

EDUCATION PROGRAM

2021 EXHIBIT HALL GUIDE
WE ARE TOGETHER



Dr. Jon R. Pennell
Annual
Conference

SEPTEMBER 6-9, 2021 • LAS VEGAS

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PRESIDENT'S WELCOME

93rd ANNUAL CONFERENCE

Thank you for being here at the Dr. Jon R. Pennell WVC 93rd Annual Conference! We're excited to bring you four full days of the most cutting-edge information in veterinary medicine to help you discover new knowledge and put that knowledge into practice.

It's been a long time! But finally, we are able to be together again for an in-person conference. Doesn't it feel great? The COVID-19 pandemic has taught us that we stick together as veterinary professionals no matter the circumstances or challenges, no matter the physical distance. This year's conference theme, "We Are Together," captures the unity we constantly strive for as an industry. This togetherness helps improve the standard of care for our patients and provides a strong community that cares for us and our teammates during hard times.

As you know, the WVC Annual Conference doesn't just stop at an exceptional in-person conference this year—we also have the WVC Annual Conference Virtual Supplement as an add-on or an alternative for those who couldn't make it to Las Vegas. Make sure you take advantage of the bonus CE content and networking you can access with a few clicks!

We also have exciting activities and events happening throughout all four days of the conference. After a long day of educational sessions, unwind with friends at a Blue Man Group show or a live beach concert with country music star Carly Pearce. Join us for music and dancing at Party for a Purpose at the House of Blues, fundraising to support Kaua'i Humane Society. We're all about educational opportunities, but it's also important to have some fun.

As always, the Exhibit Hall is packed with actionable, on-trend content and developments designed to make your practice run smoother. In addition to the 400+ exhibitors, there are countless sessions to earn education credits and networking opportunities with peers on the show floor. Enjoy events like morning yoga, the Career Fair, the Learning Lounge, and interactive activities at WVC Central. We hope you leave the WVC Annual Conference inspired to expand your repertoire with innovative tools, technologies, and practices.

Attending veterinary conferences is one of the best ways to participate and cultivate togetherness, so we're excited that you're here. Our team and our Board of Directors appreciate your choosing the WVC Annual Conference as your source for top-notch, hands-on CE. We wish you a fantastic conference full of inspiration, community, and learning!

Robert Smith
DVM, MS, DABVP
Viticus Group Board President, 2021



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INDICATIONS: CYTOPOINT has been shown to be effective for the treatment of dogs against allergic dermatitis and atopic dermatitis.

References: 1. Data on file, Study Report No. C863R-US-12-018, Zoetis Inc. 2. Data on file, Study Report No. C166R-US-17-180, Zoetis Inc.

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LET'S CONNECT



#WVC2021

VITICUS GROUP

TF: 866.800.7326
T: 702.739.6698
E: support@viticusgroup.org

Mandalay Bay: In Case of Emergency

Dial: 77911 from any hotel room
Mandalay Bay Hotel Security

HOTELS

Mandalay Bay | 877.632.9001
Four Seasons | 877.632.5000
Luxor | 800.926.4737
Excalibur | 702.933.7733

CONFERENCE AT A GLANCE

SUNDAY, SEPTEMBER 5

7:30 - 11:30a, 1:30 - 5:50p	Hands-on Labs at the Oquendo Campus 
9:00a - 7:00p	Airport Arrival Shuttles
12:00-6:00p	Hospitality Room open for Speaker and Moderator Check In
3:00 - 7:00p	Registration Open

MONDAY, SEPTEMBER 6

6:00a - 6:00p	Registration Open
6:30a-7:30a	Morning Exercise (Oceanside F)
7:30 - 11:30a, 1:30 - 5:50p	Hands-on Labs at the Oquendo Campus 
8:00a - 10:00p	Airport Arrival Shuttles
8:30a - 6:00p	Mother's Lounge Open (Oceanside G)
8:30a - 6:30p	Luggage Storage (Bayside A)
9:00a-1:00p	Comfort Dogs (Registration)
9:00-11:50a, 2:00-5:50p	Education Program
6:30-8:00p	Hill's Blue Man Event Early Show
9:00-10:30p	Hill's Blue Man Event Late Show


TUESDAY, SEPTEMBER 7

6:00a - 5:00p	Registration Open
6:00a - 7:00p	Luggage Storage (Bayside A)
6:30-7:30a	Industry Breakfast Seminars 
6:30-7:30a	Morning Exercise (Oceanside F)
7:30 - 11:30a, 1:30 - 5:50p	Hands-on Labs at the Oquendo Campus 
7:30a - 6:30p	Mother's Lounge Open (Oceanside G)
8:00a-12:25p	Education Program
9:00a-1:00p	Comfort Dogs (Registration)
9:50-10:35a	Exhibit Hall Break

TUESDAY, SEPTEMBER 7 (CONTINUED)

12:25-2:00p	Exhibit Hall Lunch Break
12:45-1:45p	Industry Lunch Seminars 
2:00-6:25p	Education Program
3:50-4:35p	Exhibit Hall Break
6:30-11:00p	Vet Tech Reception and Party for a Purpose (House of Blues)

WEDNESDAY, SEPTEMBER 8

6:00a - 7:00p	Luggage Storage (Bayside A)
6:30-7:30a	Industry Breakfast Seminars 
6:30-7:30a	Morning Exercise (Oceanside F)
6:30a - 5:00p	Registration Open
7:30 - 11:30a, 1:30 - 5:50p	Hands-on Labs at the Oquendo Campus 
7:30a - 6:30p	Mother's Lounge Open (Oceanside G)
8:00-12:25p	Education Program
9:50-10:35a	Exhibit Hall Break
12:25-2:00p	Exhibit Hall Lunch Break
12:45-1:45p	Industry Lunch Seminars 
2:00-6:25p	Education Program
3:50-4:35p	Exhibit Hall Break
4:00-6:00p	Career Fair in the Exhibit Hall
7:30p	Doors Open at Mandalay Bay Beach for Merck's Concert with Carly Pearce
8:30p-10:00p	Merck's Presents The Concert with Carly Pearce (Mandalay Bay Beach)



Hands-on Labs



Industry Breakfast Seminars



Industry Lunch Seminars

THURSDAY, SEPTEMBER 9

6:00a - 6:30p	Luggage Storage (Bayside A)
6:00a-7:00p	Airport Departure Shuttles (Mandalay Bay Convention Center Entrance)
6:30-7:30a	Industry Breakfast Seminars 🍏
6:30a - 2:00p	Registration Open
7:30 - 11:30a, 1:30 - 5:50p	Hands-on Labs at the Oquendo Campus 🌐
7:30a - 6:30p	Mother's Lounge Open (Oceanside G)
8:00-12:25p	Education Program
9:00a	Annual Informational Meeting (Oceanside F)
9:50-10:35a	Exhibit Hall Break
12:25-2:00p	Exhibit Hall Lunch Break
12:45-1:45p	Industry Lunch Seminars 🍷
2:00-5:50p	Education Program

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SERVICES



HOSPITALITY SERVICES

FOOD COURT

Food and beverage service is available inside the Exhibit Hall (Tuesday-Thursday), Bayside B&C, and at various restaurants located in the Convention Center and surrounding hotels.

LUGGAGE STORAGE SERVICE

WVC will be providing luggage storage Monday through Thursday in Bayside A, Level 1. Mandalay Bay hotel guests can use the hotel's bell desk to hold luggage.



HEALTH & FAMILY SERVICES

PARTICIPANTS WITH DISABILITIES

The conference is accessible by scooter or wheelchair. Wheelchairs are available at hotel bell desks on a first-come, first-served basis. Supply is limited, additional fees may apply.



MOTHER'S LOUNGE

Hassle-free milk storage for nursing mothers available in Oceanside G, Level 2— compliments of Merck Animal Health.

Monday	8:30a-6:00p
Tuesday	7:30a-6:30p
Wednesday	7:30a-6:30p
Thursday	7:30a-6:30p

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CHILD CARE SERVICES

Contact your hotel concierge directly for information about babysitting services within your hotel.



TECH & PROGRAM SERVICES

TECH ZONE

Visit the Tech Zone at the Breakers Registration Desk on Level 2 from Monday-Thursday 7:00a-6:00p to access email, gather local information, print your boarding pass, and get assistance connecting to WiFi and the WVC-Connect App.

WVC-CONNECT

The app is your all-in-one interactive event guide. Use this helpful tool to search CE offerings, create a custom schedule, download notes, rate sessions, search for events, locate exhibitors, view conference center maps, and so much more. Search for WVC-Connect in your app store. See page 18 for more information.

CERTIFICATE PRINTING

Your password-protected certificate of attendance will be available after the Annual Conference by logging into your account at mywvc.wvc.org.

STAY CONNECTED COMPLIMENTARY WIFI

Available in select areas of the
Convention Center
Levels 0, 1, and 2 | All Meeting Rooms
General Concourse | Exhibit Hall
Select **WVC Public2021** Password **together**

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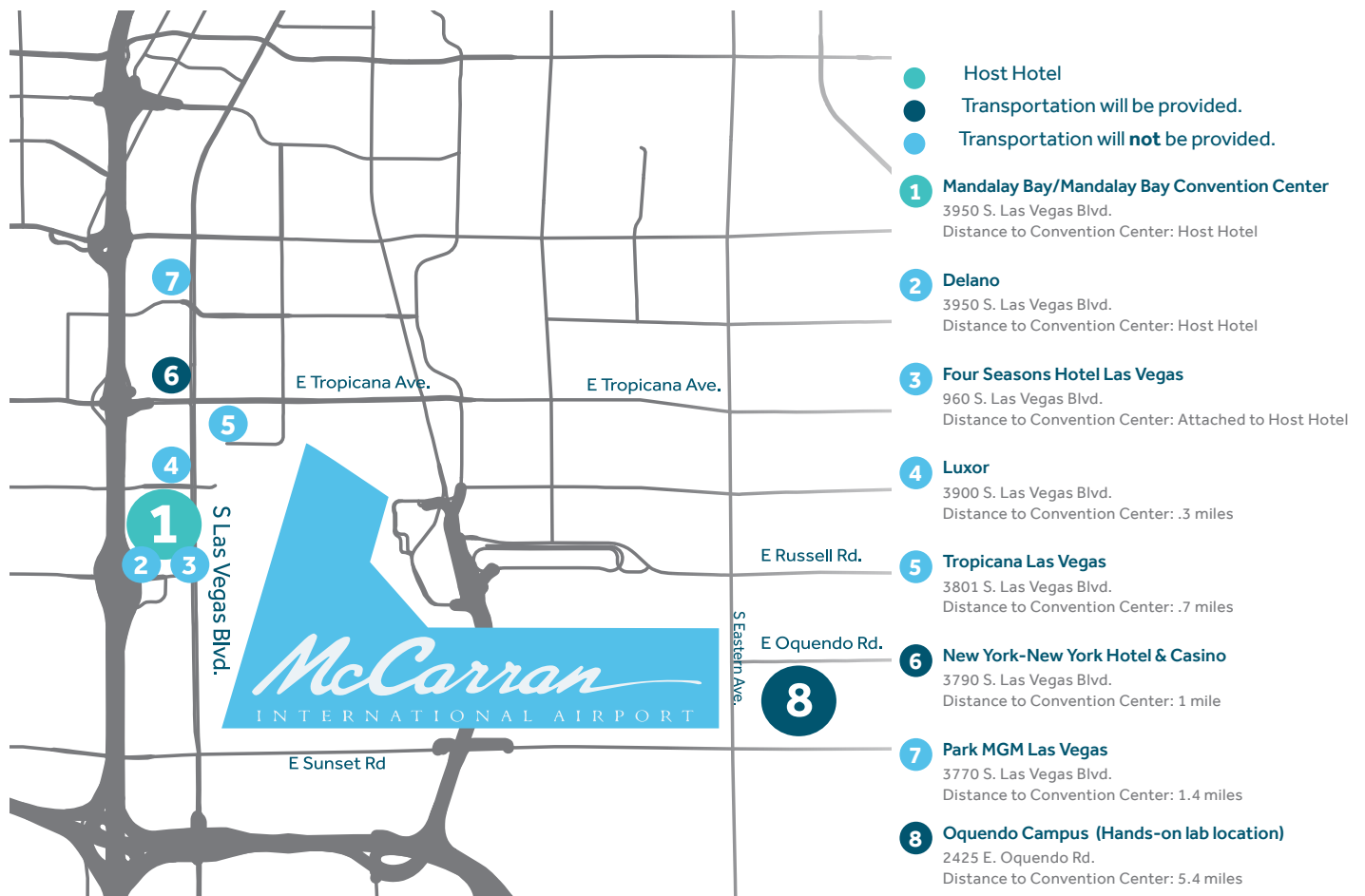
CONFERENCE SURVEY

We appreciate your feedback on each session you attend as well as your thoughts on the conference overall. Participants may complete surveys using the WVC-Connect App or online at mywvc.wvc.org. If you complete at least five session surveys plus the conference survey, you will automatically be entered to win **one of five \$100 gift cards.**

TRANSPORTATION

WVC 93rd Annual Conference Shuttle Schedule | September 5-9, 2021

Date	Time	Pick-up Location(s)	Destination(s)
AIRPORT - ARRIVALS			
Sunday 9/05/2021	9:00a - 7:00p	McCarran International Airport (T1 & T3)	Mandalay Bay Beach Level (Mandalay Bay, Four Seasons, Delano – One Stop) Luxor Excalibur
Monday, 09/06/2021	8:00a – 10:00p	McCarran International Airport (T1 & T3)	Mandalay Bay Beach Level (Mandalay Bay, Four Seasons, Delano – One Stop) Luxor Excalibur
HOTEL SHUTTLES			
Monday 9/06/21	6:00 – 10:00a 3:30 – 7:00p	NYNY	MB Convention Center Entrance
Tuesday 9/07/21	6:00 – 10:00a 3:30 – 7:30p	NYNY	MB Convention Center Entrance
Wednesday 9/08/21	6:00 – 10:00a 3:30 – 7:30p	NYNY	MB Convention Center Entrance
Thursday 9/09/21	6:00 – 10:00a 3:30 – 7:00p	NYNY	MB Convention Center Entrance
Oquendo Campus			
Sunday 9/05/21	7:00a 1:00p 11:30a - 12:30p 4:30p - 5:30p	MB Convention Center Entrance Oquendo Campus	Oquendo Campus MB Convention Center Entrance
Monday 9/06/21	7:00a 1:00p 11:30a - 12:30p 4:30p - 5:30p	MB Convention Center Entrance Oquendo Campus	Oquendo Campus MB Convention Center Entrance
Tuesday 9/07/21	7:00a 1:00p 11:30a - 12:30p 4:30p - 5:30p	MB Convention Center Entrance Oquendo Campus	Oquendo Campus MB Convention Center Entrance
Wednesday 9/08/21	7:00a 1:00p 11:30a - 12:30p 4:30p - 5:30p	MB Convention Center Entrance Oquendo Campus	Oquendo Campus MB Convention Center Entrance
Thursday 9/09/21	7:00a 1:00p 11:30a - 12:30p 4:30p - 5:30p	MB Convention Center Entrance Oquendo Campus	Oquendo Campus MB Convention Center Entrance McCarran International Airport (T1 & T3)
AIRPORT - DEPARTURES			
Thursday 9/09/2021	6:00a - 7:00p	MB Convention Center Entrance	McCarran International Airport (T1 & T3)



TRANSPORTATION

MANDALAY BAY-EXCALIBUR TRAM Guests staying at Excalibur and Luxor are strongly encouraged to use the Mandalay Bay tram system. Tram availability is subject to change. The one-way trip from Excalibur to Mandalay Bay Hotel is estimated at seven minutes, including stop at Luxor, and is free.

LAS VEGAS MONORAIL Las Vegas offers a quick and convenient monorail to explore the Strip, providing easy, inexpensive access to major attractions and hotels. Nine trains travel up to 50 mph, and passengers board every four to twelve minutes at each station. For more information, call 702.699.8200.

TAXI/LYFT/UBER ALTERNATIVE Transportation is available at most hotels and are the recommended mode of transportation for efficient travel within the city. Lyft & Uber are available through your smart phone applications.

LOCAL BUS Regional Transportation Commission of Southern Nevada (RTC) offers a transportation option along the Las Vegas Strip. The Deuce double-decker buses provide both economical and environmentally sound transit. Tickets can be purchased on the buses and at deuce ticket vending machines located at most bus stops. A 2-hour pass is \$6, a 24-hour pass is \$8 and a 3-day pass is \$20.

CONVENTION CENTER PARKING

Convention center parking is available at Mandalay Bay for a nominal fee.

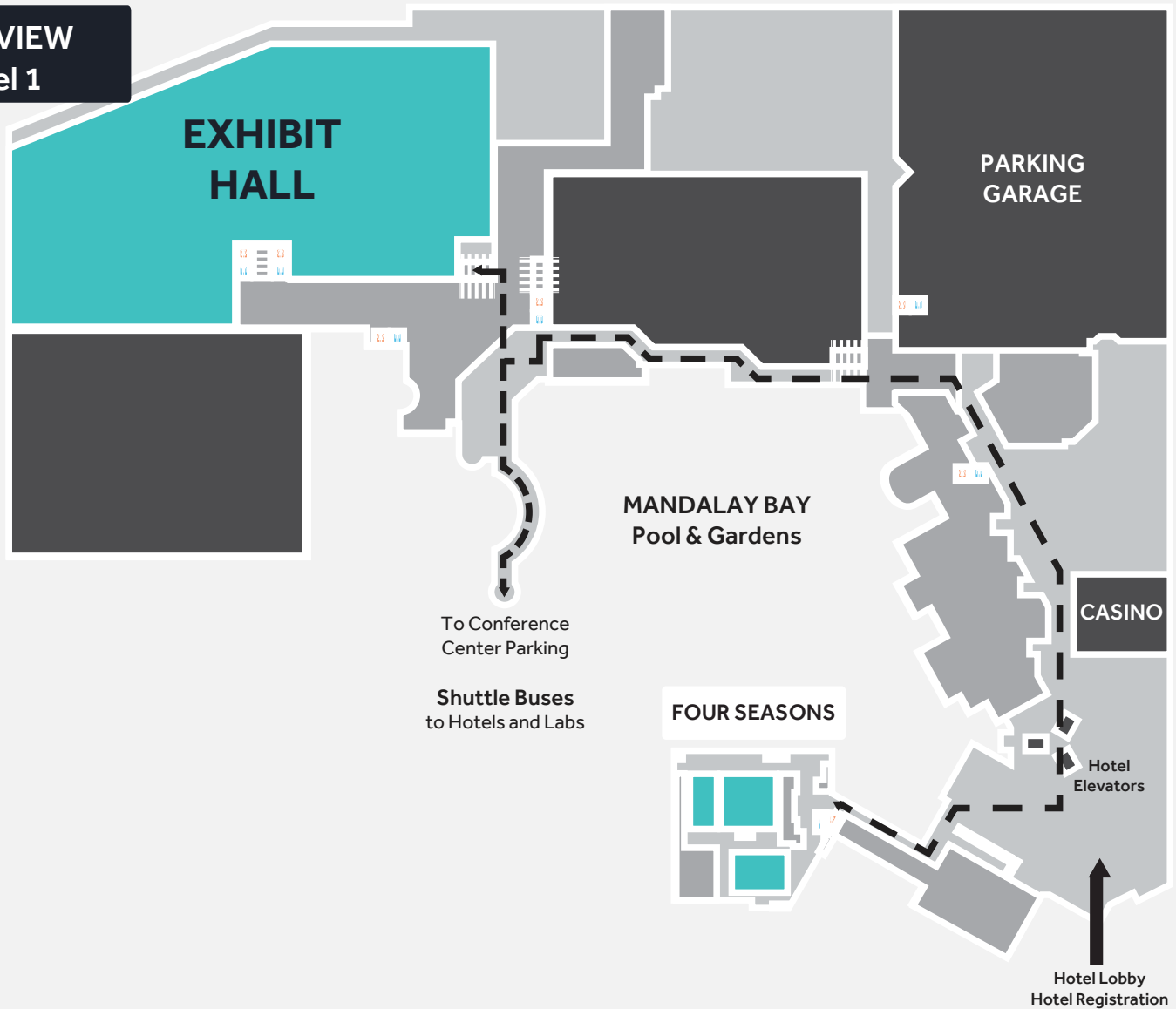
0–60 minutes	No Charge (1st Day Only)
1–4 hours	\$12
4–24 hours	\$15
Over 24 hours	\$15 each additional day or fraction thereof



WELCOME TO
**MANDALAY BAY
CONVENTION CENTER**

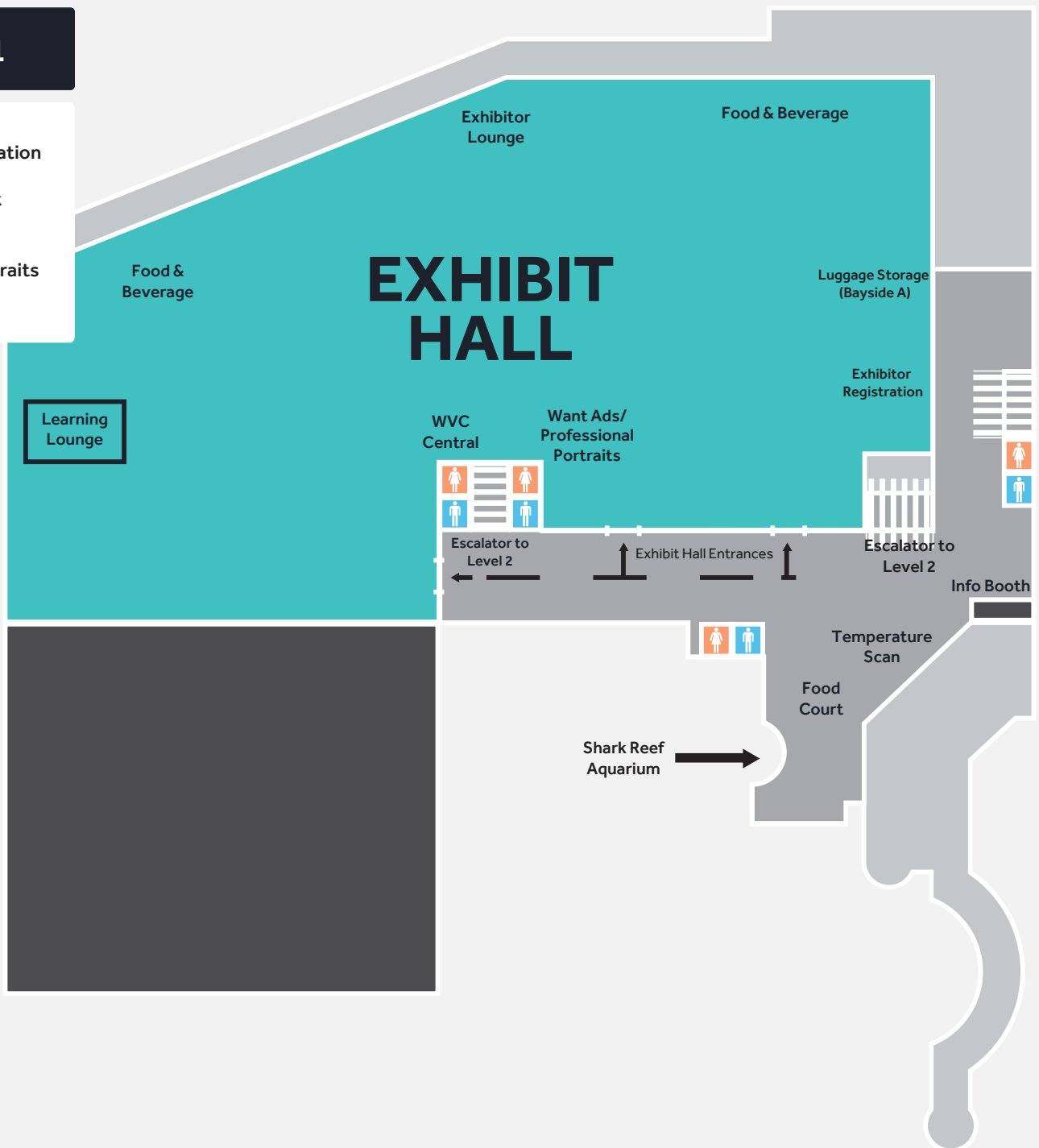


OVERVIEW
Level 1



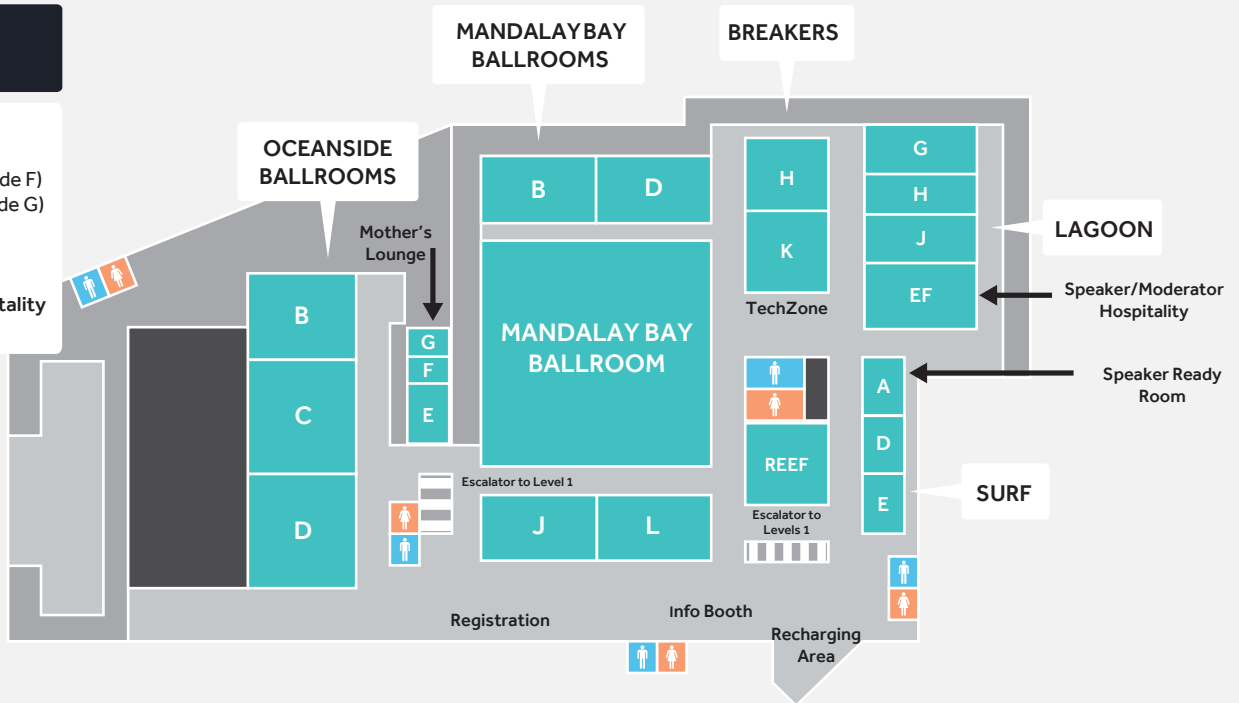
Level 1

Exhibitor Lounge
Exhibitor Registration
Food Service
Information Desk
Learning Lounge
Luggage Storage
Professional Portraits
Want Ads
WVC Central



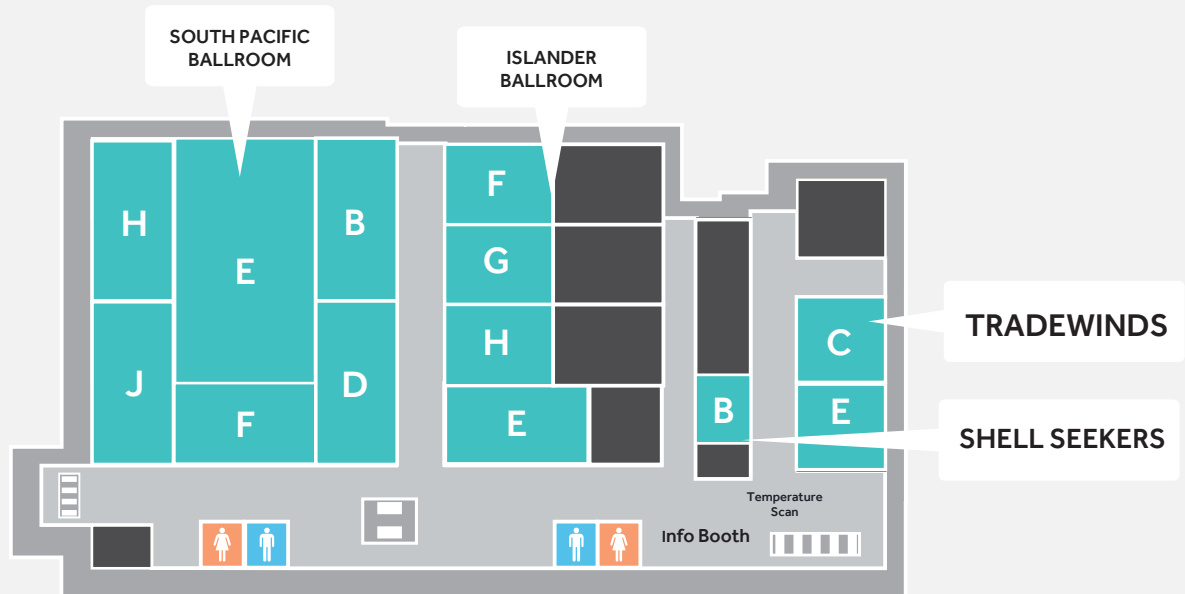
Level 2

Education Sessions
Info Booth
Morning Exercise (Oceanside F)
Mother's Lounge (Oceanside G)
Recharging Area
Registration Desk
Speaker Ready Room
Speaker/Moderator Hospitality
Tech Zone



Level 0

Education Sessions



YOUR SAFETY

Our number one priority at Viticus Group is the safety of our participants and team members. The State of Nevada continues to take a conservative approach that always puts the safety and well-being of our residents and visitors at the center of all rules and regulations. Viticus Group is committed to providing an environment that remains in compliance with all CDC and Clark County Health District mandates and recommendations.*

Vaccinations

We believe part of living in a democratic society is giving people the right to choose. We are encouraging our team members and attendees to be vaccinated. We will work with our venue host partners, as well as local public health officials, to ensure the necessary safety precautions are in place for all participants.

Social Distancing

Classroom Style Seating:

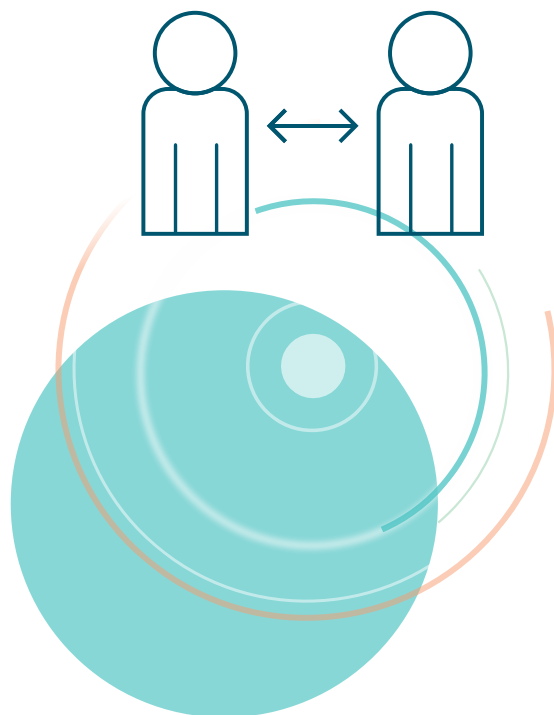
- ▶ 2 people max per 6-foot table, with 6 feet between the front and back of each chair and between chairs
- ▶ Minimum of 6-foot circulation aisles

Theater Style Seating:

- ▶ 1 chair per 6'
- ▶ Minimum of 6-foot circulation aisles

Rounds Style Seating:

- ▶ 4 per 72" inch rounds: set with max 6 chairs per round
- ▶ 6-foot circulation aisles between chairs



*Information is subject to change based on the directives from the local, state, and federal guidelines.

Safety Guidelines Public Areas

As an organization serving medical professionals, we take our responsibility toward participants' health seriously. We are doing everything we can to find solutions and make safe, hands-on CE a reality.



Daily Temperature Check



Masks Worn at all Times in
accordance with local mandates



Hand Sanitizer Provided
at Entrances

Separate Entrance and Exit in
Session Rooms

Visit viticusgroup.org for the latest
Safety Guidelines

STAY CONNECTED



COMPLIMENTARY WI-FI
JOIN NETWORK
WVC PUBLIC 2021

ENTER ACCESS CODE
together

**AVAILABLE IN SELECT AREAS OF
THE CONVENTION CENTER:**

on Levels 0, 1, and 2,
Meeting Rooms, General
Concourse, and Exhibit Hall



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BOARD OF DIRECTORS' ELECTIONS

Participants who attended a Viticus Group event from February 20, 2020, through September 8, 2021 are automatically members of Viticus Group for the 2021 membership year. Participants registered as a veterinarian are eligible to vote for two candidates for the office of Veterinary Director, serving five-year terms, and one candidate for the office of Vice President.

Voting will begin on Monday, September 6 at 1:00p PST and continue through Wednesday, September 8 at 4:00p PST. During this time you will receive an email with a link that is unique to you. This link may be used to vote once and cannot be forwarded to others.

If you experience technical difficulties or do not receive an email and think you meet the eligibility requirements, please contact Viticus Group for assistance at support@viticusgroup.org.

The newly elected Board members will be officially welcomed at the Annual Informational Meeting on Thursday, September 9 at 9:00a.

VITICUS GROUP ANNUAL INFORMATIONAL MEETING

Open to All Registered Participants

Thursday, September 9, 2021 ▶ 9:00–9:30a

Location: Oceanside F, Level 2

HOW TO CAST YOUR VOTE:

- REVIEW nominee biographic information online at viticusgroup.org, or on the following pages. (Use QR code scanning app on your mobile device to view candidates.)
- Cast your vote by clicking on the unique "vote here" link sent via email September 6.
- Voting begins Monday, September 6, at 1:00p PST and is open until 4:00p PST on Wednesday, September 8, 2020.
- Votes are REVIEWED and CERTIFIED in the presence of all members of the Governance Committee.

2021 BOARD CANDIDATES

VICE PRESIDENT *Vote for 1*

- ▶ Gary Weddle, DVM

VETERINARY DIRECTOR ▶ *Vote for 2*

- ▶ C. Bryan Stuckey, DVM
- ▶ Meredyth Jones, DVM, MS, DACVIM
- ▶ Joan S. Bowen, DVM



Use your mobile QR code scanning app to view candidates on Viticus Group website.



YOU DECIDE

CONTINUING EDUCATORS OF THE YEAR

Participants of the WVC 93rd Annual Conference are eligible to vote for WVC 2021 Continuing Educators of the Year. The selected speakers will be recognized for their skills and contributions to the conference and veterinary profession. Select speakers by indicating your vote for the top presenter in each category when completing the in the session surveys.

Avian & Exotics
Equine
Food Animal
Practice Management
Small Animal
Veterinary Technician

BOARD OF DIRECTORS VOTING



CANDIDATE FOR VICE-PRESIDENT

Gary Weddle, DVM

Dr. Weddle hails from Missouri and is a 1978 graduate from the University of Missouri College of Veterinary Medicine. During that period, he started and co-directed the Raptor Rehabilitation Project at the College of Veterinary Medicine, co-authoring several papers and was contributing author on a chapter in Fowler's first two editions of "Zoo and Wildlife Medicine" on raptor hematology. After graduation, he practiced small animal and exotic medicine in private practice until 1993, then went on to practice exclusively exotic animal medicine until 2000. He established the Veterinary Technology Program at the College of Southern Nevada, where he was an adjunct professor. From 2000 until retirement in 2011, he practiced shelter medicine. During retirement, Dr. Weddle has been serving on the IACUC Committee of Viticus Group (formerly WVC) for the past twenty years, as a surgical examiner for the AVMA ECSVG program, as the USDA Veterinarian of record for the Viticus Center–Oquendo Campus, and as a member of the Board of Directors of Viticus Center since 2015. He also is a volunteer veterinarian for the Henderson Animal Shelter.

Dr. Weddle has served as President of the Nevada Veterinary Medical Association and as a member of the Nevada Board of Veterinary Examiners and the Nevada Board of Wildlife Commissioners. In 1985, he received the "Conservationist of the Year" Award from the Nevada Chapter of the Wildlife Society.

Personal hobbies include falconry, land sailing, fishing and photography.

Since graduation, Dr. Weddle has been to every WVC Annual Conference. He served as session moderator for many years during that time. His strong appreciation for the great job of providing the highest-quality continuing education is the driving factor for his deepening involvement with Viticus Group.



CANDIDATE FOR DIRECTOR

C. Bryan Stuckey, DVM

Since graduation from Texas A&M College of Veterinary Medicine in 1970, Dr. Stuckey has been the principal owner/operator of four practices—two mixed animal; one emergency; and an extended hour, general and emergency small animal practice. In his final working year, the practice received the high honor of being “One of the Best Places in San Antonio to Work” in the small business category. In addition to practice, he spent 8 years on Executive Board of the Texas Veterinary Medical Association and was a founding contributor. Currently, he is co-founder and CEO of Kozlovsky, Stuckey, and Associates, a firm that assists veterinary practice owners optimize their practice to increase profitability for long or limited term exit strategy. He enjoys helping owner-doctors achieve their personal goals and reach maximum potential in veterinary practice.



CANDIDATE FOR DIRECTOR

Meredyth Jones, DVM, MS, DACVIM

Dr. Jones received her DVM from Oklahoma State University in 2002. She entered private mixed-animal practice in Brandenburg, Kentucky, later completing a residency in Large Animal Internal Medicine-Emphasis Food Animal and received a MS degree in Veterinary Biomedical Sciences at Oklahoma State University. She then taught food animal field services at Kansas State and Texas A&M. She is the owner of Large Animal Consulting & Education, an online continuing education company. She joined the food animal faculty at Oklahoma State in the fall of 2018.



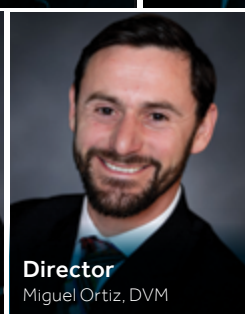
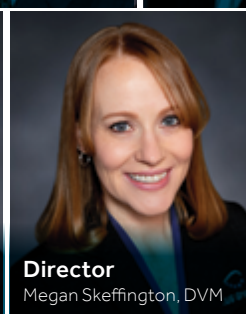
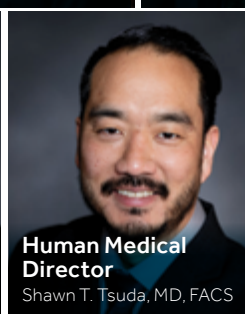
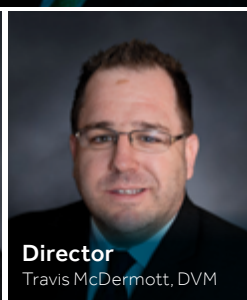
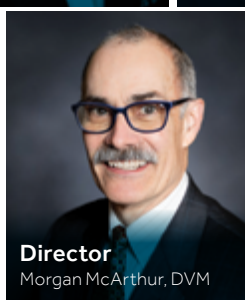
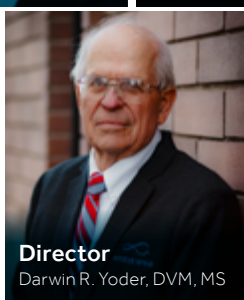
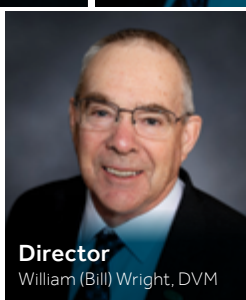
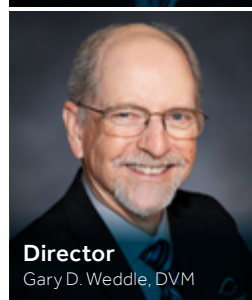
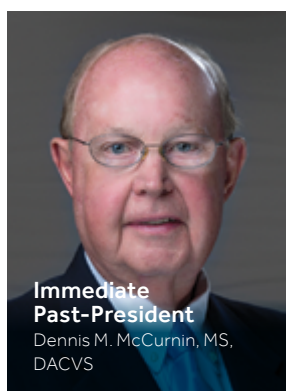
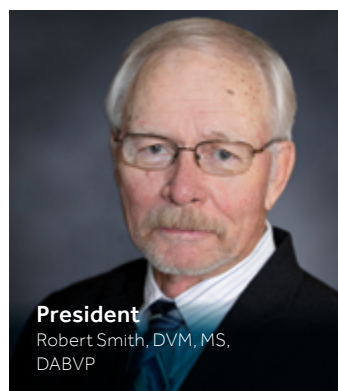
CANDIDATE FOR DIRECTOR

Joan S. Bowen, DVM

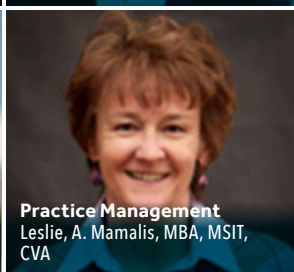
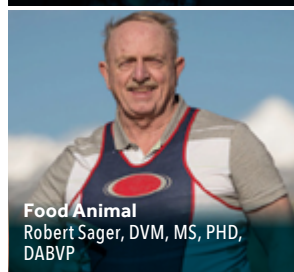
Following graduation in 1976, Dr. Bowen opened a mobile small ruminant veterinary practice in Weld and Larimer Counties in northeastern Colorado. This included herd health services for the Colorado State University Bovine Embryo Transfer Program from 1978-1980 and the American Breeders Service Artificial Insemination Facility from 1980 to 1996. Over the years, she has served small farm flock sheep and goat producers, and while on farm calls, she provides a variety of small animal services as requested by clients. Dr. Bowne has been an active member of the American Association of Small Ruminant Practitioners since 1975 and has served in multiple positions on the Board of Directors, including two terms as President from 2005-2007 and 2011-2013. She represented AASRP in the AVMA House of Delegates from 2009 through 2019 and on the AVMA Food Safety Advisory Committee from 2012 through 2018.

2021 BOARD OF DIRECTORS & EDUCATION MANAGERS

2021 BOARD OF DIRECTORS



2021 EDUCATION MANAGERS



2021 MODERATOR FACILITATOR



PAST PRESIDENTS

MANY THANKS TO OUR PAST PRESIDENTS FOR THEIR LEADERSHIP AND DEDICATION.

