

Ferrets *Dan Johnson*

This lecture will review lymphoma in the ferret and highlight the advantages of a novel chemotherapy treatment ("Tufts protocol") which utilizes drugs that are given only by oral or subcutaneous routes.

Diagnosis and Treatment of Adrenal

Neoplasia in Ferrets *Dan Johnson*

This lecture will be a discussion on all aspects of adrenal disease and treatment, which are effective and which aren't, so you do not have to speculate about trying a new drug.

Emergency Stabilization of Rabbits and

Ferrets, What is the Difference? *Dan Johnson*

This lecture will look at the differences in stabilizing a critically ill rabbit versus a critically ill ferret and getting them through that initial 30 minutes after presenting so more supportive care can be initiated and death can be avoided.

Reproductive Tract Tumors and Diseases in

Exotic Companion Mammals *Dan Johnson*

Reproductive tract problems in small mammals are extremely common. This lecture highlights the most common of these presentations in different small mammals.

E. cuniculi in Small Mammals *Kevin Wright/*

Angela Lennox

E. cuniculi is a common cause of neurological disease, cataracts, and kidney disease in rabbits. It is also being documented as an important cause of disease in guinea pigs and other small mammals. Learn more about diagnosing and managing this odd fungal infection.

Guinea Pig Surgeries *Kevin Wright/*

Angela Lennox

Guinea pigs present similar challenges to horses for successful surgeries due to their deep chest and voluminous GI tract. Guinea pigs have their own unique challenges due to their anatomy and physiology. Learn some tips to increase the survival of your guinea pig patients.

Critical Care in Rodents and How to Get

Them to Survive *Dan Johnson*

This lecture focuses on how to recognize and stabilize the critical care rodent. A few cases will be used as an example, and typical case scenarios are highlighted.

Sedation and Anesthesia for the Critical and

High-Risk Patient *Angela Lennox*

Some critical or high risk exotic companion mammal patients require sedation and/or anesthesia to facilitate diagnosis and treatment. Careful patient selection and pre-planning can help improve outcomes.

Non-Lymphoma Neoplasia in Exotic

Companion Mammals *Angela Lennox*

This lecture reviews the more common and a few unusual neoplasms encountered in exotic companion mammals, including diagnosis and treatment options.

FELINE

Feline Head and Neck Tumors *Philip Bergman*

Head and neck tumors are relatively common in cats. An understanding of the differentials in this general anatomic location is very important as the diagnostic and therapeutic approach may vary. We will review and discuss the differentials, diagnosis, treatment, and prognostic factors starting from the nasal planum moving caudally but will not be discussing neurologic tumors.

Mammary Gland Tumors - What You Need to

Know *Philip Bergman*

Mammary gland tumors (MGT's) are relatively common tumors in busy clinical practices. The diagnostic and therapeutic approach for dogs and cats with MGT's will be presented. Particular emphasis will be placed on prognostic factors which will be extremely helpful with decision-making concerning the need for adjuvant therapies.

Feline Vaccine-Associated Sarcoma - Myth

or Reality? *Philip Bergman*

Fibrosarcomas are relatively common in the cat. It is of utmost importance in cats to differentiate vaccine or injection site-associated sarcoma (VAS) from non-vaccine-associated sarcoma as the prognosis and treatments are vastly different. Emphasis will be placed on the history, diagnosis, prognosis, and therapy of cats with VAS.

Lymphoma - How Do I Treat? *Philip Bergman*

Lymphoma is the most common tumor of the cat, and one of the most common tumors in the dog. The diagnostic, prognostic, and therapeutic approach to this tumor will be discussed. Particular emphasis will be placed on the various treatment protocols available, as well as options for rescue chemotherapy in dogs and cats.

Top 10 Recent Advances in Veterinary

Oncology *Philip Bergman*

Many clients with pets expect the same level of care from their veterinarians as they expect for



themselves from their physician. This is especially true for clients with pets, which have cancer. In order to provide this level of care, one must understand and employ the recent advances in medical, surgical and radiation oncology that will be presented in this discussion.

Feline Mast Cell Tumors and Osteosarcomas: The Latest and Greatest

Philip Bergman

Mast cell tumors are extremely common tumors in the dog and are now beginning to be better understood as a disease entity in the cat. The diagnostic, prognostic, and therapeutic approach to mast cell tumors and osteosarcomas in cats will be presented. In addition, the latest in therapeutic and prognostic alternatives will be presented.

Fundus Examination: Making The Diagnosis From the Inside Out *Mary Belle Glaze*

How does one differentiate between normal fundus variations and significant pathology? What are lesion characteristics that suggest systemic involvement? Is there really a user-friendly ophthalmoscope?

