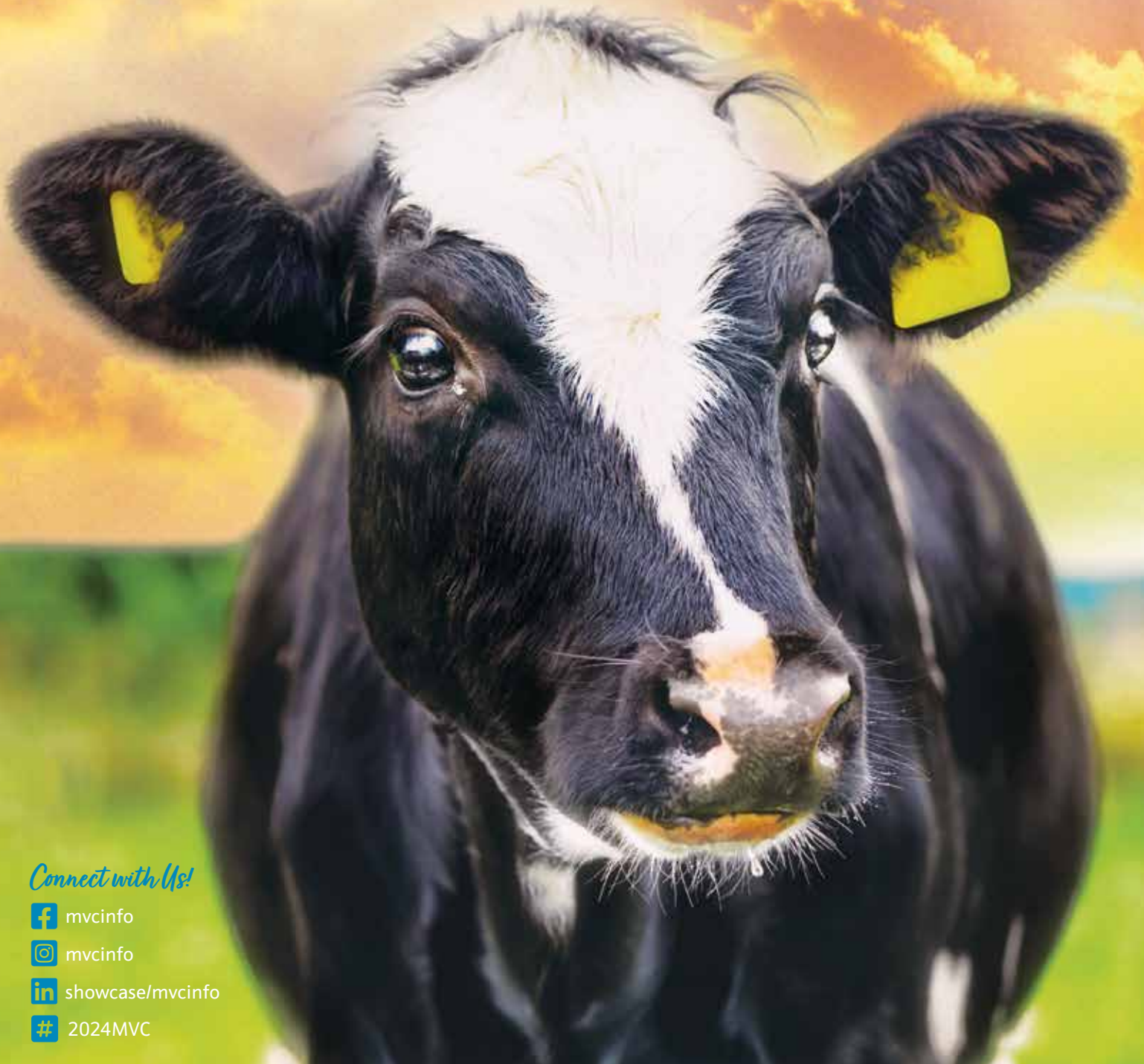


3 DAYS LIVE // 6 MONTHS ON DEMAND // 25+ TRACKS // 100+ SPEAKERS // 150+ EXHIBITORS // 325+ HOURS OF CE // ONE EXCEPTIONAL EVENT

mvc **midwest** *hybrid* VETERINARY CONFERENCE

HOSTED BY OHIO VETERINARY MEDICAL ASSOCIATION // FEB. 22-24, 2024 // LIVE IN COLUMBUS, OHIO



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2024MVC

2024 Registration Program

Attendee Information

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MVC HOTEL BLOCKS

Book online at www.mvcinfo.org/travel

HYATT REGENCY 350 N. High St., Columbus OH 43215

HEADQUARTERS HOTEL / CONNECTED TO CONVENTION CENTER

NIGHTLY RATE ¹	GROUP CODE	CLOSE DATE ²	PHONE ³
Single: From \$192 • Double: From \$202	G-DIG3	1/30/24	614.463.1234