2020	Dennis M. McCurnin	<i>Henderson, NV</i>
2019	Darwin R. Yoder	<i>Filer, ID</i>
2018	W. Mark Hilton	<i>West Lafayette, IN</i>
2017	Joe M. Howell	<i>Nichols Hills, OK</i>
2016	Jon R. Pennell	<i>Las Vegas, NV</i>
2015	George Dyck	<i>Newhall, CA</i>
2014	Randall Ezell	<i>Las Vegas, NV</i>
2013	Dennis McCurnin	<i>Henderson, NV</i>
2012	James Creed	<i>St. George, UT</i>
2011	Cynthia Sprigg-McDowell	<i>Cape Girardeau, MO</i>
2010	Robert Smith	<i>Stillwater, OK</i>
2009	Ann L. Johnson	<i>College Grove, TN</i>
2008	James Furman	<i>Alliance, NE</i>
2007	William D. Fortney	<i>Manhattan, KS</i>
2006	Walter R. Threlfall	<i>Powell, OH</i>
2005	Jack O. Walther	<i>Elko, NV</i>
2004	Charles D. Vail	<i>Littleton, CO</i>
2003	Robert Miller	<i>Columbia, MO</i>
2002	Craig E. Griffin	<i>San Diego, CA</i>
2001	Royal W. Ranney	<i>Rolla, MO</i>
2000	Arthur A. Bickford	<i>Turlock, CA</i>
1999	Ross D. Clark	<i>Tulsa, OK</i>
1998	Clair M. Hibbs	<i>Lynden, WA</i>
1997	Vaughn A. Seaton	<i>Ames, IA</i>
1996	Robert J. Danielson	<i>Caldwell, ID</i>
1995	Wallace W. Wolf	<i>The Dalles, OR</i>
1994	William C. Wafer	<i>Show Low, AZ</i>
1993	Ronnie G. Elmore	<i>Manhattan, KS</i>
1992	James E. Nave	<i>Las Vegas, NV</i>
1991	Lloyd C. Faulkner	<i>Poteau, OK</i>
1990	Clyde A. Kirkbride	<i>Brookings, SD</i>
1989	Toney G. Reynolds	<i>Roswell, MN</i>
1988	Ross O. Mosier	<i>Spalding, NE</i>
1987	Hal E. Jenkins	<i>Tempe, AZ</i>
1986	James W. Glosser	<i>Massillon, OH</i>
1985	Earl L. Drake	<i>Reno, NV</i>
1984	Virgil J. Humphries	<i>Worland, WY</i>
1983	Richard F. Hall	<i>Tifton, GA</i>
1981-82	Philip R. Morgan	<i>Coos Bay, OR</i>
1980	Kenneth D. Weide	<i>Lincoln, NE</i>
1979	James H. Wommack	<i>Roseville, CA</i>
1978	Richard C. Tolley	<i>Chandler, AZ</i>
1977	William W. Hawkins	<i>Dillon, MT</i>
1976	George D. Duby	<i>Chehalis, WA</i>
1975	Guy E. Reynolds	<i>Corvallis, OR</i>
1974	Floyd W. Frank	<i>Moscow, ID</i>

1973	Roy A. Nipko	<i>Salt Lake City, UT</i>
1972	Keith O. Lassen	<i>Mesa, AZ</i>
1971	Reginald A. Stocking	<i>Sunland, CA</i>
1970	Donald Miller	<i>Springfield, VA</i>
1969	Don K. Shaffner	<i>Dillon, MT</i>
1968	William F. Harris	<i>Puyallup, WA</i>
1967	John L. O'Harra	<i>Reno, NV</i>
1966	Edward A. Tugaw	<i>Salt Lake City, UT</i>
1965	James W. Bailey	<i>Moscow, ID</i>
1964	Merthyr L. Miner	<i>Bountiful, UT</i>
1963	Bert Reinow	<i>Pinedale, WY</i>
1962	Lavon M. Koger	<i>Pullman, WA</i>
1961	Harry E. Shaulis	<i>Denver, CO</i>
1960	L.V. Reubel	<i>Jerome, ID</i>
1959	E.E. Maas	<i>Reno, NV</i>
1958	Everette A. Tunnickliff	<i>Bozeman, MT</i>
1957	Hugh Hurst	<i>Salt Lake City, UT</i>
1956	George H. Good	<i>Wheatland, WY</i>
1955	Floyd R. Mencimer	<i>Ogden, UT</i>
1954	Howard F. Wilkins	<i>Helena, MT</i>
1953	Rue Jensen	<i>Fort Collins, CO</i>
1952	W.W. Fisher	<i>Reno, NV</i>
1951	John W. Chambers	<i>Garland, UT</i>
1950	Arthur P. Schneider	<i>Boise, ID</i>
1949	Wayne Binns	<i>Logan, UT</i>
1948	K.K. Shott	<i>Buhl, ID</i>
1947	Ward T. Huffman	<i>Salt Lake City, UT</i>
1946	Phil H. Graves	<i>Aptos, CA</i>
1945	F.H. Melvin	<i>San Clemente, CA</i>
1943-44	A.C. Johnson	<i>Cedar City, UT</i>
1942	A.K. Kuttler	<i>Boise, ID</i>
1941	Jean C. Fling	<i>Estes Park, CO</i>
1940	Hadleigh Marsh	<i>Bozeman, MT</i>
1939	A.H. Francis	<i>Denver, CO</i>
1938	O. Wennergren	<i>Logan, UT</i>
1937	Elton M. Gildow	<i>Lacey, WA</i>
1936	W.H. Hendricks	<i>Salt Lake City, UT</i>
1935	E.A. Bundy	<i>Ogden, UT</i>
1934	L.R. Vawter	<i>Corvallis, OR</i>
1933	H.D. Port	<i>Cheyenne, WY</i>
1932	L.C. Butterfield	<i>Las Vegas, NV</i>
1931	A.J. Dickman	<i>Boise, ID</i>
1930	J.T. Dallas	<i>Cheyenne, WY</i>
1929	W.D. Wright	<i>Ogden, UT</i>
1928	H.J. Frederick	<i>Logan, UT</i>

SPECIAL DEDICATION



Dr. Jon R. Pennell

WVC Past President & Namesake

In recognition of Dr. Jon R Pennell's exceptional contributions to Viticus Group and the veterinary profession, the 2021 WVC Annual Conference is named the WVC Dr. Jon R Pennell 93rd Annual Conference.

Dr. Pennell is a second-generation veterinarian who has practiced small animal medicine and surgery in Las Vegas since 1981. He has a long history with Viticus Group (formerly WVC), where he initially served as a session moderator, was later elected to the Board of Directors, and served as President of the Board and Chairman of the Expansion Committee. Dr. Pennell has also held leadership positions in organized veterinary medicine at local, state, and national levels. His dedication, creativity, and vision were instrumental in what Viticus Group and the WVC Annual Conference is today.



CEO MESSAGE

Andrea Davis

Chief Executive Officer

Hello, my amazing veterinary friends! I'm so excited that you're here at the Dr. Jon R. Pennell WVC 93rd Annual Conference, the first large veterinary conference to meet in person since the pandemic. I'm so happy to honor Dr. Jon Pennell, who has been an exemplary leader for Viticus Group and the veterinary industry.

Since becoming the CEO at Viticus Group in October 2019, I've seen veterinary professionals repeatedly pull together to support each other. So, even though we had to move this conference from February to September, we knew the importance of gathering and learning as a community at events like this one. That's why we've done all we can to take the precautions necessary and think outside the box to make it happen!

I sincerely hope you enjoy the education, networking, and entertainment events we've prepared for you as you reconnect and discover new knowledge with your peers. Welcome, and happy learning!



HONORING EXCELLENCE

Each year, participants select the conference presenters who they feel are superior in their ability to deliver information with insight, accuracy, depth, and openness. Viticus group sincerely appreciates and recognizes these 2020 Continuing Education of the Year for their skills and contributions to the conference and the veterinary profession.

2020 EDUCATORS OF THE YEAR SPECIAL RECOGNITION



AVIAN & EXOTICS

Olivia A. Petritz

DVM, DACZM



EQUINE

Lori Bidwell

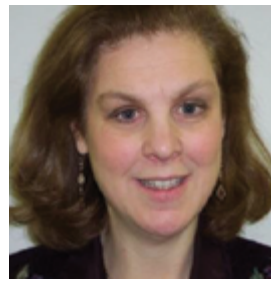
DVM, CVA, DACVAA



FOOD ANIMAL

Daniel U. Thomson

DVM, MS, PhD



PRACTICE MANAGEMENT

Louise Dunn



SMALL ANIMAL

Karen M. Tobias

DVM, MS, DACVS



VETERINARY TECHNICIAN

Harold Davis

RVT, VTS (ANESTHESIA &
ANALGESIA, ECC)



HANDS-ON

Howard B. Seim, III

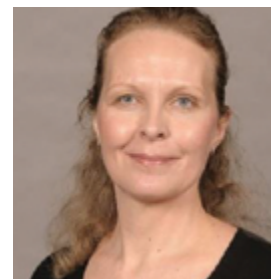
DVM, DACVS



MODERATOR

Meghan Burns

DVM



MODERATOR

Emma Gebhardt

DVM

2021 Continuing Education of the Year will be
announced on viticusgroup.org after conference.

ADDITIONAL AWARDS

PROGRAM DEDICATION

Dr. Jon R. Pennell

DISTINGUISHED SERVICE AWARD

Dr. George Dyck

MERITORIOUS AWARD

Dr. Jerry Goldsboro

DR. W. BRUCE WREN FOOD ANIMAL INCENTIVE AWARD RECIPIENTS

Viticus Group applauds these five outstanding postgraduate recipients of the 2021 Dr. W. Bruce Wren Food Animal Incentive Awards and commends their commitment to food animal practice.



Brittany Diehl,
DVM
*University of Florida
College of
Veterinary Medicine*



Blaine Johnson,
DVM, MS
PhD Student
*Kansas State University
Beef Cattle Institute*



Jeff Olivarez,
DVM
Iowa State University



Savannah Basham,
DVM, MPH
*Auburn University
College of
Veterinary Medicine*



Luis A. Rivero,
DMV
*University of Missouri
Department of
Veterinary Medicine
& Surgery*

Dr. Jack Walther Recent Graduate Bootcamp 2021 Winners

The Dr. Jack Walther Recent Graduate Boot Camp Scholarship offers 24 emerging veterinarians the chance to experience a 3-day hands-on course with FREE hotel, meals, and CE included—plus a 6-month mentorship with select members of the Viticus Group Board of Directors.

Brought to you in part by
an education grant from
**ZOETIS
PETCARE**



Eden Armstrong, DVM
*Virginia Maryland College
of Veterinary Medicine*



Callan Cooper, DVM
University of Wisconsin



Maggie Philips, DVM
Louisiana State University



Matt Asciutto, DVM
University of Tennessee



Brittany Ellersick, DVM
*Midwestern College
of Veterinary Medicine*



Jordan Rice, DVM
University of Missouri



Chanel Baron, DVM
*UC Davis School
of Veterinary Medicine*



Mahima Gulati, DVM
IVSA Mumbai



Wayne Robison, DVM
*University of Nebraska-Lincoln/
Iowa State University*



Stephanie Beagan, DVM
Colorado State



Carolyn Hennessey, DVM
*N.C. State University College
of Veterinary Medicine*



Clarissa Rodriguez, DVM
*Ross University School
of Veterinary Medicine*



Scott Bertoldo, DVM
*Cornell University College
of Veterinary Medicine*



Mattie Hunsader, DVM



Brian Standish-Parkin,
DVM
*University of Illinois
in Champaign-Urbana*



Jonathan Bycroft, DVM
Kansas State University



Jane Kelly, DVM
*Western University of Sciences College
of Veterinary Medicine*



Kylie Tabor, DVM



Stuart Callahan, MS, DVM
*Virginia-Maryland College
of Veterinary Medicine*



Taylor Miller, DVM
*Ross University School
of Veterinary Medicine*



Sarah Thornton, DVM
University of Sydney Australia



Sydney Carr, DVM
Auburn University



Lacy Parson, DVM
Texas A&M University



Melissa Wilson, DVM

GET THE APP

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WVCconnect

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YOUR SOURCE FOR ALL YOUR CONFERENCE NEWS

Having Trouble Logging In?
Stop by the Tech Zone
on Level 2 for assistance



CREATE A PERSONAL SCHEDULE

Click the star icon next to sessions and exhibitors to easily create a list of favorites in your "My Schedule."



QUICKLY FIND WHAT YOU NEED

Find session locations and events easily when you click the "Program" button.



STAY IN THE KNOW

Receive alerts for the latest updates and stay up-to-date on all the activities.



SHARE YOUR FEEDBACK

Complete session and conference surveys inside the app and let us know how we did.



PLAY VET DETECTIVE

Be a super sleuth and search the Exhibit Hall for clues for your chance to WIN prizes totaling \$3,500.

**DOWNLOAD
IT NOW**



SPECIAL PRICE JUST FOR YOU



Log into your WVC account to register now for the **WVC 94th Annual Conference** in March 2022.

Enter the code below to receive a low price only available to 2021 conference participants.

SPECIAL PRICE CODE:

WVCVET200

Veterinarian

WVCTEAM100

Veterinary Technician,
Practice Manager, Administration

CODE VALID THROUGH 9/6/2021-10/31/2021



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PETCARE

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ADEQUAN CANINE
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ANTECH DIAGNOSTICS
ARDENT ANIMAL HEALTH
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ASSISI
ASSISI ANIMAL HEALTH
AVMA
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BIONOTE USA
BLUE RIVER PETCARE
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CAPITAL ONE
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CEVA
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CP MEDICAL
CRAIG ROAD ANIMAL HOSPITAL
DECHRA
DIAGNOSTIC IMAGING SYSTEMS
DI FOSSUM
DIGATHERM, LLC
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ELLMAN, A CYNOSURE COMPANY
EPICUR PHARMA
EPIQ
ETHOS DISVOERY
FIRST FINANCIAL BANK
GEKKOVET
GLOBALVETLINK
HESKA DIAGNOSTICS
HUMAN ANIMAL BOND ASSOCIATION
IVAPM
LAS VEGAS VETERINARY SPECIALTY
CENTER
LEXAGENE
LIFELEARN ANIMAL HEALTH
LINTBELLS (YUMOVE)
MEDIVET BIOLOGICS
MULTICULTURE VETERINARY MEDICAL
ASSOCIATION
NATIONWIDE PET INSURANCE
NAVTA
NORBROOK
NVA
O'BRIAN VETERINARY GROUP
OMNI PRACTICE GROUP
PATHWAY VET ALLIANCE
PETCARE
PETDX
PETCO
PETMAP (CARDIO COMMAND)
PETSAPP
PKB ANIMAL HEALTH
PRN PHARMACAL
ROYAL CANIN
SCOPIOVET
SEDECAL USA, INC
SENTRY ANIMAL HEALTH
SMITH'S MEDICAL
STANDARD PROCESS
SOCIETY FOR VETERINARY MEDICAL ETHICS
SOUTHERN VETERINARY PARTNERS
STOKES 503B
THE VET RECRUITER
USDA APHIS
VARL
VAN BEEK NATURAL SCIENCES
VETBIOTEK
VET DIGITAL XRAY
VET MATRIX
VETOQUINOL
VET STRATEGY
VIRBAC
VOLITION VETERINARY DIAGNOSTICS
DEVELOPMENT
WEDGEWOOD PHARMACY
WVC

HANDS-ON LAB

ANTECH DIAGNOSTICS
CEVA ANIMAL HEALTH
COVETRUS
DENTALAIRE
EYE CARE FOR ANIMALS
FUJIFILM SONOSITE, INC.
IM3, INC.
IMEX VETERINARY, INC.
INTRAUMA SPA
JORGENSEN LABORATORIES
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MIDMARK CORPORATION
MIDWEST VETERINARY SUPPLY
MILA INTERNATIONAL, INC.
SAMSUNG
SMITHS MEDICAL
SOUND
STERIS ANIMAL HEALTH
SURGITEL
UNIVERSAL IMAGING
VCA
VETERINARY ORTHOPEDIC IMPLANTS
VICTOR MEDICAL COMPANY
ZOETIS PETCARE

WITNESS THE SPECTACLE



**BLUE
MAN
GROUP**

OPENING CEREMONY EVENT WILL
ROCK YOUR WORLD
MONDAY, SEPTEMBER 6
6:30p & 9:00p

Pre-Registered Seating Required |
Limited Seats Available

**Must be 21 and over.*

Valid ID and WVC Badge required.

Presented by



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Text Hi to
855.666.2432
to get your questions
answered now.

Rover will walk you through step-by-
step. Type in keywords when prompted
to receive more information.



What Can Rover Answer?

- Find a location (maps)
- Registration
- Agenda
- Program Information
- WiFi Access
- Weather
- Special Events
- WVC-Connect App
- FAQs | Support
- Emergency Information
- Lost & Found
- Much More...

Scan the QR Code using
your mobile device.



Disclaimer - Engage with Rover the EventBot via SMS. Sign up to get your questions answered using text messaging.
Mobile numbers will be used for event information and emergency purposes.

ALUMNI RECEPTIONS & MEETINGS



TUESDAY, SEPTEMBER 7, 2021 Mandalay Bay

Connect with others from your alma mater and enjoy refreshments and interesting conversations with old and new friends.

7:00-9:00p

SCHOOL

University of Wisconsin-Madison

LOCATION

Mandalay Bay

ROOM, LEVEL

Border Grill

7:30-9:30p

SCHOOL

Iowa State University

Kansas State University

Oklahoma State University

Oregon State University,
Carlson College of Veterinary Medicine

Ross University

Tuskegee University

University of Illinois

University of Missouri

Western University of Health Sciences

LOCATION

Shopes at Mandalay Bay

Mandalay Bay

Mandalay Bay Hotel

Excalibur

Mandalay Bay CC

Mandalay Bay CC

Shoppes at Mandalay Bay

Delano

Mandalay Bay

ROOM, LEVEL

Hussong's Cantina

Border Grill

Hospitality Suite

Buca di Beppo

Breakers K, Level 2

Breakers F, Level 2

Ri Ra Irish Pub

Skyfall Lounge

House of Blues,
Foundation Room

Oklahoma State University: Check with Mandalay Bay front desk for suite location

Locations are subject to change.

Please check at the Viticus Group Information Booth on Level 1 or Level 2 for updated information.



VITICUS Group™

VITICUS GROUP | Annual Informational Meeting

Thursday, September 9

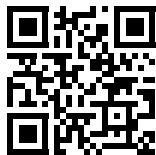
9:00-9:30a

Oceanside F, Level 2

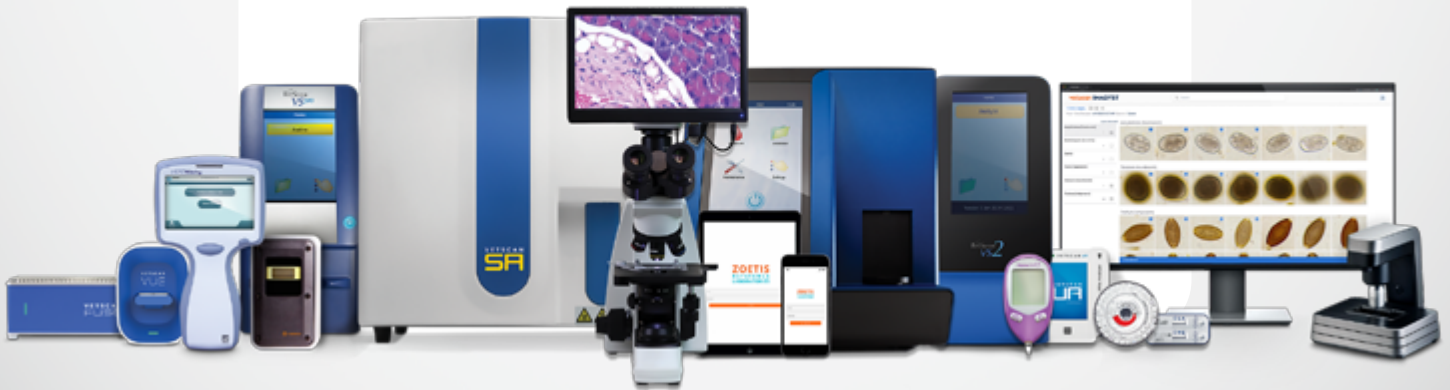
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Comprehensive diagnostic solutions and **innovative technology** that revolutionize testing at the point of care and in our reference laboratories.

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OR SCAN THE QR CODE
TO DEMO OUR DIAGNOSTIC SOLUTIONS



VISIT BOOTH 1737 OR EXPLORE OUR SOLUTIONS AT [ZOETISUS.COM/DX](https://zoetisus.com/dx)

zoetis

FOLLOW THE YELLOW BRICK ROAD Veterinary Technician Reception

TUESDAY, SEPTEMBER 7 | 6:30p

Exclusive to
Veterinary Technicians,
Assistants & Students*



Come party with your fellow veterinary technicians,
veterinary assistants & veterinary technician
students at the Veterinary Technician Reception!
With a live DJ and complimentary food & drinks, this
is a party you won't want to miss.



ALL REQUEST
DjG'

Inside The



Contemporary Hits, Underground House,
Old School Funk and anything in between.

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Banfield
PET HOSPITAL

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PETCARE

You're Invited!
Stay for more fun &
Party For A Purpose

See page 29 for more details.

**Must be 21 and over.
Valid ID and WVC Badge required.*



NEED A CHARGE

FIND A CHARGING STATION IN THESE LOCATIONS



LEVEL 1
LUGGAGE AREA
LIVING ROOM



LEVEL 1
WVC CENTRAL
INSIDE EXHIBIT HALL



LEVEL 2
RECHARGING AREA
MANDALAY BAY FOYER

GOING GREEN

REDUCING OUR FOOT PRINT FOR PAW PRINTS

Viticus Group is dedicated to reducing its ecological footprint. Together with our partners, Mandalay Bay Convention Center and Freeman, we utilize the following green initiatives for the WVC 93rd Annual Conference:

- We use recycled content for printing materials, lunch boxes, and giveaways. We also provide digital copies of the conference program.
- Water bottles and water stations throughout the Convention Center are reusable.
- All banquet coffee is organic and is certified by QAI (Quality Assurance International), which is a certification company authorized by the United States Department of Agriculture.
- All conference and exhibit hall paper and plastic waste will be recycled on site.
- Approximately 20% of power demand of the Mandalay Bay campus is serviced by solar panels.
- The primary lighting in the Convention Center is completely upgraded. Annually, this saves the amount of electricity it would take to power 369 US homes for a year.
- Mandalay Bay was given the highest possible rating, 5 Keys, in the Green Key Eco-Rating Program that evaluates properties based on their green operations.
- MGM Resorts International has partnered with Three Square Food Bank to collect leftover food and donate to Three Square, which uses this to feed some of the 279,000 people who struggle with food insecurity in Southern Nevada.



ENTERTAINMENT, FRIENDS & CHARITY

PARTY FOR



ALL IN ONE PARTY

Featuring
ALL REQUEST LIVE!

TUESDAY, SEPTEMBER 7 | 8:00p
Inside the House of Blues

Let's get the party started! Party for a Purpose—a fan favorite at the WVC Annual Conference—is a social event at the House of Blues that combines high-quality entertainment, complimentary food & beverages, and giving to a cause worth supporting.

This year, get ready to dance your heart out with one of the most impressive cover bands in Las Vegas, All Request Live. Just text in your song requests and you'll hear your favorites performed live for a customized, interactive experience!

All proceeds for this event are donated to the Kaua'i Humane Society, a Hawaii-based organization whose mission is to foster respect, responsibility, and compassion for all animals and enrich lives by nurturing healthy relationships between pets and people. Come by the House of Blues on Tuesday, September 7, from 8:00p to 11:00p to support a great cause and have some fun!

Free with registration

Must be 21 and over to enter.

Valid ID and WVC Badge required.

Benefiting



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PLAN AHEAD

Browse the latest program updates and create a schedule using the **MY Schedule** feature on the WVC Connect mobile app.

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Betty Chow, DVM, BVM&S, MRCVS, DACVIM
VCA Animal Specialty & Emergency Center,
Los Angeles, CA



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AT VCA ANIMAL HOSPITALS, WE CARE



Country Music Award Winner

Carly Pearce

MANDALAY BAY BEACH

Wednesday, September 8, 2021 • Concert begins at **8:30 pm**

Conference badge required for entry



LEARNING LOUNGE

Discover fast-paced presentations

Located in the Exhibit Hall, these bite-sized, intimate sessions allow you to learn about the latest innovations from a wide variety of companies. Each session is followed by a short Q&A.

View page 90-91 for session schedule.

EXHIBIT HALL | LEVEL 1

Learning Lounge Hours

Tuesday 9:30a-5:00p

Wednesday 9:30a-5:00p

Thursday 9:30a-1:30p



VET DETECTIVE DRAWING

THURSDAY, SEPTEMBER 9 | 1:30p

1st Prize \$2,000 | 2nd Prize \$1,000 | 3rd Prize \$500

Solve clues found throughout the show by scanning the QR code with your mobile device. Earn 1,000 points to be entered into the grand prize drawing. See Exhibit Tab for more details.

Sponsored by



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ScopioVet



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The road to itch relief felt like a long one, until Apoquel

Trusted for over 6 years, Apoquel® (oclacitinib tablet) has been prescribed to more than 8 million dogs in need of fast and effective allergic itch relief.¹⁻⁴

apoquel
(oclacitinib tablet)

FIRST CHOICE FOR FAST RELIEF

#1 in veterinarian and pet owner satisfaction^{5,6*}

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INDICATIONS: Control of pruritus (itching) associated with allergic dermatitis and control of atopic dermatitis in dogs at least 12 months of age.

IMPORTANT SAFETY INFORMATION: Do not use APOQUEL in dogs less than 12 months of age or those with serious infections. APOQUEL may increase the chances of developing serious infections, and may cause existing parasitic skin infestations or pre-existing cancers to get worse. Consider the risks and benefits of treatment in dogs with a history of recurrence of these conditions. New neoplastic conditions (benign and malignant) were observed in clinical studies and post-approval. APOQUEL has not been tested in dogs receiving some medications including some commonly used to treat skin conditions such as corticosteroids and cyclosporines. Do not use in breeding, pregnant, or lactating dogs. Most common side effects are vomiting and diarrhea. APOQUEL has been used safely with many common medications including parasiticides, antibiotics and vaccines.

See accompanying Brief Summary of Prescribing Information

*Based on survey data from veterinarians (n=250) and pet owners (n=150).

References: 1. Data on file, 2014-2018 Apoquel Brand Health, 2019, Zoetis Inc. 2. Data on file, Unique Patient Count from Launch, 2020, Zoetis Inc. 3. Gadeyne C, Little P, King VL, et al. Efficacy of oclacitinib (Apoquel®) compared with prednisolone for the control of pruritus and clinical signs associated with allergic dermatitis in client-owned dogs in Australia. *Vet Dermatol.* 2014;25(6):512-e86. doi:10.1111/vde.12166. 4. Cosgrove SB, Wren JA, Cleaver DM, et al. Efficacy and safety of oclacitinib for the control of pruritus and associated skin lesions in dogs with canine allergic dermatitis. *Vet Dermatol.* 2013;24(5):479-e114. doi:10.1111/vde.12047. 5. Data on file, Apoquel/CYTOPOINT Vet Tracker Wave 11, 2018, Zoetis Inc. 6. Data on file, Apoquel/CYTOPOINT Pet Tracker Wave 6, 2019, Zoetis Inc.

2 best-in-class options for allergic itch relief:

apoquel
(oclacitinib tablet)
FIRST CHOICE FOR FAST RELIEF

CYTOPOINT
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ZOETIS PETCARE

Brief Summary of full Prescribing Information

apoquel
(oclacitinib tablet)

3.6 mg 5.4 mg 16 mg

Immunomodulator

For oral use in dogs only

Caution: Federal (USA) Law restricts this drug to use by or on the order of a licensed veterinarian.

Indications: Control of pruritus associated with allergic dermatitis and control of atopic dermatitis in dogs at least 12 months of age.

Dosage and Administration: The dose of APOQUEL (oclacitinib maleate) tablets is 0.18 to 0.27 mg oclacitinib/lb (0.4 to 0.6 mg oclacitinib/kg) body weight, administered orally, twice daily for up to 14 days, and then administered once daily for maintenance therapy. APOQUEL may be administered with or without food.

Dosing Chart

Weight Range (in lb)		Weight Range (in Kg)		Number of Tablets to be Administered		
Low	High	Low	High	3.6 mg Tablets	5.4 mg Tablets	16 mg Tablets
6.6	9.9	3.0	4.4	0.5	-	-
10.0	14.9	4.5	5.9	-	0.5	-
15.0	19.9	6.0	8.9	1	-	-
20.0	29.9	9.0	13.4	-	1	-
30.0	44.9	13.5	19.9	-	-	0.5
45.0	59.9	20.0	26.9	-	2	-
60.0	89.9	27.0	39.9	-	-	1
90.0	129.9	40.0	54.9	-	-	1.5
130.0	175.9	55.0	80.0	-	-	2

Warnings:

APOQUEL is not for use in dogs less than 12 months of age (see **Animal Safety**).

APOQUEL modulates the immune system.

APOQUEL is not for use in dogs with serious infections.

APOQUEL may increase susceptibility to infection, including demodicosis, and exacerbation of neoplastic conditions (see **Precautions, Adverse Reactions, Post-Approval Experience and Animal Safety**).

New neoplastic conditions (benign and malignant) were observed in dogs treated with APOQUEL during clinical studies and have been reported in the post-approval period (see **Adverse Reactions and Post-Approval Experience**).

Consider the risks and benefits of treatment prior to initiating APOQUEL in dogs with a history of recurrent serious infections or recurrent demodicosis or neoplasia (see **Adverse Reactions, Post-Approval Experience, and Animal Safety**).

Keep APOQUEL in a secure location out of reach of dogs, cats, and other animals to prevent accidental ingestion or overdose.

Human Warnings:

This product is not for human use. Keep this and all drugs out of reach of children. For use in dogs only. Wash hands immediately after handling the tablets. In case of accidental eye contact, flush immediately with water or saline for at least 15 minutes and then seek medical attention. In case of accidental ingestion, seek medical attention immediately.

Precautions:

Dogs receiving APOQUEL should be monitored for the development of infections, including demodicosis, and neoplasia.

The use of APOQUEL has not been evaluated in combination with glucocorticoids, cyclosporine, or other systemic immunosuppressive agents.

APOQUEL is not for use in breeding dogs, or pregnant or lactating bitches.

Adverse Reactions:

Control of Atopic Dermatitis

In a masked field study to assess the effectiveness and safety of oclacitinib for the control of atopic dermatitis in dogs, 152 dogs treated with APOQUEL and 147 dogs treated with placebo (vehicle control) were evaluated for safety. The majority of dogs in the placebo group withdrew from the 112-day study by Day 16. Adverse reactions reported (and percent of dogs affected) during Days 0-16 included diarrhea (4.6% APOQUEL, 3.4% placebo), vomiting (3.9% APOQUEL, 4.1% placebo), anorexia (2.6% APOQUEL, 0% placebo), new cutaneous or subcutaneous lump (2.6% APOQUEL, 2.7% placebo), and lethargy (2.0% APOQUEL, 1.4% placebo). In most cases, diarrhea, vomiting, anorexia, and lethargy spontaneously resolved with continued dosing. Dogs on APOQUEL had decreased leukocytes (neutrophil, eosinophil, and monocyte counts) and serum globulin, and increased cholesterol and lipase compared to the placebo group but group means remained within the normal range. Mean lymphocyte counts were transiently increased at Day 14 in the APOQUEL group.

Dogs that withdrew from the masked field study could enter an unmasked study where all dogs received APOQUEL. Between the masked and unmasked study, 283 dogs received at least one dose of APOQUEL. Of these 283 dogs, two dogs were withdrawn from study due to suspected treatment-related adverse reactions: one dog that had an intense flare-up of dermatitis and severe secondary pyoderma after 19 days of APOQUEL administration, and one dog that developed

generalized demodicosis after 28 days of APOQUEL administration. Two other dogs on APOQUEL were withdrawn from study due to suspected or confirmed malignant neoplasia and subsequently euthanized, including one dog that developed signs associated with a heart base mass after 21 days of APOQUEL administration, and one dog that developed a Grade III mast cell tumor after 60 days of APOQUEL administration.

One of the 147 dogs in the placebo group developed a Grade I mast cell tumor and was withdrawn from the masked study. Additional dogs receiving APOQUEL were hospitalized for diagnosis and treatment of pneumonia (one dog), transient bloody vomiting and stool (one dog), and cystitis with urolithiasis (one dog).

In the 283 dogs that received APOQUEL, the following additional clinical signs were reported after beginning APOQUEL (percentage of dogs with at least one report of the clinical sign as a non-pre-existing finding): pyoderma (12.0%), non-specified dermal lumps (12.0%), otitis (9.9%), vomiting (9.2%), diarrhea (6.0%), histiocytoma (3.9%), cystitis (3.5%), anorexia (3.2%), lethargy (2.8%), yeast skin infections (2.5%), pododermatitis (2.5%), lipoma (2.1%), polydipsia (1.4%), lymphadenopathy (1.1%), nausea (1.1%), increased appetite (1.1%), aggression (1.1%), and weight loss (0.7).

Control of Pruritus Associated with Allergic Dermatitis

In a masked field study to assess the effectiveness and safety of oclacitinib for the control of pruritus associated with allergic dermatitis in dogs, 216 dogs treated with APOQUEL and 220 dogs treated with placebo (vehicle control) were evaluated for safety. During the 30-day study, there were no fatalities and no adverse reactions requiring hospital care. Adverse reactions reported (and percent of dogs affected) during Days 0-7 included diarrhea (2.3% APOQUEL, 0.9% placebo), vomiting (2.3% APOQUEL, 1.8% placebo), lethargy (1.8% APOQUEL, 1.4% placebo), anorexia (1.4% APOQUEL, 0% placebo), and polydipsia (1.4% APOQUEL, 0% placebo). In most of these cases, signs spontaneously resolved with continued dosing. Five APOQUEL group dogs were withdrawn from study because of: darkening areas of skin and fur (1 dog); diarrhea (1 dog); fever, lethargy and cystitis (1 dog); an inflamed footpad and vomiting (1 dog); and diarrhea, vomiting, and lethargy (1 dog). Dogs in the APOQUEL group had a slight decrease in mean white blood cell counts (neutrophil, eosinophil, and monocyte counts) that remained within the normal reference range. Mean lymphocyte count for dogs in the APOQUEL group increased at Day 7, but returned to pretreatment levels by study end without a break in APOQUEL administration. Serum cholesterol increased in 25% of APOQUEL group dogs, but mean cholesterol remained within the reference range.

Continuation Field Study

After completing APOQUEL field studies, 239 dogs enrolled in an unmasked (no placebo control), continuation therapy study receiving APOQUEL for an unrestricted period of time. Mean time on this study was 372 days (range 1 to 610 days). Of these 239 dogs, one dog developed demodicosis following 273 days of APOQUEL administration. One dog developed dermal pigmented viral plaques following 266 days of APOQUEL administration. One dog developed a moderately severe bronchopneumonia after 272 days of APOQUEL administration; this infection resolved with antimicrobial treatment and temporary discontinuation of APOQUEL. One dog was euthanized after developing abdominal ascites and pleural effusion of unknown etiology after 450 days of APOQUEL administration. Six dogs were euthanized because of suspected malignant neoplasms: including thoracic metastatic, abdominal metastatic, splenic, frontal sinus, and intracranial neoplasms, and transitional cell carcinoma after 17, 120, 175, 49, 141, and 286 days of APOQUEL administration, respectively. Two dogs each developed a Grade II mast cell tumor after 52 and 91 days of APOQUEL administration, respectively. One dog developed low grade B-cell lymphoma after 392 days of APOQUEL administration. Two dogs each developed an apocrine gland adenocarcinoma (one dermal, one anal sac) after approximately 210 and 320 days of APOQUEL administration, respectively. One dog developed a low grade oral spindle cell sarcoma after 320 days of APOQUEL administration.

Post-Approval Experience (2020):

The following adverse events are based on post-approval adverse drug experience reporting for APOQUEL. Not all adverse events are reported to FDA/CVM. It is not always possible to reliably estimate the adverse event frequency or establish a causal relationship to product exposure using these data.

The following adverse events reported in dogs are listed in decreasing order of reporting frequency.

Vomiting, lethargy, anorexia, diarrhea, elevated liver enzymes, dermatitis (i.e. crusts, pododermatitis, pyoderma), seizures, polydipsia, and demodicosis.

Benign, malignant, and unclassified neoplasms, dermal masses (including papillomas and histiocytomas), lymphoma and other cancers have been reported.

Death (including euthanasia) has been reported.

Contact Information:

To report suspected adverse events, for technical assistance or to obtain a copy of the Safety Data Sheet, contact Zoetis Inc. at 1-888-963-8471 or www.zoetis.com.

For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at www.fda.gov/reportanimalae.

Storage Conditions:

APOQUEL should be stored at controlled room temperature between 20° to 25°C (68° to 77°F) with excursions between 15° to 40°C (59° to 104°F).

How Supplied:

APOQUEL tablets contain 3.6 mg, 5.4 mg, or 16 mg of oclacitinib as oclacitinib maleate per tablet. Each strength tablets are packaged in 100 and 250 count bottles. Each tablet is scored and marked with AQ and either an S, M, or L that correspond to the different tablet strengths on both sides.

Approved by FDA under NADA # 141-345

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Bryden Stanley BVMS, MANZCVSc, MRCVS, MVetSc, DACVS
Michigan State University

Karen Stasiak MSN, DVM, MSc (CMID)
Zoetis Petcare

Christopher Stauthammer DVM, DACVIM (Cardiology)
University of Minnesota

Joerg Steiner DECVIM-CA, DACVIM (SAIM), MEDVET, DRMEDVET, PhD, AGAF
Texas A&M University

Tonya Stephens DVM, PhD, CVA
Trinity Veterinary Medical Center

Mark Stephenson DVM
LifeLearn Animal Health

Samuel Stewart DVM, DACVECC
Ethos Discovery

Rustin Sturgeon DVM, DACVO
Pathway Vets

Sarah Sweet DVM
IDEXX Laboratories

Jane Sykes BVSC (HONS), DACVIM (SAIM), PhD
UC Davis School of Veterinary Medicine

Craig Thompson DVM, DACVP
Purdue University

Daniel Thomson DVM, MS, PhD
Iowa State University

Lynel Tocci DVM, DACVECC
Self Employed

Caroline Tonozi DVM, DACVECC
University of Illinois at Urbana-Champaign

Bryan Torres DVM, PhD, DACVS-SA, DACVSRM
University of Missouri

Christina Tran DVM
Multicultural Veterinary Medical Association

Cindy Trice DVM
Relief Rover

Ann Trimmer DVM, DACVD
Animal Allergy & Dermatology Specialists

Chelsea Tripp DVM, MS, DACVIM (Oncology)
Bridge Animal Referral Center

Jarrod Troy DVM, DACVS-LA
Iowa State University

Shawn Tsuda MC, FACS
VIPSurg

David Twedt DVM, DACVIM (SAIM)
Colorado State University

Shelly Vaden DVM, PhD, DACVIM (SAIM)
North Carolina State University

Josh Vaisman MAPPCP, CCFP
Flourish Veterinary Consulting

Mary Ann Vande Linde DVM
Vande Linde & Associates

Jim Vander Mey CPA, ABI
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North American Veterinary Community

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PAW Consulting

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Janet (Jan) Woods
AskJanForHelp.com

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Adobe Animal Hospital

Nancy Zimmerman DVM, MS, DACVS-SA
Texas Tech University



ANTECH

Welcome to
WVC 2021

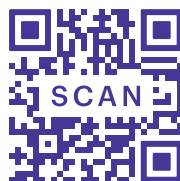


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INTRODUCING



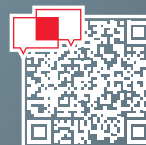
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CE CREDIT INFORMATION*

Full Conference Registration for Veterinarians with Labs	Up to 47 CE Hours*
Full Conference Registration for Veterinarians and Technicians without Labs	Up to 37 CE Hours*
One-day Conference	7-10 CE Hours

Each 50-minute lecture provides one hour of CE credit. Please check with your respective state regarding the acceptance of hours spent inside the Exhibit Hall for continuing education credit.

CE CREDIT BY DAY*

Sunday, September 5	8 CE Hours*
Monday, September 6	9 CE Hours* 7 CE Hours
Tuesday, September 7	10 CE Hours
Wednesday, September 8	10 CE Hours
Thursday, September 9	10 CE Hours

*Includes hours obtained by purchasing hands-on labs or workshops (additional fees apply)

SPECIAL DESIGNATION ICONS

Veterinarian	Veterinary Technician
Practice Manager	Veterinary Student
Pre-registration required Ticket encoded in badge	Power Hour
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Lunch included with session	Hands-on Lab
Workshop	Symposium

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Program current as of 8/5/21 Program subject to change.
Please visit viticusgroup.org/vwc-conference for most up-to-date information.

2021 EDUCATION Program & Guide

Participants must wear a conference badge at all times. Admission to education sessions is not allowed for guests and children under the age of 18. Guests who wish to attend educational program lectures must purchase an attendee badge. Use the following session number prefix guide to assist your navigation of the 2021 Education Program.

SESSION ID

SA Small Animal	S Symposium
EX Avian & Exotics	IS Industry Seminar
FA Food Animal	WS Workshop
EQ Equine	HO Hands-on Laboratory
VT Veterinary Technician	EL Learning Lounge
PM Practice Management	

CE CREDIT CALCULATIONS

25 minute sessions = 0.5 CE credit hour
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Email Education@Viticusgroup.org for more information.