Feline Uveitis and Its Consequences

Mary Belle Glaze

How does one recognize the often subtle signs of uveitis in the cat? Can an etiology be determined on clinical signs alone? What is the likelihood of finding a cause? How do we manage the problem in order to limit painful and blinding complications?

Feline Glaucoma *Mary Belle Glaze*

Forget what you know about glaucoma in the dog. What underlies pressure elevations in the feline eye? Can glaucoma be recognized early enough to be treated successfully? What is aqueous misdirection syndrome?

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LECTURE DESCRIPTIONS

Lectures are listed in the order they will be presented.

Feline Ocular and Periocular Tumors

Mary Belle Glaze

How does one differentiate iris melanosis from diffuse melanoma? Is there really a neoplastic consequence of ocular trauma? Which adnexal tumor has the most favorable prognosis? This answer may surprise you!

Herpesvirus and the Feline Eye

Mary Belle Glaze

What's the best test to confirm herpesvirus as the cause of ocular disease? Is antiviral therapy safe – or even effective? Can relapses be prevented? Is there more to herpesvirus than conjunctivitis and ulcers?

Loss of Vision in the Quiet Eye

Mary Belle Glaze

The eye looks normal externally, so why can't this patient see? Why is the eye a target of hypertension? Is enrofloxacin really a threat? Do cats get SARDS? How do you differentiate ocular and central causes of blindness?

FOOD ANIMAL

Mycoplasma spp. Infection in Dairy Cattle I

Billy Smith

Mycoplasma spp. infections occur in many areas of the world. Mycoplasma bovis is the primary pathogen of concern. Cattle may present with different clinical syndromes, including mastitis, conjunctivitis, arthritis, and pneumonia. The interaction between host and agent needed for

infection by this bacteria is unclear and needs to be further studied.

Mycoplasma spp. Infection in Dairy Cattle II

Billy Smith

Identification of positive animals is most commonly made using microbiological procedures. The introduction of Mycoplasma spp. into dairy herds is most often thought to be due to the purchasing of outside carrier animals. Since there is no recognizable effective treatment for mycoplasma infections, it appears identification of infected animals is necessary, and the best method of handling mycoplasma infections is prevention.

Mycoplasma spp. Infection in Dairy Cattle III

Billy Smith

The study of Mycoplasma spp. in cattle is challenging. Epidemiological studies have been conducted to provide a better understanding of this difficult but dynamic pathogen.

Infectious Foot Diseases of Dairy Cattle

Billy Smith

Lameness is a substantial, costly and high incident problem in the dairy industry worldwide. Inflammatory claw lesions such as papillomatous digital dermatitis, interdigital necrobacillosis, and Interdigital dermatitis are the most prevalent infectious reasons for dairy cattle lameness. The best method of handling infectious foot diseases is prevention by strategic use of footbaths.

Noninfectious Foot Diseases of Dairy Cattle

Billy Smith

Lameness due to pododermatitis circumscripta or septica is a substantial problem to the dairy industry. Each of these lesions can become a non-treatable life-threatening problem. One important method of prevention is maintaining a proven and consistent hoof trimming protocol.

The Transition Cow

Billy Smith

The problem list for the transition dairy cow is numerous. Infectious, metabolic, and surgical diseases are common findings in these cattle. Numerous studies dealing with the transition cow have been conducted and will continue to be done in order to better understand this difficult time for dairy cattle.

Receiving Programs for Stocker and Feeder Cattle I

Bob Smith

Vaccination schedules, metaphylaxis, parasite control, and receiving environment options for high-risk and low-risk stocker and feeder cattle will be discussed.

Receiving Programs for Stocker and Feeder Cattle II

Bob Smith

This presentation will address pregnancy management of stocker and feeder heifers, castration options including pain management research, and an overview of developing budgets for stocker operators. Growth enhancement technology for stocker cattle will also be presented.

Treatment Management of BRD in and Stocker and Feeder Cattle

Bob Smith

Bovine respiratory disease is the most important health challenge in high-risk stocker and feeder cattle. Treatment options, protocols, benchmarks, and preventive strategies will be discussed.

Treatment Management of Non-Respiratory Diseases in and Stocker and Feeder Cattle

Bob Smith

This presentation includes treatment and prevention of such diseases as heel warts in feeder cattle, foot rot, bloat in stocker cattle, hematogenous pneumonia, Mycoplasma, coccidiosis, and photosensitization.