HILTON 401 N. High St., Columbus OH 43215

CONNECTED TO CONVENTION CENTER

NIGHTLY RATE ¹	GROUP CODE	CLOSE DATE ²	PHONE ³
Single/Double: \$189	OVMA24	1/22/24	614.384.8600

DRURY INN 88 E. Nationwide Blvd., Columbus OH 43215

CONNECTED TO HYATT

NIGHTLY RATE ¹	GROUP CODE	CLOSE DATE ²	PHONE ³
Single/Double: \$174	10064297	1/22/24	800.325.0720

CANOPY HOTEL 77 E. Nationwide Blvd., Columbus OH 43215

ACROSS FROM HYATT

NIGHTLY RATE ¹	GROUP CODE	CLOSE DATE ²	PHONE ³
Single/Double: \$192	90K	1/22/24	614.223.1400

HAMPTON INN 501 N. High St., Columbus OH 43215

ACROSS FROM CONVENTION CENTER

NIGHTLY RATE ¹	GROUP CODE	CLOSE DATE ²	PHONE ³
Single: \$175 • Double: \$185	CHHMCV	1/20/24	614.559.2000

1. Rates do not include current tax of 17.5%. // 2. Or until sold out. See website for overflow hotels. // 3. Or book online at www.mvcinfo.org/travel.



CAN'T WAIT UNTIL FEBRUARY? GET A SNEAK PEEK NOW!

Tune in to OVMA's **Fully Vetted Podcast** to meet some of our expert speakers and get a sneak peek at their sessions! Visit www.mvcinfo.org/podcast to find out which speakers are participating, or tune in on Apple, Spotify, Google, Pandora, and all the usual podcast places.

DATES & DEADLINES

11/13/23* Advance registration begins
**subject to change*
 Details on page 5

1/20/24 Room block at Hampton Inn closes
 Details in chart above

1/22/24 **Advance registration deadline**
 11:59 P.M. ET
 • Last day to register for live MVC and receive mailed confirmation packet
 • No mail/fax registrations accepted after this date (online registration remains open)
 Details on page 5

1/22/24 Room blocks at Drury, Hilton, and Canopy close.
 Details in chart above

1/23/24 Regular registration begins; prices increase
 12:00 A.M. ET
 Details on page 5

1/30/24 Room block at Hyatt Regency closes
 Details in chart above

WEEK OF 2/5/24 Conference Proceedings and Mobile App released

Confirmation packets mailed
 Details on page 5

Schedule at a Glance

THURSDAY 2/22/24

Registration Open // Details on page 5	7:00 A.M. – 6:00 P.M.
Educational Programming.....	8:00 A.M. – 5:00 P.M.
Exhibit Hall Open // Details on page 6	10:30 A.M. – 6:00 P.M.
Exhibit Hall Social Space SPONSORED BY MEDVET // Details on page 7	11:30 A.M. – 1:30 P.M.

FRIDAY 2/23/24

Registration Open	7:00 A.M. – 6:00 P.M.
OVMA Member Business Meeting // Details on page 8	7:00 – 7:50 A.M.
Educational Programming.....	8:00 A.M. – 5:00 P.M.
Exhibit Hall Open	10:30 A.M. – 7:00 P.M.
Rabies Titer Testing // Details on page 8.....	10:30 A.M. – 4:00 P.M.
Exhibit Hall Social Space SPONSORED BY MEDVET	11:30 A.M. – 1:30 P.M.
Connection Corner Networking Lunch SPONSORED BY STANTON FOUNDATION // Details on page 8.....	11:45 A.M. – 1:15 P.M.
NEW! Canine Spectrum of Care Coffee & Conversation SPONSORED BY STANTON FOUNDATION // Details on page 8	3:45 – 5:00 P.M.
NEW! Happy Hour in the Exhibit Hall // Details on page 7	5:00 – 7:00 P.M.
Shelter Animal Reception SPONSORED BY MERCK ANIMAL HEALTH // Details on page 8.....	5:30 – 6:30 P.M.
Columbus Blue Jackets vs. Buffalo Sabres FUNDRAISER TO BENEFIT OAHF // Details on page 8	7:00 – 10:00 P.M.