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Ms. Shell Brewer
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Dr. Jerry Woodruff
Dr. Doug Yanik
Dr. Patricia Zahorecz
Ms. Patricia Zehna

MONDAY, SEPTEMBER 6

BEHAVIOR AM

LAGOON G, LEVEL 2

Moderator: Kimberly Franco

- ☐ 1 CE Hour
9:00-9:50a
Feline Enrichment: Essential Component for the Prevention & Treatment of Feline Behavior Problems [SA015](#)
Katherine Pankratz

- ☐ 1 CE Hour
10:00-10:50a
"Fix It Now!" Triaging & Safety Recommendations for Behavior Problems [SA016](#)
Katherine Pankratz

- ☐ 1 CE Hour
11:00-11:50a
Go Slow to Go Fast! Incorporate Humane Handling in Your Visits for More Cooperative Patients [SA017](#)
Katherine Pankratz

BEHAVIOR PM

SOUTH PACIFIC H, LEVEL 0

Moderator: Kathy Sarnelli

- ☐ 1 CE Hour
2:00-2:50p
"You Spin Me Right Round!" Understanding & Treating Compulsive Disorders [SA018](#)
Katherine Pankratz

CARDIOLOGY PM

LAGOON G, LEVEL 2

Moderator: Richard Edling

- ☐ 1 CE Hour
2:00-2:50p
Update on Canine Cardiomyopathies [SA019](#)
Matthew Miller

- ☐ 1 CE Hour
3:00-3:50p
Pericardial Diseases & Cardiac Tumors: Common & Overlooked [SA020](#)
Matthew Miller

- ☐ 1 CE Hour
4:00-4:50p
Pulmonary Hypertension: How Is It Recognized, Assessed & Treated? [SA021](#)
Matthew Miller

- ☐ 1 CE Hour
5:00-5:50p
Canine Heartworm Disease: From Simple to Complicated [SA022](#)
Matthew Miller

+DERMATOLOGY AM SYMPOSIUM

Ceva Dermatology Symposium

OCEANSIDE D, LEVEL 2

Moderator: Moderator TBA



- ☐ 1 CE Hour
9:00-9:50a
Fear Free Dermatology: Exams That Won't Make Your Patient's Skin Crawl [S21A](#)
Brittany Lancellotti

- ☐ 1 CE Hour
10:00-10:50a
Better Skincare Is at Your Fingertips. Breakthrough Dermatological Innovation Is Improving Outcomes & Increasing Compliance I [S21B](#)
Chiara Noli

- ☐ 1 CE Hour
11:00-11:50a
Better Skincare Is at Your Fingertips. Breakthrough Dermatological Innovation Is Improving Outcomes & Increasing Compliance II [S21C](#)
Tim Nuttall

DERMATOLOGY AM & PM

SOUTH PACIFIC E, LEVEL 0

Moderator: Edward Holton

- ☐ 1 CE Hour
9:00-9:50a
Parasitic Skin Disease, Still a Problem [SA065](#)
Galia Sheinberg

- ☐ 1 CE Hour
10:00-10:50a
Nutrition in the Dermatology Consult [SA066](#)
Galia Sheinberg

- ☐ 1 CE Hour
11:00-11:50a
Dermatologic Consult 1.0 Basic Strategies for Success [SA067](#)
Galia Sheinberg

- ☐ 1 CE Hour
2:00-2:50p
How to Get the Most from Skin Biopsies [SA060](#)
Wayne Rosenkrantz

- ☐ 1 CE Hour
3:00-3:50p
Topical Tips for Pyoderma [SA061](#)
Wayne Rosenkrantz

- ☐ 1 CE Hour
4:00-4:50p
Refractory Immune Mediated Skin Disease: Using Multiple Drugs [SA062](#)
Wayne Rosenkrantz

- ☐ 1 CE Hour
5:00-5:50p
Multimodal Therapy for Severe Atopic Dermatitis [SA063](#)
Wayne Rosenkrantz

+DERMATOLOGY, NEUROLOGY, PAIN MANAGEMENT, PHARMACOLOGY, PRACTICE MANAGEMENT AM & PM SYMPOSIUM

Pain Management Symposium for
Veterinarians: Advanced Techniques
& Methods Using CBD+CBDA for
Treating Pain & Immobility



OCEANSIDE B, LEVEL 2

Moderator: Amanda Howland,
Gabriella Rosa

☐ 1 CE Hour

11:00-11:50a

Street Medicine: Lessons Learned from
the Road **S14A**

Joseph Wakshlag

☐ 1 CE Hour

2:00-2:50p

Hemp Use in Veterinary Medicine:
Lessons Learned from Quality Control
& Pharmacokinetics **S14BP**

Lindsay Elam, Joseph Wakshlag

☐ 1 CE Hour

3:00-3:50p

CBD-rich Hemp Extracts & Pain
Management: Focus on Canine
Osteoarthritis **S14CP**

Michael Petty, Joseph Wakshlag

☐ 1 CE Hour

4:00-4:50p

CBD & Hemp in Management of the
Seizures & Neurological Disorders
S14D

Joseph Wakshlag

☐ 1 CE Hour

5:00-5:50p

CBD-rich Hemp Extracts & The Immune
System: Focus on Atopic Dermatitis
S14E

Joseph Wakshlag

+DIAGNOSTICS PM SYMPOSIUM

Discover How AI Technology
Is Enhancing Diagnostics

OCEANSIDE C, LEVEL 2

Moderator: Richard Goldstein, Cory Penn

ZOETIS PETCARE

☐ 1 CE Hour

2:00-2:50p

The Scoop on Poop: AI Technology
Automates Efficiency & Expertise with
In-Hospital Testing **S11AP**

Yoko Nagamori, Cory Penn

☐ 1 CE Hour

3:00-3:50p

Digital Cytopathology: Real-time Expert
Help in Your Everyday Practice **S11BP**

Sarah Barrett, Richard Goldstein

☐ 1 CE Hour

4:00-4:50p

Break the Pet-Parasite Cycle: The
Connection Between Prevention &
Screening **S11CP**

Chris Adolph, Robert Gribble

EMERGENCY & CRITICAL CARE AM & PM

MANDALAY BAY L, LEVEL 2

Moderator: Martin Mathis, Arlett Montoya

☐ 1 CE Hour

9:00-9:50a

How to Prepare for Referral to the ER
SA087

Tonya Stephens

☐ 1 CE Hour

10:00-10:50a

The Acute Abdomen **SA088**

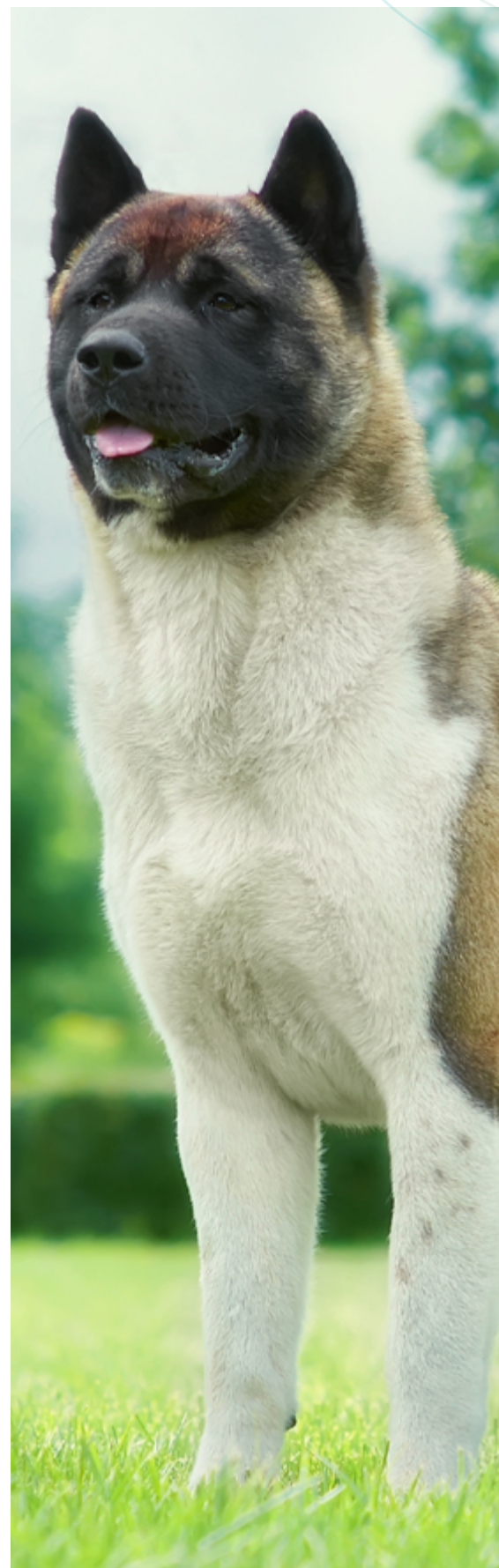
Tonya Stephens

☐ 1 CE Hour

11:00-11:50a

Triage & Making Your Hospital ER Ready
SA089

Caroline Tonozzi



☐1 CE Hour
2:00-2:50p
 My Approach to Trauma [SA090](#)
Caroline Tonozzi

☐1 CE Hour
3:00-3:50p
 The Ins & Outs of Tubes & Drains [SA091](#)
Nancy Zimmerman

☐1 CE Hour
4:00-4:50p
 How to Keep Your BLUE Patient From Getting You Down: What to Do When a Respiratory Patient Presents to your Clinic [SA092](#)
Lynel Tocci

☐1 CE Hour
5:00-5:50p
 Keep CALM & STOP the Bleeding: My Approach to the Bleeding Patient [SA093](#)
Lynel Tocci

ENDOCRINOLOGY PM

LAGOON H, LEVEL 2
 Moderator: Kimberly Franco

☐1 CE Hour
2:00-2:50p
 Those Crazy Cats: The Clinical Approach to the Difficult Hyperthyroid Cat [SA107](#)
Cynthia Ward

☐1 CE Hour
3:00-3:50p
 Updates on the Management of Feline Hyperthyroidism [SA108](#)
Cynthia Ward

☐1 CE Hour
4:00-4:50p
 How I Diagnose & Treat Thyroid Disease in Dogs [SA109](#)
Cynthia Ward

☐1 CE Hour
5:00-5:50p
 The Challenge of the Cushingoid Diabetic Dog [SA110](#)
Cynthia Ward

FELINE MEDICINE AM

LAGOON J, LEVEL 2
 Moderator: Karl Jernstedt

☐1 CE Hour
9:00-9:50a
 The Diabetic Cat: Don't Let It Get the Best of You, Part I [SA127](#)
Gary Norsworthy

☐1 CE Hour
10:00-10:50a
 The Diabetic Cat: Don't Let It Get the Best of You, Part II [SA128](#)
Gary Norsworthy

☐1 CE Hour
11:00-11:50a
 The Vomiting Cat: Part I [SA129](#)
Gary Norsworthy

FELINE MEDICINE PM

MANDALAY BAY D, LEVEL 2
 Moderator: Leejoan Ma

☐1 CE Hour
2:00-2:50p
 The Vomiting Cat: Part II [SA130](#)
Gary Norsworthy

GASTROENTEROLOGY AM

SOUTH PACIFIC H, LEVEL 0
 Moderator: Kathy Sarnelli

☐1 CE Hour
10:00-10:50a
 Rational Approach to Dogs & Cats with Refractory Diarrhea / Part I [SA131](#)
Stanley Marks

☐1 CE Hour
11:00-11:50a
 Rational Approach to Dogs & Cats with Refractory Diarrhea / Part II [SA132](#)
Stanley Marks

IMAGING PM

LAGOON J, LEVEL 2
 Moderator: Karl Jernstedt

☐1 CE Hour
2:00-2:50p
 Radiographic Evaluation of the Vomiting Dog & Cat [SA163](#)
Matthew Winter

☐1 CE Hour
3:00-3:50p
 Ultrasonographic Evaluation of the Vomiting Dog & Cat [SA164](#)
Matthew Winter

☐1 CE Hour
4:00-4:50p
 Computed Tomography of the Abdomen: The Next Step in Abdominal Imaging [SA165](#)
Matthew Winter

☐1 CE Hour
5:00-5:50p
 Radiographic Evaluation of the Limping Puppy [SA166](#)
Matthew Winter

NEUROLOGY AM & PM

SOUTH PACIFIC F, LEVEL 0
 Moderator: Leejoan Ma, Amy Mason

☐1 CE Hour
10:00-10:50a
 Hands Off Neurology: Gait & Posture Hold the Keys [SA207](#)
Sarah Moore

☐1 CE Hour
11:00-11:50a
 Make New Friends but Keep the Old: A Case-based Review of Anticonvulsant Therapies [SA208](#)
Sarah Moore

☐1 CE Hour
2:00-2:50p
 Managing the Difficult Epileptic: Tips & Tricks [SA209](#)
Sarah Moore

□1 CE Hour
3:00-3:50p
Neurologic Episodes: When It's Not a Seizure [SA210](#)
Sarah Moore

□1 CE Hour
4:00-4:50p
The "Back Dog": When to Worry It's Not a Disc [SA211](#)
Sarah Moore

□1 CE Hour
5:00-5:50p
Once Seen, Never Forgotten: Interesting Cases in Medical Neurology [SA212](#)
Sarah Moore

+NUTRITION PM SYMPOSIUM **Purina® Pro Plan® Veterinary Diets Symposium**

OCEANSIDE D, LEVEL 2
Moderator: Emily Cross



□1 CE Hour
2:00-2:50p
Food Reactions: Two Dermatologists Views on Fact, Fiction & Science Fiction - Part 1 [S29AP](#)
Craig Griffin, Galia Sheinberg

□1 CE Hour
3:00-3:50p
Food Reactions: Two Dermatologists Views on Fact, Fiction & Science Fiction - Part 2 [S29BP](#)
Craig Griffin, Galia Sheinberg

□1 CE Hour
4:00-4:50p
Canine Chronic Enteropathy: Clinical Pearls for Optimizing Diagnosis & Management [S29C](#)
Stanley Marks

□1 CE Hour
5:00-5:50p
Diet as Therapy for Canine Chronic Enteropathy: Why & How? [S29D](#)
Alison Manchester

PAIN MANAGEMENT AM & PM

SOUTH PACIFIC J, LEVEL 0
Moderator: Michael Pedersen, Peter Perron

□1 CE Hour
10:00-10:50a
Update on Those "Other" Pain Drugs: Oral Medications I [SA253](#)
Mark Epstein

□1 CE Hour
11:00-11:50a
Update on Those "Other" Pain Drugs: Oral Medications II [SA254](#)
Mark Epstein

□1 CE Hour
2:00-2:50p
Update on Those "Other" Pain Drugs: Parenteral Medications [SA255](#)
Mark Epstein

□1 CE Hour
3:00-3:50p
Local & Regional Anesthesia: Concept to Clinic for Every Practice I [SA256](#)
Mark Epstein

□1 CE Hour
4:00-4:50p
Local & Regional Anesthesia: Concept to Clinic for Every Practice II [SA257](#)
Mark Epstein

□1 CE Hour
5:00-5:50p
Focus on Felines: Updates on Acute & Chronic Pain Management in the Cat [SA258](#)
Mark Epstein

UROLOGY / NEPHROLOGY PM

SOUTH PACIFIC D, LEVEL 0
Moderator: April Mathis

□1 CE Hour
2:00-2:50p
Chronic Kidney Disease 1: Diagnosis, Staging & Prognosis [SA341](#)
Shelly Vaden

□1 CE Hour
3:00-3:50p
Chronic Kidney Disease 2: Nutrition, Secondary Mineral Disorders & Gastrointestinal Disorders [SA342](#)
Shelly Vaden

□1 CE Hour
4:00-4:50p
Chronic Kidney Disease 3: Proteinuria, Hypertension & Anemia [SA343](#)
Shelly Vaden

□1 CE Hour
5:00-5:50p
Focus on Glomerular Disease [SA344](#)
Shelly Vaden

TUESDAY, SEPTEMBER 7

ANESTHESIA AM

INDUSTRY BREAKFAST SEMINAR

OCEANSIDE D, LEVEL 2

Moderator: Sharon Campbell

ZOETIS PETCARE

□1 CE Hour

6:30-7:30a

The Power of Preamnesthetics [IS01](#)
Tamara Grubb

ANESTHESIA AM & PM

SOUTH PACIFIC E, LEVEL 0

Moderator: Meghan Burns

□1 CE Hour

8:00-8:50a

Reducing Fear, Anxiety & Stress in Anesthesia Benefits Everyone [SA001](#)
Ralph Harvey

□1 CE Hour

9:00-9:50a

Anesthesia for Patients Too Sick for Anesthesia: They Probably Aren't [SA002](#)
Ralph Harvey

□1 CE Hour

10:35-11:25a

What to Worry About & How to Fix It: Crisis Management in Anesthesia [SA003](#)
Ralph Harvey

□1 CE Hour

11:35a-12:25p

Senior Pet Anesthesia & Periop Management: Not Too Old [SA004](#)
Ralph Harvey

□1 CE Hour

2:00-2:50p

AAHA Anesthesia & Related Guidelines Benefit Your Practice [SA005](#)
Ralph Harvey

□1 CE Hour

3:00-3:50p

A Revolution in Anesthetic Techniques: More Locals, Less Opioids, Lower Inhalants [SA006](#)
Ralph Harvey

BEHAVIOR PM

SOUTH PACIFIC F, LEVEL 0

Moderator: Mikki Cook

□1 CE Hour

2:00-2:50p

Feline Housesoiling: Who Says It Is Inappropriate? [SA007](#)
Margaret Gruen

□1 CE Hour

3:00-3:50p

Is It Medical or Behavioral: What Is Wrong with That Cat? [SA008](#)
Margaret Gruen

□1 CE Hour

4:35-5:25p

Common Behavior Problems in Cats: A Case-based Approach [SA009](#)
Margaret Gruen

□1 CE Hour

5:35-6:25p

Behavior & The Senior Cat [SA010](#)
Margaret Gruen

CARDIOLOGY AM & PM

SOUTH PACIFIC J, LEVEL 0

Moderator: Richard Edling, Martin Mathis

□1 CE Hour

8:00-8:50a

Update on Feline Cardiomyopathies [SA023](#)
John Bonagura

□1 CE Hour

9:00-9:50a

Case Studies in Feline Cardiology [SA029](#)
Jaylyn Rhinehart

□1 CE Hour

10:35-11:25a

Treating Chronic Valvular Heart Disease in Dogs [SA024](#)
John Bonagura

□1 CE Hour

11:35a-12:25p

ECG Reading Session: What's Your Diagnosis? [SA027](#)
Jaylyn Rhinehart

□1 CE Hour

2:00-2:50p

Fainting Dogs & Cats: Causes & Diagnostic Approach [SA030](#)
Jaylyn Rhinehart

□1 CE Hour

3:00-3:50p

Echo 101: How to Interpret & Measure an Echocardiogram [SA025](#)
John Bonagura

□1 CE Hour

4:35-5:25p

Echocardiography Reading Session: What's Your Diagnosis? [SA026](#)
John Bonagura

□1 CE Hour

5:35-6:25p

Case Studies in Canine Cardiology [SA028](#)
Jaylyn Rhinehart

+CARDIOLOGY, ENDOCRINOLOGY, NEPHROLOGY AM & PM SYMPOSIUM

Therapeutics Symposium

MANDALAY BAY H, LEVEL 2

Moderator: Moderator TBA



□1 CE Hour

8:00-8:50a

Insulin Treatment of Diabetes Mellitus: Update on Monitoring in Dogs & Cats [S22A](#)
J. Catharine Scott-Moncrieff

1 CE Hour

9:00-9:50a

It's Sweet: A Case-based Approach Part 1 [S22B](#)
Cynthia Ward

1 CE Hour

10:35-11:25a

It's Sweet: A Case-based Approach Part 2 [S22C](#)
Cynthia Ward

1 CE Hour

11:35a-12:25p

Standard Therapy for Canine Glomerular Disease [S22D](#)
Shelly Vaden

1 CE Hour

2:00-2:50p

Get with the New ACVIM Guidelines: Management of Chronic Valvular Disease in 2021 [S22E](#)
Sonya Gordon

1 CE Hour

3:00-3:50p

Updates on the Staging & Management of Mitral Valve Disease in Dogs [S22F](#)
Brian Scansen

+CLINICAL PATHOLOGY, PAIN MANAGEMENT, REGENERATIVE THERAPY AM SYMPOSIUM

Companion Animal Health Symposium

OCEANSIDE B, LEVEL 2

Moderator: Moderator TBA



1 CE Hour

8:00-8:50a

New Innovative Treatment Using Laser & Gold Nanoparticles to Treat Low-Grade Mast Cell Tumors [S35A](#)
Chelsea Tripp

1 CE Hour

9:00-9:50a

I Want a Cytology - STAT! [S35B](#)
Andrew Rosenfeld

1 CE Hour

10:35-11:25a

How to Incorporate Platelet Rich Plasma (PRP) into Your Practice [S35C](#)
Sherman Canapp

1 CE Hour

11:35a-12:25p

Multimodal Approach to Pain Management: A Rehabilitation Approach [S35D](#)
Michael Petty

CLINICAL PATHOLOGY PM

BREAKERS H, LEVEL 2

Moderator: Emma Scott

1 CE Hour

3:00-3:50p

Body's Trashcan...A Look at the Liver [SA031](#)
Craig Thompson

1 CE Hour

4:35-5:25p

Casting the Net: Why Routine Laboratory Screening Is so Important & What You're Missing [SA032](#)
Craig Thompson

1 CE Hour

5:35-6:25p

Cytologic Diagnoses that Every Practitioner Should be Able to Make [SA033](#)
Craig Thompson

DENTISTRY PM

SOUTH PACIFIC H, LEVEL 0

Moderator: Peter Perron

1 CE Hour

2:00-2:50p

Periodontal Disease I: Making the Correct Diagnosis & What Equipment / Instruments Do I Need to Treat Successfully? [SA041](#)
Christopher Snyder

1 CE Hour

3:00-3:50p

Periodontal Disease II: From the Basic to the Advanced, Periodontal Procedures to Prevent Toothanasia [SA042](#)
Christopher Snyder

DENTISTRY PM

REEF, LEVEL 2

Moderator: Amy Lynn Joynt

1 CE Hour

4:35-5:25p

Oral Tumors: Conversions with Us, You & Your Clients: A Case-based Review of Oral Cancer with an Oncologist & Dentist [SA043P](#)
Sue Ettinger, Christopher Snyder

DENTISTRY PM

MANDALAY BAY H, LEVEL 2

Moderator: Peter Perron

1 CE Hour

5:35-6:25p

Regional Anesthesia for Painful Procedures: Ask Yourself, Would YOU Want Oral Surgery Without Pain Management? [SA044](#)
Christopher Snyder

DERMATOLOGY AM

SOUTH PACIFIC F, LEVEL 0

Moderator: Karl Jernstedt

1 CE Hour

8:00-8:50a

Managing Adrenal Disease: The Dermatologist's Perspective [SA064](#)
Wayne Rosenkrantz

1 CE Hour

11:35a-12:25p

Managing Owner Expectations in the Allergic Patient [SA068](#)
Galia Sheinberg

+DERMATOLOGY AM

SYMPOSIUM

Real World Dermatology: Expert Insights for Everyday Practice

OCEANSIDE C, LEVEL 2

Moderator: Andrew Hillier

ZOETIS PETCARE

□1 CE Hour

8:00-8:50a

Be a Derm Detective: Choosing the Right Therapy & Avoiding Pitfalls. A Case-based Approach to the Itchy Allergic Dog [S09AP](#)
Ashley Bourgeois

□1 CE Hour

9:00-9:50a

Did You Know? New Information for Treatment of Canine Allergic Dermatitis [S09B](#)
Lindsay McKay

□1 CE Hour

10:35-11:25a

When Itch Is Not an Allergy: Allergy Imitators & Clues for Diagnosis [S09C](#)
Ann Trimmer

DERMATOLOGY PM

MANDALAY BAY B, LEVEL 2

Moderator: Ann Bastian

□1 CE Hour

2:00-2:50p

Non-responsive Pruritic Cats: Now What? [SA069](#)
Galia Sheinberg

□1 CE Hour

3:00-3:50p

Getting the Most from Derm Shampoos [SA057](#)
Craig Griffin

□1 CE Hour

4:35-5:25p

Problem Noses, Now What? [SA058](#)
Craig Griffin

□1 CE Hour

5:35-6:25p

How to Get Success with Diet Trials [SA059](#)
Craig Griffin

ENDOCRINOLOGY PM

MANDALAY BAY F, LEVEL 2

Moderator: Edward Holton

□1 CE Hour

4:35-5:25p

Insulin Therapy: So Many Choices, So Little Time [SA111](#)
Cynthia Ward

□1 CE Hour

5:35-6:25p

Interstitial Glucose Monitoring for Diabetes Mellitus in Dogs & Cats [SA112](#)
Cynthia Ward

FELINE MEDICINE AM

MANDALAY BAY B, LEVEL 2

Moderator: Amy Lynn Joynt

□1 CE Hour

8:00-8:50a

Managing Osteoarthritis Pain in Cats: Tips, Techniques, & Tools for Clinicians [SA119](#)
Elizabeth Collieran

□1 CE Hour

9:00-9:50a

The Role of Stress in Feline Illness: Uniqueness of the Mesopredator [SA120](#)
Elizabeth Collieran

FELINE MEDICINE AM

REEF, LEVEL 2

Moderator: Amy Lynn Joynt

□1 CE Hour

10:35-11:25a

Quality of Life from the Cat's Point of View: In Clinic & in the Home [SA121](#)
Elizabeth Collieran

□1 CE Hour

11:35a-12:25p

FIP in 2021: Groundbreaking News & New Research [SA122](#)
Elizabeth Collieran

FELINE MEDICINE PM

OCEANSIDE B, LEVEL 2

Moderator: April Mathis

□1 CE Hour

2:00-2:50p

Purrfecting Your Detective Skills: Diagnosing Osteoarthritis in Cats [SA123](#)
Sheilah Robertson

□1 CE Hour

3:00-3:50p

You Can be a Hero: What's New in the Feline Pain Management Toolbox? [SA124](#)
Sheilah Robertson

□1 CE Hour

4:35-5:25p

The Truth about Anesthetic Accidents: We Can Prevent Them! [SA125](#)
Sheilah Robertson

□1 CE Hour

5:35-6:25p

Master the Art of the Last Appointment: Top Tips for Feline Euthanasia [SA126](#)
Sheilah Robertson

GASTROENTEROLOGY PM

MANDALAY BAY J, LEVEL 2

Moderator: Arlett Montoya

□1 CE Hour

2:00-2:50p

Antibiotic Responsive Diarrhea: Ever Diminishing Returns [SA133](#)
Stanley Marks

□1 CE Hour

3:00-3:50p

Swallowing Disorders in the Dog: More Common Than You Think! [SA134](#)
Stanley Marks

□1 CE Hour

4:35-5:25p

Dietary Management of Chronic Enteropathy in Dogs & Cats [SA135](#)
Stanley Marks

□1 CE Hour

5:35-6:25p

Rational Use of Acid Suppressants in Dogs & Cats [SA136](#)
Stanley Marks

+GERIATRICS AM SYMPOSIUM

The Art of Hospice & Euthanasia

SOUTH PACIFIC D, LEVEL D

Moderator: Moderator TBD



□1 CE Hour

8:00-8:50a

The Art & Science of the Euthanasia Experience I [S34C](#)
Mary Gardner

□1 CE Hour

9:00-9:50a

The Art & Science of the Euthanasia Experience II [S34D](#)
Mary Gardner

□1 CE Hour

10:35-11:25a

Home Hacks for Managing the Top Ailments for Geriatric Pets [S34A](#)
Mary Gardner

□1 CE Hour

11:35a-12:25p

Helping Owners Assess Quality of Life [S34B](#)
Mary Gardner

HOSPICE CARE AM & PM

LAGOON G, LEVEL 2

Moderator: Julianne Goldstein



□1 CE Hour

10:35-11:25a

Retain Clients by Offering Animal Hospice Services [SA155](#)
Kathleen Cooney

□1 CE Hour

11:35a-12:25p

What Clients Expect of Us as Their Pet Reaches the End of Life [SA156](#)
Kathleen Cooney

□1 CE Hour

2:00-2:50p

Test Your Euthanasia Know-How [SA157](#)
Kathleen Cooney

□1 CE Hour

3:00-3:50p

Modernizing Our Approach to Euthanasia: Companion Animals (With special focus on lessons learned from COVID 19) [SA158](#)
Kathleen Cooney

□1 CE Hour

4:35-5:25p

Controlled Drug Use in Mobile Hospice & Euthanasia Work: Hint...It's Complicated but Doable [SA159](#)
Kathleen Cooney

□1 CE Hour

5:35-6:25p

Adding Post-death Services to Your Practice: Special Highlight on Water-based Cremation [SA160](#)
Kathleen Cooney

IMAGING AM & PM

LAGOON J, LEVEL 2

Moderator: Dior de Moraes

□1 CE Hour

8:00-8:50a

How to Recognize Left-sided Cardiac Failure in Thoracic Radiographs of Cats: Is It Similar to Dogs? [SA167](#)
Robson Giglio

□1 CE Hour

9:00-9:50a

Radiographic Approach to Differentiate Aggressive vs Non-aggressive Osseous Lesions in Dogs & Cats: Review of the Basics & Challenging Cases [SA168](#)
Robson Giglio

□1 CE Hour

10:35-11:25a

Tips to Plan, Perform & QC Radiographs in Birds & Reptiles [SA169](#)
Robson Giglio

□1 CE Hour

11:35a-12:25p

5 Common Diseases We See in Avian & Reptile Radiographs: How to Recognize Them [SA170](#)
Robson Giglio

□1 CE Hour

2:00-2:50p

Emergency Thoracic Radiography [SA171](#)
Elizabeth Huynh

□1 CE Hour

3:00-3:50p

Emergency Abdominal Radiography [SA172](#)
Elizabeth Huynh

□1 CE Hour

4:35-5:25p

Emergency Thoracic Ultrasonography with an Emphasis on TFAST [SA173](#)
Elizabeth Huynh

□1 CE Hour

5:35-6:25p

Emergency Abdominal Ultrasonography with an Emphasis on AFAST [SA174](#)
Elizabeth Huynh

+INFECTIOUS DISEASE AM SYMPOSIUM

Infectious Disease Symposium

OCEANSIDE D, LEVEL 2

Moderator: Karen Stasiak



☐1 CE Hour

8:00-8:50a

Ticks Are in the Wild, West! What Is the Risk of Disease? [S10A](#)

Linda Kidd

☐1 CE Hour

9:00-9:50a

Leveraging Antibodies in the Fight Against Lyme [S10B](#)

Richard Marconi

☐1 CE Hour

10:35-11:25a

Getting Out of the Box: Fresh Thoughts on Infection Prevention Protocols for Cats [S10C](#)

Michael Lappin

+NEPHROLOGY AM

LAGOON H, LEVEL 2

Moderator: Jennifer Ogeer



☐1 CE Hour

CKD: You Don't Know Me: Prediction, Diagnosis & Nutritional Management I

Adrienne Bautista, Jennifer Lopez

☐1 CE Hour

11:35a-12:25p

CKD: You Don't Know Me: Prediction, Diagnosis & Nutritional Management II

Adrienne Bautista, Jennifer Lopez

+OTOLOGY, PAIN MANAGEMENT, PHARMACOLOGY PM SYMPOSIUM

Otology & Pain Management Symposium

MANDALAY BAY L, LEVEL 2

Moderator: Moderator TBA



☐1 CE Hour

2:00-2:50p

Cyclosporine's Place in the Age of IL-31 Inhibitors [S06A](#)

Darren Berger

☐1 CE Hour

3:00-3:50p

Otitis Externa: Five Common Reasons Treatments Fail [S06B](#)

Darren Berger

☐1 CE Hour

4:35-5:25p

Perioperative Pain Management - How I Utilize Liposome Encapsulated Bupivacaine to Optimize Outcomes [S06C](#)

Caleb Hudson

☐1 CE Hour

5:35-6:25p

NOCITA®: A "Local" Celebration for Dogs & Cats in the Postoperative Period. Effective Analgesia - A Smooth & Safe Recovery [S06D](#)

Donna Sisak

+NEPHROLOGY PM SYMPOSIUM

IDEXX: Case-based Learning

LAGOON G, LEVEL 2

Moderator: Julianne Goldstein



OCEANSIDE C, LEVEL 2

Moderator: Moderator TBD

☐1 CE Hour

2:00-2:50p

Liver la Vida Loca: When & How to Use Serum Bile Acids for the Diagnosis of Hepatobiliary Disease [S41A](#)

Jorg Steiner

☐1 CE Hour

4:35-5:25p

Liver la Vida Loca: Diagnosis & Management of Chronic Hepatic Disease in Dogs [S41C](#)

Jorg Steiner

NUTRITION AM

LAGOON G, LEVEL 2

Moderator: Julianne Goldstein

☐1 CE Hour

8:00-8:50a

Nutrition Basics 101: Everything Dr. Google Didn't Learn in Vet School! [SA219](#)

Valerie Parker

☐1 CE Hour

9:00-9:50a

Carbohydrates, Fiber, & Protein, Oh My! Navigating Nutritional Management of Diabetes [SA220](#)

Valerie Parker

NUTRITION PM

LAGOON H, LEVEL 2

Moderator: Joan Winter

□1 CE Hour

2:00-2:50p

The Use & Misuse of Liver Diets: How to Get It Right! [SA221](#)

Valerie Parker

□1 CE Hour

3:00-3:50p

Complex Cases Got You Down? Simplifying Nutritional Management of Comorbid Patients [SA222](#)

Valerie Parker

□1 CE Hour

4:35-5:25p

Patients Won't Eat? Addressing Inappetence in Dogs & Cats [SA223](#)

Valerie Parker

□1 CE Hour

5:35-6:25p

Struggling to Shed the Pounds? Tips for Common Obesity Management Challenges [SA224](#)

Valerie Parker

+NUTRITION PM SYMPOSIUM

Virbac Symposium

MANDALAY BAY F, LEVEL 2

Moderator: Staci Scolavino



□1 CE Hour

2:00-2:50p

Spay & Neuter: Change Their Body, Change Their Diet [S17A](#)

Donna Raditic

□1 CE Hour

3:00-3:50p

My Big Fat Pet Makeovers [S17B](#)

Laura Gaylord

+ONCOLOGY AM SYMPOSIUM

What's New in Cancer 2021

OCEANSIDE D, LEVEL 2

Moderator: Moderator TBA



□1 CE Hour

11:35a-12:25p

What's New in Cancer 2021 [S38](#)

Sue Ettinger

ONCOLOGY PM

REEF, LEVEL 2

Moderator: Amy Lynn Joynt

□1 CE Hour

2:00-2:50p

Canine Lymphoma 2021 for the Busy Practitioner [SA225](#)

Sue Ettinger

□1 CE Hour

3:00-3:50p

Feline Gastrointestinal Lymphoma 2021 for the Busy Practitioner [SA226](#)

Sue Ettinger

□1 CE Hour

5:35-6:25p

What's New in MCT Treatments 2021 [SA227](#)

Sue Ettinger

OTOLOGY AM

SOUTH PACIFIC H, LEVEL 0

Moderator: Deborah Langford

□1 CE Hour

8:00-8:50a

Structure & Function of the Ear: What Practitioners Really Need to Know [SA245](#)

James Noxon

□1 CE Hour

9:00-9:50a

Clinical Consensus Statements for Diagnosis & Management of Otitis Externa I [SA246](#)

James Noxon

□1 CE Hour

10:35-11:25a

Clinical Consensus Statements for Diagnosis & Management of Otitis Externa II [SA247](#)

James Noxon

□1 CE Hour

11:35a-12:25p

Choosing Wisely: Practical Application of Guidelines for Selecting Treatment for Otitis [SA248](#)

James Noxon

OTOLOGY PM

SOUTH PACIFIC E, LEVEL 0

Moderator: Meghan Burns

□1 CE Hour

4:35-5:25p

From Tip to Tympanum: How to Perform an Ear Exam [SA249](#)

Ashley Bourgeois

□1 CE Hour

5:35-6:35p

How to be Successful with Ear Flush [SA250](#)

Ashley Bourgeois

+PAIN MANAGEMENT AM SYMPOSIUM

IVAPM Pain Management Symposium for Veterinarians

MANDALAY BAY L, LEVEL 2

Moderator: Moderator TBA



□1 CE Hour

8:00-8:50a

Management of Chronic Pre-op Pain & Adjusting Protocols for Post-op Care [S04A](#)

Mark Epstein

☐ 1 CE Hour
9:00-9:50a
 Using NOCITA On & Off Label:
 Techniques from the Trenches **S04B**
Mark Epstein

☐ 1 CE Hour
10:35-11:25a
 Visceral Pain: How to Manage **S04C**
Pedro Boscan

☐ 1 CE Hour
11:35a-12:25p
 Feline Pain Scoring & The Grimace Pain
 Scale **S04D**
Pedro Boscan

PAIN MANAGEMENT PM INDUSTRY LUNCH SEMINAR

MANDALAY BAY H, LEVEL 2
 Moderator: TBD



☐ 1 CE Hour
12:45-1:45p
 A Practical Guide to Managing
 Osteoarthritis: Making Sense of Current
 Therapies **IS06**
Bryan Torres

PARASITOLOGY AM INDUSTRY BREAKFAST SEMINAR

OCEANSIDE C, LEVEL 2
 Moderator: TBD



☐ 1 CE Hour
6:30-7:30a
 Heartworm: Why It Still Matters **IS02**
Andrew Moorhead

+PAIN MANAGEMENT PM INDUSTRY LUNCH SEMINAR

OCEANSIDE D, LEVEL 2
 Moderator: Moderator TBA



☐ 1 CE Hour
12:45-1:45p
 Managing Osteoarthritis in Dogs **IS04**
 Denis Marcellin-Little

PHARMACOLOGY AM & PM

SOUTH PACIFIC B, LEVEL 0
 Moderator: Ann Bastian,
 G. Sierra Schneider

☐ 1 CE Hour
8:00-8:50a
 Myths & Controversies in Antimicrobial
 Therapy **SA259**
Dawn Boothe

☐ 1 CE Hour
9:00-9:50a
 The Impact of Antimicrobials on the
 Microbiota **SA260**
Dawn Boothe

☐ 1 CE Hour
10:35-11:25a
 Interpreting Culture & Susceptibility
 Data: The Best Bang for Your Bug **SA261**
Dawn Boothe

☐ 1 CE Hour
11:35a-12:25p
 The Challenge of Medical Cannabinoids
 Part I: Understanding the Product
SA262
Dawn Boothe

☐ 1 CE Hour
4:35-5:25p
 The Challenge of Medical Cannabinoids
 Part II: Understanding the Target **SA263**
Dawn Boothe

☐ 1 CE Hour
5:35-6:25p
 Mitochondria 101: An Emerging
 Therapeutic Challenge **SA264**
Dawn Boothe

REHABILITATION PM

SOUTH PACIFIC D, LEVEL 0
 Moderator: Deborah Langford

☐ 1 CE Hour
2:00-2:50p
 Musculoskeletal Ultrasound Forelimb
 Lameness Made Easier **SA279**
Debra Canapp

☐ 1 CE Hour
3:00-3:50p
 Rehab for the Forelimb Diagnosis **SA280**
Debra Canapp

☐ 1 CE Hour
4:35-5:25p
 Musculoskeletal Ultrasound Hind Limb
 Lameness Made Easier **SA281**
Debra Canapp

☐ 1 CE Hour
5:35-6:25p
 Rehab for the Hind Limb Diagnosis
SA282
Debra Canapp

SPORTS MEDICINE AM

REEF, LEVEL 2
 Moderator: Gary Keffer

☐ 1 CE Hour
8:00-8:50a
 Forelimb Lameness Made Easy **SA283**
Sherman Canapp

☐ 1 CE Hour
9:00-9:50a
 Hind Limb Lameness Made Easy **SA284**
Sherman Canapp

SPORTS MEDICINE AM

MANDALAY BAY B, LEVEL 2
Moderator: Ann Bastian

- ☐ 1 CE Hour
11:35a-12:25p
Intra-articular Injections for Osteoarthritis: How, When & What? [SA285](#)
Sherman Canapp

SPORTS MEDICINE PM

SOUTH PACIFIC B, LEVEL 0
Moderator: G. Sierra Schneider

- ☐ 1 CE Hour
3:00-3:50p
Telemedicine, Tele-education, Vet PA: The Future is Now! [SA286](#)
Sherman Canapp

SURGERY-GENERAL AM & PM

MANDALAY BAY D, LEVEL 2
Moderator: Leejoan Ma, Silvia Nagy

- ☐ 1 CE Hour
8:00-8:50a
Cultivating the Wound for Closure [SA307P](#)
Kathleen Ham, Bryden Stanley
- ☐ 1 CE Hour
9:00-9:50a
Tension Tricks & Skin Flaps You Can Use in Practice [SA308](#)
Bryden Stanley
- ☐ 1 CE Hour
10:35-11:25a
Lips & Lids & Skin Folds [SA309P](#)
Kathleen Ham, Bryden Stanley
- ☐ 1 CE Hour
11:35a-12:25p
Stick Impalements & Other Penetrating Trauma [SA310](#)
Bryden Stanley

- ☐ 1 CE Hour
2:00-2:50p
Principles of Oncologic Surgery [SA311](#)
Bryden Stanley

- ☐ 1 CE Hour
3:00-3:50p
Oral Neoplasia: Mandibular & Maxillary Resections [SA312](#)
Kathleen Ham

- ☐ 1 CE Hour
4:35-5:25p
Hemoabdomen [SA313](#)
Bryden Stanley

- ☐ 1 CE Hour
5:35-6:25p
How to Perform a Complete Upper Airway Examination & Why [SA314](#)
Bryden Stanley

UROLOGY / NEPHROLOGY AM

MANDALAY BAY F, LEVEL 2
Moderator: Silvia Nagy

- ☐ 1 CE Hour
8:00-8:50a
Urinary Incontinence in Female Dogs: No More Puddles [SA345](#)
Shelly Vaden

- ☐ 1 CE Hour
9:00-9:50a
Micturition Disorders in Male Dogs: What We Don't Know Can Hurt Our Patients [SA346](#)
Shelly Vaden

- ☐ 1 CE Hour
10:35-11:25a
Diagnosis of Urothelial Carcinoma: What's New? [SA347](#)
Shelly Vaden

UROLOGY / NEPHROLOGY PM

SOUTH PACIFIC B, LEVEL 0
Moderator: G. Sierra Schneider

- ☐ 1 CE Hour
2:00-2:50p
Preventing Urinary Tract Infection [SA348](#)
Shelly Vaden

WEDNESDAY, SEPTEMBER 8

+BEHAVIOR, PAIN MANAGEMENT, REHABILITATION AM SYMPOSIUM

Assisi Animal Health Symposium

MANDALAY BAY B, LEVEL 2

Moderator: Moderator TBA



1 CE Hour
8:00-8:50a

The Future Is Now: The Science (Not Science Fiction) of Today's Pain Management [S01A](#)
Robin Downing

1 CE Hour
9:00-9:50a

Home Alone & Freaked Out [S01B](#)
Jeff Nichol

1 CE Hour
10:35-11:25a

Feline Osteoarthritis: Understanding the Silent Pain [S01C](#)
Kelly St. Denis

1 CE Hour
11:35a-12:25p

Neurological Rehabilitation: From Post Op to Prevention [S01D](#)
Deirdre Chiaramonte

+CARDIOLOGY AM SYMPOSIUM

Practical Management of Canine CHF

OCEANSIDE B, LEVEL 2

Moderator: Moderator TBA



1 CE Hour
8:00-8:50a

Getting Ahead of Canine Congestive Heart Failure: A Cardiologist's Advice on the Best Standard of Care for Dogs with Preclinical Mitral Valve Disease [S19B](#)
Michele Borgarelli

1 CE Hour
9:00-9:50a

BEEST Practices in Treating the Mitral Valve Disease Dog [S19A](#)
Clarke Atkins

1 CE Hour
10:35-11:25a

Take the HEARTBURN Out of Treating Mitral Valve Disease in Dogs [S19C](#)
Kursten Pierce

CLINICAL PATHOLOGY AM & PM

SOUTH PACIFIC D, LEVEL 0

Moderator: James Marshall, Becky Stone

1 CE Hour
8:00-8:50a

Pitfalls! The Most Common Clinicopathologic Mistakes [SA034](#)
Craig Thompson

1 CE Hour
9:00-9:50a

Skin Cytology: See It, Stick It [SA035](#)
Craig Thompson

1 CE Hour
10:35-11:25a

Lessons from an Orange Cat: Patterns on Clinical Pathology Lab Work Everyone Should be Able to Recognize [SA161](#)
Craig Thompson

1 CE Hour
11:35a-12:25p

Flow Cytometry Part I: Principles of Immunophenotyping (aka Flow for Dummies) [SA036](#)
Samantha Evans

1 CE Hour
2:00-2:50p

Flow Cytometry Part II: Case Examples & Clinical Utility [SA037](#)
Samantha Evans

1 CE Hour
3:00-3:50p

Feline Infectious Peritonitis, Part I: An Update on Diagnostic Tools [SA038](#)
Samantha Evans

1 CE Hour
4:35-5:25p

Feline Infectious Peritonitis, Part II: Black Market Use of GS-441524 to Cure FIP [SA039](#)
Samantha Evans

1 CE Hour
5:35-6:25p

When to Trust Your In-House Hematology Analyzer [SA040](#)
Samantha Evans

DENISTRY AM & PM

SOUTH PACIFIC H, LEVEL 0

Moderator: Gerald Adams

1 CE Hour
8:00-8:50a

The Full Spectrum Understanding Which Jaw Fracture Techniques to Recommend & When [SA045](#)
Christopher Snyder

1 CE Hour
9:00-9:50a

Riding into the Sunset: Oral Tumors We Can Cure! [SA046](#)
Stephanie Goldschmidt

1 CE Hour
10:35-11:25a

I Just Found a Fractured Tooth: How to Decide When Dentin Bonding is an Appropriate Treatment Choice [SA047](#)
Stephanie Goldschmidt

1 CE Hour
11:35a-12:25p

Feline Chronic Gingivostomatitis: How to Treat Initially & What to Do IF the Case Is Refractory [SA048](#)
Stephanie Goldschmidt

1 CE Hour
2:00-2:50p

Canine Mucogingival Disease: This Is So Painful & These Guys Need Help NOW! Differential Diagnosis & Treatment Options for Ulcerative Mucosal Diseases in Dogs [SA049](#)
Stephanie Goldschmidt

1 CE Hour
3:00-3:50p

Don't Break into Jail: How to Avoid Extraction Complications [SA050](#)
Stephanie Goldschmidt

1 CE Hour
4:35-5:25p

Anesthetized Dental Cleanings Starting at 12-18 Months? Yes! Your Ticket to Client Commitment for Life! [SA051](#)
Barden Greenfield

1 CE Hour

5:35-6:25p

Do You Want Awfully Simple or Simply Awful? Selection of the Right Instrument & Bur Makes a BIG Difference in Extractions & Surgery **SA052**
Barden Greenfield

DERMATOLOGY AM

LAGOON G, LEVEL 2

Moderator: Kathy Sarnelli

1 CE Hour

8:00-8:50a

Using Topical Therapy to Improve Epidermal Barrier Function **SA070**
Ashley Bourgeois

1 CE Hour

9:00-9:50a

Don't Fear the Smear (Cytology 101) **SA071**
Ashley Bourgeois

1 CE Hour

10:35-11:25a

More Than Crusty Skin Pics: Using Social Media in Veterinary Dermatology **SA072**
Ashley Bourgeois

1 CE Hour

11:35a-12:25p

Non-responsive Pruritus in Dogs: What Am I Missing **SA073**
Alberto Martin Cordero

+DERMATOLOGY, UROLOGY AM SYMPOSIUM

Nutramax Laboratories Veterinary Sciences Symposium

OCEANSIDE C, LEVEL 2

Moderator: Moderator TBA



1 CE Hour

9:00-9:50a

Ditching the Itch with a Happy Skin Barrier **S16A**
Linda Messinger

1 CE Hour

10:35-11:25a

Quick & Easy Tips to Maximize Success in Your Derm Patients **S16B**
Linda Messinger

1 CE Hour

11:35a-12:25p

Drop a Hint: Diagnosing & Treating Canine Urothelial Tumors **S16C**
Haley Leeper

+DERMATOLOGY, NUTRITION PM SYMPOSIUM

Hill's Pet Nutrition Symposium

REEF, LEVEL 2

Moderator: Moderator TBD



1 CE Hour

2:00-2:50p

What I Wish I Knew When I Got Out of Vet School Concerning Derm Patients **S25AP**
Darren Berger, Ashley Bourgeois

1 CE Hour

3:00-3:50p

The Latest Innovation in Nutrition for Your Itchy Canine Patient **S25BP**
Jennifer Macleay, Mike Robbins

1 CE Hour

4:35-5:25p

Update & Practical Tips for Managing Atopy & Allergies **S25CP**
Darren Berger, Ashley Bourgeois

0 CE Hour

5:35-6:25p

Ask the Experts: Round Table Discussion / Q&A **S25DP**
Darren Berger, Ashley Bourgeois

DERMATOLOGY PM

SOUTH PACIFIC J, LEVEL 0

Moderator: Nancy Leverenz

1 CE Hour

2:00-2:50p

Dermatologic Diagnostic Techniques: Do I Know Them All? **SA074**
Alberto Martin Cordero