BQA Assessment for Beef Cattle Producers

Bob Smith

Tools are available for beef cattle practitioners to do formal BQA assessments for their clients. BQA assessments can prepare producers for formal third party audits, identify strengths and weak-



nesses of BQA programs on farms, ranches and feedlots, and define training needs to meet industry and consumer expectations.

Preparing Beef and Dairy Cattle for International Export

Bob Smith

Beef and dairy cattle are being exported to international markets in record numbers. This presentation will provide an overview of testing requirements, quarantine procedures, and the many pitfalls that veterinarians face when working with the export program.

REPTILE AND AMPHIBIAN

Diagnosing Parasites in Reptiles

Eric Klaphake

Description was not available at time of printing.

Reptile Anesthesia/Analgesia

Eric Klaphake

Description was not available at time of printing.

Top 5 Presenting Reptile Emergencies

Eric Klaphake

Description was not available at time of printing.

Reptile/Amphibian Nutrition

Eric Klaphake

Description was not available at time of printing.

Ultraviolet Lighting and Heating for Reptiles and Amphibians

Eric Klaphake

This session will be a discussion of what is known regarding ultraviolet lighting needs for reptiles and amphibians, how to select bulbs, measure UV output, and establish a correct set-up. Recommendations for heating systems for commonly kept species will also be addressed.

Chameleon Medicine

Eric Klaphake
This lecture will cover common chameleon species, husbandry and diet, common diseases and treatments, and surgical procedures.

Salmonella: Zoonotic and Molecular Epidemiological Considerations

Simon Starkey

Salmonella species are often implicated in zoonotic outbreaks. This lecture reviews recent reptile-associated outbreaks of human Salmonellosis and advances in the molecular epidemiology of this organism.



Amphibian Radiology

Dan Johnson

This lecture is intended to provide an overview of the positioning, exposure, and technique details for amphibians in a clinical setting. We will also discuss and highlight some of the most commonly encountered presentations of amphibian problems for which radiography is of significant benefit.

Reptile Radiology

Dan Johnson

This lecture is intended to provide an overview of the positioning, exposure, and technique details for reptiles in a clinical setting. We will also discuss and highlight some of the most commonly encountered presentations of reptilian problems for which radiography is of significant benefit.

SHELTER MEDICINE

Shelter Medicine Practice: Who Are We and Where Are We Today?

Brenda Griffin and

Kate Hurley

Shelter medicine is a rapidly emerging area of the veterinary practice. In this session, we will examine the history of this unique and challenging discipline and consider new frontiers as the field continues to evolve.

Canine Parvovirus: Diagnosis, Population Response, Prevention and Treatment I and II

Brenda Griffin and Kate Hurley

Within these sessions, we will examine canine parvovirus in animal shelters with an emphasis on practical approaches to “good medicine” in the shelter including strategies for lifesaving prevention and treatment.

The Magic of the Space- Time Continuum: Length of Stay and Capacity for Quality Care I

Kate Hurley

Maintaining the population within the capacity of an organization, of whatever size, is fundamental to maintaining animal health and wellness and operating a successful shelter medicine program. This lecture will describe practical, proven strategies to decrease length of stay and improve quality of care while maintaining or increasing live release.

The Magic of the Space-Time Continuum: Length of Stay and Capacity for Quality Care II

Kate Hurley

This session will build on the information regarding length of stay and quality of care begun in the

first session.

Feline URI In and Out of the Shelter:

Recognition and Treatment

Brenda Griffin
This session will examine feline upper respiratory infection in animal shelters with an emphasis on practical approaches to “good medicine” in the shelter including strategies for quick recognition and efficient treatment.

Feline Upper Respiratory Infection: Prevention and Population Response

Kate Hurley

In a population context, prevention is critical. By the time cats become sick, more than half the battle is lost. This lecture will describe new information about the causes of feline URI in shelters versus pet homes, and successful strategies to reduce this disease to a level lower than was once thought possible.

Housing for Health and Feline Friendly Handling I and II

Brenda Griffin

These sessions will provide practical recommendations for feline-friendly shelters utilizing low-stress handling and housing techniques that can maximize health and welfare.

Canine Infectious Respiratory Disease I

Stephanie Janeczko

Infectious respiratory disease can be a significant challenge affecting the health of dogs in a shelter setting. This lecture will provide an overview and discuss causative agents, diagnostics, and treatment principles.

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LECTURE DESCRIPTIONS

Lectures are listed in the order they will be presented.

Canine Infectious Respiratory Disease II

Stephanie Janeczko

This lecture on canine respiratory disease will focus on management and prevention strategies appropriate for shelters. It includes a discussion on risk factors for infection and preventive strategies to minimize disease levels and reduce the risk of outbreaks.