SATURDAY 2/24/24

Registration Open	7:00 A.M. – 5:00 P.M.
NEW! Technician Appreciation Breakfast & Panel Discussion SPONSORED BY DECHRA // Details on page 8	7:30 – 9:00 A.M.
Educational Programming.....	8:00 A.M. – 5:00 P.M.
Exhibit Hall Open	10:30 A.M. – 1:30 P.M.

2/9/24 Last day to volunteer as a Session Moderator and be entered in CBJ ticket raffle

Details at www.mvcinfo.org/volunteer

2/21/24 On-Site Registration and attendee item pickup open

5:00–6:30 P.M. ET

2/22/24 to 2/24/24 *Midwest Veterinary Conference 2024*

Greater Columbus Convention Center
400 N. High St., Columbus OH 43215

2/26/24 **MVC Virtual opens.**
(TIME TBA) Details on page 4

3/1/24 Refund request deadline; no refunds issued after this date.
12:00 P.M. ET Details on page 5

8/26/24 MVC Virtual closes.
Details on page 4

The Virtual MVC is the all-online, on-demand portion of the conference that allows you to earn CE at your own pace, from the comfort of your home—or anywhere you have an internet connection!

NEED-TO-KNOW DETAILS

- Please note, not all sessions offered at the in-person MVC will be available at the Virtual MVC. About one-third of the sessions will be recorded (see list below).
- To ensure high-quality video/audio, virtual sessions are NOT presented live. They will be available for viewing beginning Feb. 26.

CE CREDITS

- The amount of CE you may earn by participating in the Virtual MVC varies by state.
- In Ohio, veterinarians may claim up to 15 hours* of online CE, and technicians may claim up to 6. This can be either live streamed or viewed on demand.
- Do not share your login information with anyone else, as the sessions they watch will alter your CE record.

REGISTRATION

- You can register for the VMVC alone or add it to your in-person registration by selecting your preferred hybrid registration option.
- There is no need to register for all the sessions you plan to watch.
- The VMVC website will track which sessions you watch and automatically add them to your CE certificate.

VIRTUAL SESSION OFFERINGS

Note: These offerings may change prior to the Conference due to unforeseen circumstances. Updates will be posted at www.mvcinfo.org/virtual.

- | | |
|---|---|
| • Animal Behavior Sessions 106-111 and 506-511 | • Pet Animal Ophthalmology Sessions 142-147 |
| • Equine. Sessions 321-326 | • Practice Management. Sessions 363-368 and 554-559 |
| • Food Animal. Sessions 327-332 | • Public Health Sessions 566-571 |
| • Holistic & Integrative Medicine Sessions 524-529 | • Shelter Animal Sessions 178-183 and 572-577 |
| • Pet Animal Anesthesia & Pain Management. Sessions 339-344 | • Small Ruminants Sessions 393-398 |
| • Pet Animal Critical Care & Emergency. Sessions 536-541 | • Staff Development. Sessions 399-404 |
| • Pet Animal Feline. Sessions 548-553 | • Technician Sessions 184-189 and 411-416 |
| • Pet Animal General Surgery Sessions 357-362 | • Wellbeing Sessions 196-201 |
| • Pet Animal Neurology. Sessions 136-141 | |

**Rule change from 15 to 18 hours pending at press time. See website for details.*

New for You! The Zoetis Petcare Network

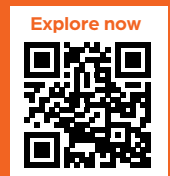
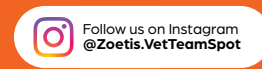
An innovative online resource for you and your practice, offering:

- The latest product information
- Free continuing education
- Downloadable practice tools and client handouts
- Bite-sized multimedia blogs, videos, podcasts, and articles
- Wellness and practice health tips
- Sweepstakes and more!

Talk to your Zoetis representative at our booth and enter for a chance to win fun prizes.



Follow @Zoetis.VetTeamSpot on Instagram for more tips, vet team humor, and peer connection plus giveaways and more!