1 CE Hour

3:00-3:50p

Alopecia in Cats: A Practical Approach **SA075**
Alberto Martin Cordero

DERMATOLOGY PM

OCEANSIDE D, LEVEL 2

Moderator: Nancy Leverenz

1 CE Hour

5:35-6:25p

10 Simple Rules to Survive Difficult Derm Clients **SA076**
Alberto Martin Cordero

+DERMATOLOGY, ONCOLOGY PM SYMPOSIUM

Virbac Next Level Sessions

MANDALAY BAY J, LEVEL 2

Moderator: Cristiano von Simson



1 CE Hour

2:00-2:50p

STELFONTA® (tigilanol tiglate injection) - Seeing is Believing **S15AP**
Sue Ettinger, Pamela Jones

1 CE Hour

3:00-3:50p

Something Old, Something New for Canine Allergic Pruritus **S15B**
Douglas DeBoer

+FELINE MEDICINE, NUTRITION, ONCOLOGY PM SYMPOSIUM

Elanco Specialty Symposium

OCEANSIDE D, LEVEL 2

Moderator: Moderator TBA



1 CE Hour

2:00-2:50p

Update on Management of Chronic Feline Rhinitis **S08A**
Michael Lappin

1 CE Hour

3:00-3:50p

Addressing Chronic Weight Loss in Your Internal Medicine Patients **S08B**
Jessica Pritchard

1 CE Hour

4:35-5:25p

New Options for Canine Lymphoma **S08C**
Chad Johannes

ENDOCRINOLOGY PM

MANDALAY BAY F, LEVEL 2

Moderator: Kimberly Pope-Robinson

□1 CE Hour
2:00-2:50p
"Other" Feline Endocrinopathies [SA113](#)
Patty Lathan

□1 CE Hour
3:00-3:50p
Diagnostic Approach to Polyuria & Polydipsia [SA114](#)
Patty Lathan

+FELINE MEDICINE, INFECTIOUS DISEASE, PRACTICE MANAGEMENT AM & PM SYMPOSIUM

Merck Animal Health Symposium

MANDALAY BAY H, LEVEL 2

Moderator: Wendy Vaala, DD Clark



□1 CE Hour
8:00-8:50a
Does My Cat Have a Drinking Problem? Hydration & Health in Feline Medicine [S32A](#)
Margie Scherk

□1 CE Hour
9:00-9:50a
The View from the Exam Room [S32B](#)
Jenifer Chatfield

□1 CE Hour
10:35-11:25a
The Big 5 Canine Vector Borne Diseases [S32C](#)
Melissa Bourgeois

□1 CE Hour
11:35a-12:25p
Name that Pathogen [S32D](#)
Jenifer Chatfield

□1 CE Hour
2:00-2:50p
It's Time to Spread the Herd (Immunity)! [S32E](#)
Natalie Marks

□1 CE Hour
3:00-3:50p
Pharmacy Fight! How to Win Against Tough Competition [S32F](#)
Fritz Wood

+FELINE MEDICINE AM & PM SYMPOSIUM

Ceva Animal Health Feline Symposium

OCEANSIDE B, LEVEL 2

Moderator: Edward Koronowski



□1 CE Hour
11:35a-12:25p
An Integrative Approach for Providing Comfort to Cats with Chronic Pain I [S20A](#)
Sheilah Robertson

□1 CE Hour
2:00-2:50p
An Integrative Approach for Providing Comfort to Cats with Chronic Pain II [S20B](#)
Sheilah Robertson

FELINE MEDICINE PM INDUSTRY LUNCH SEMINAR

MANDALAY BAY H, LEVEL 2

Moderator: DD Clark



□1 CE Hour
12:45-1:45p
Enhancing Compliance & Reducing Stress: A Modern Perspective on Feline Parasite Protection [IS13](#)
Robert Lavan, Joel Sailor

GASTROENTEROLOGY PM

SOUTH PACIFIC E, LEVEL 0

Moderator: James Marshall

□1 CE Hour
2:00-2:50p
Latest Update on Chronic Hepatitis: Diagnosis & Therapy [SA145](#)
David Twedt

□1 CE Hour
3:00-3:50p
Gastrointestinal Bleeding: What's the Cause? [SA137](#)
Kenneth Simpson

□1 CE Hour
4:35-5:25p
Re-thinking HGE: Acute Hemorrhagic Diarrheal Syndrome (AHDS)? [SA138](#)
Kenneth Simpson

□1 CE Hour
5:35-6:25p
Management of Chronic Enteropathies in Dogs: Antibiotics & Immunosuppression [SA139](#)
Kenneth Simpson

IMAGING AM

LAGOON J, LEVEL 2

Moderator: G. Sierra Schneider

□1 CE Hour
8:00-8:50a
Diagnostic Imaging of the Spine [SA175](#)
Federico Vilaplana-Grosso

□1 CE Hour
9:00-9:50a
Diagnostic Imaging of the Head [SA176](#)
Federico Vilaplana-Grosso

□1 CE Hour
10:35-11:25a
Radiography of the Traumatized Patient: Part 1 - Neck & Thorax [SA177](#)
Federico Vilaplana-Grosso

□1 CE Hour
11:35a-12:25p
Radiography of the Traumatized Patient: Part 2 - Abdomen & Appendicular Skeleton [SA178](#)
Federico Vilaplana-Grosso

IMAGING AM

LAGOON H, LEVEL 2

Moderator: Predrag Pecic

□1 CE Hour
8:00-8:50a
AFAST & Its Target Organ Approach & Abdominal Fluid Scoring System: Advantages over Physical Exam, Laboratory Testing & Radiography [SA187](#)
Gregory Lisciandro

□1 CE Hour
9:00-9:50a
AFAST & Its Abdominal Fluid Scoring System for Use in Trauma, Triage & Tracking [SA188](#)
Gregory Lisciandro

□1 CE Hour

10:35-11:25a

TFAST for the Accurate Diagnosis of
Pleural & Pericardial Effusion & Its
Echocardiography Views [SA189](#)

Gregory Lisciandro

□1 CE Hour

11:35a-12:25p

Vet BLUE Lung Ultrasound: A Colossal
Change [SA190](#)

Gregory Lisciandro

+INFECTIOUS DISEASE AM SYMPOSIUM

Infectious Disease Symposium

MANDALAY BAY F, LEVEL 2

Moderator: Moderator TBA



**Boehringer
Ingelheim**

□1 CE Hour

8:00-8:50a

Tracking the Ticks: Epidemiology of
Lyme Disease in North America [S24A](#)

Brian Herrin

□1 CE Hour

9:00-9:50a

Lethal Leptospirosis: A Preventable
Disease [S24B](#)

Jane Sykes

□1 CE Hour

10:35-11:25a

Did You Know That Up to 80% of Cat
Fleas Carry Human or Pet Pathogens?
[S24C](#)

Michael Lappin

□1 CE Hour

11:35a-12:25p

Rabies & Rabies Vaccination: Beyond
CORE! [S24D](#)

Richard Ford

INFECTIOUS DISEASE PM INDUSTRY LUNCH SEMINAR

Oceanside B, Level 2

Moderator: Mark Russak



**Boehringer
Ingelheim**

□1 CE Hour

12:45-1:45p

Just Breathe: A Comprehensive
Clinical Approach to Canine Infectious
Respiratory Disease [IS14](#)

Carol Reinero

INFECTIOUS DISEASE PM

LAGOON H, LEVEL 2

Moderator: Mark Russak

□1 CE Hour

2:00-2:50p

Pets, SARS-CoV2 & COVID19: What
Every Veterinarian Needs to Know
[SA191](#)

Jane Sykes

□1 CE Hour

3:00-3:50p

Update on Canine Infectious Respiratory
Diseases [SA192](#)

Jane Sykes

□1 CE Hour

4:35-5:25p

Update on FeLV, FIV & FIP Infections:
Diagnosis & Prevention [SA193](#)

Jane Sykes

□1 CE Hour

5:35-6:25p

Practical Use of Antiviral Drugs in Cats
[SA194](#)

Jane Sykes

PAIN MANAGEMENT AM INDUSTRY BREAKFAST SEMINAR

OCEANSIDE C, LEVEL 2

Moderator: Moderator TBA



**Lintbells
Veterinary**

□1 CE Hour

6:30-7:30a

Managing Chronic Pain: Beyond Pharma
[IS09](#)

Robin Downing

NUTRITION PM INDUSTRY LUNCH SEMINAR

OCEANSIDE C, LEVEL 2

Moderator: David Whetstone



□1 CE Hour

12:45-1:45p

New Solutions for the Pet Obesity
Pandemic [IS12](#)

Donna Raditic, Staci Scolavino

ONCOLOGY AM

REEF, LEVEL 2

Moderator: Kendra Rushing

□1 CE Hour

8:00-8:50a

Hemangiosarcoma Cliff Notes 2021:
What You Need to Know [SA228](#)

Sue Ettinger



□1 CE Hour

9:00-9:50a

Cancer ABCs: Aspirates Biopsies &
Cytology [SA229](#)

Sue Ettinger

OPHTHALMOLOGY PM

LAGOON J, LEVEL 2

Moderator: Wallace Wolf

□1 CE Hour

2:00-2:50p

Get Your Shine On: Update on Dry Eye
Disease [SA233](#)

Caroline Betbeze

□1 CE Hour

3:00-3:50p

Feline Corneal Disease: We've Got You
Covered! [SA234](#)

Caroline Betbeze

□1 CE Hour

4:35-5:25p

Breaking Barriers Part I: Canine Uveitis
[SA235](#)

Caroline Betbeze

□1 CE Hour
5:35-6:25p
 Breaking Barriers Part II: Feline Uveitis
 SA236
 Caroline Betzeze

OTOLOGY AM

MANDALAY BAY D, LEVEL 2
 Moderator: Constante Tinaza

□1 CE Hour
8:00-8:50a
 Maintenance Therapy of Otitis Cases
 SA251
 Craig Griffin

□1 CE Hour
9:00-9:50a
 Identify & Control Causes of Otitis
 Externa SA252
 Craig Griffin

**+PAIN MANAGEMENT AM
 SYMPOSIUM**
 Dealing with Chronic Pain
 Doesn't Have to be Painful

OCEANSIDE D, LEVEL 2
 Moderator: Joyce Login

ZOETIS PETCARE

□1 CE Hour
8:00-8:50a
 What Is This Thing Called Nerve
 Growth Factor & How Does It Impact
 Osteoarthritis Pain? S12A
 Duncan Lascelles

□1 CE Hour
9:00-9:50a
 Cats Don't Make It Easy: Helpful Tools to
 Assess, Manage & Treat Feline OA S12B
 Margaret Gruen

□1 CE Hour
10:35-11:25a
 STOP Being Scared of the Ortho Exam!
 My Top 4 Magic Tips S12C
 Kristin Kirkby Shaw

**+PAIN MANAGEMENT PM
 SYMPOSIUM**
 Companion Animal Health Pain
 Management Symposium

OCEANSIDE B, LEVEL 2
 Moderator: Moderator TBD



□1 CE Hour
3:00-3:50p
 Laser Therapy's Evolution to Use in
 Everyday Patient Care S36C
 John Godbold

□1 CE Hour
4:35-5:25p
 Shining a Light in the Dark: Dosing
 Laser Therapy for Osteoarthritis &
 Degenerative Myelopathy S36B
 Lisa Miller

**PAIN MANAGEMENT AM
 INDUSTRY BREAKFAST SEMINAR**

OCEANSIDE B, LEVEL 2
 Moderator: Moderator TBA



□1 CE Hour
6:30-7:30a
 Osteoarthritis & A Team-based
 Approach: A Case Driven Discussion
 IS10
 Bryan Torres

**PARASITOLOGY AM
 INDUSTRY BREAKFAST SEMINAR**

OCEANSIDE D, LEVEL 2
 Moderator: Moderator TBA



□1 CE Hour
6:30-7:30a
 Parasitology in Practice: Making Sense
 of the Middle IS08
 Byron Blagburn

**+CARDIOLOGY AM
 SYMPOSIUM**
 Utilization of Bedside NT-proBNP
 within Primary Care Practice

SOUTH PACIFIC F, LEVEL 0
 Moderator: Moderator TBA



□1 CE Hour
9:00-9:50a
 Utilization of Bedside NT-proBNP within
 Primary Care Practice S03
 Christopher Stauthammer

**PHARMACOLOGY-JUDICIOUS
 USE OF ANTIBIOTICS PM**

SOUTH PACIFIC B, LEVEL 0
 Moderator: Brit Oiulfstad

□1 CE Hour
2:00-2:50p
 What Happened to HGE? Judicious
 Antibiotic Use for Acute Hemorrhagic
 Diarrhea Syndrome (AHDS) SA271
 Julio Lopez

□1 CE Hour
3:00-3:50p
 Changing Your Clinical Approach for
 UTIs to Allow Judicious Antibiotic Use
 SA272
 Julio Lopez

□1 CE Hour
4:35-5:25p
 Using Antibiotics Judiciously in Canine
 & Feline Respiratory Disease SA273
 Julio Lopez

□1 CE Hour
5:35-6:25p
 Multimodal Approach to Allow Judicious
 Antibiotic Use for Dermatologic Disease
 SA274
 Julio Lopez

PREVENTIVE MEDICINE PM INDUSTRY LUNCH SEMINAR

OCEANSIDE D, LEVEL 2

Moderator: Kristine Smith

ZOETIS PETCARE

1 CE Hour

12:45-1:45p

Don't Be A SkepTICK: Understand the Vector Borne Risks Everywhere [IS11](#)
Yoko Nagamori

+REGENERATIVE MEDICINE PM SYMPOSIUM

Ardent Animal Health Symposium

OCEANSIDE D, LEVEL 2

Moderator: Thomas Masterson



1 CE Hour

11:35a-12:25p

Regenerative Medicine 101: Innovate Your Practice [S18](#)
Michael Hutchinson

RESPIRATORY PM

LAGOON G, LEVEL 2

Moderator: Doug Yanik

1 CE Hour

2:00-2:50p

Stridor / Stertor & Loud Breathing [SA287](#)
Elizabeth Rozanski

1 CE Hour

3:00-3:50p

Tracheal Collapse [SA288](#)
Elizabeth Rozanski

1 CE Hour

4:35-5:25p

Myths of Respiratory Medicine [SA289](#)
Elizabeth Rozanski

1 CE Hour

5:35-6:25p

Pneumothorax, Spontaneous, Traumatic or Iatrogenic [SA290](#)
Elizabeth Rozanski

SURGERY-GENERAL AM

SOUTH PACIFIC E, LEVEL 0

Moderator: Becky Stone

1 CE Hour

8:00-8:50a

The Temporary Tracheostomy: Life Saving Procedure & How to Maintain It [SA315](#)
Kathleen Ham

1 CE Hour

9:00-9:50a

Revisiting Halsted's Principles: Tips to Better Surgery [SA316](#)
Bryden Stanley

1 CE Hour

10:35-11:25a

Clients & Complications: How to Manage Both [SA317](#)
Kathleen Ham

1 CE Hour

11:35a-12:25p

Complications of Intestinal Surgery [SA318](#)
Bryden Stanley

SURGERY-ORTHOPEDIC AM & PM

SOUTH PACIFIC F, LEVEL 0

Moderator: Gary Keffer

1 CE Hour

10:35-11:25a

Lameness Evaluation: Lameness of the Forelimb of the Young Dog [SA321P](#)
Kenneth Bruecker, Laurent Guiot

1 CE Hour

11:35a-12:25p

Lameness Evaluation: Lameness of the Forelimb of the Old Dog [SA322P](#)
Steven Petersen, Jennifer Simpson

1 CE Hour

2:00-2:50p

Lameness Evaluation: Lameness of the Hindlimb of the Young Dog [SA323P](#)
Kenneth Bruecker, Jennifer Simpson

1 CE Hour

3:00-3:50p

Lameness Evaluation: Lameness of the Hindlimb of the Old Dog [SA324P](#)
Laurent Guiot, Steven Petersen

1 CE Hour

4:35-5:25p

Orthopedic Traumatology: Know When to Fold 'em, Simple Fractures that the GP Might Choose to Refer to Keep [SA325P](#)
Kenneth Bruecker, Steven Petersen

1 CE Hour

5:35-6:25p

Orthopedic Traumatology: Know When to Fold 'em, Know When to Walk Away, Know When to Run. Complex Fractures that the GP Might Choose to Refer to a... [SA326P](#)
Laurent Guiot, Jennifer Simpson

TOXICOLOGY AM

SOUTH PACIFIC B, LEVEL 0

Moderator: Brit Oiulfstad

1 CE Hour

8:00-8:50a

A Case-based Approach to Rodenticides: Part 1 [SA335](#)
Justine Lee

1 CE Hour

9:00-9:50a

A Case-based Approach to Rodenticides: Part 2 [SA336](#)
Justine Lee

1 CE Hour

10:35-11:25a

Garage Toxins Poisonous to Dogs [SA337](#)
Justine Lee

1 CE Hour

11:35a-12:25p

Top 5 Fatal Poisons that Will Kill Your Small Animal Patients [SA338](#)
Justine Lee

TOXICOLOGY PM

MANDALAY BAY D, LEVEL 2

Moderator: Leslie Wolff



1 CE Hour

2:00-2:50p

Top 5 Ways to Save \$\$\$ on Poisoning Case Management [SA339](#)
Justine Lee

1 CE Hour

3:00-3:50p

Pot Poisons Pets: Marijuana Toxicity [SA340](#)
Justine Lee

THURSDAY, SEPTEMBER 9

BEHAVIOR PM

REEF, LEVEL 2

Moderator: Mikki Cook

□1 CE Hour

2:00-2:50p

Parting Is Such Sweet Sorrow: A Case-based Approach to Separation Anxiety [SA011](#)

Julia Albright

□1 CE Hour

3:00-3:50p

Disaster Waiting to Happen: Treating Fears & Phobias Related to Specific Triggers [SA012](#)

Julia Albright

□1 CE Hour

4:00-4:50p

SSRI? TCA? SNRI? Making Sense of Psychoactive Medication Alphabet Soup [SA013](#)

Julia Albright

□1 CE Hour

5:00-5:50p

Punishment as a Tool in Behavior Modification: A Useful Scalpel or Unnecessary Hammer? [SA014](#)

Julia Albright

DENTISTRY AM

SOUTH PACIFIC F, LEVEL 0

Moderator: Sally Lane

□1 CE Hour

8:00-8:50a

I Want to Master How to: Perform Surgical Extraction of the Mandibular Canine & 1st†Molar (Video step-by-step) [SA053](#)

Barden Greenfield

□1 CE Hour

9:00-9:50a

I Want to Master How to: Extract Caudal Maxillary Cheek Teeth - 4th†Premolar, 1st & 2nd†Molars (Video step-by-step) [SA054](#)

Barden Greenfield

□1 CE Hour

10:35-11:25a

It's 5:00 P.M. & This Shows Up! Dental Emergencies that Require Immediate Attention & Those that Can Wait 'til Monday [SA055](#)

Barden Greenfield

□1 CE Hour

11:35a-12:25p

Radiology 411: Helping You Identify Unique Radiographic Pathology in the Dog & Cat [SA056](#)

Barden Greenfield

DERMATOLOGY AM

OCEANSIDE B, LEVEL 2

Moderator: Doug Yanik

□1 CE Hour

8:00-8:50a

Surgical Laser Cases in Veterinary Dermatology [SA077](#)

Mona Boord

□1 CE Hour

9:00-9:50a

Approach to the Patient with Pododermatitis [SA078](#)

Mona Boord

□1 CE Hour

10:35-11:25a

Surgical & Laser Treatment of Canine Pododermatitis [SA079](#)

Mona Boord

□1 CE Hour

11:35a-12:25p

How to Improve Client Compliance in Chronic Recurrent Dermatology Cases [SA080](#)

Mona Boord

DIAGNOSTICS AM

INDUSTRY BREAKFAST SEMINAR

OCEANSIDE D, LEVEL 2

Moderator: Moderator TBA

ZOETIS PETCARE

□1 CE Hour

6:30-7:30a

Hypercalcemia in Dogs & Cats: What You Don't Know [IS15](#)

Dennis Chew

DISASTER MEDICINE AM & PM

LAGOON J, LEVEL 2

Moderator: Moderator TBA

□1 CE Hour

8:00-8:50a

Surgical Adaptation During a Pandemic [SA081](#)

Courtney Campbell

□1 CE Hour

9:00-9:50a

A Cut Above the Rest: A Preview to Laceration Management [SA082](#)

Courtney Campbell

□1 CE Hour

10:35-11:25a

Unlikely Teammates: The Partnership Between Surgery & Infectious Disease [SA083](#)

Courtney Campbell

□1 CE Hour

11:35a-12:25p

The Curious Case of... [SA084P](#)

Courtney Campbell, Jenifer Chatfield

□1 CE Hour

2:00-2:50p

Heavy Is the Head that Bears the S-protein Crown [SA085](#)

Jenifer Chatfield

□1 CE Hour

3:00-3:50p

A Dangerous Kiss for Any Veterinarian: Chagas Disease [SA086](#)

Jenifer Chatfield

+EMERGENCY & CRITICAL CARE, INTERNAL MEDICINE, ONCOLOGY, RESEARCH AM & PM SYMPOSIUM

Ethos Discovery: Scientific Veterinary Innovations

ETHOS DISCOVERY

OCEANSIDE C, LEVEL 2

Moderator: Jordan Hodges & Tina Rice

- ☐ 1 CE Hour
10:35-11:25a
Improved Perspectives Around Canine Hemoperitoneum & The Future of Hemangiosarcoma Diagnostics & Therapeutics [S13A](#)
Jacob Cawley
- ☐ 1 CE Hour
11:35a-12:25p
Novel Diagnostics for the Diagnosis & Monitoring of Sepsis [S13B](#)
Samuel Stewart
- ☐ 1 CE Hour
2:00-2:50p
The Utility of Antimicrobial Continuous Infusions in the Critically Ill Patient [S13C](#)
Samuel Stewart
- ☐ 1 CE Hour
3:00-3:50p
The Veterinary Intestinal Microbiome Overview: Dysbiosis Diagnosis, Treatment, & Relation to Systemic Disease [S13D](#)
Kevin Mallery
- ☐ 1 CE Hour
4:35-5:25p
Defining the Pharmacokinetics & Therapeutic Applications of Cannabidiol [S13E](#)
Samuel Stewart
- ☐ 1 CE Hour
5:35-6:25p
Delivering Hope for Canine Hemangiosarcoma [S13F](#)
Chand Khanna

ENDOCRINOLOGY AM

MANDALAY BAY B, LEVEL 2

Moderator: Moderator TBA

- ☐ 1 CE Hour
8:00-8:50a
Addison's Disease: Tips & Tricks [SA115](#)
Patty Lathan
- ☐ 1 CE Hour
9:00-9:50a
Hyperadrenocorticism: Diagnostic Tips & Tricks [SA116](#)
Patty Lathan
- ☐ 1 CE Hour
10:35-11:25a
Hyperadrenocorticism: Update on Monitoring Dogs Receiving Trilostane Therapy [SA117](#)
Patty Lathan
- ☐ 1 CE Hour
11:35a-12:25p
Treating & Troubleshooting Diabetes Mellitus in Dogs [SA118](#)
Patty Lathan

GASTROENTEROLOGY AM & PM

SOUTH PACIFIC E, LEVEL 0

Moderator: Sandra Dixon

- ☐ 1 CE Hour
8:00-8:50a
Chronic Enteropathies in Cats: IBD & Lymphoma [SA140](#)
Kenneth Simpson
- ☐ 1 CE Hour
9:00-9:50a
An Update on Diagnosis & Management of Canine Pancreatitis [SA141](#)
Kenneth Simpson
- ☐ 1 CE Hour
10:35-11:25a
Feline Triaditis: Optimizing Diagnosis & Management [SA142](#)
Kenneth Simpson

- ☐ 1 CE Hour
11:35a-12:25p
The Esophagus: The Often Forgotten Organ [SA143](#)
David Twedt
- ☐ 1 CE Hour
2:00-2:50p
Abnormal Liver Enzymes: A Practical Clinical Approach [SA144](#)
David Twedt
- ☐ 1 CE Hour
3:00-3:50p
Four Important Liver Conditions You May Not of Learned About in Vet School [SA145](#)
David Twedt
- ☐ 1 CE Hour
4:00-4:50p
Diagnosis & Management of Acute Liver Disease [SA147](#)
David Twedt
- ☐ 1 CE Hour
5:00-5:50p
The Icteric Cat: Beyond Lipidosis Including Cholangitis & More [SA148](#)
David Twedt

HEMATOLOGY AM & PM

SOUTH PACIFIC H, LEVEL 0

Moderator: Emma Scott

- ☐ 1 CE Hour
8:00-8:50a
Immune-mediated Hemolytic Anemia [SA149](#)
Andrew Mackin
- ☐ 1 CE Hour
9:00-9:50a
Immune-mediated Thrombocytopenia [SA150](#)
Andrew Mackin
- ☐ 1 CE Hour
10:35-11:25a
Immune-mediated Polyarthrititis [SA151](#)
Andrew Mackin

☐ 1 CE Hour
11:35a-12:25p
 Immunosuppressive Therapy **SA152**
Andrew Mackin

☐ 1 CE Hour
2:00-2:50p
 Practical Blood Transfusion in the Dog **SA153**
Andrew Mackin

☐ 1 CE Hour
3:00-3:50p
 Practical Blood Transfusion in the Cat **SA154**
Andrew Mackin

+HUMAN-ANIMAL BOND AM & PM SYMPOSIUM Human Animal Bond Symposium

MANDALAY BAY J, LEVEL 2
 Moderator: Kimberly Pope-Robinson



☐ 1 CE Hour
8:00-8:50a
 Symbiosis or Scourge? What Emerging Diseases Teach Us about Our Unhealthy Relationship with Wildlife **S28A**
Kristine Smith

☐ 1 CE Hour
9:00-9:50a
 Holy Echolocation, Batman! Bats Are Amazing! BAAAAAAMM **S28B**
Patrick Flynn

☐ 1 CE Hour
10:35-11:25a
 Cats Really Are Man's (and Woman's) Best Friends: But Is the Bond as Real as It Is with Dogs? **S28C**
Steve Dale

☐ 1 CE Hour
11:35a-12:25p
 From Pastimes to Pets: Exploring Our Bond with Non-traditional Species **S28D**
Dana Varble

☐ 1 CE Hour
2:00-2:50p
 One Health & the "Dark Side" of the Human-Animal Bond: Preparing a Protocol Response to Suspected Animal Cruelty, Abuse & Neglect **S28E**
Phil Arkow

☐ 1 CE Hour
3:00-3:50p
 Exploring the Role of the Veterinary Community in Helping Break Cycles of Abuse in Domestic Violence **S28F**
Nicole Forsyth

IMMUNOLOGY PM INDUSTRY LUNCH SEMINAR

OCEANSIDE D, LEVEL 2
 Moderator: Moderator TBA



☐ 1 CE Hour
12:45-1:45p
 When Life Gives You Lyme(s): Misconceptions & Protecting Your Patients from *Borrelia* **IS18**
Jessica Pritchard

INFECTIOUS DISEASE AM

SOUTH PACIFIC D, LEVEL 0
 Moderator: Joan Winter

☐ 1 CE Hour
8:00-8:50a
 Tick Tales: Update on Vector-borne Diseases of Dogs & Cats I **SA195**
Jane Sykes

☐ 1 CE Hour
9:00-9:50a
 Tick Tales: Update on Vector-borne Diseases of Dogs & Cats II **SA196**
Jane Sykes

☐ 1 CE Hour
10:35-11:25a
 Lethal Leptospirosis: Diagnostic Approaches & Strategies for Prevention & Treatment **SA197**
Jane Sykes

☐ 1 CE Hour
11:35a-12:25p
 How to Perform & Interpret Diagnostic Testing to Optimize Antimicrobial Use **SA198**
Jane Sykes

+INFECTIOUS DISEASE PM SYMPOSIUM Infectious Disease Symposium

OCEANSIDE D, LEVEL 2
 Moderator: Moderator TBA



☐ 1 CE Hour
8:00-8:50a
 Optimal Use of Antibiotics for Select Infectious Diseases in Cats **S07A**
Michael Lappin

☐ 1 CE Hour
9:00-9:50a
 Understanding Canine Bacterial Pneumonia: Causes, Prevention, Diagnostics & Treatment **S07B**
Carol Reinero

☐ 1 CE Hour
10:35-11:25a
 Problems with Vaccine Protocols? Interpreting & Applying Guidelines **S07C**
George Moore

☐ 1 CE Hour
11:35a-12:25p
 Twisted Pathogen: An Update on Canine Leptospirosis **S07D**
Jessica Pritchard

NEUROLOGY AM & PM

LAGOON H, LEVEL 2
 Moderator: Leslie Wolff

☐ 1 CE Hour
8:00-8:50a
 Fun Facts About Anticonvulsants **SA213**
Sheila Carrera-Justiz

1 CE Hour

9:00-9:50a

What to Do with Episodes? [SA214](#)
Sheila Carrera-Justiz

1 CE Hour

10:35-11:25a

Common Congenital Neuro Things
[SA215](#)
Sheila Carrera-Justiz

1 CE Hour

11:35a-12:25p

Puppy & Kitten Neurology [SA216](#)
Sheila Carrera-Justiz

1 CE Hour

2:00-2:50p

Wobbly Things: Non-traditional Balance
Issues [SA217](#)
Sheila Carrera-Justiz

1 CE Hour

3:00-3:50p

What Can I Do Before Referral? [SA218](#)
Sheila Carrera-Justiz

+ONCOLOGY AM SYMPOSIUM

Introduction to Cancer Genomics and
Liquid Biopsy in Veterinary Medicine

OCEANSIDE C, LEVEL 2

Moderator: Jason Chibuk



1 CE Hour

8:00-8:50a

Cancer as a Disease of the Genome -
Explained [S37A](#)
Daniel Grosu

1 CE Hour

9:00-9:50a

Liquid Biopsy Methods for Non-Invasive
Cancer Detection & Characterization
[S37B](#)
Andi Flory

OPHTHALMOLOGY AM

REEF, LEVEL 2

Moderator: Wallace Wolf & Gretchen Norton

1 CE Hour

8:00-8:50a

You Seem Detached...A Look into Feline
Systemic Hypertension [SA237](#)
Caroline Betbeze

1 CE Hour

9:00-9:50a

There is Power in Your Pocket - Let's
Harness It! [SA238](#)
Caroline Betbeze

1 CE Hour

10:35-11:25a

Dang it - I Still Don't Feel Comfortable
Examining an Eye! [SA239](#)
Elizabeth Giuliano

1 CE Hour

11:35a-12:25p

Double Dang It - I REALLY Don't Feel
Comfortable Examining the BACK of an
Eye!! [SA240](#)
Elizabeth Giuliano

OPHTHALMOLOGY PM

SOUTH PACIFIC J, LEVEL 0

Moderator: TBD

1 CE Hour

2:00-2:50p

Why Won't This Corneal Ulcer Heal?
Help with Those Pesky Indolent
Erosions [SA241](#)
Elizabeth Giuliano

1 CE Hour

3:00-3:50p

Eyelid Surgery Is Easy-peasy.... or Is
It? Come Learn Some Practical Tips to
Make It Better for You & Your Patients
[SA242](#)
Elizabeth Giuliano

1 CE Hour

4:00-4:50p

Enucleation: Why Does this "Simple"
Surgery Still Scare Me? [SA243](#)
Elizabeth Giuliano

1 CE Hour

5:00-5:50p

An Ophthalmologist's COVID
Experience: What's Better Now than
Before the Pandemic? [SA244](#)
Elizabeth Giuliano

PHARMACOLOGY AM

INDUSTRY BREAKFAST SEMINAR

OCEANSIDE B, LEVEL 2

Moderator: Eleanor Green



1 CE Hour

6:30-7:30a

Cannabinoid Science for Pet Health 101
[IS17](#)
Annie Casta, Blake Smith

PHARMACOLOGY AM & PM

SOUTH PACIFIC B, LEVEL 0

Moderator: Predrag Pecic & Sally Lane

1 CE Hour

8:00-8:50a

Monoclonal Antibodies: The Next Wave
in Therapeutics [SA265](#)
Marika Visser

1 CE Hour

9:00-9:50a

Is the Medication Working? A Review
of Techniques to Assess the Efficacy of
Therapeutics [SA266](#)
Marika Visser

1 CE Hour

10:35-11:25a

Feline Pharmacology: Unraveling the
Weirdness of Cats [SA267](#)
Marika Visser

1 CE Hour

11:35a-12:25p

Integrating Clinical Trial Data for an
Evidence-based Approach [SA268](#)
Marika Visser

☐ 1 CE Hour
2:00-2:50p
 Clinical Trials: The Importance of the Clinician, Technician & Patients [SA269](#)
Marika Visser

☐ 1 CE Hour
3:00-3:50p
 Adverse Drug Reactions: Understanding the Risks & Limitations of Current Veterinary Therapeutics [SA270](#)
Marika Visser

RESPIRATORY AM

MANDALAY BAY H, LEVEL 2
 Moderator: Gretchen Norton

☐ 1 CE Hour
8:00-8:50a
 Tips & Tricks for Medically Managing Brachycephalic Patients [SA291](#)
Christine Rutter

☐ 1 CE Hour
9:00-9:50a
 Aspiration Pneumonitis & Pneumonia: Big Deal! [SA292](#)
Christine Rutter

☐ 1 CE Hour
10:35-11:25a
 What's New in Oxygen Therapy: Breathe it in! [SA293](#)
Christine Rutter

☐ 1 CE Hour
11:35a-12:25p
 Localizing Respiratory Emergencies: Don't Believe Me, Just Watch (& Listen) [SA294](#)
Christine Rutter

SHELTER MEDICINE AM & PM

MANDALAY BAY D, LEVEL 2
 Moderator: Cristie Kamiya

☐ 1 CE Hour
8:00-8:50a
 Blunt Force Trauma: Revealing the Hidden Mysteries [SA303](#)
Melinda Merck

☐ 1 CE Hour
9:00-9:50a
 Truth or Fiction: Analysis of Patterned Injuries in Animal Cruelty Cases [SA304](#)
Melinda Merck

☐ 1 CE Hour
10:35-11:25a
 Veterinary Analysis of Video Evidence: An Important Role of the Veterinarian [SA305](#)
Melinda Merck

☐ 1 CE Hour
11:35a-12:25p
 Mystery Theater: Solve the Animal Cruelty Case [SA306](#)
Melinda Merck

☐ 1 CE Hour
2:00-2:50p
 The Unpredictable Dog & Trauma Informed Shelter Care (Part 1): The Role of Trauma & Stress on Dog Behavior [SA299](#)
Sheila Segurson

☐ 1 CE Hour
3:00-3:50p
 Trauma Informed Shelter Care (Part 2): Managing Your Shelter Behavior Program with Care Pathways [SA300](#)
Sheila Segurson

☐ 1 CE Hour
4:00-4:50p
 Improving Welfare: Behavior Medications for Shelter Dogs & Cats [SA301](#)
Sheila Segurson

☐ 1 CE Hour
5:00-5:50
 The Veterinary Team's Role in Managing Veterinary & Behavioral Care for a Large Foster Program [SA302](#)
Sheila Segurson

SURGERY-ORTHOPEDIC AM & PM

MANDALAY BAY F, LEVEL 2
 Moderator: Tamera Chan

☐ 1 CE Hour
8:00-8:50a
 Orthopedic Traumatology: Complications in Fracture Healing [SA327P](#)
Kenneth Bruecker, Jennifer Simpson

☐ 1 CE Hour
9:00-9:50a
 Orthopedic Traumatology: Complications of the Crooked Leg [SA328P](#)
Laurent Guiot, Steven Petersen

☐ 1 CE Hour
10:35-11:25a
 Diagnosing & Managing the Dog with a Partial Cranial Cruciate Tear: A Panel Discussion [SA329P](#)
Kenneth Bruecker, Steven Petersen, Jennifer Simpson

☐ 1 CE Hour
11:35a-12:25p
 Meniscus Injury: A Panel Discussion [SA330P](#)
Laurent Guiot, Steven Petersen, Jennifer Simpson

☐ 1 CE Hour
2:00-2:50p
 Managing MPL & Concurrent CrCLR: A Panel Discussion [SA331P](#)
Kenneth Bruecker, Laurent Guiot, Steven Petersen

☐ 1 CE Hour
3:00-3:50p
 Complications: Cruciate Stabilization - Why Did It fail? A Panel Discussion [SA332P](#)
Laurent Guiot, Steven Petersen, Jennifer Simpson

☐ 1 CE Hour
4:00-4:50p
 Complications: Patella Luxation Stabilization: Why Did It Recur? [SA333P](#)
Kenneth Bruecker, Laurent Guiot

☐ 1 CE Hour
5:00-5:50p
 Complications with Patella Luxation Stabilization: Why Did the Fixation Fail? [SA334P](#)
Steven Petersen, Jennifer Simpson

Now approved
for cats and dogs*

THE PROVEN WAY TO TREAT CANINE DIABETES ONCE-A-DAY



The breakthrough you've been waiting for is here: now you can deliver glycemic control in most diabetic dogs WITH A SINGLE DAILY INJECTION.^{1,2} To learn more, contact your Boehringer Ingelheim Sales Representative or Professional Services Veterinarian.

ProZinc[®]
(protamine zinc recombinant
human insulin)

*PROZINC is approved for twice-daily use in cats.³

IMPORTANT SAFETY INFORMATION: PROZINC is for use in dogs and cats only. Keep out of the reach of children. Animals presenting with severe ketoacidosis, anorexia, lethargy, and/or vomiting should be stabilized with short-acting insulin and appropriate supportive therapy until their condition is stabilized. As with all insulin products, careful patient monitoring for hypoglycemia and hyperglycemia is essential to attain and maintain adequate glycemic control and to prevent associated complications. Overdose can result in profound hypoglycemia and death. The most common adverse reactions were lethargy, anorexia, hypoglycemia, vomiting, seizures, shaking (dogs only), diarrhea, and ataxia. Many of the adverse reactions, such as lethargy, seizures, shaking (dogs only), and ataxia, are associated with hypoglycemia. Glucocorticoid and progestogen use should be avoided. The safety and effectiveness of PROZINC in puppies, kittens, or breeding, pregnant, and lactating animals has not been evaluated. PROZINC is contraindicated during episodes of hypoglycemia and in animals sensitive to protamine zinc recombinant human insulin or any other ingredients in PROZINC. **For more information, please see full prescribing information.**

References:

¹ Data on file at Boehringer Ingelheim.

² ProZinc[®] (protamine zinc recombinant human insulin) [Freedom of Information Summary]. Duluth, GA: Boehringer Ingelheim Animal Health USA, Inc.; 2019.

³ ProZinc[®] (protamine zinc recombinant human insulin) [Freedom of Information Summary]. St. Joseph, MO: Boehringer Ingelheim Vetmedica, Inc.; 2009.

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Package Insert for Dogs

ProZinc® (protamine zinc recombinant human insulin)

40 IU/mL

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

Description: PROZINC® is a sterile aqueous protamine zinc suspension of recombinant human insulin.

Each mL contains:

recombinant human insulin	40 International Units (IU)
protamine sulfate	0.466 mg
zinc oxide	0.088 mg
glycerin	16.00 mg
dibasic sodium phosphate, heptahydrate	3.78 mg
phenol (added as preservative)	2.50 mg
hydrochloric acid	1.63 mg
water for injection (maximum)	1005 mg
pH is adjusted with hydrochloric acid and/or sodium hydroxide.	

Indication: PROZINC (protamine zinc recombinant human insulin) is indicated for the reduction of hyperglycemia and hyperglycemia-associated clinical signs in dogs with diabetes mellitus.

Dosage and Administration: USE OF A SYRINGE OTHER THAN A U-40 SYRINGE WILL RESULT IN INCORRECT DOSING.

FOR SUBCUTANEOUS INJECTION ONLY.

DO NOT SHAKE OR AGITATE THE VIAL.

PROZINC should be mixed by gently rolling the vial prior to withdrawing each dose from the vial. Once mixed, PROZINC suspension has a white, cloudy appearance. Clumps or visible white particles can form in insulin suspensions; do not use the product if clumps or visible white particles persist after gently rolling the vial.

Using a U-40 insulin syringe, the injection should be administered subcutaneously on the back of the neck or on the side of the dog.

Always provide the Client Information Sheet with each prescription.

Starting dose: The recommended starting dose for PROZINC is 0.2-0.5 IU insulin/pound of body weight (0.5-1.0 IU/kg) **once daily**. The recommended starting dose for naïve dogs is the lower end of the dose range. The recommended starting dose for dogs with poorly controlled diabetes mellitus and transitioning from another insulin product is the mid to higher end of the dose range based on the veterinarian's experience with the dog's medical history and previous insulin dose. When transitioning from another insulin, the dog's blood glucose and general condition should be closely monitored. **When transitioning from another insulin, PROZINC should be started once daily, regardless of the frequency of prior insulin use.**

The dose should be given concurrently with or right after a meal. The veterinarian should re-evaluate the dog at appropriate intervals and adjust the dose and frequency based on both clinical signs and laboratory test results (the blood glucose curve values and shape, nadir, and fructosamine) until adequate glycemic control has been attained. In the effectiveness field study, glycemic control was considered adequate if the glucose nadir from a 9-hour blood glucose curve was between 80 and 125 mg/dL, the maximum blood glucose was \leq 300 mg/dL, and clinical signs of hyperglycemia such as polyuria, polydipsia, or weight loss were improved.

Changing to twice daily dosing: Twice daily dosing should be considered if the duration of insulin action is determined to be inadequate with once daily dosing. Use caution when adjusting from once daily to twice daily dosing because PROZINC may have prolonged duration of action in some dogs (see Clinical Pharmacology). The veterinarian should closely monitor the duration of action using blood glucose curves to avoid the increased risk of hypoglycemia. If twice daily dosing is initiated, the two doses should each be approximately 25% less than the once daily dose required to attain an acceptable glucose nadir. For example, if a dog receiving 10 units of PROZINC once daily has an acceptable nadir but inadequate duration of activity, the dose should be changed to 7 units twice daily (round down to the nearest whole unit).

Further adjustments in the dosage may be necessary with changes in the dog's diet, body weight, or concomitant medication, or if the dog develops concurrent infection, inflammation, neoplasia, or an additional endocrine or other medical disorder.

Contraindications: PROZINC is contraindicated in dogs sensitive to protamine zinc recombinant human insulin or any other ingredients in PROZINC. PROZINC is contraindicated during episodes of hypoglycemia.

Warnings:

User Safety: For use in dogs and cats. Keep out of the reach of children. Avoid contact with eyes.

In case of contact, immediately flush eyes with running water for at least 15 minutes. Accidental injection may cause hypoglycemia. In case of accidental injection, seek medical attention immediately. Exposure to product may induce a local or systemic allergic reaction in sensitized individuals.

Animal Safety: Owners should be advised to observe for signs of hypoglycemia (see Client Information Sheet). Use of this product, even at established doses, has been associated with hypoglycemia. A dog with signs of hypoglycemia should be treated immediately. Glucose should be given orally or intravenously as dictated by clinical signs. Insulin should be temporarily withheld and, if indicated, the dosage adjusted.

Any change in insulin should be made cautiously and only under a veterinarian's supervision. Changes in insulin strength, manufacturer, type, species (human, animal) or method of manufacture (rDNA versus animal-source insulin) may result in the need for a change in dosage.

Appropriate diagnostic tests should be performed to rule out other endocrinopathies in diabetic dogs that are difficult to regulate.

Precautions: Dogs presenting with severe ketoacidosis, anorexia, lethargy, and/or vomiting should be stabilized with short-acting insulin and appropriate supportive therapy until their condition is stabilized. As with all insulin products, careful patient monitoring for hypoglycemia and hyperglycemia is essential to attain and maintain adequate glycemic control and to prevent associated complications. Overdose can result in profound hypoglycemia and death.

Glucocorticoids, progestogens, and certain endocrinopathies can have an antagonistic effect on insulin activity. Glucocorticoid and progestogen use should be avoided.

The safety and effectiveness of PROZINC in breeding, pregnant, and lactating dogs has not been evaluated.

The safety and effectiveness of PROZINC in puppies has not been evaluated.

Adverse Reactions: In a 182-day field study, 276 dogs received PROZINC. The most common adverse reactions were lethargy, anorexia, hypoglycemia, vomiting, seizures, shaking, diarrhea, and ataxia.

Table 1 summarizes the adverse reactions reported in the study. Clinical signs of hypoglycemia varied and included seizure, collapse, ataxia, staggering, trembling, twitching, shaking, disorientation, lethargy, weakness, and vocalization. In Table 1, the individual clinical signs that were observed during the episodes of hypoglycemia are captured as separate adverse reactions and a single dog may have experienced more than one clinical sign of hypoglycemia.