Recognizing and Responding to Animal Cruelty

Stephanie Janeczko

Veterinarians are likely to see cases of animal abuse, regardless of their type of practice. This lecture will provide information regarding legal, ethical and professional issues, and guidance regarding case identification, effective documentation, reporting, and follow-up.

AVTCP

CANINE AND FELINE

What to Do in the First Five Minutes: Triage and Shock

David Liss

This lecture will discuss the presentation of a critical patient to the veterinary facility. Patients with trauma and shock present often during a busy day at a general practice or in the very late hours at an emergency practice. Triage principles, shock recognition, and initial stabilization will be covered.

CANINE AND FELINE

What to Do in the Next Five Days: Critical Care Nursing

David Liss

This lecture discusses aspects of critical care nursing after a sick patient has been admitted. What do you do for the next five days? A simple approach to holistic patient care, including an easy to remember acronym will be discussed as a step wise approach to nursing the critically ill patient.

CANINE AND FELINE

The A, B, and C's of Transfusion Medicine

David Liss

Technicians are often responsible for transfusion testing (blood-typing and cross-matching) and administering transfusions. This session will cover patients who require transfusions, products used for transfusions, blood-typing and cross-matching procedures, and transfusion monitoring and reaction interventions.

EXOTICS

Physical Examination and Venipuncture Techniques in the Exotic Small Mammal

Jody Nugent-Deal

This lecture will discuss safe and proper capture



and restraint of exotic small mammals such as rabbits, ferrets, chinchillas, guinea pigs, and small rodents. Participants will also learn about how to perform a thorough physical examination on each species. Venipuncture techniques will be discussed in detail for each species. Participants will learn how to obtain the blood samples needed for common diagnostic tests.

EXOTICS

Radiographic Positioning and Techniques for Companion Exotic Animals

Jody Nugent-Deal

This lecture will discuss proper radiographic positioning and basic radiographic techniques for common companion exotic pets such as exotic small mammal, reptilian, and avian species. Specialized equipment used specifically for exotic animals will be discussed in detail. Learn how to obtain excellent diagnostic radiographs in these unique creatures.

EXOTICS

Anesthetic Techniques for the Exotic Small Mammal Patient

Jody Nugent-Deal

This lecture will thoroughly discuss performing anesthesia in exotic small mammals such as rabbits, ferrets, chinchillas, guinea pigs, and small rodents. Common induction, maintenance, peri-operative, and post-operative drugs will be discussed. Learn about intubation, catheterization, anesthetic equipment that actually works on exotic small mammals and how to safely recover animals from anesthesia. Participants will be given a real-life scenario for a patient needing anesthesia and get to practice what they learned.

CANINE AND FELINE

The Dreaded GDV

David Liss

Gastric-dilatation volvulus is often a nightmare in a general practice and a common late-night occurrence in emergency practices. This session will discuss the presentation of GDV and rapid treatment along with post-operative monitoring.

CANINE AND FELINE

Anesthesia Monitoring: What Do All Those Beeps and Numbers Mean?

David Liss

Technicians monitor anesthesia every day. However, keeping all the beeps and numbers straight can be confusing! This session will discuss blood pressure, ECG's, pulse oximetry, end-tidal CO₂, and temperature monitoring so interpretation of these numbers gets...well, a little easier.

CANINE AND FELINE

Anesthesia of the "Sick" Patient

David Liss

Emergency and general practices are often faced with anesthetizing a sick patient. Whether it be a GDV or septic abdomen, or a 16-year old patient with congestive heart failure that really needs a dental. This session will discuss the anesthetic approach to a "sick" patient with special focus on patients who are cardiovascularly and hemodynamically unstable.

EXOTICS

Anesthetic Techniques for the Reptilian and Avian Patient

Jody Nugent-Deal

This lecture will thoroughly discuss performing anesthesia in pet reptilian and avian species. Common induction, maintenance, peri-operative, and post-operative drugs will be discussed. Participants will also learn about intubation, catheterization, anesthetic equipment that actually works and how to safely recover them from anesthesia. Participants will be given a real-life scenario for a patient needing anesthesia and get to practice what they learned.

EXOTICS

Nursing Care and Management of the Critical Exotic Companion Pet I and II

Jody Nugent-Deal

These lectures will cover proper care and management of critically ill common exotic small mammal, reptilian, and avian patients. Supportive care, including proper feeding, catheter placement, fluid therapy, pain management, and diagnostic procedures will be discussed in detail.