Table 1. Adverse reactions seen in the safety population (276 dogs)

Adverse Reaction	Number and Percentage
Lethargy (lethargy, depression, listless, and tiredness)	45 (16.3%)
Anorexia (anorexia, decreased appetite, inappetence, and not eating)	28 (10.1%)
Hypoglycemia with clinical signs	24 (8.9%)
Vomiting	21 (7.6%)
Seizures	16 (5.8%)
Shaking/trembling/twitching	13 (4.7%)
Ataxia (ataxia, balance problem, stumbling gait)	11 (4.0%)
Diarrhea (includes bloody diarrhea)	9 (3.3%)
Disorientation/confusion	9 (3.3%)
Weakness	8 (2.9%)
Restlessness/anxiety/agitation	6 (2.2%)
Cataract	6 (2.2%)
Panting (panting and tachypnea)	6 (2.2%)
Hematuria	4 (1.5%)

Clinical pathology: The only change seen in complete blood count, serum chemistry, and urinalysis results was an elevation in mean cholesterol at Day 182 (432.6 mg/dL, normal range 131-345 mg/dL) compared to Day -1 (333.7 mg/dL).

Injection site reactions: Seven dogs had injection site reactions, including observations of thickened skin, swelling, bumps at the injection site, and redness. All injection site reactions resolved without cessation of PROZINC therapy. Reaction to the injection, including vocalization, was observed in four dogs.

Hypoglycemia: There were 80 hypoglycemic episodes recorded during the study with some dogs experiencing more than one episode; 37 episodes were associated with clinical signs in 24 dogs, 40 episodes were without clinical signs in 27 dogs, and 3 were with unknown signs in 2 dogs. Clinical signs of hypoglycemia varied and included seizure, collapse, ataxia, staggering, trembling, twitching, shaking, disorientation, lethargy, weakness, and vocalization. Some dogs required hospitalization and intravenous dextrose while most recovered after receiving oral supplementation with a meal and/or oral glucose such as syrup. Two dogs were euthanized when the hypoglycemia did not resolve with supportive care. Hypoglycemia without clinical signs was defined as two consecutive blood glucose curve values < 60 mg/dL unaccompanied by clinical signs.

Diabetic ketoacidosis and pancreatitis: Eleven dogs were diagnosed with diabetic ketoacidosis. Four of these 11 dogs died or were euthanized, one after one dose of PROZINC. Twenty-one dogs were diagnosed with pancreatitis. Seven of these 21 dogs died or were euthanized due to complications of pancreatitis. Four dogs had concurrent diabetic ketoacidosis and pancreatitis, three of which died or were euthanized. Not all the deaths were considered related to PROZINC.

Deaths: Thirty-six (36) dogs died or were euthanized, six of which were possibly related to PROZINC. One dog died from recurrent episodes of pancreatitis, and one died after developing severe vomiting and diarrhea followed by a seizure. Four dogs were euthanized: one developed severe pancreatitis and azotemia, one had recurrent episodes of pancreatitis and diabetic ketoacidosis, and two for lack of effectiveness.

To report suspected adverse drug events, for technical assistance or to obtain a copy of the Safety Data Sheet (SDS), contact Boehringer Ingelheim at 1-888-637-4251.

For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at <http://www.fda.gov/reportanimalae>.

Clinical Pharmacology: PROZINC was administered subcutaneously to 10 healthy Beagles using an incomplete crossover design at doses of 0.5 IU/kg (5 dogs), 0.8 IU/kg at a single site (10 dogs), or 0.8 IU/kg at three separate sites (6 dogs). Insulin and glucose concentrations were measured over 24 hours. The shapes of insulin and glucose curves were variable among dogs; and the relationship between insulin dose, concentration, and glucose-lowering effect was nonlinear (Table 2).

Table 2. Pharmacodynamics of three dosing groups

Dose group Action	Onset of Action	Time to nadir	Duration of
0.5 IU/kg at a single site	1 to 14 hours	6 to 16 hours	16 to >24 hours
0.8 IU/kg at a single site	0.5 to 10 hours	5 to >24 hours	16 to >24 hours
0.8 IU/kg divided at three sites	1 to 10 hours	8 to 20 hours	18 to >24 hours

Information for Dog Owners: Please refer to the Client Information Sheet for Dogs for more information about PROZINC. PROZINC, like other insulin products, is not free from adverse reactions. Owners should be advised of the potential for adverse reactions and be informed of the associated clinical signs. Potential adverse reactions include hypoglycemia, insulin antagonism/resistance, rapid insulin metabolism, insulin-induced hyperglycemia (Somogyi Effect), and local or systemic reactions. The most common adverse reaction observed is hypoglycemia. Signs may include weakness, depression, behavioral changes, muscle twitching, and anxiety. In severe cases of hypoglycemia, seizures and coma can occur. Hypoglycemia can be fatal if an affected dog does not receive prompt treatment. Appropriate veterinary monitoring of blood glucose, adjustment of insulin dose and regimen as needed, and stabilization of diet and activity help minimize the risk of hypoglycemic episodes. The attending veterinarian should evaluate other adverse reactions on a case-by-case basis to determine if an adjustment in therapy is appropriate, or if alternative therapy should be considered.

Effectiveness: A total of 276 client-owned dogs were enrolled in an 84-day field study followed by a 98-day extended-use phase with 276 dogs receiving PROZINC. The dogs included various purebred and mixed breed dogs ranging in age from 2 to 16 years and in weight from 3.3 to 123 pounds. There were 128 neutered males, 8 intact males, 134 spayed females and 6 intact females. Two hundred twenty-four dogs (224) were included in the effectiveness analysis. Dogs were started on PROZINC at a dose of 0.2-0.5 IU/lb (0.5-1.0 IU/kg) once daily. Dogs were evaluated at 7, 14, 21, 28, 42, 63 and 84 days after initiation of therapy. The dose was adjusted based on clinical signs and results of 9-hour blood glucose curves on Days 7, 14, 21, 28, 42, 63 and 84.

Effectiveness was based on successful control of diabetes which was defined as improvement in at least one laboratory variable (blood glucose curve mean, blood glucose curve nadir, or fructosamine) and at least one clinical sign (polyuria, polydipsia, or weight loss). Based on this definition, 162 of 224 cases (72%) were considered successful.

How Supplied: PROZINC is supplied as a sterile injectable suspension in 10 mL and 20 mL multi-dose vials. Each mL of PROZINC contains 40 IU recombinant human insulin.

Storage Conditions: Store in an upright position under refrigeration at 36-46°F (2-8°C). Do not freeze. Protect from light. **Use the 10 mL vial within 60 days of first puncture. Use the 20 mL vial within 80 days of first puncture.**

Approved by FDA under NADA # 141-297

Marketed by:

Boehringer Ingelheim Animal Health USA Inc. Duluth, GA 30096

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Revised 08/2019

449986-01



Package Insert for Cats

ProZinc® (protamine zinc recombinant human insulin)

40 IU/mL

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

Description: PROZINC® is a sterile aqueous protamine zinc suspension of recombinant human insulin.

Each mL contains:

recombinant human insulin	40 International Units (IU)
protamine sulfate	0.466 mg
zinc oxide	0.088 mg
glycerin	16.00 mg
dibasic sodium phosphate, heptahydrate	3.78 mg
phenol (added as preservative)	2.50 mg
hydrochloric acid	1.63 mg
water for injection (maximum)	1005 mg
pH is adjusted with hydrochloric acid and/or sodium hydroxide.	

Indication: PROZINC (protamine zinc recombinant human insulin) is indicated for the reduction of hyperglycemia and hyperglycemia-associated clinical signs in cats with diabetes mellitus.

Dosage and Administration: USE OF A SYRINGE OTHER THAN A U-40 SYRINGE WILL RESULT IN INCORRECT DOSING.

FOR SUBCUTANEOUS INJECTION ONLY.

DO NOT SHAKE OR AGITATE THE VIAL.

PROZINC should be mixed by gently rolling the vial prior to withdrawing each dose from the vial. Once mixed, PROZINC suspension has a white, cloudy appearance. Clumps or visible white particles can form in insulin suspensions; do not use the product if clumps or visible white particles persist after gently rolling the vial.

Using a U-40 insulin syringe, the injection should be administered subcutaneously on the back of the neck or on the side of the cat.

Always provide the Client Information Sheet with each prescription.

The initial recommended PROZINC dose is 0.1 – 0.3 IU insulin/pound of body weight (0.2 – 0.7 IU/kg) every 12 hours. The dose should be given concurrently with or right after a meal. The veterinarian should re-evaluate the cat at appropriate intervals and adjust the dose based on both clinical signs and glucose nadirs until adequate glycemic control has been attained. In the effectiveness field study, glycemic control was considered adequate if the glucose nadir from a 9-hour blood glucose curve was between 80 and 150 mg/dL and clinical signs of hyperglycemia such as polyuria, polydipsia, and weight loss were improved.

Further adjustments in the dosage may be necessary with changes in the cat's diet, body weight, or concomitant medication, or if the cat develops concurrent infection, inflammation, neoplasia, or an additional endocrine or other medical disorder.

Contraindications: PROZINC is contraindicated in cats sensitive to protamine zinc recombinant human insulin or any other ingredients in PROZINC. PROZINC is contraindicated during episodes of hypoglycemia.

Warnings: User Safety: For use in cats and dogs only. Keep out of the reach of children. Avoid contact with eyes. In case of contact, immediately flush eyes with running water for at least 15 minutes. Accidental injection may cause hypoglycemia. In case of accidental injection, seek medical attention immediately. Exposure to product may induce a local or systemic allergic reaction in sensitized individuals.

Animal Safety: Owners should be advised to observe for signs of hypoglycemia (see Client Information Sheet). Use of this product, even at established doses, has been associated with hypoglycemia. A cat with signs of hypoglycemia should be treated immediately. Glucose should be given orally or intravenously as dictated by clinical signs. Insulin should be temporarily withheld and, if indicated, the dosage adjusted.

Any change in insulin should be made cautiously and only under a veterinarian's supervision. Changes in insulin strength, manufacturer, type, species (human, animal) or method of manufacture (rDNA versus animal-source insulin) may result in the need for a change in dosage.

Appropriate diagnostic tests should be performed to rule out other endocrinopathies in diabetic cats that are difficult to regulate.

Precautions: Cats presenting with severe ketoacidosis, anorexia, lethargy, and/or vomiting should be stabilized with short-acting insulin and appropriate supportive therapy until their condition is stabilized. As with all insulin products, careful patient monitoring for hypoglycemia and hyperglycemia is essential to attain and maintain adequate glycemic control and to prevent associated complications. Overdose can result in profound hypoglycemia and death.

Glucocorticoids, progestogens, and certain endocrinopathies can have an antagonistic effect on insulin activity. Glucocorticoid and progestogen use should be avoided.

The safety and effectiveness of PROZINC in breeding, pregnant, and lactating cats has not been evaluated.

The safety and effectiveness of PROZINC in kittens has not been evaluated.

Adverse Reactions: Effectiveness Field Study

In a 45-day effectiveness field study, 176 cats received PROZINC. Hypoglycemia (defined as a blood glucose value of < 50 mg/dL) occurred in 71 of the cats at various times throughout the study. Clinical signs of hypoglycemia were generally mild in nature (described as lethargic, sluggish, weak, trembling, uncoordinated, groggy, glassy-eyed or dazed). In 17 cases, the veterinarian provided oral glucose supplementation or food as treatment. Most cases were not associated with clinical signs and received no treatment. One cat had a serious hypoglycemic event associated with stupor, lateral recumbency, hypothermia and seizures. All cases of hypoglycemia resolved with appropriate therapy and if needed, a dose reduction.

Three cats had injection site reactions which were described as either small, punctate, red lesions; lesions on neck; or palpable subcutaneous thickening. All injection site reactions resolved without cessation of therapy.

Four cats developed diabetic neuropathy during the study as evidenced by plantigrade stance. Three cats entered the study with plantigrade stance, one of which resolved by Day 45. Four cats were diagnosed with diabetic ketoacidosis during the study. Two were euthanized due to poor response to treatment. Five other cats were euthanized during the study, one of which had hypoglycemia. Four cats had received PROZINC for less than a week and were euthanized due to worsening concurrent medical conditions.

The following additional clinical observations or diagnoses were reported in cats during the effectiveness field study: vomiting, lethargy, diarrhea, cystitis/hematuria, upper respiratory infection, dry coat, hair loss, ocular discharge, abnormal vocalization, black stool, and rapid breathing.

Extended Use Field Study

Cats that completed the effectiveness study were enrolled into an extended use field study. In this study, 145 cats received PROZINC for up to an additional 136 days. Adverse reactions were similar to those reported during the 45-day effectiveness study and are listed in order of decreasing frequency: vomiting, hypoglycemia, anorexia/poor appetite, diarrhea, lethargy, cystitis/hematuria, and weakness. Twenty cats had signs consistent with hypoglycemia described as: sluggish, lethargic, unsteady, wobbly, seizures, trembling, or dazed. Most of these were treated by the owner or veterinarian with oral glucose supplementation or food; others received intravenous glucose. One cat had a serious hypoglycemic event associated with seizures and blindness. The cat fully recovered after supportive therapy and finished the study. All cases of hypoglycemia resolved with appropriate therapy and if needed, a dose reduction.

Fourteen cats died or were euthanized during the extended use study. In two cases, continued use of insulin despite anorexia and signs of hypoglycemia contributed to the deaths. In one case, the owner decided not to continue therapy after a presumed episode of hypoglycemia. The rest were due to concurrent medical conditions or worsening of the diabetes mellitus.

To report suspected adverse drug events, for technical assistance or to obtain a copy of the Safety Data Sheet (SDS), contact Boehringer Ingelheim at 1-888-637-4251.

For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at <http://www.fda.gov/reportanimalae>.

Information for Cat Owners: Please refer to the Client Information Sheet for Cats for more information about PROZINC. PROZINC, like other insulin products, is not free from adverse reactions. Owners should be advised of the potential for adverse reactions and be informed of the associated clinical signs. Potential adverse reactions include: hypoglycemia, insulin antagonism/resistance, rapid insulin metabolism, insulin-induced hyperglycemia (Somogyi Effect), and local or systemic reactions. The most common adverse reaction observed is hypoglycemia. Signs may include: weakness, depression, behavioral changes, muscle twitching, and anxiety. In severe cases of hypoglycemia, seizures and coma can occur. Hypoglycemia can be fatal if an affected cat does not receive prompt treatment. Appropriate veterinary monitoring of blood glucose, adjustment of insulin dose and regimen as needed, and stabilization of diet and activity help minimize the risk of hypoglycemic episodes. The attending veterinarian should evaluate other adverse reactions on a case-by-case basis to determine if an adjustment in therapy is appropriate, or if alternative therapy should be considered.

Effectiveness: A total of 187 client-owned cats were enrolled in a 45-day field study, with 176 receiving PROZINC. One hundred and fifty-one cats were included in the effectiveness analysis. The patients included various purebred and mixed breed cats ranging in age from 3 to 19 years and in weight from 4.6 to 20.8 pounds. Of the cats included in the effectiveness analysis, 101 were castrated males, 49 were spayed females, and 1 was an intact female.

Cats were started on PROZINC at a dose of 0.1–0.3 IU/lb (0.2–0.7 IU/kg) twice daily. Cats were evaluated at 7, 14, 30, and 45 days after initiation of therapy and the dose was adjusted based on clinical signs and results of 9-hour blood glucose curves on Days 7, 14, and 30.

Effectiveness was based on successful control of diabetes which was defined as improvement in at least one blood glucose variable (glucose curve mean, nadir, or fructosamine) and at least one clinical sign (polyuria, polydipsia, or body weight). Based on this definition, 115 of 151 cases (76.2%) were considered successful. Blood glucose curve means decreased from 415.3 mg/dL on Day 0 to 203.2 mg/dL by Day 45 and the mean blood glucose nadir decreased from 407.9 mg/dL on Day 0 to 142.4 mg/dL on Day 45. Mean fructosamine values decreased from 505.9 µmol/L on Day 0 to 380.7 µmol/L on Day 45.

Cats that completed the effectiveness study were enrolled in an extended use field study. The mean fructosamine value was 342.0 µmol/L after a total of 181 days of PROZINC therapy.

How Supplied: PROZINC is supplied as a sterile injectable suspension in 10 mL and 20 mL multi-dose vials. Each mL of PROZINC contains 40 IU recombinant human insulin.

Storage Conditions: Store in an upright position under refrigeration at 36–46°F (2–8°C). Do not freeze. Protect from light. **Use the 10 mL vial within 60 days of first puncture. Use the 20 mL vial within 80 days of first puncture.**

Approved by FDA under NADA # 141-297

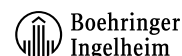
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Duluth, GA 30096

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449986-01



SUNDAY, SEPTEMBER 5

DENTISTRY PM

HANDS-ON LAB 

OQUENDO CAMPUS

- 4 CE Hours
1:30-5:30P
Rabbit Dentistry Lab **H005**
Daniel Johnson

MONDAY, SEPTEMBER 6

AVIAN, SMALL MAMMAL PM

ISLANDER E, LEVEL 0

Moderator: David Demery

- 1 CE Hour
2:00-2:50p
Rabbit Calcium Metabolism, Bladder Sludge & Urolithiasis **EX04**
Daniel Johnson
- 1 CE Hour
3:00-3:50p
Top 10 Exotic Companion Mammal Diseases You Need to Know **EX05**
Daniel Johnson
- 1 CE Hour
4:00-4:50p
Common Cancers of Exotic Companion Mammals **EX06**
Daniel Johnson
- 1 CE Hour
5:00-5:50p
At Home Foraging Ideas for Clients & Their Birds **EX07**
Jeffrey Applegate

SMALL MAMMAL AM

ISLANDER E, LEVEL 0

Moderator: Gerald Flottmann

- 1 CE Hour
9:00-9:50a
Hedgehog Medicine & Common Diseases **EX01**
Daniel Johnson
- 1 CE Hour
10:00-10:50a
Ferret Endocrine Disease **EX02**
Daniel Johnson
- 1 CE Hour
11:00-11:50a
Essential Exotic Companion Mammal Surgeries **EX03**
Daniel Johnson

TUESDAY, SEPTEMBER 7

AQUATIC MEDICINE, AVIAN, REPTILE, SMALL MAMMAL AM

ISLANDER E, LEVEL 0

Moderator: Gerald Flottmann

- 1 CE Hour
8:00-8:50a
Small Mammal Anesthesia **EX08**
Julie Balko
- 1 CE Hour
9:00-9:50a
Avian Anesthesia: More than just Duck, Duck, Goose! **EX09**
Julie Balko
- 1 CE Hour
10:35-11:25a
Reptile Anesthesia **EX10**
Julie Balko
- 1 CE Hour
11:35a-12:25p
Aquatic Anesthesia & Euthanasia: The Tip of the Iceberg **EX11**
Julie Balko

EXOTICS, SMALL MAMMAL PM

ISLANDER E, LEVEL 0

Moderator: Amy Mason

- 1 CE Hour
2:00-2:50p
It's a Gut Thing I: GI Anatomy, Physiology & Nutrition of Exotic Companion Herbivores - Rabbits, Guinea Pigs & Chinchillas **EX12**
Micah Kohles
- 1 CE Hour
3:00-3:50p
It's a Gut Thing II: GI Anatomy, Physiology & Nutrition of Exotic Companion Mammals - Ferrets, Hedgehogs, Hamsters, Rats & Everyone Else! **EX13**
Micah Kohles
- 1 CE Hour
4:35-5:25p
Food for Thought! Foraging Enrichment in Exotic Companion Animals **EX14**
Micah Kohles
- 1 CE Hour
5:35-6:25p
Rabbit Hemorrhagic Disease Virus (RHDV-2) **EX15**
Micah Kohles

WEDNESDAY, SEPTEMBER 8

AQUATIC MEDICINE, AVIAN, WILDLIFE PM

ISLANDER E, LEVEL 0

Moderator: Michael Pedersen

- 1 CE Hour
2:00-2:50p
Avian Radiology: Soft Tissue Anatomy & Case Review **EX20**
Jeffrey Applegate
- 1 CE Hour
3:00-3:50p
Avian Radiology: Orthopedic Anatomy & Case Review **EX21**
Jeffrey Applegate
- 1 CE Hour
4:35-5:25p
Galápagos Wildlife Conservation **EX22**
Gregory Lewbart
- 1 CE Hour
5:35-6:25p
Coelenterate Medicine: Anemones, Corals & Jellyfishes **EX23**
Gregory Lewbart

AVIAN AM

ISLANDER E, LEVEL 0

Moderator: Chris Chamberlain

- 1 CE Hour
8:00-8:50a
CT Basics & Artifacts in Avian & Exotic Animal Medicine I **EX16**
M. Scott Echols
- 1 CE Hour
9:00-9:50a
CT Basics & Artifacts in Avian & Exotic Animal Medicine II **EX17**
M. Scott Echols
- 1 CE Hour
10:35-11:25a
Waterfowl Husbandry I **EX18**
M. Scott Echols
- 1 CE Hour
11:35a-12:25p
Waterfowl Husbandry II: Including Poultry Surgery **EX19**
M. Scott Echols

EXOTICS, REPTILE PM

ISLANDER G, LEVEL 0

Moderator: Constante Tinaza

☐ 1 CE Hour

2:00-2:50p

Analgesia in Reptiles: Highlights from the Recent Literature **EX24**

Miranda Sadar

☐ 1 CE Hour

3:00-3:50p

Reptile Therapeutics: Highlights from the Recent Literature **EX25**

Miranda Sadar

☐ 1 CE Hour

4:35-5:25p

Case Based Discussion: Avian, Reptile, Small Mammals I **EX26**

Miranda Sadar

☐ 1 CE Hour

5:35-6:25p

Case Based Discussion: Avian, Reptile, Small Mammals II **EX27**

Miranda Sadar

THURSDAY, SEPTEMBER 9

AMPHIBIAN, INVERTEBRATE MEDICINE, REPTILE AM

ISLANDER E, LEVEL 0

Moderator: Chris Chamberlain

☐ 1 CE Hour

8:00-8:50a

Terrestrial Invertebrate Medicine: Tarantulas, Scorpions, Millipedes & Insects **EX28**

Gregory Lewbart

☐ 1 CE Hour

9:00-9:50a

Common Amphibian Cases & Triage **EX29**

Gregory Lewbart

☐ 1 CE Hour

10:35-11:25a

Common Turtle/Tortoise Cases & Triage **EX30**

Gregory Lewbart

☐ 1 CE Hour

11:35a-12:25p

Common Lizard Cases & Triage **EX31**

Gregory Lewbart

AVIAN, SMALL MAMMAL PM

ISLANDER E, LEVEL 0

Moderator: Simon Chavez

☐ 1 CE Hour

2:00-2:50p

Diagnostic Testing in Chickens **EX32**

Miranda Sadar

☐ 1 CE Hour

3:00-3:50p

Respiratory Disease in Chickens **EX33**

Miranda Sadar

☐ 1 CE Hour

4:00-4:50p

Reproductive Disease in Chickens **EX34**

Miranda Sadar

☐ 1 CE Hour

5:00-5:50p

Small Mammal Jeopardy: Interactive Session **EX35**

Miranda Sadar

+HUMAN-ANIMAL BOND AM SYMPOSIUM



MANDALAY BAY J, LEVEL 2

Moderator: Kimberly Pope-Robinson

☐ 1 CE Hour

8:00-8:50a

Symbiosis or Scourge? What Emerging Diseases Teach Us about Our Unhealthy Relationship with Wildlife **S28A**

Kristine Smith

☐ 1 CE Hour

9:00-9:50a

Holy Echolocation, Batman! Bats Are Amazing! **BAAAAAAMM S28B**

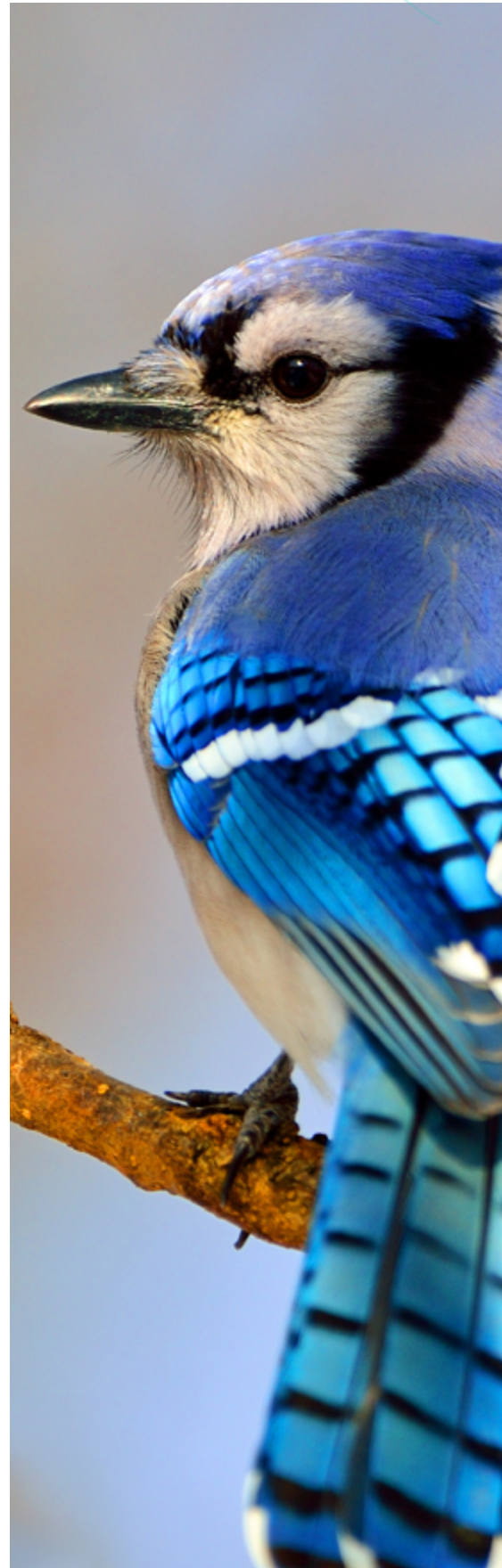
Patrick Flynn

☐ 1 CE Hour

11:35a-12:25p

From Pastimes to Pets: Exploring Our Bond with Non-traditional Species **S28D**

Dana Varble



MORE HANDS-ON CE YEAR ROUND

Conference isn't the only time to get CE.
Browse our hands-on courses happening all year!



DATES	COURSE	LEAD INSTRUCTOR
09/21/21	Stifle Surgery: From Extracapsular Stabilization to Patellar Luxation	Dr. Don Hulse
09/26/21	Canine and Feline Double Down Dentistry: Rads to Flaps, the Tooth Is Coming Out	Dr. Paul Mitchell
09/30/21	Small Animal Arthroscopy for the General Practitioner	Dr. Caleb Hudson
09/30/21	Advanced Soft Tissue Surgery: Head, Neck, Abdomen and Perineal	Dr. Philipp Mayhew
10/09/21	EndoEar: Enhanced Endoscopic Diagnosis and Intervention for Ear Disease in Small Animals	Dr. Munir Kureshi
10/17/21	Advanced Small Animal Ultrasound: Head to Tail Imaging the Soft Tissues and Musculoskeletal System	Dr. Clifford (Kip) Berry
10/28/21	Ophthalmic Examination Techniques: Getting the Most of Your Eye Exam	Dr. David Maggs
10/29/21	Ophthalmic Surgery for the General Practitioner: Routine and Emergency Treatment of Eyes	Dr. David Maggs
11/04/21	Practical Techniques in Soft Tissue & Orthopedic Surgery	Dr. Howard Seim III
11/05/21	Laparoscopic Surgery for Small Animal Practitioners	Dr. Philipp Mayhew
11/07/21	Advanced Soft Tissue Surgery: Urinary and GI Surgeries and Management	Dr. Howard Seim III
11/15/21	TPLO: Honing Your Technique for Cranial Cruciate Repair	Dr. Caleb Hudson
12/03/21	Flexible & Rigid Endoscopy	Dr. Todd Tams
12/05/21	Core Surgical Procedures for the GP and the Emergency Vet	Dr. Nancy Zimmerman
12/12/21	Practical Techniques in Soft Tissue & Orthopedic Surgery	Dr. Howard Seim III
12/15/21	Advanced Soft Tissue Surgery: Urinary and GI Surgeries and Management	Dr. Howard Seim III

MONDAY, SEPTEMBER 6

GENETICS, NEUROLOGY AM/PM

ISLANDER G, LEVEL 0

Moderator: Thomas Hartgrove

☐ 1 CE Hour

9:00-9:50a

Equine Genetics Overview & Current Tests [EQ13](#)

Carrie Finno

☐ 1 CE Hour

10:00-10:50a

Equine Genetic Case Studies [EQ14](#)

Carrie Finno

☐ 1 CE Hour

11:00-11:50a

Equine Neuroaxonal Dystrophy / Degenerative Myeloencephalopathy (eNAD / EDM) [EQ15](#)

Carrie Finno

☐ 1 CE Hour

2:00-2:50p

Vitamin E Deficiency in the Horse [EQ16](#)

Carrie Finno

INFECTIOUS DISEASE AM

ISLANDER F, LEVEL 0

Moderator: Jerry Billquist

☐ 1 CE Hour

9:00-9:50a

Managing Strangles Outbreaks [EQ17](#)

Ashley Boyle

☐ 1 CE Hour

10:00-10:50a

Strangles: Unusual Cases, Effective Treatments [EQ18](#)

Ashley Boyle

☐ 1 CE Hour

11:00-11:50a

Strangles: What is on the Horizon? [EQ19](#)

Ashley Boyle

REGENERATIVE MEDICINE, WOUND MANAGEMENT PM

ISLANDER F, LEVEL 0

Moderator: Rochen Heers

☐ 1 CE Hour

2:00-2:50p

Management of Acute Wounds in the Horse [EQ32](#)

Linda Dahlgren

☐ 1 CE Hour

3:00-3:50p

Management of Chronic Wounds in the Horse [EQ33](#)

Linda Dahlgren

☐ 1 CE Hour

4:35-5:25p

Equine Skin Grafting [EQ34](#)

Linda Dahlgren

☐ 1 CE Hour

5:35-6:25p

Regenerative Medicine Therapies in Equine Practice [EQ35](#)

Linda Dahlgren

TUESDAY, SEPTEMBER 7

IMAGING-ULTRASOUND, INTERNAL MEDICINE, RESPIRATORY PM

ISLANDER G, LEVEL 0

Moderator: Thomas Hartgrove

☐ 1 CE Hour

2:00-2:50p

Equine Metacarpal / Metatarsal Ultrasound Fundamentals [EQ24](#)

Jarrod Troy

☐ 1 CE Hour

3:00-3:50p

Equine Laryngeal Ultrasound: What Can You See Without Endoscopy? [EQ25](#)

Jarrod Troy

☐ 1 CE Hour

4:35-5:25p

Poor Performance: When it Looks Like Lameness, but It Is Not [EQ26](#)

Jarrod Troy

☐ 1 CE Hour 

5:35-6:25p

Respiratory Power Hour [EQ27P](#)

Macarena Sanz, Jarrod Troy

 Power Hour



INFECTIOUS DISEASE PM

ISLANDER F, LEVEL 0

Moderator: Rob Keene



□ 1 CE Hour*

2:00-2:50p

Is That Horse Dumb? Nah, Just Rabid

EQ20

Jenifer Chatfield

□ 1 CE Hour

3:00-3:50p

Moon? What Moon? I Can't See It?

(Equine Lepto) EQ21

Jenifer Chatfield

□ 1 CE Hour*

4:35-5:25p

No Ticks on Us, Right? EQ22

Jenifer Chatfield

□ 1 CE Hour*

5:35-6:25p

New Kids in the Barn EQ23

Jenifer Chatfield

LAMENESS AM

ISLANDER F, LEVEL 0

Moderator: Jerry Billquist

□ 1 CE Hour

8:00-8:50a

Kissing Spines in the Horse: Fact or

Fiction EQ28

Elizabeth Davidson

□ 1 CE Hour

9:00-9:50a

Equine Stifle: Maximizing Diagnostics

EQ29

Elizabeth Davidson

□ 1 CE Hour

10:35-11:25a

Ridden Gait Evaluation EQ30

Elizabeth Davidson

□ 1 CE Hour

11:35a-12:25p

Equine Neck Pain: Diagnosis &

Treatment Options EQ31

Elizabeth Davidson

WEDNESDAY, SEPTEMBER 8

BEHAVIOR AM

ISLANDER F, LEVEL 0

Moderator: Patricia Zahorecz

□ 1 CE Hour

8:00-8:50a

An Introduction to Evidence-based

Behavior EQ01

Gemma Pearson

□ 1 CE Hour

9:00-9:50a

How to Stay Safe Working with Horses

EQ02

Gemma Pearson

□ 1 CE Hour

10:35-11:25a

Practical Application of Equine Behavior

to Everyday Cases EQ03

Gemma Pearson

□ 1 CE Hour

11:35a-12:25p

From Poor Performance to the Moody

Mare: Understanding What Is Pain,

Hormonal, or Behavioral in Origin EQ04

Gemma Pearson

INTERNAL MEDICINE,
RESPIRATORY PM

ISLANDER F, LEVEL 0

Moderator: Rob Keene

□ 1 CE Hour

2:00-2:50p

Diagnostic Tests for Equine Respiratory

Disease: Which One, How to & When?

EQ09

Macarena Sanz

□ 1 CE Hour

3:00-3:50p

Rhodococcus Equi: What Is Trending?

EQ10

Macarena Sanz

□ 1 CE Hour

4:35-5:25p

Take a Deep Breath: All You Should

Know about Equine Asthma EQ11

Macarena Sanz

□ 1 CE Hour

5:35-6:25p

Practical Guide to Oral & Rectal Fluid

Therapy in Horses EQ12

Macarena Sanz

THURSDAY, SEPTEMBER 9

ENDOCRINOLOGY, GERIATRICS,
NEONATOLOGY AM

ISLANDER F, LEVEL 0

Moderator: Patricia Zahorecz

□ 1 CE Hour

8:00-8:50a

Equine PPID: More than Hirsutism EQ05

Jamie Kopper

□ 1 CE Hour

9:00-9:50a

EMS, ID: More than Just Alphabet Soup

EQ06

Jamie Kopper

□ 1 CE Hour

10:35-11:25a

Preventative Medicine for Geriatric

Patients EQ07

Jamie Kopper

□ 1 CE Hour

11:35a-12:25p

Triage for the Sick Equine Neonate EQ08

Jamie Kopper

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MONDAY, SEPTEMBER 6

BEEF CATTLE, COW-CALF, NEUROLOGY, SMALL RUMINANT PM

ISLANDER H, LEVEL 0

Moderator: Thomas Furman

- ☐ 1 CE Hour
2:00-2:50p
Resuscitation & Critical Care of the Neonatal Calf FA15
Dusty Nagy
- ☐ 1 CE Hour
3:00-3:50p
Lame or Neuro? FA16
Dusty Nagy
- ☐ 1 CE Hour
4:00-4:50p
Challenging Cases in Cattle Medicine & Surgery FA17
Dusty Nagy
- ☐ 1 CE Hour
5:00-5:50p
Challenging Cases in Food & Fiber Animal Medicine & Surgery FA18
Dusty Nagy

GENETICS PM

ISLANDER G, LEVEL 0

Moderator: Michael Pedersen

- ☐ 1 CE Hour
3:00-3:50p
From Phenotypes to EPDs: EPD Calculation in Cowboy Language FA27
Wade Shafer
- ☐ 1 CE Hour
4:00-4:50p
Developing an Economic Selection Index: Audience Participation Required FA28
Wade Shafer
- ☐ 1 CE Hour
5:00-5:50p
A Cathartic Assessment of the Integration of Genetic Technology in Beef Cattle & A Proposed Path to More Rapid Progress FA29
Wade Shafer

SMALL RUMINANT AM

ISLANDER H, LEVEL 0

Moderator: B. Joe Dedrickson

- ☐ 1 CE Hour
9:00-9:50a
Diseases Transmitted in Milk for Backyard Producers of Small Ruminants FA42
Joan Bowen
- ☐ 1 CE Hour
10:00-10:50a
Management Matters: Neonatal Lamb & Kid Care FA43
Joan Bowen
- ☐ 1 CE Hour
11:00-11:50a
Management Matters: Improving Milk Production in Sheep and Goats FA44
Joan Bowen

TUESDAY, SEPTEMBER 7

DAIRY AM

ISLANDER H, LEVEL 0

Moderator: B. Joe Dedrickson

- ☐ 1 CE Hour
8:00-8:50a
The Veterinarian's Role in Artisan Production FA19
Joe Klopfenstein
- ☐ 1 CE Hour
9:00-9:50a
Small Ruminant Milk Quality & Mastitis FA20
Joe Klopfenstein
- ☐ 1 CE Hour
10:35-11:25a
Update on Mastitis Therapy FA21
Joe Klopfenstein
- ☐ 1 CE Hour
11:35a-12:25p
Milk Quality Practice Tips FA22
Joe Klopfenstein

COW-CALF OPERATIONS PM

ISLANDER H, LEVEL 0

Moderator: Thomas Furman

- ☐ 1 CE Hour
2:00-2:50p
Turner Ranches Overview: What We Own, How We Operate on 1.8 Million Acres in the Western US FA09
Mark Kossler
- ☐ 1 CE Hour
3:00-3:50p
Feeding Bison on High Concentrate Rations: A New Approach FA10
Mark Kossler
- ☐ 1 CE Hour
4:35-5:25p
Turner Ranches: Bison Research Initiatives FA11
Mark Kossler
- ☐ 1 CE Hour
5:35-6:25p
Turner Ranches: A 40-Year Review of Bison Diseases Occurrences on Turner Ranches FA12P
Mark Kossler

INFECTIOUS DISEASE, THERIOGENOLOGY AM

ISLANDER G, LEVEL 0

Moderator: Jerry Woodruff

- ☐ 1 CE Hour
8:00-8:50a
Bovine Mannheimiosis: Past, Present & Future I FA23
John Davidson
- ☐ 1 CE Hour
9:00-9:50a
Bovine Mannheimiosis: Past, Present & Future II FA24
John Davidson
- ☐ 1 CE Hour
10:35-11:25a
Bovine Venereal Diseases with Emphasis on Trichomoniasis I FA25
John Davidson
- ☐ 1 CE Hour
11:35a-12:25p
Bovine Venereal Diseases with Emphasis on Trichomoniasis II FA26
John Davidson

WEDNESDAY, SEPTEMBER 8

BEEF CATTLE, FEEDLOT / STOCKER AM

ISLANDER G, LEVEL 0

Moderator: Jerry Woodruff

☐ 1 CE Hour

8:00-8:50a

Cattle Handling & Cattle Facility Design
FA05

Daniel Thomson

☐ 1 CE Hour

9:00-9:50a

Managing Newly Arrived Feeder Cattle
FA06

Daniel Thomson

☐ 1 CE Hour

10:35-11:25a

Weaning Strategies for Beef Calves
FA07

Daniel Thomson

☐ 1 CE Hour

11:35a-12:25p

Feedlot Health: The Last 30 Days on
Feed FA08

Daniel Thomson

COMMUNICATIONS AM

ISLANDER H, LEVEL 0

Moderator: Mark Russak

☐ 1 CE Hour

8:00-8:50a

The Communication Challenge: Don't
Just Survive, Thrive! Part I FA01P

*W. Mark Hilton, Morgan McArthur,
Megan Skeffington*

☐ 1 CE Hour

9:00-9:50a

The Communication Challenge: Don't
Just Survive, Thrive! Part II FA02P

*W. Mark Hilton, Morgan McArthur,
Megan Skeffington*

☐ 1 CE Hour

10:35-11:25a

The Communication Challenge: Don't
Just Survive, Thrive! Part III FA03P

*W. Mark Hilton, Morgan McArthur,
Megan Skeffington*

☐ 1 CE Hour

11:35a-12:25p

The Communication Challenge: Don't
Just Survive, Thrive! Part IV FA04P

*W. Mark Hilton, Morgan McArthur,
Megan Skeffington*

SMALL RUMINANT PM

ISLANDER H, LEVEL 0

Moderator: Richard Kiely

☐ 1 CE Hour

2:00-2:50p

Introduction to Western Herbal Medicine
FA45

Cynthia Lankenau

☐ 1 CE Hour

3:00-3:50p

Metabolic Stress: The Liver & Spleen
FA46

Cynthia Lankenau

☐ 1 CE Hour

4:35-5:25p

Musculoskeletal Issues in the Small
Ruminant: A Matter of Pattern FA47

Cynthia Lankenau

☐ 1 CE Hour

5:35-6:25p

Reproductive Issues: Deficiency or
Excess FA48

Cynthia Lankenau

THURSDAY, SEPTEMBER 9

BEEF CATTLE, SMALL RUMINANT PM

ISLANDER F, LEVEL 0

Moderator: Constante Tinaza

☐ 1 CE Hour

2:00-2:50p

Small Ruminant Nutrition FA14

Bob Sager

☐ 1 CE Hour

3:00-3:50p

The Most Important & Critical
Reproductive Traits in Promotion of Net
Profit in a Beef Herd & with Options in
Retaining Weaned Calves for More Profit
FA13

Bob Sager



INFECTIOUS DISEASE AM

ISLANDER H, LEVEL 0

Moderator: Susan McCartney

☐1 CE Hour

8:00-8:50a

When it Comes to Immunology, Can We Have Too Much of a Good Thing? Part 1 FA38

Chris Chase

☐1 CE Hour

9:00-9:50a

When it Comes to Immunology, Can We Have Too Much of a Good Thing? Part 2 FA39

Chris Chase

☐1 CE Hour

10:35-11:25a

Mucosal Immunity, Vaccines & Vaccination Programs: Looking at Myths & Urban Legends FA40

Chris Chase

☐1 CE Hour

11:35a-12:25p

New Trends in Bovine Respiratory Disease Pathogenesis Including Mycoplasma Bovis FA41

Chris Chase

LIVESTOCK, THERIOGENOLOGY AM

ISLANDER G, LEVEL 0

Moderator: Richard Kiely

☐1 CE Hour

8:00-8:50a

Veterinary Medicine for Livestock Fairs & Shows FA30

Bret McNabb

☐1 CE Hour

9:00-9:50a

Showing Livestock in a Virtual World: Veterinary Challenges & Opportunities FA31

Bret McNabb

☐1 CE Hour

10:35-11:25a

Reproduction 101: The Basics of Estrus & Ovulation Synchronization FA32

Bret McNabb

☐1 CE Hour

11:35a-12:25p

Clinical Cases in Livestock Practice FA33

Bret McNabb

NUTRITION PM

ISLANDER H, LEVEL 0

Moderator: Susan McCartney

☐1 CE Hour

2:00-2:50p

Practical Calf Nutrition FA34

John Maas

☐1 CE Hour

3:00-3:50p

Copper Deficiency & Toxicity in Ruminants FA35

John Maas

☐1 CE Hour

4:00-4:50p

Selenium Metabolism in Ruminants FA36

John Maas

☐1 CE Hour

5:00-5:50p

Cattle Nutrition Case Studies & Associated Legal Considerations FA37

John Maas



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FREE AND INFORMATIVE Symposia provide a focused and themed approach to CE offerings for conference participants. Topics and speakers are cutting-edge, selected by sponsoring companies, and are approved by AAVSB RACE for CE credits. Look for 2021 Symposia highlighted by a "+" throughout the scientific sessions on pages 44-106. Advance registration/tickets are not required.

Title	Time	Location	Session #	Speaker(s)	Sponsor
Monday, September 6					
Technician Symposium	9:00-10:50a	Oceanside B, Level 2	S26	Kara Burns, Beckie Mossor	BOEHRINGER INGELHEIM ANIMAL HEALTH
Ceva Animal Health Dermatology Symposium	9:00-11:50a	Oceanside D, Level 2	S21	Brittany Lancellotti, Chiara Noli, Tim Nuttall	CEVA ANIMAL HEALTH
Wellbeing in Action	9:00-11:50a	South Pacific B, Level 0	S43	Rebecca Rose	NATIONAL ASSOCIATION OF VETERINARY TECHNICIANS IN AMERICA (NAVTA)
Pain Management Symposium for Veterinarians: Advanced Techniques & Methods Using CBD+CBDA for Treating Pain & Immobility	11:00a-5:50p	Oceanside B, Level 2	S14	Lindsay Elam, Michael Petty, Joseph Wakshlag	ELLEVET SCIENCES
Veterinary Technician / Nurse Leadership	2:00-2:50p	Breakers H, Level 2	S44	Kenichiro Yagi	NATIONAL ASSOCIATION OF VETERINARY TECHNICIANS IN AMERICA (NAVTA)
Discover How AI Technology Is Enhancing Diagnostics	2:00-4:50p	Oceanside C, Level 2	S11	Chris Adolph, Sarah Barrett, Richard Goldstein, Robert Gribble, Yoko Nagamori, Cory Penn	ZOETIS PETCARE
Diversity, Equality & Inclusion Symposium	2:00-5:50p	South Pacific B, Level 0	S02	Stéphanie-Anne Dulièpre Melody Martinez, Marie Sato Quicksall, Christina Tran	MULTICULTURAL VETERINARY MEDICAL ASSOCIATION, VVC
Purina® Pro Plan® Veterinary Diets Symposium	2:00-5:50p	Oceanside D, Level 2	S29	Craig Griffin, Alison Manchester, Stanley Marks, Galia Sheinberg	PURINA
Boarding in Your Vet Practice & Facility Kennels & Flooring	4:00-5:50p	South Pacific H, Level 0	S30	Jeff Adney, Scott Manning	MIDMARK CORPORATION
Tuesday, September 7					
Real World Dermatology: Expert Insights for Everyday Practice	8:00-11:25a	Oceanside C, Level 2	S09	Ashley Bourgeois, Lindsay McKay, Ann Trimmer	ZOETIS PETCARE
Infectious Disease Symposium	8:00-11:25a	Oceanside D, Level 2	S10	Linda Kidd, Michael Lappin, Richard Marconi	ZOETIS PETCARE
IVAPM Pain Management Symposium for Veterinarians	8:00a-12:25p	Mandalay Bay L, Level 2	S04	Pedro Boscan, Mark Epstein	ELANCO ANIMAL HEALTH, IVAPM - INTERNATIONAL VETERINARY ACADEMY OF PAIN MANAGEMENT
The Art of Hospice & Euthanasia	8:00a-12:25p	South Pacific D, Level 0	S34	Mary Gardner	CARECREDIT
Companion Animal Health Symposium I	8:00a-12:25p	Oceanside B, Level 2	S35	Sherman Canapp, Michael Petty, Andrew Rosenfeld, Chelsea Tripp	COMPANION ANIMAL HEALTH BY LITECURE
IDEXX: Skinny Cat Track	8:00a-12:25p	Mandalay Bay J, Level 2	S42	Michael Lappin, J. Catharine Scott-Moncrieff	IDEXX
Therapeutics Symposium	8:00a-3:50p	Mandalay Bay H, Level 2	S22	J. Catharine Scott-Moncrieff, Shelly Vaden, Cynthia Ward	BOEHRINGER INGELHEIM ANIMAL HEALTH
CKD, You Don't Know Me: Prediction, Diagnosis and Nutritional Management	10:35a-12:25p	Lagoon H, Level 2	S48	Adrienne Bautista, Jennifer Lopez	ANTECH DIAGNOSTICS, ROYAL CANIN
What's New in Cancer 2021	11:35 AM	Oceanside D, Level 2	S38	Sue Ettinger	VOLITION VETERINARY DIAGNOSTICS DEVELOPMENT
Finding Your Passion	2:00-2:50p	Breakers H, Level 2	S45	Linda Markland	NATIONAL ASSOCIATION OF VETERINARY TECHNICIANS IN AMERICA (NAVTA)
Virbac Next Level Sessions	2:00-3:50p	Mandalay Bay F, Level 2	S17	Laura Gaylord, Donna Raditic	VIRBAC
Wellness Symposium	2:00-3:50p	Oceanside D, Level 2	S23	Philip Richmond, Josh Vaisman	BOEHRINGER INGELHEIM ANIMAL HEALTH
IVAPM Pain Management Symposium for Veterinary Technicians	2:00-6:25p	Breakers K, Level 2	S05	Kristen Cooley, Mylissa Fitzpatrick	ELANCO ANIMAL HEALTH, IVAPM - INTERNATIONAL VETERINARY ACADEMY OF PAIN MANAGEMENT
IDEXX: Case-based Learning	2:00-6:25p	Oceanside C, Level 2	S41	Jorg Steiner	IDEXX
Otology & Pain Management Symposium	2:00-6:25p	Mandalay Bay L, Level 2	S06	Darren Berger, Caleb Hudson, Donna Sisak	ELANCO ANIMAL HEALTH

Title	Time	Location	Session #	Speaker(s)	Sponsor
Wednesday, September 8					
Dealing with Chronic Pain Doesn't Have to be Painful	8:00-11:25a	Oceanside D, Level 2	S12	Margaret Gruen, Kristin Kirkby Shaw, Duncan Lascelles	ZOETIS PETCARE
Leadership & Diversity in Veterinary Medicine	8:00-11:25a	Mandalay Bay J, Level 2	S39	Mia Cary, Lori Harbert, Laura Pletz	ROYAL CANIN
Practical Management of Canine CHF	8:00-11:35a	Oceanside B, Level 2	S19	Clarke Atkins, Michele Borgarelli, Kursten Pierce	CEVA ANIMAL HEALTH
Nationwide's Annual Veterinary Trends	8:00-8:50a	Oceanside C, Level 2	S33	Jules Benson	NATIONWIDE PET INSURANCE
Assisi Animal Health Symposium	8:00a-12:25p	Mandalay Bay B, Level 2	S01	Deirdre Chiaramonte, Robin Downing, Jeff Nichol, Kelly St. Denis	ASSISI ANIMAL HEALTH
Infectious Disease Symposium	8:00a-12:25p	Mandalay Bay F, Level 2	S24	Richard Ford, Brian Herrin, Michael Lappin, Jane Sykes	BOEHRINGER INGELHEIM ANIMAL HEALTH
Merck Animal Health Symposium	8:00a-3:50p	Mandalay Bay H, Level 2	S32	Melissa Bourgeois, Jenifer Chatfield, Natalie Marks, Margie Scherck, Fritz Wood	MERCK ANIMAL HEALTH
Nutramax Laboratories Veterinary Sciences Symposium	9:00a-12:25p	Oceanside C, Level 2	S16	Haley Leeper, Linda Messinger	NUTRAMAX LABORATORIES VETERINARY SCIENCES, INC.
Utilization of Bedside NT-proBNP within Primary Care Practice	9:00-9:50a	South Pacific J, Level 0	S03	Christopher Stauthammer	BIONOTE USA
One Health Parallels in Human and Animal Health Care	10:35a-12:25p	Reef, Level 2	S27	Gail Golab, Shawn Tsuda	AVMA, WVC
Ardent Animal Health Symposium	11:35a-12:25p	Oceanside D, Level 2	S18	Michael Hutchinson	ARDENT
Aim High: 7 Easy Ways to Build Your Hospital's Presence & Reputation	11:35a-12:25p	Mandalay Bay J, Level 2	S31	Mary Ann Vande Linde	LIFELearn ANIMAL HEALTH
Ceva Animal Health Feline Symposium	11:35a-2:50p	Oceanside B, Level 2	S20	Sheilah Robertson	CEVA ANIMAL HEALTH
Virbac Next Level Sessions	2:00-3:50p	Mandalay Bay J, Level 2	S15	Douglas DeBoer, Sue Ettinger, Pamela Jones	VIRBAC
Elanco Specialty Symposium	2:00-5:25p	Oceanside D, Level 2	S08	Chad Johannes, Michael Lappin, Jessica Pritchard	ELANCO ANIMAL HEALTH
Hill's Pet Nutrition Symposium	2:00-6:25p	Reef, Level 2	S25	Darren Berger, Ashley Bourgeois, Jennifer Macleay, Mike Robbins	HILL'S PET NUTRITION, INC.
Companion Animal Health Symposium II	3:00-5:25p	Oceanside B, Level 2	S36	John Godbold, Lisa Miller	COMPANION ANIMAL HEALTH BY LITECURE
Thursday, September 9					
Introduction to Cancer Genomics and Liquid Biopsy in Veterinary Medicine	8:00-9:50a	Oceanside C, Level 2	S37	Andi Flory, Daniel Grosu	PETDX
Veterinary Nurse Impact	8:00-11:25a	South Pacific J, Level 0	S46	Dennis Lopez, Dennis McCurnin	NATIONAL ASSOCIATION OF VETERINARY TECHNICIANS IN AMERICA (NAVTA)
Infectious Disease Symposium	8:00a-12:25p	Oceanside D, Level 2	S07	Michael Lappin, George Moore, Jessica Pritchard, Carol Reiner	ELANCO ANIMAL HEALTH
Human Animal Bond Symposium	8:00a-3:50p	Mandalay Bay J, Level 2	S28	Phil Arkow, Steve Dale, Patrick Flynn, Nicole Forsyth, Kristine Smith, Dana Varble	HUMAN ANIMAL BOND ASSOCIATION
Ethos Discovery: Scientific Veterinary Innovations	10:35a-6:25p	Oceanside C, Level 2	S13	Jacob Cawley, Chand Khanna, Kevin Mallory, Samuel Stewart	ETHOS DISCOVERY
Trends Impacting Veterinary Medicine	11:35a-12:25p	South Pacific J, Level 0	S47	Rebecca Rose	NATIONAL ASSOCIATION OF VETERINARY TECHNICIANS IN AMERICA (NAVTA)

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CE Sessions

(each session is approved for 1 hour of CE credit)

Wednesday, September 8 | Mandalay Bay H, Level 2

8:00–8:50 AM	Does My Cat Have a Drinking Problem? Hydration & Health in Feline Medicine	Margie Scherk, DVM, Dipl. ABVP (Feline)
9:00–9:50 AM	The View from the Exam Room	Jenifer Chatfield, DVM, Dipl. ACZM, Dipl. ACVPM
10:35–11:25 AM	The Big 5 Canine Vector Borne Diseases	Melissa Bourgeois, DVM, PhD, DACVM (Virology, Immunology)
11:35 AM–12:25 PM	Name that Pathogen	Jenifer Chatfield, DVM, Dipl. ACZM, Dipl. ACVPM
2:00–2:50 PM	It's Time to Spread the Herd (Immunity)!	Natalie Marks, DVM, CVJ
3:00–3:50 PM	Pharmacy Fight! How to Win Against Tough Competition	Fritz Wood



Industry Lunch*

12:45–1:45 PM | Mandalay Bay H, Level 2

Enhancing Compliance & Reducing Stress:
A Modern Perspective on Feline Parasite Protection

Robert P. Lavan, MS, MPVM, DVM, DACVPM
Joel Sailor, DVM

*Seating is limited.



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Join us for two unique WVC continuing education symposiums

Consider attending both symposiums to learn about cancer genomics and liquid biopsy, two complementary topics.

WHEN

Thursday, September 9th, 2021, 8:00am–8:50am

LOCATION

Oceanside C, Level 2

SYMPOSIUM TITLE

Cancer as a Disease of the Genome –
Explained (S37A)

PRESENTER

Daniel S. Grosu, MD, MBA

DESCRIPTION

This session will include a basic overview of landmark discoveries in genomics over the past decade, with a focus on cancer biology principles and relevance in dogs.
(Presentation CE Hours: 1)

WHEN

Thursday, September 9th, 2021, 9:00am–9:50am

LOCATION

Oceanside C, Level 2

SYMPOSIUM TITLE

Liquid Biopsy Methods for Noninvasive Cancer
Detection & Characterization (S37B)

PRESENTER

Dr. Andi Flory, DVM, DACVIM (Oncology)

DESCRIPTION

This session will introduce blood-based liquid biopsy for veterinary applications, including opportunities for cell-free DNA based liquid biopsy testing in the veterinary setting.
(Presentation CE Hours: 1)



WHAT HAPPENS HERE, CHANGES THEIR METABOLISM.

Introducing Tailored Nutrition for Spayed & Neutered Pets

**TUESDAY,
SEPT. 7**

2:00 PM

**Spay & Neuter: Change Their
Body. Change Their Diet.**

Symposium

Dr. Donna Raditic

Mandalay Bay F, Level 2

1 hour CE

3:00 PM

**My Big Fat Pet
Makeovers**

Symposium

Dr. Laura Gaylord

Mandalay Bay F, Level 2

1 hour CE

**WEDNESDAY,
SEPT. 8**

12:45 PM

**New Solutions for the
Pet Obesity Pandemic**

Industry Lunch

Dr. Donna Raditic and
Dr. Staci Scolavino

Oceanside C, Level 2

1 hour CE

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2021 WVC SYMPOSIUM

Join us as experts discuss the
latest research in adverse food reactions

September 6, 2021
Oceanside D, Level 2

2:00 – 2:50pm (Part 1)

3:00 – 3:50pm (Part 2)

Food Reactions: Two Dermatologists' Views on Fact, Fiction, and Science Fiction



Craig Griffin,
DVM, DACVD



Galia Sheinberg,
MVZ ESP DLACVD

4:00 – 4:50pm

Canine Chronic Enteropathy – Clinical Pearls
for Optimizing Diagnosis and Management



Stanley Marks,
BVSc, PhD, DACVIM (SAIM,
Oncology), DACVN

5:00 – 5:50pm

Diet as Therapy for Canine Chronic
Enteropathy – Why and How?



Alison Manchester,
DVM, DACVIM (SAIM)



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We've rounded up renowned experts in the field of dermatology for a half-day symposium. Space is limited, so don't miss out!

Wednesday, September 8, 2021 | Reef, Level 2

2:00 – 2:50 PM

WHAT I WISH I KNEW WHEN I GOT OUT OF VET SCHOOL CONCERNING DERM PATIENTS

Darren Berger, DVM, DACVD & Ashley Bourgeois, DVM, DACVD

3:00 – 3:50 PM

THE LATEST INNOVATION IN NUTRITION FOR YOUR ITCHY CANINE PATIENT

Mike Robbins, DVM & Jen MacLeay, MBA, DVM, PHD DACVM

4:35 – 5:25 PM

UPDATE AND PRACTICAL TIPS FOR MANAGEMENT OF ATOPY AND ALLERGIES

Darren Berger, DVM, DACVD & Ashley Bourgeois, DVM, DACVD

5:35 – 6:25 PM

ASK THE EXPERTS:
ROUND TABLE DISCUSSION/Q&A



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ElleVet speaking series at WVC

Monday, September 6, 2021 Oceanside B, Level 2

Street Medicine: Lessons Learned From the Road

11:00AM – 11:50AM

Speakers: Dr. Joe Wakshlag

Hemp Use in Veterinary Medicine: Lessons Learned from Quality Control & Pharmacokinetics

Time: 2:00PM – 2:50PM

Speaker: Dr. Joe Wakshlag
and Dr. Lindsay Elam

CBD-rich Hemp Extracts & Pain Management: Focus on Canine Osteoarthritis

Time: 3:00PM – 3:50PM

Speaker: Dr. Joe Wakshlag
and Dr. Mike Petty

CBD and Hemp in Management of the Seizures & Neurological Disorders

Time: 4:00PM – 4:50PM

Speaker: Dr. Joe Wakshlag

CBD-rich Hemp Extracts & The Immune System: Focus on Atopic Dermatitis

Time: 5:00PM – 5:50PM

Speaker: Dr. Joe Wakshlag

Also, visit us at booth #529!



All times are Pacific.

SYMPOSIUM	SESSION TITLE	SPEAKER	TIME	LOCATION
VIRTUALLY YOURS: DISCOVER HOW AI TECHNOLOGY IS ENHANCING DIAGNOSTICS	The Scoop on Poop: AI Technology Automates Efficiency and Expertise with In-Hospital Testing	Dr. Yoko Nagamori Dr. Cory Penn	2:00-2:50 PM	Oceanside C, Level 2
	Digital Cytopathology-Realtime Expert Help in Your Everyday Practice	Dr. Richard Goldstein Dr. Sarah Barrett	3:00-3:50 PM	Oceanside C, Level 2
	Break the Pet-Parasite Cycle: The Connection Between Prevention and Screening	Dr. Chris Adolph Dr. Rob Gribble	4:00-4:50 PM	Oceanside C, Level 2
REAL WORLD DERMATOLOGY: EXPERT INSIGHTS FOR EVERYDAY PRACTICE	Be a Derm Detective: Choosing the Right Therapy & Avoiding Pitfalls. A Case-based Approach to the Itchy Allergic Dog	Dr. Ashley Bourgeois	8:00-8:50 AM	Oceanside C, Level 2
	Did You Know? New Information for Treatment of Canine Allergic Dermatitis	Dr. Lindsay McKay	9:00-9:50AM	Oceanside C, Level 2
	When Itch is Not an Allergy: Allergy Imitators & Clues for Diagnosis	Dr. Ann Trimmer	10:35-11:25 AM	Oceanside C, Level 2
INFECTIOUS DISEASE SYMPOSIUM	Ticks Are in the Wild, West! What is the Risk of Disease?	Dr. Linda Kidd	8:00-8:50 AM	Oceanside D, Level 2
	Leveraging Antibiotics in the Fight Against Lyme	Dr. Rich Marconi	9:00-9:50 AM	Oceanside D, Level 2
	Getting Out of the Box: Fresh Thoughts on Infection	Dr. Mike Lappin	10:35-11:25 AM	Oceanside D, Level 2
DEALING WITH CHRONIC PAIN DOES NOT HAVE TO BE PAINFUL	What Is This Thing Called Nerve Growth Factor and How Does It Impact Osteoarthritis Pain?	Dr. Duncan Lascelles	8:00-8:50 AM	Oceanside D, Level 2
	Cats Don't Make It Easy: Helpful Tools to Assess, Manage & Treat Feline OA	Dr. Margaret Gruen	9:00-9:50 AM	Oceanside D, Level 2
	STOP Being Scared of the Ortho Exam! My Top 4 Magic Tips	Dr. Kristin Shaw	10:35-11:25 AM	Oceanside D, Level 2

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HUMAN ANIMAL BOND ASSOCIATION PRESENTS

8:00am - 8:50am: Symbiosis or Scourge? What Emerging Diseases Teach Us About Our Unhealthy Relationship With Wildlife

9:00am - 9:50am: Holy Echolocation, Batman! Bats Are Amazing! BAAAAAMM

10:35am - 11:25am: Cats Really Are Man's (and Woman's) Best Friends: But Is the Bond as Real as It Is with Dogs?

11:35am - 12:25pm: From Pastimes to Pets: Exploring Our Bond with Non-traditional Species

2:00pm - 2:50pm: One Health & the "Dark Side" of the Human-Animal Bond: Preparing a Protocol Response to Suspected Animal Cruelty, Abuse, & Neglect

3:00pm - 3:50pm: Exploring the Role of the Veterinary Community in Helping Break Cycles of Abuse in Domestic Violence

Madalay Bay J, Level 2

SEPTEMBER 9, 2021



INDUSTRY BREAKFAST SEMINARS

LEARN MORE ABOUT WHAT'S NEW IN THE INDUSTRY

Come hungry! Food and knowledge will be served.



INDUSTRY BREAKFAST SEMINARS

6:30-7:30a, Tuesday-Thursday

Title	Time	Location	Session #	Speaker(s)	Sponsor
TUESDAY, SEPTEMBER 7					
The Power of Preanesthetics	6:30-7:30a	Oceanside D, Level 2	IS01	Tamara Grubb	ZOETIS PETCARE
Heartworm: Why It Still Matters	6:30-7:30a	Oceanside C, Level 2	IS02	Andrew Moorhead	BOEHRINGER INGELHEIM ANIMAL HEALTH
WEDNESDAY, SEPTEMBER 8					
Parasitology in Practice: Making Sense of the Middle	6:30-7:30a	Oceanside D, Level 2	IS08	Byron Blagburn	ELANCO ANIMAL HEALTH
Managing Chronic Pain: Beyond Pharma	6:30-7:30a	Oceanside C, Level 2	IS09	Robin Downing	LINTBELLS INC
Osteoarthritis & A Team-based Approach: A Case Driven Discussion	6:30-7:30a	Oceanside B, Level 2	IS10	Bryan Torres	BOEHRINGER INGELHEIM ANIMAL HEALTH
THURSDAY, SEPTEMBER 9					
Hypercalcemia in Dogs & Cats: What You Don't Know	6:30-7:30a	Oceanside D, Level 2	IS15	Dennis Chew	ZOETIS PETCARE
Health of the Healers	6:30-7:30a	Oceanside C, Level 2	IS16	Turpin Mott	NVA
Cannabinoid Science for Pet Health 101	6:30-7:30a	Oceanside B, Level 2	IS17	Annie Casta, Blake Smith	CHOU2 PHARMA



Must RSVP for seminars

Explore the veterinary profession's most pressing topics as addressed by scientific and business experts while you enjoy a pleasant complimentary food break. Industry Breakfast or Lunch Seminars provide excellent opportunities for you to become up-to-date about the most recent clinical results and products new to the marketplace. Breakfast or lunch provided. Seating is limited and available on a first-come, first-served basis.



INDUSTRY LUNCH SEMINARS

12:45-1:45p, Tuesday-Thursday

Title	Time	Location	Session #	Speaker(s)	Sponsor
TUESDAY, SEPTEMBER 7					
Managing Osteoarthritis in Dogs	12:45-1:45p	Oceanside D, Level 2	IS04	Denis Marcellin-Little	ELANCO ANIMAL HEALTH
A Practical Guide to Managing Osteoarthritis: Making Sense of Current Therapies	12:45-1:45p	Mandalay Bay H, Level 2	IS06	Bryan Torres	BOEHRINGER INGELHEIM ANIMAL HEALTH
Pets, People, Preventive Care: Putting Your Superhero Powers to Work	12:45-1:45p	Oceanside B, Level 2	IS07	Sarah Sweet	IDEXX
WEDNESDAY, SEPTEMBER 8					
Don't Be A SkepTICK: Understand the Vector Borne Risks Everywhere	12:45-1:45p	Oceanside D, Level 2	IS11	Yoko Nagamori	ZOETIS PETCARE
New Solutions for the Pet Obesity Pandemic	12:45-1:45p	Oceanside C, Level 2	IS12	Donna Raditic, Staci Scolavino	VIRBAC
Enhancing Compliance & Reducing Stress: A Modern Perspective on Feline Parasite Protection	12:45-1:45p	Mandalay Bay H, Level 2	IS13	Robert Lavan, Joel Sailor	MERCK ANIMAL HEALTH
Just Breathe: A Comprehensive Clinical Approach to Canine Infectious Respiratory Disease	12:45-1:45p	Oceanside B, Level 2	IS14	Carol Reinero	BOEHRINGER INGELHEIM ANIMAL HEALTH
THURSDAY, SEPTEMBER 9					
When Life Gives You Lyme(s): Misconceptions & Protecting Your Patients from Borrelia	12:45-1:45p	Oceanside D, Level 2	IS18	Jessica Pritchard	ELANCO ANIMAL HEALTH

HANDS-ON LABORATORIES

Title	Time	Session #	Fee	Max#	Level	CE	Instructor(s)	Sponsor
SUNDAY, SEPTEMBER 5								
Complete Abdominal Ultrasound: Performing a Systematic Scan of All Abdominal Organs	7:30-11:30a	H019	\$695	32	V	4	Clifford (Kip) Berry, Robert Cole, George Henry, Elizabeth Huynh, Jody Lawver, Reynsen Shigemoto, Krystina Stadler, Federico Vilaplana-Grosso	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
Common Hip Surgery for the General Practitioner	7:30a-4:30p	H033	\$850	24	V	8	Kenneth Bruecker, Laurent Guiot, Steven Petersen, Jennifer Simpson	MOROVA
Complete Abdominal Ultrasound: Performing a Systematic Scan of All Abdominal Organs	1:30-5:30p	H020	\$695	32	V	4	Clifford (Kip) Berry, Robert Cole, Robson Giglio, George Henry, Elizabeth Huynh, Jody Lawver, Reynsen Shigemoto, Krystina Stadler	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
Ocular Surgical Techniques for General Practitioners	1:30-5:30p	H018	\$575	24	V	4	Rustin Sturgeon, Mark Bobofchak, Neal Wasserman	CORZA MEDICAL, MIDWEST VETERINARY SUPPLY, SURGITEL
Rabbit Dentistry Lab	1:30-5:30p	H005	\$495	24	V VT	4	Daniel Johnson	MIDMARK CORPORATION, JORGENSEN LABORATORIES, MAI ANIMAL HEALTH
MONDAY, SEPTEMBER 6								
Complete Abdominal Ultrasound: Performing a Systematic Scan of All Abdominal Organs	7:30-11:30a	H021	SOLD OUT	32	V	4	Clifford (Kip) Berry, Robert Cole, Robson Giglio, George Henry, Elizabeth Huynh, Jody Lawver, Reynsen Shigemoto, Krystina Stadler	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
Feline Extraction Lab & Regional Nerve Blocks	7:30-11:30a	H008	\$495	30	V	4	Barden Greenfield, Stephanie Goldschmidt, Christopher Snyder	CORZA MEDICAL, COVETRUS, DENTALAIRE, IM3, INC, MIDMARK CORPORATION, SECUROS, SURGITEL
Key to Successful Treatment of Patellar Luxation in Dogs	7:30a-4:30p	H031	\$850	24	V	8	Kenneth Bruecker, Laurent Guiot, Steven Petersen, Jennifer Simpson	MOVORA
Ruby Joint Stabilization System for Canine Cruciate Deficiency	7:30a-5:30p	H001	\$850	16	V	9	Otto Lanz	KYON VETERINARY SURGICAL PRODUCTS
Acute Abdominal Ultrasound: Focusing on Common Organs Involved in Acute Disease	1:30-5:30p	H022	\$695	32	V	4	Clifford (Kip) Berry, Robert Cole, George Henry, Elizabeth Huynh, Jody Lawver, Reynsen Shigemoto, Krystina Stadler, Federico Vilaplana-Grosso	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCAR
Canine Extraction Lab & Regional Nerve Blocks	1:30-5:30p	H009	\$495	30	V	4	Barden Greenfield, Stephanie Goldschmidt, Christopher Snyder	CORZA MEDICAL, COVETRUS, DENTALAIRE, IM3, INC, MIDMARK CORPORATION, SECUROS, SURGITEL
TUESDAY, SEPTEMBER 7								
Acute Abdominal Ultrasound: Focusing on Common Organs Involved in Acute Disease	7:30-11:30a	H023	\$695	32	V	4	Clifford (Kip) Berry, Robert Cole, George Henry, Elizabeth Huynh, Jody Lawver, Reynsen Shigemoto, Krystina Stadler, Federico Vilaplana-Grosso	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
Canine Extraction Lab & Regional Nerve Blocks	7:30-11:30a	H010	\$495	30	V	4	Barden Greenfield, Stephanie Goldschmidt, Christopher Snyder	CORZA MEDICAL, COVETRUS, DENTALAIRE, IM3, INC, MIDMARK CORPORATION, SECUROS, SURGITEL
Emergency & Critical Care Procedures	7:30-11:30a	H014	\$495	24	V	4	Nancy Zimmerman, Tonya Stephens, Lynel Tocci, Caroline Tonozi	MILA INTERNATIONAL, INC, JORGENSEN LABORATORIES, MIDWEST VETERINARY SUPPLY
Extracapsular Cranial Cruciate Ligament Stabilization & Meniscal Treatment	7:30a-4:30p	H032	\$ 850	24	V	8	Kenneth Bruecker, Laurent Guiot, Steven Petersen, Jennifer Simpson	MOVORA
Small Animal Abdominal Ultrasound for Technicians	1:30-5:30p	H024	SOLD OUT	24	VT	4	Clifford (Kip) Berry, Robert Cole, Robson Giglio, George Henry, Jody Lawver, Reynsen Shigemoto, Krystina Stadler, Federico Vilaplana-Grosso	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
Tackling Tough Dental Extractions in the Cat	1:30-5:30p	H011	\$ 495	24	V	4	Paul Mitchell, Randi Brannan	CORZA MEDICAL, COVETRUS, DENTALAIRE, IM3, INC, MIDMARK CORPORATION, SECUROS, SURGITEL



Veterinarian



Veterinary Technician

HANDS-ON LABORATORIES

Title	Time	Session #	Fee	Max#	Level	CE	Instructor(s)	Sponsor
WEDNESDAY, SEPTEMBER 8								
Small Animal Endoscopy	7:30-11:30a	H016	\$575	24	V	4	David Twedt, Stanley Marks, Kenneth Simpson	KARL STORZ VETERINARY, MIDMARK CORP., MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, SMITHS MEDICAL, ZOETIS PETCARE
Tackling Tough Dental Extractions in the Dog	7:30-11:30a	H012	\$495	24	V	4	Paul Mitchell, Randi Brannan	CORZA MEDICAL, COVETRUS, DENTALAIRE, IM3, INC., MIDMARK CORPORATION, SECURUS, SURGITEL
"5 Minute, 5 Dollar" Tests: "Specialist" Diagnostic Techniques That Are Actually Easy & Inexpensive	1:30-5:30p	H007	\$375	24	V VT	4	Andrew Mackin, Christine Bryan, Jeb Cade	JORGENSEN LABORATORIES
Soft Tissue Surgery Lab	1:30-5:30p	H028	\$600	24	V	4	Bryden Stanley, Kathleen Ham	JORGENSEN LABORATORIES, MILA INTERNATIONAL, INC., MIDWEST VETERINARY SUPPLY
Veterinary Point-of-care Ultrasound - The Global FAST® (AFAST®, TFAST® and Vet BLUE®) for Everyday Practice	1:30-5:30p	H025	\$675	24	V VT	4	Gregory Lisciandro, Elizabeth Huynh, Krystina Stadler	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
THURSDAY, SEPTEMBER 9								
Honing Advanced Skills in Veterinary Dentistry for Technicians: Nerve Blocks & The Complete Oral Exam	7:30-11:30a	H013	\$375	24	VT	4	Denise Rollings, Chad Heintz-Nunes	COVETRUS, DENTALAIRE, IM3, INC., SECURUS
Soft Tissue Surgery Lab	7:30-11:30a	H029	\$600	24	V	4	Bryden Stanley, Kathleen Ham	JORGENSEN LABORATORIES, MILA INTERNATIONAL, INC., MIDWEST VETERINARY SUPPLY
Veterinary Point-of-care Ultrasound - The Global FAST® (AFAST®, TFAST® and Vet BLUE®) for Everyday Practice	7:30-11:30a	H026	\$675	24	V VT	4	Gregory Lisciandro, Elizabeth Huynh, Krystina Stadler	ANTECH / SOUND IMAGING, FUJIFILM SONOSITE, INC., SAMSUNG, SOUND, UNIVERAL IMAGING, SMITHS MEDICAL, MIDMARK CORPORATION, MIDWEST VETERINARY SUPPLY, PATTERSON VETERINARY, ZOETIS PETCARE
Soft Tissue Surgery Lab	1:30-5:30p	H030	\$600	24	V	4	Bryden Stanley, Kathleen Ham	JORGENSEN LABORATORIES, MILA INTERNATIONAL, INC., MIDWEST VETERINARY SUPPLY





THANK YOU TO OUR HANDS-ON LAB SPONSORS



LEARNING LOUNGE

Title	Time	Session #	Level	CE	Speaker(s)	Sponsor
TUESDAY, SEPTEMBER 7						
Combustible Compassion	9:30-9:55a	EL01	V VT PM VS	0.5	Lori Harbert	ROYAL CANIN
Worried About Not Remembering Everything? Let GekkoCompass Ease Your Burden & Bring Confidence in Diagnostics & Treatments	10:00-10:25a	EL02	V VT PM VS	0.5	Michael Petty	GEKKOVET
Medication Compliance CAN be Fun & Games!	10:30-10:55a	EL03	V VT PM VS	0.5	Brandon Fields, Melissa Hofberger	wedgewood PHARMACY HEALTH CARE. REVOLUTION.
Fluorescent Light Therapy & Its Applications in Dermatology	11:00-11:25a	EL04	V VT	0.5	Acacia Roman	vetoquinol ACHIEVE MORE TOGETHER
Design Thinking Approach to Your Customer Experience	11:30-11:55a	EL05	V VT PM	0.5	Thom Jenkins	pets app
Comprehensive Protection Made Simple	12:00-12:25p	EL06	V VT PM	0.5	Chris Adolph	ZOETIS PETCARE
Apoquel - Essential Facts & New Information You Need to Know!	12:30-12:55p	EL07	V VT VS	0.5	Dana Liska	ZOETIS PETCARE
Play It Smart & Open Your Eyes to Feline Heartworm	1:00-1:25p	EL08	V VT PM VS	0.5	Yoko Nagamori	ZOETIS PETCARE
At Risk Until Proven Otherwise: Are Your Pet Owners Following Your Recommendations	1:30-1:55p	EL09	V VT PM VS	0.5	Karen Stasiak	ZOETIS PETCARE
Maximize Your Veterinary Practice Transition	2:00-2:25p	EL10	V VT PM	0.5	Jim Vander Mey	OMNI
Combustible Compassion	2:30-2:55p	EL11	V VT PM VS	0.5	Lori Harbert	ROYAL CANIN
Implementing CT into Your Practice: Making CT Work in a General Practice	3:00-3:25p	EL12	V VT PM	0.5	Ken Waller	ANTECH
Advanced Imaging in Everyday Cases: Do You Know What You are Missing?	3:30-3:55p	EL13	V VT PM	0.5	Ken Waller	ANTECH
Grow Your Practice & Set a New Standard of Care with Digital Cytology	4:00-4:25p	EL14	V VT PM	0.5	Natalie Marks	ScopioVet
Comprehensive Protection Made Simple	4:30-4:55p	EL15	V VT PM	0.5	Chris Adolph	ZOETIS PETCARE

All Learning Lounge sessions are limited to 100 seats for participants - first come, first served. Standing room will be available.

 Veterinarian
  Veterinary Technician
 Practice Manager
  Veterinary Student

LEARNING LOUNGE

Viticus Group is proud to present the fast-paced Learning Lounge, located in the Exhibit Hall, Level 1. Attend bite-sized intimate sessions, which will include food, give-aways, prizes and more, on fun and interesting topics.

Title	Time	Session #	Level	CE	Speaker(s)	Sponsor
WEDNESDAY, SEPTEMBER 8						
Play It Smart & Show Some Moxie Against Canine Heartworm!	9:30-9:55a	EL16	V VT PM	0.5	Yoko Nagamori	ZOETIS PETCARE
The Latest Standards of Joint Supplements – Get Moving with Science	10:00-10:25a	EL17	V VT PM VS	0.5	Kara Burns	Lintbells Veterinary
What About Cats?	10:30-10:55a	EL18	V VT PM VS	0.5	Karen Stasiak	ZOETIS PETCARE
Fluorescent Light Therapy & Its Applications in Dermatology	11:00-11:25a	EL19	V VT	0.5	Acacia Roman	vetoquinol ACHIEVE MORE TOGETHER
What a Veterinary Team Wants	11:30-11:55a	EL20	V VT PM	0.5	Thom Jenkins	pets app
Play It Smart & Move The Needle Against Canine Heartworm	12:00-12:25p	EL21	V VT PM VS	0.5	Chris Adolph	ZOETIS PETCARE
Cytopoint – Essential Facts & New Information You Need to Know!	12:30-12:55p	EL22	V VT VS	0.5	Dana Liska	ZOETIS PETCARE
Got Urine? Manual vs Automated Urine Sediment Analysis Explained	1:00-1:25p	EL23	V VT PM VS	0.5	Dennis Chew	ZOETIS PETCARE
Compliance in Parasite Control in Cats & Dogs: The Potency of Moxidectin & Imidacloprid	1:30-1:55p	EL24	V VT	0.5	Norbert Mencke	vetoquinol ACHIEVE MORE TOGETHER
What Do We Want? The Right Information. When Do We Want It? NOW! Information Solutions for Today's Modern Learner	2:00-2:25p	EL25	V VT PM VS	0.5	Mark Stephenson	LIFE LEARN
In Clinic PCR Testing for Pathogen ID & Antibiotic Resistance Testing	2:30-2:55p	EL26	V VT	0.5	Jack Regan	LexaGene
Comprehensive Protection Made Simple	3:00-3:25p	EL27	V VT PM VS	0.5	Chris Adolph	ZOETIS PETCARE

All Learning Lounge sessions are limited to 100 seats for participants - first come, first served. Standing room will be available.

WORKSHOPS

Title	Time	Location	Session #	Fee	Max #	Level	CE	Certified Veterinary Practice Manager CE Credit	Instructors
MONDAY, SEPTEMBER 6									
Paying for Care: Getting Clients to Say "Yes"	10:00-11:50a	Shell Seekers B, Level 0	WS05	\$45	35	V VT PM VS	2	2	Karen Felsted, Mark Olcott
Finding, Developing & Marketing New Profit Centers	2:00-3:50p	Shell Seekers B, Level 0	WS01	\$45	35	V VT PM VS	2	2	Peter Weinstein
How to Conduct a Great Interview	4:00-5:50p	Shell Seekers B, Level 0	WS02	\$45	35	V VT PM VS	2	2	Kimberly Pope-Robinson
TUESDAY, SEPTEMBER 7									
Practice Ownership Roadmap: Navigation the Obstacles for Practice Ownership!	8:00-9:50a	Shell Seekers B, Level 0	WS03	\$45	35	V VT PM VS	2	2	Joel Parker
Successfully Managing Conflict in Your Veterinary Practice	10:35a-12:25p	Shell Seekers B, Level 0	WS04	\$45	35	V VT PM VS	2	2	Kellie Olah
Developing "10" Employees	2:00-3:50p	Shell Seekers B, Level 0	WS13	\$45	35	V VT PM VS	2	2	Monica Dixon Perry
Interpretation of Advanced Electrocardiograms	4:35-6:25p	Shell Seekers B, Level 0	WS16	\$45	35	VT	2		H. Edward Durham
WEDNESDAY, SEPTEMBER 8									
Anesthesia: From Home to Post Recovery	8:00-9:50a	Shell Seekers B, Level 0	WS15	\$45	35	VT	2		Heather Sidari
Veterinary Inventory 101	10:35a-12:25p	Shell Seekers B, Level 0	WS07	\$45	35	V VT PM VS	2	2	Brad Patton
In Search of the Elusive Certified Veterinary Technician: Solving Your Staffing Problems	2:00-3:50p	Shell Seekers B, Level 0	WS08	\$45	35	V VT PM VS	2	2	Brad Patton
Re-imagining Practice Ownership	4:35-6:25p	Shell Seekers B, Level 0	WS09	\$45	35	V VT PM VS	2	2	Michael Dicks, Mellissa Maddux
THURSDAY, SEPTEMBER 9									
The 4 P's of Positive Leadership: A Framework for Leading Thriving Veterinary Teams	8:00-9:50a	Shell Seekers B, Level 0	WS10	\$45	35	V VT PM VS	2	2	Josh Vaisman
The Cost of Caring: Dealing with Stress, Burnout & Compassion Fatigue Workshop	10:35a-12:25p	Shell Seekers B, Level 0	WS14	\$45	35	VT	2		Aggie Kiefer
Helping Leaders Learn to Lead	2:00-3:50p	Shell Seekers B, Level 0	WS12	\$45	35	V VT PM VS	2	2	Heather Romano
10 Tips for Filming Better Video at Your Practice	4:00-5:50p	Shell Seekers B, Level 0	WS11	\$45	35	V VT PM VS	2	2	Craig Spinks

VETERINARY TECHNICIAN SYMPOSIUM

Designed for Veterinary Technicians,
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VETERINARY TECHNICIAN RECEPTION

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TUESDAY, SEPTEMBER 7
6:30p

Inside The



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SUNDAY, SEPTEMBER 5

DENTISTRY PM

HANDS-ON LAB

OQUENDO CAMPUS

4 CE Hours

1:30-5:30p

Rabbit Dentistry Lab H005

Daniel Johnson

MONDAY, SEPTEMBER 6

DERMATOLOGY AM

BREAKERS K, LEVEL 2

Moderator: Melissa Clark-Pehrson

1 CE Hour

9:00-9:50a


Dermatology 101 VT45

Amanda Friedeck

1 CE Hour

10:00-10:50a

Skin Cytology: Case-based

Interpretation I VT47 

Amanda Friedeck

1 CE Hour

11:00-11:50a

Skin Cytology: Case-based

Interpretation II VT48 

Amanda Friedeck

+ENDOCRINOLOGY, PARASITOLOGY AM SYMPOSIUM

Technician Symposium

OCEANSIDE B, LEVEL 2

Moderator: Moderator TBA



1 CE Hour

9:00-9:50a

Getting to Know the Black-legged Tick

S26A

Beckie Mossor

1 CE Hour

10:00-10:50a

Diabetes Dialogue: Empowering

Technicians S26B

Kara Burns

INTERNAL MEDICINE PM

BREAKERS K, LEVEL 2

Moderator: Melissa Clark-Pehrson

1 CE Hour

2:00-2:50p

Regurgitation vs Vomiting: What's Really the Difference? VT33

Chastity Ketchum

1 CE Hour

3:00-3:50p

Patient Assessment: A Technician's Vital Role to Help Clients & Patients VT34

Chastity Ketchum

1 CE Hour

4:00-4:50p

Nursing Care for Esophagitis VT35 

Chastity Ketchum

1 CE Hour

5:00-5:50p

Lymphangiectasis: Understanding the Basics, Treatment, & the Veterinary

Technician Role VT36 

Chastity Ketchum

NUTRITION AM & PM

BREAKERS H, LEVEL 2

Moderator: David Demery, Isha Buis

1 CE Hour

9:00-9:50a

Grain Free & Other Diet Trends VT41

Ed Carlson

1 CE Hour

10:00-10:50a

Raw Diets: Facts & Misconceptions VT42

Ed Carlson

1 CE Hour

11:00-11:50a

Chronic Kidney Disease: Current Recommendations for Nutritional

Management VT43 

Ed Carlson

1 CE Hour

4:00-4:50p

Nasogastric Feeding Tubes VT44 

Ed Carlson



OTOLOGY PM

BREAKERS H, LEVEL 2

Moderator: Isha Buis

1 CE Hour

5:00-5:50p

Ear Today, Gone Tomorrow: Ear Disease in Small Animals VT46

Amanda Friedeck

PEDIATRICS AM

LAGOON H, LEVEL 2

Moderator: Isha Buis

1 CE Hour

9:00-9:50a

Pain Management in the Pediatric Patient VT49

Erin Spencer

1 CE Hour

10:00-10:50a

Pediatric Nutrition VT50

Erin Spencer

1 CE Hour

11:00-11:50a

Pediatrics in the Hospital: Treating Our Smallest Patients VT51

Erin Spencer

+PRACTICE MANAGEMENT PM SYMPOSIUM

Veterinary Technician / Nurse Leadership

BREAKERS H, LEVEL 2

Moderator: Moderator TBA



1 CE Hour

2:00-2:50p

More Veterinary Technicians / Nurses in Leadership Creates Change (S44)

Kenichiro Yagi

+PROFESSIONAL DEVELOPMENT AM

SYMPOSIUM

Wellbeing in Action

SOUTH PACIFIC B, LEVEL 0

Moderator: TBA



1 CE Hour

9:00-9:50a

Define a Healthy Work Environment: Culture by Design, Not Default S43A

Rebecca Rose

1 CE Hour

10:00-10:50a

A Case Study in Veterinary Team Wellbeing S43B

Rebecca Rose

1 CE Hour

11:00-11:50a

Putting it all Together; SMART Goal, Mapping Wellbeing S43C

Rebecca Rose

PROFESSIONAL DEVELOPMENT PM

BREAKERS H, LEVEL 2

Moderator: Isha Buis

1 CE Hour

3:00-3:50p

Tips from a Vintage Vet Tech: Thriving in a Tough Profession VT52

Erin Spencer

TUESDAY, SEPTEMBER 7

CARDIOLOGY AM

BREAKERS H, LEVEL 2

Moderator: Sharon Burns

1 CE Hour

8:00-8:50a

A Ten Thousand Foot View of Cardiology VT09

H. Edward Durham

1 CE Hour

9:00-9:50a

The Needs of the Many: A Review of Blood Pressure VT10

H. Edward Durham

1 CE Hour

10:35-11:25a

Basic Electrocardiography: The How's & Wherefores VT11

H. Edward Durham

1 CE Hour

11:35a-12:25p

Reflections of the Heart:

Echocardiography Overview VT12

H. Edward Durham

CARDIOLOGY PM WORKSHOP

SHELL SEEKERS B, LEVEL 0

2 CE Hours

4:35-6:25p

Interpretation of Advanced Electrocardiograms WS16

H. Edward Durham

EMERGENCY & CRITICAL CARE AM

BREAKERS K, LEVEL 2

Moderator: Lisa Coble

1 CE Hour

8:00-8:50a

ICU To-Do: Patient Care Checklists VT21

Courtney Waxman

1 CE Hour

9:00-9:50a

ER Boot Camp: What You Should Know Day 1 VT22

Courtney Waxman

1 CE Hour

10:35-11:25a

ECC Procedures for Vet Techs VT23

Courtney Waxman

1 CE Hour

11:35a-12:25p

What Do We Do Now: Post CPA Care VT24

Courtney Waxman



Veterinary Technician Specialty



Ticket Required



Hands-on Labs



Veterinarians



Veterinary Technicians

IMAGING-ULTRASOUND PM HANDS-ON LAB

OQUENDO CAMPUS

- 4 CE Hours
1:30-5:30P
Small Animal Abdominal Ultrasound for Technicians **H024**
Clifford Berry, Robert Cole, Robson Giglio, George Henry, Jody Lawver, Nathan Nelson, Krystina Stadler, Federico Vilaplana-Grosso