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¹ Greene CE, Schultz RD. Immunoprophylaxis. In: Greene, CE, ed. *Infectious Diseases of the Dog and Cat* 3rd ed. Philadelphia: WB Saunders Co.; 2006:1069-1119.

² Day MJ, Schoon H-A, Magnol J-P, et al. A kinetic study of histopathological changes in the subcutis of cats injected with non-adjuvanted and adjuvanted multi-component vaccines. *Vaccine*. 2007; 25:4073-4084.

³ Macy DW. The Potential Role and Mechanisms of FeLV Vaccine-Induced Neoplasms. *Seminars in Vet Medicine and Surgery* (Small Animal). 1995;10(4):234-237.

⁴ Merial. Data on file.

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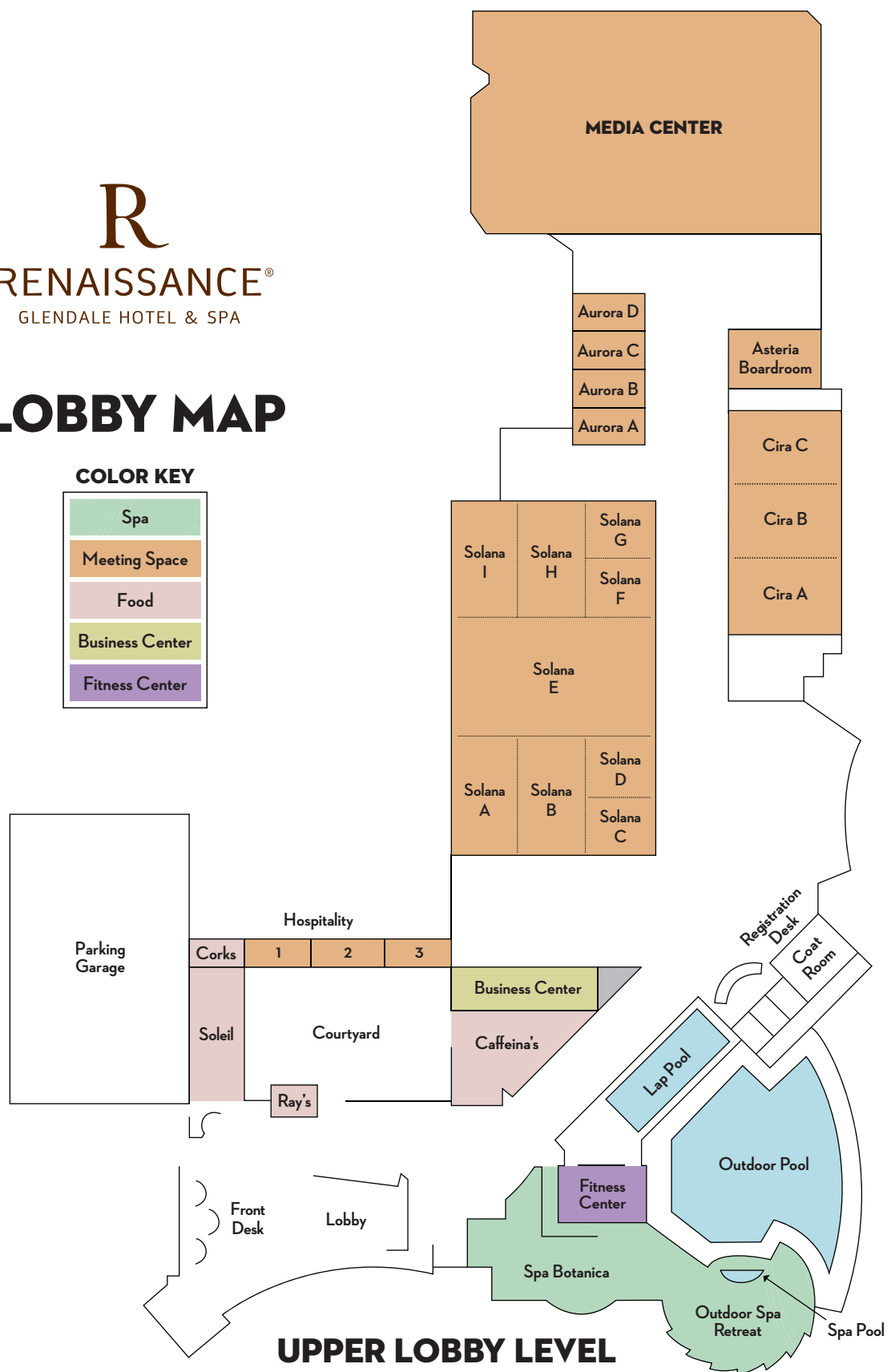
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