+PAIN MANAGEMENT PM SYMPOSIUM IVAPM Pain Management Symposium for Veterinary Technicians

BREAKERS K, LEVEL 2
Moderator: Moderator TBA



- 1 CE Hour
2:00-2:50p
Pain Management in the ER Setting: Advocating for Your Patient I **S05A**
Kristen Cooley
- 1 CE Hour
3:00-3:50p
Pain Management in the ER Setting: Advocating for Your Patient II **S05B**
Kristen Cooley
- 1 CE Hour
4:35-5:25p
Case Studies & Tech Tips on Talking to Owners about OA I **S05C**
Myliissa Fitzpatrick
- 1 CE Hour
5:35-6:25p
Case Studies & Tech Tips on Talking to Owners about OA II **S05D**
Myliissa Fitzpatrick

+PRACTICE MANAGEMENT PM SYMPOSIUM Finding Your Passion

BREAKERS H, LEVEL 2
Moderator: TBA



- 1 CE Hour
2:00-2:50p
Finding Your Passion: Achieving Growth within the Practice. Stay & Create Your Own Position **S45**
Linda Markland

WEDNESDAY, SEPTEMBER 8



ANESTHESIA AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

- 2 CE Hours
8:00-9:50a
Anesthesia: From Home to Post Recovery **WS15**
Heather Sidari



ANESTHESIA PM






BREAKERS K, LEVEL 2
Moderator: Mary Berg

- 1 CE Hour
2:00-2:50p
Capnography: It is Breathtakingly Amazing **VT01**
TBD
- 1 CE Hour
3:00-3:50p
Middazle Do: Middazle Donít: Guide to Picking a Sedation Protocols **VT02**
TBD
- 1 CE Hour
4:35-5:25p
Good Morning Sunshine: Anesthesia Recovery Best Practices **VT03** 
TBD
- 1 CE Hour
5:35-6:25p
Check Out My Tiny Trachea!: Brachycephalic Anesthesia **VT04** 
TBD

BEHAVIOR AM

BREAKERS H, LEVEL 2
Moderator: Julianne G. Evenhus

- 1 CE Hour
8:00-8:50a
Basic Behavior Pharmacology for Veterinary Technicians & Nurses **VT05**
Debbie Martin
- 1 CE Hour
9:00-9:50a
Training & Behavior Modification Techniques for Territorial Aggression in Dogs **VT06**
Debbie Martin
- 1 CE Hour
10:35-11:25a
Protocols for Dogs with Sound Sensitivity **VT07** 
Debbie Martin
- 1 CE Hour
11:35a-12:25p
Fear Free® Gentle Handling Techniques **VT08** 
Debbie Martin

-  Veterinary Technician Specialty
-  Ticket Required
-  Hands-on Labs
-  Veterinarians
-  Veterinary Technicians

CLINICAL PATHOLOGY PM HANDS-ON LAB



OQUENDO CAMPUS

- 4 CE Hours
1:30-5:30p
"5 Minute, 5 Dollar" Tests: "Specialist" Diagnostic Techniques That Are Actually Easy & Inexpensive H007
Andrew Mackin, Christine Bryan, Jeb Cade

DENTISTRY AM

BREAKERS K, LEVEL 2

Moderator: Mary Berg

- 1 CE Hour
8:00-8:50a
Home Dental Care for Our Furry Friends VT13
Denise Rollings
- 1 CE Hour
9:00-9:50a
The Exam Room to the Dental Table VT14
Denise Rollings
- 1 CE Hour
10:35-11:25a
Feline Dentistry VT15 
Denise Rollings
- 1 CE Hour
11:35a-12:25p
Recognizing Canine & Feline Malocclusions VT16 
Denise Rollings

IMAGING-ULTRASOUND PM HANDS-ON LAB

OQUENDO CAMPUS



- 4 CE Hours
1:30-5:30p
Veterinary Point-of-care Ultrasound - The Global FAST® (AFast®, TFAST® and Vet BLUE®) for Everyday Practice H025
Gregory Lisciandro, Krystina Stadler, Elizabeth Huynh

-  Veterinary Technician Specialty
-  Ticket Required
-  Hands-on Labs
-  Veterinarians
-  Veterinary Technicians

REHABILITATION PM

BREAKERS H, LEVEL 2

Moderator: Lisa Coble



- 1 CE Hour
2:00-2:50p
Modalities: Everything is at Your Fingertips VT57
Wendy Davies
- 1 CE Hour
3:00-3:50p
Understanding Myopathies: Why is My Dog Walking Like That? VT58
Wendy Davies
- 1 CE Hour
4:35-5:25p
Regenerative Medicine: Using the Body to Heal Itself VT59 
Wendy Davies
- 1 CE Hour
5:35-6:25p
Geriatric & Senior Rehabilitation: Don't Forget the Old Guys VT60 
Wendy Davies

THURSDAY, SEPTEMBER 9

COMMUNICATION PM

BREAKERS K, LEVEL 2

Moderator: Patricia Zehna

- 1 CE Hour
2:00-2:50p
Connecting With Pet Owners to Get the Results We Want VT53
Aggie Kiefer
- 1 CE Hour
3:00-3:50p
Understanding Your Personal Strengths to Build Your Career VT54
Aggie Kiefer
- 1 CE Hour
4:00-4:50p
Talking to Clients about Money VT55 
Aggie Kiefer
- 1 CE Hour
5:00-5:50p
Sell Is NOT a 4-Letter Word VT56 
Aggie Kiefer

DENTISTRY AM HANDS-ON LAB



OQUENDO CAMPUS

- 4 CE Hours
7:30-11:30a
Honing Advanced Skills in Veterinary Dentistry for Technicians: Nerve Blocks & The Complete Oral Exam H013
Denise Rollings, Chad Heintz-Nunes

EQUINE, LARGE ANIMAL AM

BREAKERS K, LEVEL 2

Moderator: Misty Frease

- 1 CE Hour
8:00-8:50a
Equine Emergencies: Are You Ready? VT25 
Shana Lemmenes
- 1 CE Hour
9:00-9:50a
Working with a Neurologic Horse: Be Prepared, Be Safe! VT26 
Shana Lemmenes
- 1 CE Hour
10:35-11:25a
Neonatal Care: Is Your Team Ready for Foaling Season? VT27
Shana Lemmenes


- 1 CE Hour
11:35a-12:25p
Bandaging & Casts on Large Animals VT28
Shana Lemmenes


ETHICS, GENETICS, HUMAN ANIMAL BOND PM

BREAKERS H, LEVEL 2

Moderator: Jessica Ward

- 1 CE Hour
2:00-2:50p
Genetic Health Markers: Can We Predict the Future VT29
Beckie Mossor
- 1 CE Hour
3:00-3:50p
Human Animal Bond: The Key to Patient Outcomes VT30
Beckie Mossor

□1 CE Hour
4:00-4:50p
Let in the Light! Compassion
Satisfaction in Vet Med VT31 
Beckie Mossor

□1 CE Hour
5:00-5:50p
Ethical Considerations for Vet Techs
VT32P 
Kara Burns, Beckie Mossor

IMAGING-ULTRASOUND AM HANDS-ON LAB

OQUENDO CAMPUS


□4 CE Hours
1:30-11:30a
Veterinary Point-of-care Ultrasound -
The Global FAST® (AFast®, TFAST®
and Vet BLUE®) for Everyday Practice
H025
*Gregory Lisciandro, Krystina Stadler,
Elizabeth Huynh*


NEUROLOGY AM

BREAKERS H, LEVEL 2
Moderator: Julianne Evenhus

□1 CE Hour
8:00-8:50a
These Boots Are Made for Walking:
Spinal Injury & Mobility VT37
Brittany Laflen

□1 CE Hour
9:00-9:50a
Seize Your Seizure Management VT38
Brittany Laflen

□1 CE Hour
10:35-11:25a
Junction Malfunctions: Neuromuscular
Disease Review VT39 
Brittany Laflen

□1 CE Hour
11:35a-12:25p
Vital Vitals: Nursing Considerations for
Neuro Patients VT40 
Brittany Laflen

+PRACTICE MANAGEMENT AM SYMPOSIUM Veterinary Nurse Impact

SOUTH PACIFIC J, LEVEL 0
Moderator: Moderator TBA



□1 CE Hour
8:00-8:50a
The Magnificent History of Veterinary
Technology: How We Got to Where We
Are Today? S46AP
Dennis Lopez, Dennis McCurnin

□1 CE Hour
9:00-9:50a
Improved Utilization of the Veterinary
Nurse in Practice S45BP
Dennis Lopez, Dennis McCurnin

□1 CE Hour
10:35-11:25a
How the Veterinary Nurse Initiative
Could Help with Improved Public
Perception & Utilization S46CP
Dennis Lopez, Dennis McCurnin

+PRACTICE MANAGEMENT AM SYMPOSIUM Trends Impacting Veterinary Medicine

SOUTH PACIFIC J, LEVEL 0
Moderator: Moderator TBA








□1 CE Hour
11:35a-12:25p
Trends Impacting Veterinary Medicine:
The Good, The Bad & The Ugly S47
Rebecca Rose

WELLBEING AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

□2 CE Hours
10:35a-12:25p
The Cost of Caring: Dealing with
Stress, Burnout & Compassion Fatigue
Workshop WS14
Aggie Kiefer

-  Veterinary Technician Specialty
-  Ticket Required
-  Hands-on Labs
-  Veterinarians
-  Veterinary Technicians

SPECIAL SESSIONS

HANDS-ON LABS *Located at the Oquendo Campus*

Pre-registration required; however, space may still be available. Additional fees apply. Check Onsite Registration for availability.

Title	Time	Session #	Fee	Max#	CE	Lead Instructor(s)
SUNDAY, SEPTEMBER 5						
Rabbit Dentistry Lab	1:30-5:30p	H005	\$495	24	4	Daniel Johnson
TUESDAY, SEPTEMBER 7						
Small Animal Abdominal Ultrasound for Technicians	1:30-5:30p	H024	\$375	24	4	Clifford (Kip) Berry
WEDNESDAY, SEPTEMBER 8						
"5 Minute, 5 Dollar" Tests: "Specialist" Diagnostic Techniques That Are Actually Easy & Inexpensive	1:30-5:30p	H007	\$375	20	4	Andrew Mackin
Veterinary Point-of-care Ultrasound - The Global FAST® (AFAST®, TFAST® and Vet BLUE®) for Everyday Practice	1:30-5:30p	H025	\$675	24	4	Gregory Lisciandro
THURSDAY, SEPTEMBER 9						
Honing Advanced Skills in Veterinary Dentistry for Technicians: Nerve Blocks & The Complete Oral Exam	7:30-11:30a	H013	\$675	20	4	Denise Rollings
Veterinary Point-of-care Ultrasound - The Global FAST® (AFAST®, TFAST® and Vet BLUE®) for Everyday Practice	7:30-11:30a	H026	\$675	20	4	Gregory Lisciandro

WORKSHOPS *Seating is limited and available on a first-come, first-served basis. | Presentation content may include product mentions.*

Title	Time	Session #	Fee	CE	Instructor(s)
TUESDAY, SEPTEMBER 7					
Interpretation of Advanced Electrocardiograms	4:35-6:25p	WS16	\$45	2	H. Edward Durham
WEDNESDAY, SEPTEMBER 8					
Anesthesia: From Home to Post Recovery	8:00-9:50a	WS15	\$45	2	TBD
THURSDAY, SEPTEMBER 9					
The Cost of Caring: Dealing with Stress, Burnout & Compassion Fatigue Workshop	10:35a-12:25p	WS14	\$40	2	Aggie Kiefer

Veterinary **2021** Practice Manager SYMPOSIUM



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MONDAY, SEPTEMBER 6

ACCOUNTING & FINANCE PM

TRADEWINDS E, LEVEL 0

Moderator: Gary Delfino

- ☐ 1 CE Hour (CVPM CE Credit Approved)
3:00-3:50p
Controlling Expenses You Can't See:
Fraud & Theft **PM03**
Karen Felsted

ENTRANCE/EXIT STRATEGIES PM

TRADEWINDS C, LEVEL 0

Moderator: Heather Schroeder

- ☐ 1 CE Hour (CVPM CE Credit Approved)
5:00-5:50p
Sell or Salvage? Tuning Up Your
Practice Before You Sell It **PM06**
Joel Parker

+HOSPITAL DESIGN, PRACTICE OPERATIONS PM SYMPOSIUM

Boarding in Your Vet Practice &
Facility Kennels & Flooring

SOUTH PACIFIC H, LEVEL 0

Moderator: Scott Manning



- ☐ 1 CE Hour
4:00-4:50p
Adding Boarding in Your Veterinary
Practice **S30A**
Scott Manning
- ☐ 1 CE Hour
5:00-5:50p
Integrating Kennels & Floors **S30BP**
Jeff Adney, Scott Manning

Ticket Required

Veterinary Technicians

HUMAN RESOURCES AM & PM

TRADEWINDS C, LEVEL 0

Moderator: Heather Schroeder

- ☐ 1 CE Hour (CVPM CE Credit Approved)
9:00-9:50a
The SECRET to Finding (& Keeping
Happy) DVMs **PM14**
Joel Parker
- ☐ 1 CE Hour (CVPM CE Credit Approved)
10:00-10:50a
Ins & Outs of Employee Engagement
PM19
Kimberly Pope-Robinson
- ☐ 1 CE Hour (CVPM CE Credit Approved)
11:00-11:50a
Why Can't People Do What They Are
Supposed to Do: Training to the Rescue
PM15
Louise Dunn
- ☐ 1 CE Hour (CVPM CE Credit Approved)
2:00-2:50p
Creating a Successful New Hire
Program **PM16**
Louise Dunn

HUMAN RESOURCES PM WORKSHOP

SHELL SEEKERS B, LEVEL 0

- ☐ 2 CE Hours (CVPM CE Credit Approved)
4:00-5:50p
How to Conduct a Great Interview **WS02**
Kimberly Pope-Robinson

MARKETING AM

TRADEWINDS E, LEVEL 0

Moderator: Gary Delfino

- ☐ 1 CE Hour (CVPM CE Credit Approved)
9:00-9:50a
Get the Basics of Your Brand Right
PM32
Stacey Santi
- ☐ 1 CE Hour (CVPM CE Credit Approved)
11:00-11:50a
How Not to See Dr. Google as a 4-Letter
Word **PM33**
Kimberly Pope-Robinson



+PRACTICE MANAGEMENT AM SYMPOSIUM

Pain Management Symposium for Veterinarians: Advanced Techniques & Methods Using CBD+CBDA for Treating Pain & Immobility

OCEANSIDE B, LEVEL 2

Moderator: Amanda Howland



- ☐ 1 CE Hour
11:00-11:50a
Street Medicine: Lessons Learned from the Road [S14A](#)
Joseph Wakshlag

PRACTICE OPERATIONS AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

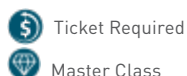
- ☐ 2 CE Hour (CVPM CE Credit Approved)
10:00-11:50a
Paying for Care: Getting Clients to Say "Yes" [WS05](#)
Karen Felsted, Mark Olcott

PRACTICE OPERATIONS AM & PM

TRADEWINDS E, LEVEL 0

Moderator: Gary Delfino

- ☐ 1 CE Hour (CVPM CE Credit Approved)
10:00-10:50a
What Got You Here Will Not Get You There: What Is Needed Now [PM40](#)
Peter Weinstein
- ☐ 1 CE Hour (CVPM CE Credit Approved)
2:00-2:50p
Investing in High Dollar Equipment: Make it Pay [PM47](#)
Karen Felsted
- ☐ 1 CE Hour (CVPM CE Credit Approved)
4:00-4:50p
Identify & Build on What Your Practice Does Best [PM41](#)
Peter Weinstein



Ticket Required



Master Class

- ☐ 1 CE Hour (CVPM CE Credit Approved)
5:00-5:50p
Preparing for the Next Pandemic [PM46](#)
Karen Felsted

PRACTICE OPERATIONS PM WORKSHOP

SHELL SEEKERS B, LEVEL 0

- ☐ 2 CE Hour (CVPM CE Credit Approved)
2:00-3:50p
Finding, Developing & Marketing New Profit Centers [WS01](#)
Peter Weinstein

PRACTICE OPERATIONS PM

TRADEWINDS C, LEVEL 0

Moderator: Heather Schroeder

- ☐ 1 CE Hour (CVPM CE Credit Approved)
3:00-3:50p
Team Meetings that Don't Suck [PM38](#)
Stacey Santi
- ☐ 1 CE Hour (CVPM CE Credit Approved)
4:00-4:50p
Pet Owners Have Spoken: You're Doing It Wrong! Client Communication Preferences for Medical Updates [PM39](#)
Stacey Santi

+PROFESSIONAL DEVELOPMENT PM SYMPOSIUM

Diversity, Equality & Inclusion Symposium

SOUTH PACIFIC B, LEVEL 0

Moderator: TBA



- ☐ 1 CE Hour
2:00-2:50p
The ABCs of DEI [S02AP](#)
Stéphanie-Anne Dulièpre, Christina Tran
- ☐ 1 CE Hour
3:00-3:50p
Discrimination in Veterinary Medicine: A Video Breakdown [S02BP](#)
Melody Martinez, Marie Sato Quicksall

- ☐ 1 CE Hour
4:00-4:50p
Taking Action: Strengthening Your DEI Toolkit: Part 1 [S02CP](#)
Melody Martinez, Christina Tran

- ☐ 1 CE Hour
5:00-5:50p
Taking Action: Strengthening Your DEI Toolkit: Part 2 [S02DP](#)
Stéphanie-Anne Dulièpre, Marie Sato Quicksall

TUESDAY, SEPTEMBER 7

ACCOUNTING & FINANCE PM

TRADEWINDS E, LEVEL 0

Moderator: Rochen Heers

- ☐ 1 CE Hour (CVPM CE Credit Approved)
5:35-6:25p
What Managers Should Know About Practice Value [PM02P](#)
Tera Eddleman, Michael Hargrove

ENTRANCE/EXIT STRATEGIES AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

Moderator: TBA

- ☐ 2 CE Hour (CVPM CE Credit Approved)
8:00-9:50a
Practice Ownership Roadmap: Navigation the Obstacles for Practice Ownership! [WS03](#)
Joel Parker

ENTRANCE/EXIT STRATEGIES PM

TRADEWINDS E, LEVEL 0

Moderator: Rochen Heers

- ☐ 1 CE Hour (CVPM CE Credit Approved)
2:00-2:50p
Where Are the Consolidators? Mapping Where Your Potential Buyer is Buying [PM07](#)
Michael Hargrove



Veterinarians



Veterinary Technicians



Veterinary Technicians

FELINE FRIENDLY AM

TRADEWINDS E, LEVEL 0

Moderator: Erik Blomquist

□1 CE Hour [CVPM CE Credit Approved]
8:00-8:50a
Pet Specific Care: Feline Edition **PM10**
Lowell Ackerman

□1 CE Hour [CVPM CE Credit Approved]
9:00-9:50a
Got Cats? Get More Feline Patients
PM11
Eric Garcia

□1 CE Hour [CVPM CE Credit Approved]
10:35-11:25a
How to Engage Cat Owners in Life-Long Care **PM12**
Eric Garcia


□1 CE Hour [CVPM CE Credit Approved]
11:35a-12:25p
Fear Free®: Feline Edition **PM13**
Michael Hargrove

HUMAN RESOURCES AM & PM

TRADEWINDS C, LEVEL 0

Moderator: Stephanie Mckennon

□1 CE Hour [CVPM CE Credit Approved]
8:00-8:50a
Developing Dream Teams to Extend Veterinarian Capacity **PM17**
Louise Dunn

□1 CE Hour [CVPM CE Credit Approved]
9:00-9:50a
You Changed Your Business Operations: How Do You Pay the Team Now? **PM18** 
Louise Dunn

□1 CE Hour [CVPM CE Credit Approved]
4:35-5:25p
Is Your "Regular Relief Vet" Really a Part Time Employee? **PM22**
Cindy Trice

□1 CE Hour [CVPM CE Credit Approved]
5:35-6:25p
The Right Way to Implement Pro-Sal Method of Compensation **PM28**
Monica Dixon Perry

HUMAN RESOURCES AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

□2 CE Hours [CVPM CE Credit Approved]
10:35a-12:25p
Successfully Managing Conflict in Your Veterinary Practice **WS04**
Kellie Olah

HUMAN RESOURCES PM WORKSHOP

SHELL SEEKERS B, LEVEL 0

□2 CE Hours [CVPM CE Credit Approved]
2:00-3:50p
Developing "10" Employees **WS13**
Monica Dixon Perry

INFORMATION TECHNOLOGY PM

TRADEWINDS E, LEVEL 0

Moderator: Rochen Heers

□1 CE Hour [CVPM CE Credit Approved]
3:00-3:50p
Using Technology to Deliver a Better Client Experience **PM29**
Stacey Santi

PRACTICE OPERATIONS AM & PM

TRADEWINDS C, LEVEL 0

Moderator: Stephanie Mckennon

□1 CE Hour [CVPM CE Credit Approved]
10:35-11:25a
Controlled Substance Laws & Relief Vets: Best Practices **PM51P**
Cindy Trice, Janet (Jan) Woods

□1 CE Hour [CVPM CE Credit Approved]
11:35a-12:25p
The Role of Pet Health Insurance in Veterinary Practice **PM42**
Lowell Ackerman

□1 CE Hour [CVPM CE Credit Approved]
2:00-2:50p
Promoting the Concept of Problem Free Pets **PM43**
Lowell Ackerman

□1 CE Hour [CVPM CE Credit Approved]
3:00-3:50p
Fear Free® Practice Certification It's Good for Business **PM45**
Michael Hargrove

PRACTICE OPERATIONS PM INDUSTRY LUNCH SEMINAR

OCEANSIDE B, LEVEL 2

Moderator: Moderator TBD



□1 CE Hour
12:45-1:45p
Pets, People, Preventive Care: Putting Your Superhero Powers to Work **IS07**
Sarah Sweet

PRACTICE OPERATIONS PM

TRADEWINDS E, LEVEL 0

Moderator: Rochen Heers

□1 CE Hour [CVPM CE Credit Approved]
4:35-5:25p
Principles of Veterinary Medical Ethics of the AVMA - What Every Practice Manager Should Know **PM55**
Monica Dixon Perry

+WELLBEING PM SYMPOSIUM Wellness Symposium

OCEANSIDE D, LEVEL 2

Moderator: Moderator TBD



□1 CE Hour
2:00-2:50p
Positive Perseverance: Leading Resilient Teams **S23B**
Josh Vaisman

□1 CE Hour
3:00-3:50p
Gratitude, Optimism & Subjective Wellbeing: Vet Med's Positive Emotion Transition Team **S23C**
Philip Richmond

WEDNESDAY, SEPTEMBER 8


ACCOUNTING & FINANCE AM & PM

TRADEWINDS E, LEVEL 0

Moderator: Sharon Burns, Simon Chavez

☐ 1 CE Hour [CVPM CE Credit Approved]

11:35a-12:25p

Using Financial Ratios to Monitor & Strengthen Your Business **PM01** 

Tera Eddleman

☐ 1 CE Hour [CVPM CE Credit Approved]

3:00-3:50p

Open-Book Management: Where is the Line? **PM04P** 

Jenni George, Mark McGaunn

ENTRANCE/EXIT STRATEGIES AM & PM

TRADEWINDS C, LEVEL 0

Moderator: Erik Blomquist, Sydney White

☐ 1 CE Hour [CVPM CE Credit Approved]

11:35a-12:25p

How Associates Can Buy a Practice with High Corporate Offers **PM08**

Joshua (Josh) Dailey

☐ 1 CE Hour [CVPM CE Credit Approved]

2:00-2:50p

Retaining Associates During a Corporate Sale **PM09**

Joshua (Josh) Dailey

ENTRANCE/EXIT STRATEGIES PM

WORKSHOP  

SHELL SEEKERS B, LEVEL 0

☐ 2 CE Hours [CVPM CE Credit Approved]

4:35-6:25p

Re-imagining Practice Ownership **WS09**

Michael Dicks, Melissa Maddux



Ticket Required



Master Class



Veterinarians



Veterinary Technicians



Veterinary Technicians

HUMAN RESOURCES AM & PM

TRADEWINDS E, LEVEL 0

Moderator: Sharon Burns, Simon Chavez

☐ 1 CE Hour [CVPM CE Credit Approved]

8:00-8:50a

Employee Manual Snafus **PM20**

Kellie Olah

☐ 1 CE Hour [CVPM CE Credit Approved]

9:00-9:50a

Optimizing Millennial Success & Introducing Generation Z **PM21**

Kellie Olah

☐ 1 CE Hour [CVPM CE Credit Approved]


2:00-2:50p

Rewards for All **PM23P**

Jenni George, Mark McGaunn

☐ 1 CE Hour [CVPM CE Credit Approved]

5:35-6:25p

Energized in Exhausting Work: Practices for Vitalizing Veterinary Professionals **PM25** 

Josh Vaisman

HUMAN RESOURCES PM WORKSHOP



SHELL SEEKERS B, LEVEL 0

☐ 2 CE Hours [CVPM CE Credit Approved]

2:00-3:50p

In Search of the Elusive Certified Veterinary Technician: Solving Your Staffing Problems **WS08**

Brad Patton

+LEADERSHIP AM SYMPOSIUM

Leadership Symposium

MANDALAY BAY J, LEVEL 2

Moderator: Genie Bishop



☐ 1 CE Hour

8:00-8:50a

Dogs Are Color Blind -- We Don't Have To Be **S39A**

Lori Harbert

☐ 1 CE Hour

9:00-9:50a

Diversity, Equity & Inclusion through Authentic Leadership **S39B**

Laura Pletz

☐ 1 CE Hour

10:35-11:25a

Radically Candid DEI Conversations **S39C**

Mia Cary

MARKETING AM

TRADEWINDS C, LEVEL 0

Moderator: Erik Blomquist

☐ 1 CE Hour [CVPM CE Credit Approved]

9:00-9:50a

Help! My Practice Isn't Growing: Marketing Success Stories **PM34**

Eric Garcia

☐ 1 CE Hour [CVPM CE Credit Approved]

10:35-11:25a

How to Beat Your Competitors Online **PM35**

Eric Garcia

+ONE HEALTH SYMPOSIUM

One Health Parallels in Human & Animal Health Care

REEF, LEVEL 2

Moderator: Moderator TBD



□2 CE Hours

10:35a-12:25p

Unpacking the COVID-19 Impact on Human & Animal Healthcare [S27P](#)

Gail Golab, Shawn Tsuda

+PRACTICE MANAGEMENT AM SYMPOSIUM

Nationwide's Annual Veterinary Trends

OCEANSIDE C, LEVEL 2

Moderator: Moderator TBA



□1 CE Hour

8:00-8:50a

Nationwide's Annual Veterinary Trends [S33](#)

Jules Benson

PRACTICE OPERATIONS AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

□2 CE Hour [CVPM CE Credit Approved]

10:35a-12:25p

Veterinary Inventory 101 [WS07](#)

Brad Patton

PRACTICE OPERATIONS AM & PM

TRADEWINDS C, LEVEL 0

Moderator: Erik Blomquist, Sydney White

□1 CE Hour [CVPM CE Credit Approved]

8:00-8:50a

The Dispensing Dilemma: The Retail Side of Veterinary Practice [PM44](#)

Lowell Ackerman

□1 CE Hour [CVPM CE Credit Approved]

3:00-3:50p

Risky Business: Insurance for Those Hiring or Practicing as Relief Veterinarians [PM49](#)

Cindy Trice

□1 CE Hour [CVPM CE Credit Approved]

4:35-5:25p

Practicing with Courage in an Age of Fear [PM50](#)

Cindy Trice

PRACTICE OPERATIONS AM & PM

TRADEWINDS E, LEVEL 0

Moderator: Sharon Burns, Simon Chavez

□1 CE Hour [CVPM CE Credit Approved]

10:35-11:25a

Mixed Animal Practice Success [PM48P](#)

Jenni George, Mark McGaunn

□1 CE Hour [CVPM CE Credit Approved]

4:35-5:25p

Hospital Growth & Building Expansion [PM52P](#)

Jenni George, Mark McGaunn

+PRACTICE OPERATIONS AM SYMPOSIUM

Aim High: 7 Easy Ways to Build Your Hospital's Presence & Reputation

MANDALAY BAY J, LEVEL 2

Moderator: Mark Stephenson

LIF=LEARN

□1 CE Hour

11:35a-12:25p

From Thorns to Roses: Turning Curbside Care Lessons into "New Normal"

Practice Efficiencies [S31](#)

Mary Ann Vande Linde

THURSDAY, SEPTEMBER 9

ACCOUNTING & FINANCE PM

TRADEWINDS E, LEVEL 0

Moderator: Lindsey Jordan

□1 CE Hour [CVPM CE Credit Approved]

4:00-4:50p

All About Fees: What to Charge & How to Keep It [PM05P](#)

Terence O'Neil, Beth Scott

HUMAN RESOURCES AM WORKSHOP

SHELL SEEKERS B, LEVEL 0

□2 CE Hour [CVPM CE Credit Approved]

8:00-9:50a

The 4 P's of Positive Leadership: A Framework for Leading Thriving Veterinary Teams [WS10](#)

Josh Vaisman

HUMAN RESOURCES AM

TRADEWINDS C, LEVEL 0

Moderator: Moderator TBD

□1 CE Hour [CVPM CE Credit Approved]

10:35-11:25a

Safe to Soar: The Secret Sauce of Highly Effective Teams [PM24](#)

Josh Vaisman

HUMAN RESOURCES PM WORKSHOP


SHELL SEEKERS B, LEVEL 0

- ☐ 2 CE Hours (CVPM CE Credit Approved)
2:00-3:50p
Helping Leaders Learn to Lead [WS12](#)
Josh Vaisman

LEGAL ISSUES AM

TRADEWINDS E, LEVEL 0

Moderator: Lindsey Jordan

- ☐ 1 CE Hour (CVPM CE Credit Approved)
10:35-11:25a
Employment Contracts: Updates for 2021 [PM30](#)
Joshua (Josh) Dailey
- ☐ 1 CE Hour (CVPM CE Credit Approved)
11:35a-12:25p
Technicians & Managers Can Be Practice Owners [PM31](#) 
Joshua (Josh) Dailey

MARKETING AM & PM

Tradewinds E, Level 0

Moderator: Lindsey Jordan

- ☐ 1 CE Hour (CVPM CE Credit Approved)
9:00-9:50a
Using Video to Market Like an Ad Agency [PM36](#)
Craig Spinks
- ☐ 1 CE Hour (CVPM CE Credit Approved)
2:00-2:50p
The \$2500 Video Production Kit [PM37](#)
Craig Spinks

MARKETING PM WORKSHOP



SHELL SEEKERS B, LEVEL 0

- ☐ 2 CE Hours (CVPM CE Credit Approved)
4:00-5:50p
10 Tips for Filming Better Video at Your Practice [WS11](#)
Craig Spinks

PRACTICE OPERATIONS AM & PM

TRADEWINDS C, LEVEL 0


Moderator: Moderator TBA

- ☐ 1 CE Hour (CVPM CE Credit Approved)
8:00-8:50a
Don't Buy What You Can't Afford [PM53P](#) 
Michael Dicks, Melissa Maddux
- ☐ 1 CE Hour (CVPM CE Credit Approved)
9:00-9:50a
Use Market Analysis to Support Strategic Decision-Making [PM54P](#) 
Michael Dicks, Melissa Maddux
- ☐ 1 CE Hour (CVPM CE Credit Approved)
2:00-2:50p
Why You Gotta Be So Mean? Turning Difficult Clients into Dream Clients [PM56](#)
Lauren Smith
- ☐ 1 CE Hour (CVPM CE Credit Approved)
3:00-3:50p
Getting Clients to Trust You - STAT! [PM57](#)
Lauren Smith

PRACTICE OPERATIONS AM & PM

TRADEWINDS E, LEVEL 0

Moderator: Lindsey Jordan

- ☐ 1 CE Hour (CVPM CE Credit Approved)
8:00-8:50a
Making the Most of a Multi-Location Hospital [PM58P](#) 
Terence O'Neil, Beth Scott
- ☐ 1 CE Hour (CVPM CE Credit Approved)
3:00-3:50p
Increasing Efficiencies to Create More Profit [PM59P](#)
Terence O'Neil, Beth Scott
- ☐ 1 CE Hour (CVPM CE Credit Approved)
5:00-5:50p
Prepare Your Hospital for the Future of Veterinary Medicine [PM60P](#)
Terence O'Neil, Beth Scott

WELLNESS AM






INDUSTRY LUNCH SEMINAR

OCEANSIDE C, LEVEL 2

Moderator: Stacy Burdick



- ☐ 1 CE Hour
6:30-7:30a
Health of the Healers [IS16](#)
Turpin Mott

-  Ticket Required
-  Master Class
-  Veterinarians
-  Veterinary Technicians
-  Veterinary Technicians

VISIT WVC CENTRAL

EXHIBIT HALL MANDALAY BAY LEVEL 1

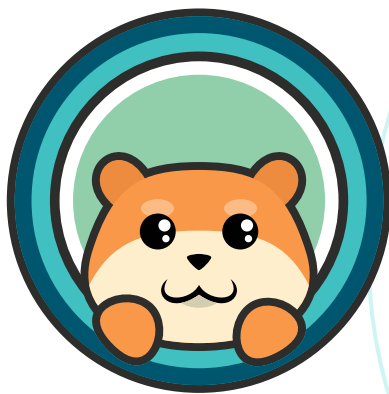
Tuesday 9:00a-5:00p

Wednesday 9:00a-5:00p

Thursday 9:00a-2:00p

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Annual Conference
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THURSDAY
SEPTEMBER 9
1:30p

Learning Lounge inside
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SOLVE FOR CLUES



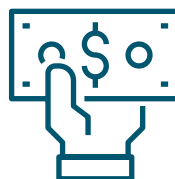
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W: www.avmla.org

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Used in many different types of veterinary practices, ClieTrax is a premier Veterinary Practice Management software that is simple to learn, yet packed with powerful features such as reminder-recalls, invoicing, histories, accounts receivable, statements, Rx Labels, inventory, referrals, medical records with digital interfaces, appointments, boarding, over 100 reports, and more!

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T: (816) 364-5777

W: www.clipperdist.com

CLIPPER Helping you navigate the veterinary market. Don't get lost trying to navigate the animal health channel on your own. Let Clipper be your compass. Through sales, marketing and logistics, we help manufacturers of all sizes bring to market and grow their veterinary product lines with speed, ease and accuracy.

EXHIBITOR DESCRIPTIONS

CLOUDRETRIEVER.....650

601 Relability Cir,
Knoxville, TN 37932 US

T: (817) 601-2253

W: www.cloudretriever.com

CloudRetriever is an intelligent, cloud-based phone system that integrates with your PMS. - Manage communications in one place - Track how your clients found your practice to enhance your marketing - Create client records from calls - Give your staff the data they need to make your client feel special.

COLTENE.....853

235 Ascot Pkwy,
Cuyahoga Falls, OH 44223 US

T: (800) 221-3046

W: www.coltene.com

Coltene offers a wide range of products for the veterinary market which includes our GuttaFlow® Obturation system with specialty GuttaFlow tips: Composite restorative material, Alpen Speedster Extraction burs and a wide variety of Alpen rotary instruments to facilitate any dental procedures and ease of extraction.

COMMUNITY VETERINARY PARTNERS.....1824

1801 Market St, Ste 1300
Philadelphia, PA 19103 US

T: (267) 764-5700

W: www.cvpco.com/

CVP believes people are at the heart of our mission of bringing joy to families by providing the best care possible to the pets they love. We embrace the uniqueness of each CVP hospital and strive to support the needs of our veterinary teams delivering care personally to each pet.

COMPANION ANIMAL HEALTH BY LITECURE.....2155

101 Lukens Dr, Ste A
New Castle, DE 19720 US

T: (302) 709-0408

W: www.companionanimalhealth.com/

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

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T: (313) 618-0441

W: www.companionpet.com

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T: (616) 785-2673

W: www.core-imaging.com

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T: (716) 770-8818

W: www.cortelldesign.com

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400 Metro Place N,
Dublin, OH 43017 US

T: (855) 724-3461

W: www.northamerica.covetrus.com

Covetrus is a global animal-health technology and services company dedicated to empowering veterinary practice partners to drive new health and financial outcomes. We're bringing together products, services, and technology into a single platform that connects our customers to the solutions and insights they need to work best.

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T: (708) 995-7376

W: www.coynevet.com

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T: (678) 710-2016

W: www.cpmmedical.com

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W: www.CreditBench.com

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W: www.cresilon.com

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W: www.ho-equipments.com

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EXHIBITOR DESCRIPTIONS

CUBEX.....1283

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W: www.cubex.biz

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CUTTING EDGE LASER TECHNOLOGIES.....2375

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T: [800] 889-4184 x125
W: www.celasers.com/

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DAN SCOTT & ASSOCIATES, INC.....1720

5188 Hoovergate Ln,
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T: [614] 890-0370
W: www.danscottandassociates.com

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Overland Park, KS 66211 US

T: [913] 816-9311
W: www.dechra-us.com

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W: www.delmarva2000.com

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T: [303] 435-9064
W: www.destinationpet.com

DIAGNOSTIC IMAGING SYSTEMS, INC.....1953

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DIGITAIL - CLOUD PIMS.....1480

251 Little Falls Dr,
Wilmington, DE 19808 US

T: 8045648566
W: <https://digitail.io/>

DOCTOR MULTIMEDIA.....1173, 1625, 2465

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La Jolla, CA 92037 US

T: (800) 679-3309
W: www.doctormultimedia.com

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Dragon Veterinary is the leading speech recognition software developed by veterinarians for veterinarians. It provides a fully-integrated solution that helps veterinary professionals navigate medical decision-making and treatment plans by voice, allowing them to get back to their roots and spend more time doing what they do best: caring for patients.

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T: (800) 851-9698
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ELLEVEET SCIENCES.....529

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EMERGENT CONNECT.....1009

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T: (800) 539-5936
W: www.emergentconnect.com

ENDOSCOPY SUPPORT SERVICES, INC.....1048

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Brewster, NY 10509 US

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EPICA ANIMAL HEALTH.....1481

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San Clemente, CA 92672 US

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W: www.epicamed.com

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T: [781] 305-2285
W: www.ethosdiscovery.org

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EVERYCAT HEALTH FOUNDATION.....507

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T: [201] 275-0624
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W: www.ffb1.com/loans/veterinary-loans/veterinary-practice-solutions.html

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W: www.ggvcp.pharmacy

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GV.....1023

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HALYARD.....416

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T: (800) 424-7536
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www.htproducts.net

EXHIBITOR DESCRIPTIONS

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Ferndale, WA 98248 US

T: (360) 734-7415
W: www.healthy-pet.com

HEALTHY TRACKS FOR PETS (TRIVIDIA HEALTH, INC.).....1675

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T: (303) 522-1787

W: www.structure-llc.com

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T: (720) 640-2002

W: www.westernvetpartners.com/

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5210 S State Rd,
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T: (800) 709-6726

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ADVOCACY AND EDUCATION

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AAHA - AMERICAN ANIMAL HOSPITAL ASSOCIATION	1924
ACT ONLINE TRAINING	2217
AMERICAN INSTITUTE OF MEDICAL LASER APPLICATIONS	502
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CHI UNIVERSITY	640
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AAHA - AMERICAN ANIMAL HOSPITAL ASSOCIATION	1924
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SKULLS UNLIMITED INTERNATIONAL, INC.....	2127
STANDARD PROCESS INC.....	1027
STONE MFG. & SUPPLY CO.....	1564
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VETEL DIAGNOSTICS.....	1004
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PACIFIC PROFESSIONALS, INC.....	730
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STEARNS BANK.....	2480
TERRAVET REAL ESTATE SOLUTIONS.....	513
TUTTNAUER USA.....	2077
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MIDMARK CORPORATION.....	2359
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ELANCO ANIMAL HEALTH.....	2147
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DECHRA VETERINARY PRODUCTS.....	1573
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ARDENT ANIMAL HEALTH.....	1236
ARTHREX VET SYSTEMS.....	1344
BLACK DIAMOND RADIO.....	1002
BLUEPEARL SPECIALTY + EMERGENCY PET HOSPITAL.....	614
CARE SURGERY CENTER.....	1242
CHOU2 PHARMA.....	2173

CRYOPROBE.....	956
ELANCO ANIMAL HEALTH.....	2147
FIRST VETERINARY SUPPLY.....	814
H2O FOR FITNESS.....	604
HEALTHY TRACKS FOR PETS (TRIVIDIA HEALTH, INC.).....	1675
LAP OF LOVE VETERINARY HOSPICE.....	1681
MEDICAL PET SHIRTS INTERNATIONAL.....	1627
NAVC MEDIA.....	1238
PEACEFUL MEMORIES BY MEMORIES UNLIMITED, INC.....	522
PEOPLE, PETS, & VETS.....	912
PETCO VETERINARY PARTNERS.....	521
SCRATCHPAY.....	857, 2183
SONIQUENCE.....	1988
VCA ANIMAL HOSPITALS.....	2057
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CRYOPROBE.....	956
HESKA.....	2047
MICROVET DIAGNOSTICS.....	808
MIDDOG LLC.....	725
MINITUBE USA.....	1057
NOVA BIOMEDICAL.....	829
OXFORD SCIENCE.....	1927

SHENZHEN MINDRAY ANIMAL MEDICAL TECHNOLOGY CO., LTD.....	965
SONTEC INSTRUMENTS, INC.....	1827
SURGICAL SPECIALTIES ANIMAL HEALTH.....	605
ZOMEDICA.....	721

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MWI ANIMAL HEALTH.....	1973

GENERIC & DISCOUNT-PRICED DRUGS

AKORN.....	1830
FIRST VETERINARY SUPPLY.....	814
MODERN VETERINARY THERAPEUTICS.....	1654
NORBROOK INC.....	959

GREETING CARDS & REMINDER CORRESPONDENCE

INTOUCH PRACTICE COMMUNICATIONS.....	536
PETDESK.....	900
PETSAPP.....	627
POSITIVE IMPRESSIONS.....	1889
VET2PET APP BUILDERS.....	2451
VISUAL MANAGEMENT.....	2116

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ADDISON BIOLOGICAL LABORATORY, INC.....	1929
AMERICAN INSTITUTE OF MEDICAL LASER APPLICATIONS.....	502
ARDENT ANIMAL HEALTH.....	1236
ASSISI ANIMAL HEALTH.....	1880
CHI UNIVERSITY.....	640
CHOU2 PHARMA.....	2173
DR FOSSUM'S PET CARE.....	1878
H2O FOR FITNESS.....	604
HUDSON AQUATIC SYSTEMS.....	1158
INTERNATIONAL VETERINARY ACUPUNCTURE SOCIETY.....	508
MEDICAL PET SHIRTS INTERNATIONAL.....	1627
MULTI RADIANCE MEDICAL.....	765
PET RELEAF PROFESSIONAL.....	617
PKB ANIMAL HEALTH.....	2024
PRIMAL PET FOODS.....	714
PYTHIUM TECHNOLOGIES INC.....	1476
REGENCY/PAWPALS.....	2281
RX VITAMINS INC.....	1916

VETSTEM BIOPHARMA.....	1723
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AIV INC.....	2463
ANDERSEN PRODUCTS OF CALIFORNIA.....	2317
DRE VETERINARY.....	948
OLYMPIC VETERINARY.....	1450
SHOR-LINE.....	2321
SNYDER MFG. CO.....	2216
SONIQUENCE.....	1988
SUBURBAN SURGICAL COMPANY, INC.....	1630
TRISTAR VET.....	2426
VETERINARY WARMING SOLUTIONS.....	1877
ZOMEDICA.....	721

HOSPITAL SAFETY & OSHA

AAHA - AMERICAN ANIMAL HOSPITAL ASSOCIATION.....	1924
ACT ONLINE TRAINING.....	2217

AMERICAN INSTITUTE OF MEDICAL LASER APPLICATIONS.....	502
HEALTH TECHNOLOGY PROFESSIONAL PRODUCTS, INC.....	1820
OLYMPIC VETERINARY.....	1450
ONLY CREMATIONS AND AQUAMATION FOR PETS.....	550
SAFEHOLD SPECIAL RISK, INC.....	1160

IMPLANTS FOR ORTHOPEDICS

ARTHREX VET SYSTEMS.....	1344
GERVETUSA INC.....	1001
MOVORA.....	929
PETVIVO.....	949
STERIS ANIMAL HEALTH.....	2436
WEST COAST MEDICAL EQUIPMENT SERVICES, INC.....	962

LAB TESTING SERVICES; REFERENCE & CONSULTING DIAGNOSTICIANS

ANIMAL BLOOD RESOURCES INTERNATIONAL.....	844
ANTECH / SOUND IMAGING.....	1759
AVIAN & EXOTIC ANIMAL CLIN PATH LABS.....	2420
BIONOTE USA.....	1773
IDEXX.....	937
LEXAGENE.....	1558
NEXTMUNE.....	1463
OXFORD SCIENCE.....	1927
PETDX.....	528
SKOPEO MICRO.....	1141
VETEK LABS.....	1562
VOLITION VETERINARY DIAGNOSTICS DEVELOPMENT LLC.....	1059

LEASHES & COLLARS

AKC REUNITE.....	2023
CAMPBELL PET COMPANY.....	2027
MIRACLECORP PRODUCTS.....	964
POSITIVE IMPRESSIONS.....	1889
SMARTPRACTICE.....	1052
TRIMLINE MANUFACTURING.....	1725
ZENPET.....	1817

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NEWLANE FINANCE CORP.....	1124
OMNI PRACTICE GROUP.....	2459
PACIFIC PROFESSIONALS, INC.....	730
STEARNS BANK.....	2480
UNITED COMMUNITY BANK.....	1474

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DRE VETERINARY.....	948
MEDICAL ILLUMINATION.....	1717
ROSE MICRO SOLUTIONS.....	1005, 1620, 2447
RX LOUPES.....	1108
SHOR-LINE.....	2321

SUBURBAN SURGICAL COMPANY, INC.	1630
SUNNEX	711
SURGTEL	820
ULTRALIGHT OPTIC INC.	805
MARKETING	
BEYOND INDIGO PETS	1342
PROSITES	817
MEDICAL EQUIPMENT AND SUPPLIES	
ADVANCED MONITORS CORP.	2416
AESCULIGHT	1436
AIV INC.	2463
ALLISON MEDICAL	2181
ANDERSEN PRODUCTS OF CALIFORNIA	2317
ARDENT ANIMAL HEALTH	1236
ARTHREX VET SYSTEMS	1344
ASSOCIATED ENDOSCOPY, INC.	1116
BIONET AMERICA, INC.	1274
BIOVISION VETERINARY ENDOSCOPY LLC	1727
CLARIUS MOBILE HEALTH	2417
COMPANION ANIMAL HEALTH BY LITECURE	2155
CRESILON INC.	1781
CUBEX	1283
DIGATHERM, LLC	1037
DIGICARE ANIMAL HEALTH	2427
ELLMAN, A CYNOSURE COMPANY	1731
ENDOSCOPY SUPPORT SERVICES, INC.	1048
ESAOTE NORTH AMERICA	872
FIRST VETERINARY SUPPLY	814
FUJIFILM SONOSITE, INC.	545
GERVETUSA INC.	1001
GIMDX, INC.	430
H2O FOR FITNESS	604
HALYARD	416
HEALTHY TRACKS FOR	
PETS (TRIVIDIA HEALTH, INC.)	1675
HUDSON AQUATIC SYSTEMS	1158
JD MEDICAL	1377
JORGENSEN LABORATORIES	2221
KARL STORZ VETERINARY	2016
MASIMO	2449
MEDICAL ILLUMINATION	1717
MIDOG LLC	725
MILA INTERNATIONAL, INC.	1821
MILLPLEDGE VETERINARY	746
MILTEX	1480
MOVORA	929
MWI ANIMAL HEALTH	1973
MXR IMAGING	921
NOVA BIOMEDICAL	829
OLYMPIC VETERINARY	1450
ONLY CREMATIONS AND AQUAMATION FOR PETS	550
PLASMA BIONICS, LLC	2380
POSKOM AMERICA (A UNITED RADIOLOGY SYSTEMS COMPANY)	1010
ROSE MICRO SOLUTIONS	1005, 1620, 2447
RX LOUPES	1108
SAMSUNG	821
SCOPIOVET	1629
SHENZHEN MINDRAY ANIMAL MEDICAL TECHNOLOGY CO., LTD.	965
SILVERGLIDE / MAI ANIMAL HEALTH	2128
SKOPED MICRO	1141
SKULLS UNLIMITED INTERNATIONAL, INC.	2127
SMARTPRACTICE	1052
SMITHS MEDICAL	1437

SONIQUEENCE	1988
SPECTRAVET THERAPEUTIC LASERS	904
SUBURBAN SURGICAL COMPANY, INC.	1630
SUMMUS MEDICAL LASER	1273
SURGICAL SPECIALTIES ANIMAL HEALTH	605
SURGTEL	820
SYMMETRY SURGICAL	331
TRISTAR VET	2426
TRIUMPH MEDICAL SERVICES	1458
TUTTNAUER USA	2077
ULTIMED	952
ULTRALIGHT OPTIC INC.	805
UNIVERSAL SURGICAL INSTRUMENTS	2117
VETCORDER/MAI ANIMAL HEALTH	2126
VETERINARY CONCEPTS	2124
VETERINARY WARMING SOLUTIONS	1877
VETLAND MEDICAL SALES & SERVICES, LLC	2443
VMED TECHNOLOGY	846
WEST COAST MEDICAL EQUIPMENT SERVICES, INC.	962
ZENPET	1817
ZOMEDICA	721
MEDICAL RECORDS, BUSINESS FORMS, & INVOICING SYSTEMS	
SKOPED MICRO	1141
VISUAL MANAGEMENT	2116
WEAVE	859, 1122
MICROCHIPS	
AKC REUNITE	2023
MERCK ANIMAL HEALTH	2137
PETLINK	2017
JORGENSEN LABORATORIES	2221
MINITUBE USA	1057
ROSE MICRO SOLUTIONS	1005, 1620, 2447
SCOPIOVET	1629
SKOPED MICRO	1141
MOBILE EQUIPMENT AND SUPPLIES	
ADVANCED MONITORS CORP.	2416
BOWIE INTERNATIONAL, LLC	1772
BUTTERFLY NETWORK	2273
DIAGNOSTIC IMAGING SYSTEMS, INC.	1953
ESAOTE NORTH AMERICA	872
EZEE-VISIT PET VET MAT	716
FIREFLY GLOBAL	917
FUJIFILM SONOSITE, INC.	545
H2O FOR FITNESS	604
LA BOIT SPECIALTY VEHICLES, INC.	1788
MEDICAL ILLUMINATION	1717
MXR IMAGING	921
PEACEFUL MEMORIES	
BY MEMORIES UNLIMITED, INC.	522
PLASMA BIONICS, LLC	2380
PNEU-DART, INC.	860
POSKOM AMERICA (A UNITED RADIOLOGY SYSTEMS COMPANY)	1010
REGENCY/PAWPALS	2281
SHOR-LINE	2321
SPECTRAVET THERAPEUTIC LASERS	904
SUBURBAN SURGICAL COMPANY, INC.	1630
MONITORING EQUIPMENT & ACCESSORIES	
BIONET AMERICA, INC.	1274
BIONOTE USA	1773
DIGATHERM, LLC	1037
DIGICARE ANIMAL HEALTH	2427

JD MEDICAL	1377
LEXAGENE	1558
MAI ANIMAL HEALTH	2120
MASIMO	2449
MERCK ANIMAL HEALTH	2137
MIDMARK CORPORATION	2359
NOVA BIOMEDICAL	829
PETMAP	1920
RADIATION DETECTION CO.	863
SMITHS MEDICAL	1437
SUNTECH MEDICAL, INC.	926
VETCORDER/MAI ANIMAL HEALTH	2126
VETLAND MEDICAL SALES & SERVICES, LLC	2443
VMED TECHNOLOGY	846
NEW CLIENT ACQUISITION	
AMERIVET	1626
GENIUSVETS	1051
INTOUCH PRACTICE COMMUNICATIONS	536
NEW YORK LIFE INSURANCE COMPANY	609
PAWSTIME	1375
PETDESK	900
PROSITES	817
SCRATCHPAY	857, 2183
SECOND NATURE	708
VCA ANIMAL HOSPITALS	2057
VETMATRIX	729, 1955
WEAVE	859, 1122
NONPROFIT	
#SHADEOUTDM	509
AKC REUNITE	2023
AUXILIARY TO THE AVMA	557
ETHOS DISCOVERY	974
EVERYCAT HEALTH FOUNDATION	507
NAV MEDIA	1238
NUTRACEUTICALS & PROBIOTICS	
DECHRA VETERINARY PRODUCTS	1573
DR FOSSUM'S PET CARE	1878
ELLEVE SCIENCES	529
LAFFER - EMERALD	1726
LINTBELLS INC.	1983
MILLPLEDGE VETERINARY	746
PRIMAL PET FOODS	714
PURINA® PRO PLAN® VETERINARY DIETS	1149
RX VITAMINS INC.	1916
STANDARD PROCESS INC.	1027
VAN BEEK NATURAL SCIENCE	1336, 2228
VETBIOTEK, INC.	1716
VETOQUINOL	663
VETRISCIENCE LABORATORIES	1378
VISBIOME VET - EXEGI PHARMA	809
NUTRITIONAL SUPPLEMENTS	
CHOU2 PHARMA	2173
DR FOSSUM'S PET CARE	1878
LAFFER - EMERALD	1726
LINTBELLS INC.	1983
MAI ANIMAL HEALTH	2120
MIRACLECORP PRODUCTS	964
OXBOW ANIMAL HEALTH	2422
PET-AG, INC.	2073
PRIMAL PET FOODS	714
PRN PHARMACAL	1559
PURINA® PRO PLAN® VETERINARY DIETS	1149
RX VITAMINS INC.	1916
STANDARD PROCESS INC.	1027

VAN BEEK NATURAL SCIENCE.....	1336, 2228
VETBIOTEK, INC.....	1716
VETCLASSICS.....	1621
VETOQUINOL.....	663
VETRISCIENCE LABORATORIES.....	1378

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DECHRA VETERINARY PRODUCTS.....	1573
EPICUR PHARMA.....	720
JORGENSEN LABORATORIES.....	2221
MEDS FOR VETS.....	958
RICA SURGICAL PRODUCTS, INC.....	2180
ROSE MICRO SOLUTIONS.....	1005, 1620, 2447
SENTRX ANIMAL CARE.....	1883
SONTEC INSTRUMENTS, INC.....	1827

OXYGEN ADMINISTRATION & INHALATION THERAPY

PAWPRINT OXYGEN.....	1683
Parasiticides	
AURORA PHARMACEUTICAL.....	1240
ELANCO ANIMAL HEALTH.....	2147
MERCK ANIMAL HEALTH.....	2137
NORBROOK INC.....	959
ZOETIS PETCARE.....	1737
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DRE VETERINARY.....	948
HOT DOG PATIENT WARMING.....	2467
RICA SURGICAL PRODUCTS, INC.....	2180
SMITHS MEDICAL.....	1437
VETERINARY WARMING SOLUTIONS.....	1877

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AMERICAN CREMATORY EQUIPMENT CO.....	914
ONLY CREMATIONS AND AQUAMATION FOR PETS.....	550
PEACEFUL MEMORIES BY MEMORIES UNLIMITED, INC.....	522
REGENCY/PAWPALS.....	2281
US CREMATION EQUIPMENT.....	702

PET FOOD / NUTRITION

1-800-PETMEDS.....	1000
BLUE BUFFALO COMPANY.....	1616
DIAMOND PET FOODS.....	1012
GREENIES.....	1473
HILL'S PET NUTRITION, INC.....	1547
LAFEBER - EMERALD.....	1726
LINTBELLS INC.....	1983
MIRACLECORP PRODUCTS.....	964
OXBOW ANIMAL HEALTH.....	2422
PET RELIEF PROFESSIONAL.....	617
PET-AG, INC.....	2073
PETCO VETERINARY PARTNERS.....	521
PRIMAL PET FOODS.....	714
PURINA® PRO PLAN® VETERINARY DIETS.....	1149
ROYAL CANIN.....	737
STANDARD PROCESS INC.....	1027
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CAMPBELL PET COMPANY.....	2027
EZEE-VISIT PET VET MAT.....	716
HEALTHY TRACKS FOR PETS (TRIVIDIA HEALTH, INC.).....	1675
KONG VETERINARY PRODUCTS (KVP).....	1148
OXBOW ANIMAL HEALTH.....	2422
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PETCO VETERINARY PARTNERS.....	521
PKB ANIMAL HEALTH.....	2024
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TARTAR SHIELD PET PRODUCTS.....	1049
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PHARMACEUTICAL

1-800-PETMEDS.....	1000
ADEQUAN CANINE.....	1659
AKORN.....	1830
ANIVIVE LIFESCIENCES, INC.....	1872
AURORA PHARMACEUTICAL.....	1240
CEVA ANIMAL HEALTH.....	2320
CLIPPER DISTRIBUTING.....	2085
COVETRUS.....	1159
DERMAZOO / OTOPET-USA / CHRONOZOO.....	2075
ELANCO ANIMAL HEALTH.....	2147
EPICUR PHARMA.....	720
MG BIOLOGICS.....	726
MIXLAB PHARMACY.....	1853
MODERN VETERINARY THERAPEUTICS.....	1654
NEOGEN.....	2028
NEXTMUNE.....	1463
NORBROOK INC.....	959
PRN PHARMACAL.....	1559
RED ROCK BIOLOGICS.....	1025
STANDARD PROCESS INC.....	1027
THE VETERINARY COOPERATIVE.....	2337
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VORTECH PHARMACEUTICALS, LTD.....	2025
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1-800-PETMEDS.....	1000
BCP VETERINARY PHARMACY.....	920
EPICUR PHARMA.....	720
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COMPOUNDING PHARMACY.....	1381
MEDS FOR VETS.....	958
MIXLAB PHARMACY.....	1853
PET HEALTH, DIVISION OF	
WOMEN'S INTERNATIONAL PHARMACY, INC.....	2125
PROFESSIONAL PHARMACY RESOURCES.....	1112
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WEDGEWOOD PHARMACY.....	1445

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#SHADEOUTDM.....	509
AMERICAN INSTITUTE OF	
MEDICAL LASER APPLICATIONS.....	502
ASSISI ANIMAL HEALTH.....	1880

COMPANION ANIMAL HEALTH BY LITECURE.....	2155
H2O FOR FITNESS.....	604
HUDSON AQUATIC SYSTEMS.....	1158
MULTI RADIANCE MEDICAL.....	765
PETVIVO.....	949
RESPOND SYSTEMS.....	806
SPECTRAVET THERAPEUTIC LASERS.....	904
SUMMUS MEDICAL LASER.....	1273

PORTABLE DIAGNOSTIC EQUIPMENT

ASTERIS, INC.....	1120
BIONET AMERICA, INC.....	1274
BIONOTE USA.....	1773
DIAGNOSTIC IMAGING SYSTEMS, INC.....	1953
DIGATHERM, LLC.....	1037
FUJIFILM SONOSITE, INC.....	545
LEXAGENE.....	1558
MICROVET DIAGNOSTICS.....	808
MXR IMAGING.....	921
NOVA BIOMEDICAL.....	829
POSKOM AMERICA	
(A UNITED RADIOLOGY SYSTEMS COMPANY).....	1010
SHENZHEN MINDRAY ANIMAL	
MEDICAL TECHNOLOGY CO., LTD.....	965
SUNTECH MEDICAL, INC.....	926
VETEL DIAGNOSTICS.....	1004

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DIAGNOSTIC IMAGING SYSTEMS, INC.....	1953
TRIMLINE MANUFACTURING.....	1725
VETERINARY CONCEPTS.....	2124
VETERINARY WARMING SOLUTIONS.....	1877

PRACTICE MANAGEMENT SOFTWARE

ANTECH / SOUND IMAGING.....	1759
EZYVET.....	864
GRAVITY PAYMENTS.....	1164
IDEXX.....	937
INTOUCH PRACTICE COMMUNICATIONS.....	536
LIFELEARN, INC.....	2455
MWI ANIMAL HEALTH.....	1973
NAVETOR CLOUD SOFTWARE.....	865
PETDESK.....	900
PETSAPP.....	627
PRACTICECHECK.....	1156
PROSITES.....	817
SCHULTZ TECHNOLOGY.....	2381
WEAVE.....	859, 1122

PRACTICE REAL ESTATE FINANCING

BANK OF AMERICA PRACTICE SOLUTIONS.....	2437
FIRST BANK OF THE LAKE.....	1053
FIRST FINANCIAL BANK.....	851
LIVE OAK BANK.....	1143
PACIFIC WESTERN BANK.....	704
TERRAVET REAL ESTATE SOLUTIONS.....	513
UNITED COMMUNITY BANK.....	1474
VETLEY CAPITAL.....	907
WELLS FARGO PRACTICE FINANCE.....	2373

PRACTICE SALES AND / OR ACQUISITIONS

ACKERMAN GROUP.....	1272
AMERIVET.....	1626
BANK OF AMERICA PRACTICE SOLUTIONS.....	2437
BLUE RIVER PETCARE.....	705
COMPANION PET PARTNERS.....	1110
DVM MANAGEMENT.....	1444
NEW YORK LIFE INSURANCE COMPANY.....	609
NVA.....	1061
OMNI PRACTICE GROUP.....	2459

PACIFIC PROFESSIONALS, INC.	730
PACIFIC WESTERN BANK	704
PATHWAY VET ALLIANCE	514
PEOPLE, PETS, & VETS	912
PETVET CARE CENTERS	337
PS BROKER, INC.	972
RETHINK WEALTH	1782
SAFEHOLD SPECIAL RISK, INC.	1160
SIMMONS & ASSOCIATES	1373
TERRAVET REAL ESTATE SOLUTIONS	513
TOTAL PRACTICE SOLUTIONS GROUP	1622
UNITED COMMUNITY BANK	1474
VETSTRATEGY	761
WELLS FARGO PRACTICE FINANCE	2373
PREVENTATIVE CARE FOR CATS AND DOGS	
#SHADEOUTDM	509
BANFIELD PET HOSPITAL	1565
BIONOTE USA	1773
DR FOSSUM'S PET CARE	1878
EASVET	649
HEALTHY TRACKS FOR PETS (TRIVIDIA HEALTH, INC.)	1675
IDEXX	937
IDEXX CAREERS	2287
KONG VETERINARY PRODUCTS (KVP)	1148
MIDOG LLC	725
PEOPLE, PETS, & VETS	912
PET RELEAF PROFESSIONAL	617
PETCO VETERINARY PARTNERS	521
PETIQ	1015
VOLITION VETERINARY	
DIAGNOSTICS DEVELOPMENT LLC	1059
PROFESSIONAL ASSOCIATIONS & GOVERNMENTAL AGENCIES	
AAHA - AMERICAN ANIMAL HOSPITAL ASSOCIATION	1924
AUXILIARY TO THE AVMA	557
HUMAN-ANIMAL BOND ASSOCIATION (HABA)	505
PROTECTIVE CLOTHING & SPECIALTY FOOTWEAR, SMALL ANIMAL	
TRIMLINE MANUFACTURING	1725
RADIOGRAPHY	
ASTERIS, INC.	1120
BUTTERFLY NETWORK	2273
DENTAL FOCUS, LLC	1446
DIAGNOSTIC IMAGING SYSTEMS, INC.	1953
IM3, INC.	1917
MICROVET DIAGNOSTICS	808
MIDMARK CORPORATION	2359
MINXRAY, INC.	1128
POSKOM AMERICA (A UNITED RADIOLOGY SYSTEMS COMPANY)	1010
SEDECAL USA, INC.	2421
SKULLS UNLIMITED INTERNATIONAL, INC.	2127
VETEL DIAGNOSTICS	1004
REPAIR SERVICES	
ASSOCIATED ENDOSCOPY, INC.	1116
DIAGNOSTIC IMAGING SYSTEMS, INC.	1953
DRE VETERINARY	948
ENDOSCOPY SUPPORT SERVICES, INC.	1048
JD MEDICAL	1377
STERIS ANIMAL HEALTH	2436

TRIUMPH MEDICAL SERVICES	1458
WEST COAST MEDICAL EQUIPMENT SERVICES, INC.	962
SCOPES FOR PHYSICAL EXAMINATION (OTO, OPHTHO, STETHO, ETC.)	
ADVANCED MONITORS CORP.	2416
BIOVISION VETERINARY ENDOSCOPY LLC	1727
DERMAZOO / OTOPET-USA / CHRONOZOO	2075
ENDOSCOPY SUPPORT SERVICES, INC.	1048
FIREFLY GLOBAL	917
SKOPED MICRO	1141
SOFTWARE APPLICATIONS	
20/20 IMAGING, A DIVISION OF KONICA MINOLTA	1142
ACT ONLINE TRAINING	2217
ASTERIS, INC.	1120
CUBEX	1283
DRAGON VETERINARY	2286
EZYVET	864
GVL	1023
LIFELearn, INC.	2455
MWI ANIMAL HEALTH	1973
NAVETOR CLOUD SOFTWARE	865
PETDESK	900
PRACTICECHECK	1156
ROYA.COM	2280
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CONTINUING EDUCATION CREDIT INFORMATION

CONTINUING EDUCATION CREDIT AT WVC

FULL CONFERENCE ► UP TO 49 CE HOURS FOR VETERINARIANS

FULL CONFERENCE ► UP TO 40 CE HOURS FOR VETERINARY TECHNICIANS

ONE-DAY CONFERENCE ► 8–12 CE HOURS

Each lecture is 50 minutes long and provides one hour of CE credit.
Please check with your respective state regarding the acceptance of hours spent inside the Exhibit Hall for continuing education credit.
Total hours are determined according to the following schedule:



DATE	CE
Sunday, September 5	8*
Monday, September 6	9* 8
Tuesday, September 7	10
Wednesday, September 8	12
Thursday, September 9	10

*Additional CE hours may be obtained by purchasing Hands-on Labs or Workshops. View the education program for a list of paid sessions.

PRACTICE MANAGEMENT FAST TRACK

- 82 CE Sessions
- Includes Workshops
- VHMA approved course ID 19-35



CERTIFICATE OF ATTENDANCE

Attendee
Address
City, State Zip Code

Dr. Jon R. Pennell
WVC 93rd Annual Conference
September 6-9, 2021

AAVSB-RACE CE hours of veterinary continuing education were presented via lectures and interactive sessions by WVC dba Viticus Group at Las Vegas, NV.

State of Licensure _____ License#(s) _____

Signature _____ Date _____

This program has been approved for _____ hours of continuing education credit in jurisdictions that recognize RACE approval. This RACE approval is for the subject matter categories of _____ using the delivery method of _____. This approval is valid in jurisdictions that recognize AAVSB RACE; however, participants are responsible for ascertaining each board's CE requirements.

Category Medical _____ Hours
Category Non-Medical _____ Hours
Delivery method: Live

Anthony Piazza, DVM, MS, DACVP
Chief Veterinary Medical Officer
Viticus Group

2425 E. OQUENDO RD. | LAS VEGAS, NV 89120 | P: 866.800.7326 | F: 702.739.6420
E: info@viticusgroup.org | W: ViticusGroup.org

The WVC 93rd Annual Conference AAVSB RACE

- The mechanisms for certification and documentation of attendance are determined by the policies of individual state boards and are the compliance responsibility of the individual participant.
- Hands-on laboratories and workshops are accredited based on the hours attended.
- To qualify for your CE certificate, your badge must have been printed and will be scanned upon entry to sessions.

ATTENTION VETERINARIANS AND VETERINARY TECHNICIANS LICENSED IN TEXAS

To meet the requirements for the State Board of Veterinary Medical Examiners, you must check in at the TX counter at Onsite Registration, your badge will be printed at that time. Before leaving the conference stop by the TX counter to sign your CE certificate and take it with you. Due to state CE requirements, Viticus Group cannot mail your CE certificate, and it will not be available online.

ATTENTION VETERINARIANS AND VETERINARY TECHNICIANS LICENSED IN NORTH CAROLINA

Please note: One hour of continuing education credit may be earned for each full hour of clinical seminar/presentation, lecture, discussions covering veterinary medicine, or lab attended. The maximum CE hours that can be obtained per Veterinarian is 42* and Veterinary Technician is 32.

*Includes hours obtained by purchasing Hands-on Labs (additional fees apply)

CE CERTIFICATE PRINTING

Your password-protected WVC 2021 Certificate of Attendance is also available online at wvc.org. Forgot your password? Enter your email address where indicated, and it will be sent to you. No email access? Unable to print? Please email the Viticus Group office at info@viticusgroup.org to request a printed certificate. (Not applicable to participants licensed in Texas.)

EXHIBIT HALL CE

Up to 2 CE hours. Contact your state for CE requirements.

SAFETY INFORMATION

Your safety is our first concern at Viticus Group. Although no emergency situation is anticipated, you should be aware of the following safety systems and procedures.

ALARM AND FIRE DETECTION SYSTEMS

Fire Detection: Mandalay Bay facilities are equipped with sophisticated electronic fire detection and alarm systems. State-of-the-art fire suppression systems control and extinguish fires of major consequence. Portable fire extinguishers are also strategically placed throughout the property.

EVACUATION

If an emergency warrants evacuation of the Convention Center, its magnitude is confirmed by Mandalay Bay Security and communicated to Convention Center personnel. Announcements regarding any perceived emergency, regardless of severity, are played over the Convention Center public address system at three notification levels:

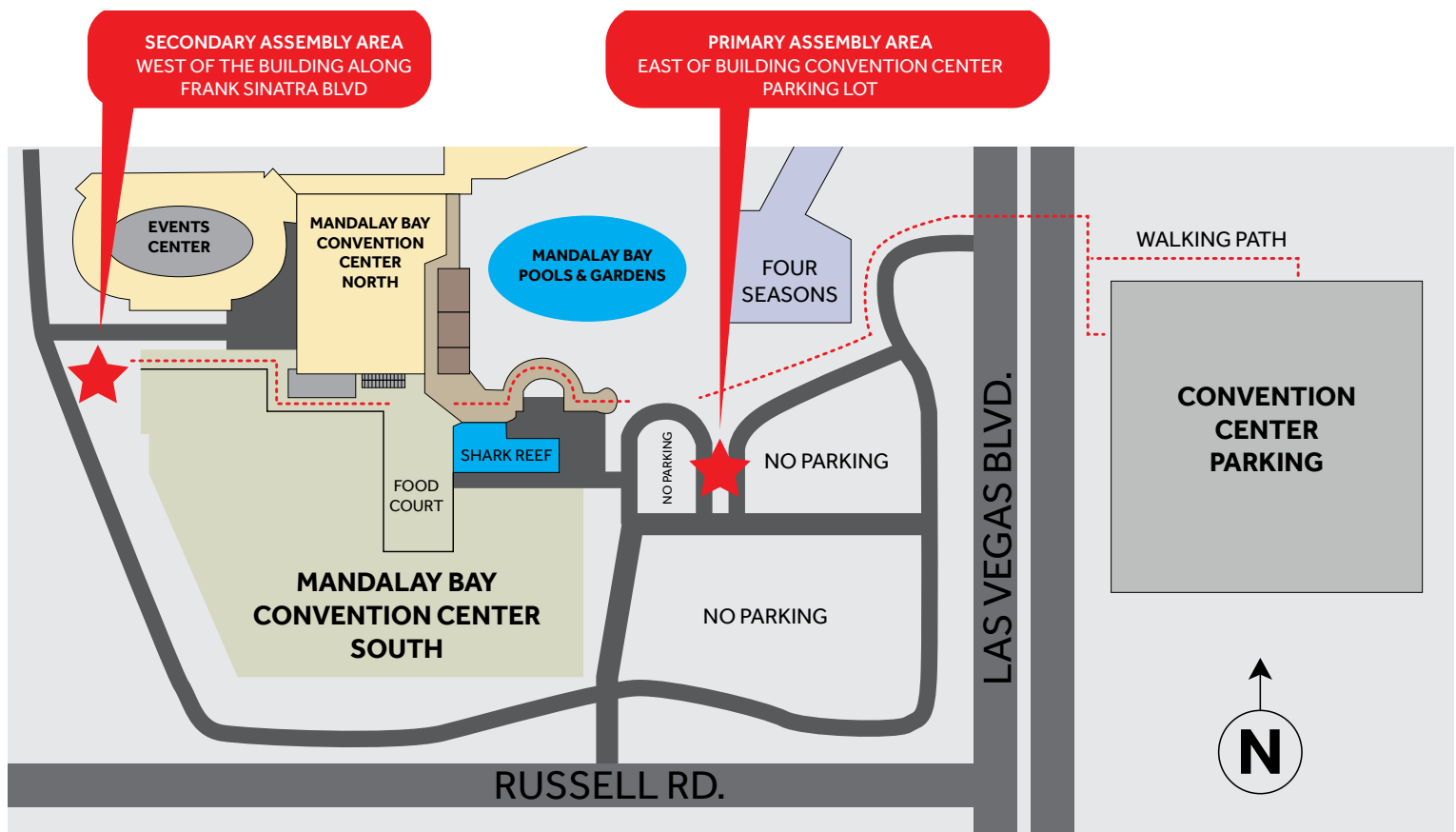
- Initial emergency while the source of the problem is investigated (female voice) – no action required.
- Non-emergency when the source of an alarm has been identified and the issue resolved (female voice) – no action required.
- Evacuation when the source of an alarm has been identified as cause to evacuate the building (male voice) – evacuation required.

EVACUATION SAFETY

- Remain calm and proceed in an orderly manner.
- Leave the facility through the nearest exit as instructed.
- Do not take time to retrieve personal property.
- Do not attempt to use elevators or escalators.
- Assist elderly and disabled persons.
- Listen for instructions via the public address system.
- Proceed directly to the designated assembly area located in the parking lot area, just outside the Shark Reef entrance (pictured below).
- Do not try to reenter the building until an “all clear” message is given.

EXITS

Emergency exits throughout the Convention Center are clearly marked, and signs remain visible even during power outages.



CHEWABLES

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

INDICATIONS: For use in dogs to prevent canine heartworm disease by eliminating the tissue stage of heartworm larvae (*Dirofilaria immitis*) for a month (30 days) after infection and for the treatment and control of ascarids (*Toxocara canis*, *Toxascaris leonina*) and hookworms (*Ancylostoma caninum*, *Uncinaria stenocephala*, *Ancylostoma braziliense*).

DOSAGE: HEARTGARD[®] Plus (ivermectin/pyrantel) should be administered orally at monthly intervals at the recommended minimum dose level of 6 mcg of ivermectin per kilogram (2.72 mcg/lb) and 5 mg of pyrantel (as pamoate salt) per kg (2.27 mg/lb) of body weight. The recommended dosing schedule for prevention of canine heartworm disease and for the treatment and control of ascarids and hookworms is as follows:

Dog Weight	CheWables Per Month	Ivermectin Content	Pyrantel Content	Color Coding On Foil Backing and Carton
Up to 25 lb	1	68 mcg	57 mg	Blue
26 to 50 lb	1	136 mcg	114 mg	Green
51 to 100 lb	1	272 mcg	227 mg	Brown

HEARTGARD Plus is recommended for dogs 6 weeks of age and older. For dogs over 100 lb use the appropriate combination of these chewables.

ADMINISTRATION: Remove only one chewable at a time from the foil-backed blister card. Return the card with the remaining chewables to its box to protect the product from light. Because most dogs find HEARTGARD Plus palatable, the product can be offered to the dog by hand. Alternatively, it may be added intact to a small amount of dog food. The chewable should be administered in a manner that encourages the dog to chew, rather than to swallow without chewing. Chewables may be broken into pieces and fed to dogs that normally swallow treats whole.

Care should be taken that the dog consumes the complete dose, and treated animals should be observed for a few minutes after administration to ensure that part of the dose is not lost or rejected. If it is suspected that any of the dose has been lost, redosing is recommended.

HEARTGARD Plus should be given at monthly intervals during the period of the year when mosquitoes (vectors), potentially carrying infective heartworm larvae, are active. The initial dose must be given within a month (30 days) after the dog's first exposure to mosquitoes. The final dose must be given within a month (30 days) after the dog's last exposure to mosquitoes.

When replacing another heartworm preventive product in a heartworm disease preventive program, the first dose of HEARTGARD Plus must be given within a month (30 days) of the last dose of the former medication.

If the interval between doses exceeds a month (30 days), the efficacy of ivermectin can be reduced. Therefore, for optimal performance, the chewable must be given once a month on or about the same day of the month. If treatment is delayed, whether by a few days or many, immediate treatment with HEARTGARD Plus and resumption of the recommended dosing regimen will minimize the opportunity for the development of adult heartworms.

Monthly treatment with HEARTGARD Plus also provides effective treatment and control of ascarids (*T. canis*, *T. leonina*) and hookworms (*A. caninum*, *U. stenocephala*, *A. braziliense*). Clients should be advised of measures to be taken to prevent reinfection with intestinal parasites.

EFFICACY: HEARTGARD Plus Chewables, given orally using the recommended dose and regimen, are effective against the tissue larval stage of *D. immitis* for a month (30 days) after infection and, as a result, prevent the development of the adult stage. HEARTGARD Plus Chewables are also effective against canine ascarids (*T. canis*, *T. leonina*) and hookworms (*A. caninum*, *U. stenocephala*, *A. braziliense*).

ACCEPTABILITY: In acceptability and field trials, HEARTGARD Plus was shown to be an acceptable oral dosage form that was consumed at first offering by the majority of dogs.

PRECAUTIONS: All dogs should be tested for existing heartworm infection before starting treatment with HEARTGARD Plus which is not effective against adult *D. immitis*. Infected dogs must be treated to remove adult heartworms and microfilariae before initiating a program with HEARTGARD Plus.

While some microfilariae may be killed by the ivermectin in HEARTGARD Plus at the recommended dose level, HEARTGARD Plus is not effective for microfilariae clearance. A mild hypersensitivity-type reaction, presumably due to dead or dying microfilariae and particularly involving a transient diarrhea, has been observed in clinical trials with ivermectin alone after treatment of some dogs that have circulating microfilariae.

Keep this and all drugs out of the reach of children.

In case of ingestion by humans, clients should be advised to contact a physician immediately. Physicians may contact a Poison Control Center for advice concerning cases of ingestion by humans.

Store between 68°F - 77°F (20°C - 25°C). Excursions between 59°F - 86°F (15°C - 30°C) are permitted. Protect product from light.

ADVERSE REACTIONS: In clinical field trials with HEARTGARD Plus, vomiting or diarrhea within 24 hours of dosing was rarely observed (1.1% of administered doses). The following adverse reactions have been reported following the use of HEARTGARD: Depression/lethargy, vomiting, anorexia, diarrhea, mydriasis, ataxia, staggering, convulsions and hypersalivation.

To report suspected adverse drug events, for technical assistance, or to obtain a copy of the Safety Data Sheet (SDS), contact Boehringer Ingelheim Animal Health USA Inc. at 1-888-637-4251. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS, or online at <http://www.fda.gov/AnimalVeterinary/SafetyHealth>.

SAFETY: HEARTGARD Plus has been shown to be bioequivalent to HEARTGARD, with respect to the bioavailability of ivermectin. The dose regimens of HEARTGARD Plus and HEARTGARD are the same with regard to ivermectin (6 mcg/kg). Studies with ivermectin indicate that certain dogs of the Collie breed are more sensitive to the effects of ivermectin administered at elevated dose levels (more than 16 times the target use level) than dogs of other breeds. At elevated doses, sensitive dogs showed adverse reactions which included mydriasis, depression, ataxia, tremors, drooling, paresis, recumbency, excitability, stupor, coma and death. HEARTGARD demonstrated no signs of toxicity at 10 times the recommended dose (60 mcg/kg) in sensitive Collies. Results of these trials and bioequivalency studies, support the safety of HEARTGARD products in dogs, including Collies, when used as recommended.

HEARTGARD Plus has shown a wide margin of safety at the recommended dose level in dogs, including pregnant or breeding bitches, stud dogs and puppies aged 6 or more weeks. In clinical trials, many commonly used flea collars, dips, shampoos, anthelmintics, antibiotics, vaccines and steroid preparations have been administered with HEARTGARD Plus in a heartworm disease prevention program.

In one trial, where some pups had parvovirus, there was a marginal reduction in efficacy against intestinal nematodes, possibly due to a change in intestinal transit time.

HOW SUPPLIED: HEARTGARD Plus is available in three dosage strengths (see DOSAGE section) for dogs of different weights. Each strength comes in convenient cartons of 6 and 12 chewables.

Marketed by
Boehringer Ingelheim Animal Health USA Inc.
Duluth, GA 30096

Made in U.S.A.

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Rev. 08-2018

1050-1999-04.

US-PET-0199-2020.

Brief Summary: Before using NexGard[®] (afoxolaner) Chewables, please consult the product insert, a summary of which follows.

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

Description: NexGard is a soft chewable for oral administration to dogs and puppies according to their weight. Each chewable is formulated to provide a minimum afoxolaner dosage of 1.14 mg/lb (2.5 mg/kg).

Indications: NexGard kills adult fleas and is indicated for the treatment and prevention of flea infestations (*Ctenocephalides felis*), and the treatment and control of *Ixodes scapularis*, *Dermacentor variabilis*, *Amblyomma americanum*, and *Rhipicephalus sanguineus* infestations in dogs and puppies 8 weeks of age and older, weighing 4 pounds of body weight or greater, for one month. NexGard is indicated for the prevention of *Borrelia burgdorferi* infections as a direct result of killing *Ixodes scapularis* vector ticks.

Dosage and Administration: NexGard is given orally once a month, at the minimum dosage of 1.14 mg/lb (2.5 mg/kg). See full product insert for dosing table and details.

Warnings: Not for use in humans. Keep this and all drugs out of the reach of children. In case of accidental ingestion, contact a physician immediately. Keep NexGard in a secure location out of reach of dogs, cats, and other animals to prevent accidental ingestion or overdose.

Precautions: Afoxolaner is a member of the isoxazoline class. This class has been associated with neurologic adverse reactions including tremors, ataxia, and seizures. Seizures have been reported in dogs receiving isoxazoline class drugs, even in dogs without a history of seizures. Use with caution in dogs with a history of seizures or neurologic disorders.

The safe use of NexGard in breeding, pregnant or lactating dogs has not been evaluated.

Adverse Reactions: In a well-controlled US field study, which included a total of 333 households and 615 treated dogs (415 administered afoxolaner; 200 administered active control), no serious adverse reactions were observed with NexGard.

Over the 90-day study period, all observations of potential adverse reactions were recorded. The most frequent reactions reported at an incidence of > 1% within any of the three months of observations are presented in the following table.

Table 1: Dogs with Adverse Reactions.

	Treatment Group			
	Afoxolaner		Oral active control	
	N ¹	% (n=415)	N ²	% (n=200)
Vomiting (with and without blood)	17	4.1	25	12.5
Dry/Flaky Skin	13	3.1	2	1.0
Diarrhea (with and without blood)	13	3.1	7	3.5
Lethargy	7	1.7	4	2.0
Anorexia	5	1.2	9	4.5

¹ Number of dogs in the afoxolaner treatment group with the identified abnormality.

² Number of dogs in the control group with the identified abnormality.

In the US field study, one dog with a history of seizures experienced a seizure on the same day after receiving the first dose and on the same day after receiving the second dose of NexGard. This dog experienced a third seizure one week after receiving the third dose. The dog remained enrolled and completed the study. Another dog with a history of seizures had a seizure 19 days after the third dose of NexGard. The dog remained enrolled and completed the study. A third dog with a history of seizures received NexGard and experienced no seizures throughout the study.

Post-Approval Experience (July 2018): The following adverse events are based on post-approval adverse drug experience reporting. Not all adverse events are reported to FDA/CVM. It is not always possible to reliably estimate the adverse event frequency or establish a causal relationship to product exposure using these data.

The following adverse events reported for dogs are listed in decreasing order of reporting frequency for NexGard: Vomiting, pruritus, lethargy, diarrhea (with and without blood), anorexia, seizure, hyperactivity/restlessness, panting, erythema, ataxia, dermatitis (including rash, papules), allergic reactions (including hives, swelling), and tremors.

Effectiveness: See full product insert for details regarding Effectiveness.

Animal Safety: In a margin of safety study, NexGard was administered orally to 8 to 9-week-old Beagle puppies at 1, 3, and 5 times the maximum exposure dose for a total of six treatments. There were no clinically-relevant effects related to treatment on physical examination, body weight, food consumption, clinical pathology (hematology, clinical chemistries, or coagulation tests), gross pathology, histopathology or organ weights. Vomiting occurred throughout the study, with a similar incidence in the treated and control groups, including one dog in the 5x group that vomited four hours after treatment.

In a well-controlled field study, no adverse reactions were observed from the concomitant use of NexGard with other medications.

Contact Information: For a copy of the Safety Data Sheet (SDS) or to report suspected adverse drug events, contact Boehringer Ingelheim Animal Health USA Inc. at 1-888-637-4251. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or www.fda.gov/reportanimalae.

The information provided here is not comprehensive. The full FDA-approved product insert is available at www.nexgardfordogs.com. Consult your veterinarian for further information.

Product approved by FDA under NADA # 141-406

Marketed by: Frontline Vet Labs™, a Division of Boehringer Ingelheim Animal Health USA Inc.
Duluth, GA 30096

NexGard[®] is a registered trademark and FRONTLINE VET LABS™ is a trademark of the Boehringer Ingelheim Group.

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Reference package insert: 1050-4493-09 Rev. 11/2019

Brief summary preparation date: 08/2020

US-PET-0735-2020

Heartgard[®] Plus
(ivermectin/pyrantel)

NexGard[®]
(afoxolaner) Chewables

some things just go together

Prescribe HEARTGARD[®] Plus (ivermectin/pyrantel) and NexGard[®] (afoxolaner) for peace of mind and proven protection.

✓ **DESIGNED WITH COMPLIANCE IN MIND**

- HEARTGARD[®] Plus and NexGard[®] are formulated with the #1 tastes dogs prefer.^{1,2}
- In an assessment of parasiticide purchases in veterinary clinics in 2019, dog owners that paired NexGard for flea & tick control with HEARTGARD Plus for heartworm disease prevention were the most likely to purchase a full 12 months of protection of both versus other common brand pairings.^{*3}

✓ **LEGACY OF PROTECTION:**

- Over 2 billion doses of HEARTGARD Plus, and over 270 million doses of NexGard have been prescribed.^{*4,5}



Contact your Boehringer Ingelheim Representative to learn more.

IMPORTANT SAFETY INFORMATION: HEARTGARD Plus is well tolerated. All dogs should be tested for heartworm infection before starting a preventive program. Following the use of HEARTGARD Plus, digestive and neurological side effects have rarely been reported. For more information, please see full prescribing information or visit www.HEARTGARDClinic.com.

IMPORTANT SAFETY INFORMATION: NexGard is for use in dogs only. The most frequently reported adverse reactions include vomiting, pruritus, lethargy, diarrhea, and lack of appetite. The safe use of NexGard in pregnant, breeding, or lactating dogs has not been evaluated. Use with caution in dogs with a history of seizures or neurologic disorders. For more information, please see full prescribing information or visit www.NexGardClinic.com.

*For this assessment, a common brand pairing is defined as having been purchased for more than 25,000 dogs. 591,200 pet owners paired NexGard for flea and tick control with HEARTGARD Plus for heartworm disease prevention – more than any other possible pairing.

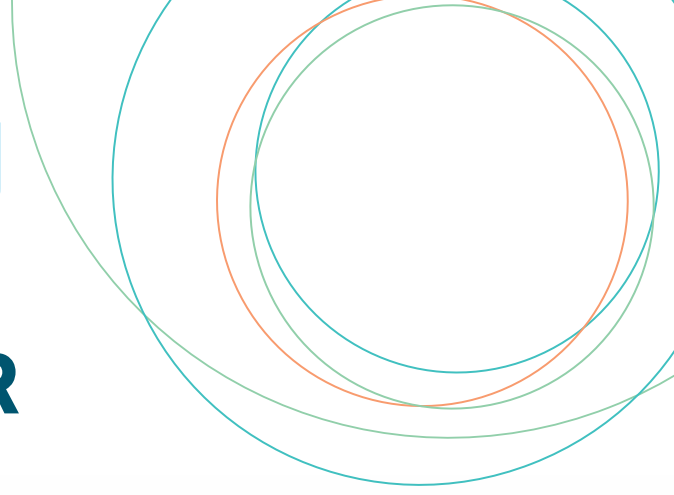
1. Data on file at Boehringer Ingelheim. 2. Data on file at Boehringer Ingelheim. 3. Data on file at IDEXX Laboratories, Inc. Westbrook, Maine USA. 4. Data on file at Boehringer Ingelheim.

5. Data on file at Boehringer Ingelheim.

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