ZoetisPetcareNetwork.com

ONLINE REGISTRATION RATES*

	IN-PERSON MVC Feb. 22 – 24, 2024 • Columbus, Ohio						HYBRID In Person + Virtual Add to in- person fee:	VIRTUAL ONLY Opens Feb. 26, 2024
	One Day		Two Days		All Three Days			
	Advance thru 1/22/24	Regular after 1/22/24	Advance thru 1/22/24	Regular after 1/22/24	Advance thru 1/22/24	Regular after 1/22/24		
VETERINARIANS								
OVMA Member ¹ or Out of State	\$180	\$205	\$230	\$255	\$280	\$305	+ \$125	\$230
OVMA Life Member ²	\$145	\$165	\$185	\$205	\$225	\$245		\$230
Non-Member in Ohio	\$355	\$380	\$405	\$430	\$455	\$480		\$405
NON-VETERINARIANS								
Technicians, Hospital / Shelter Staff & Others ³	\$115	\$140	\$155	\$180	\$185	\$210	+ \$75	\$155
STUDENTS⁴								
Member ⁵					\$0	\$0	included	
Non-Member					\$35	\$45	included	

1. Includes Active, Recent Graduate, Resident/Intern, and Military members. // 2. OVMA Board approved. // 3. The "Others" category includes all other animal/veterinary care professionals that don't fit in the previous categories, as well as spouses, relatives, and guests age 18+. // 4. Includes access to all three days of live MVC plus Virtual Platform. Must register online to access discounted student pricing. // 5. Member of OVMA (vet students) or SCNAVTA (tech students).

*The fees shown above are for **online self-registration**. If you choose to register by mail or fax, be advised a processing fee will be added for each registrant; amount varies, see website for details and to download a registration form.

REGISTRATION CATEGORIES

In-Person MVC: You can register for one, two, or all three days. Your registration fee includes:

- all live sessions on the day(s) you select
- live Exhibit Hall on the day(s) you select
- option to attend hands-on labs and workshops (for an additional fee)
- flash drive and online Conference proceedings
- MVC mobile app
- hard copy of on-site program

Virtual MVC Only: Choose this option if you do not wish to attend the in-person portion of the conference. Your registration fee includes 6 months of unlimited access to:

- all virtual sessions (see facing page for a list)
- virtual Exhibit Hall
- MVC mobile app
- online Conference proceedings

Hybrid: Register for both the in-person and virtual MVC to gain access to all live and on-demand offerings.

- Note: Hybrid pricing shown in the chart above is in addition to the in-person fees.
- Student registrations include access to full event (in person and online).

EMAIL ADDRESSES

Each registrant must have their own email address to register online, access the mobile app, and to log in to the Virtual Platform.

Email addresses **CANNOT** be shared with other attendees.

Can't remember your email address or want to change it? Contact us at info@mvcinfo.org before registering.

SELECTING SESSIONS

Attendees participating in the live/in-person MVC are **strongly encouraged to register for sessions they plan to attend**. Doing so

- allows OVMA to assign rooms and seating to accommodate all attendees.
- ensures you have a record of your sessions should you need proof for license renewal.
- automatically adds sessions to your schedule and your CE record/certificate.

If needed, you can modify your session selections by logging in to the MVC registration system at www.mvcinfo.org/login.

You may also modify your schedule in the mobile app (available in February) **up until the session's end date/time**.

HANDS ON-LABS & WORKSHOPS

Due to limited capacities, advance registration is **required** for wet labs and workshops.

If a program is full, you will have the option to join a waitlist during online registration. An email will be sent to you if a spot opens up; you have 24 hours to claim it before the next person in line is notified.

CONFIRMATION & BADGES

All in-person attendees (except students) who register by Jan. 22, 2024 will receive a

confirmation packet containing their badge via postal mail.

Students and anyone registering after this date may pick up their badge on site at the self-serve badge printing station.

Confirmation packets will be mailed beginning Feb. 5, 2024.

CANCELLATION & REFUND POLICY

OVMA will refund your registration fee(s), less a 10% administrative fee, if you are unable to participate for any reason. Submit a written request to info@mvcinfo.org by 12 p.m. ET on March 1, 2024.

Refunds will **NOT** be given in the following circumstances:

- **Virtual MVC:** If the registrant has logged in to the virtual MVC platform
- **In-Person MVC:** If the registrant checked in and/or printed a badge on site at the MVC

Refunds will be granted for hands-on labs and workshops, less 10% of fees paid, if the participant's space is filled by another attendee.

Full policy available at www.mvcinfo.org/cancel.

HOW TO REGISTER

Visit www.mvcinfo.org/register to sign up online or download a mail-in registration form.

PLATINUM SPONSORS



- Attendee Materials Packets
- Attendee Notepads



KENNETH A. SCOTT
CHARITABLE TRUST



Education Sponsor: Shelter Animal

STANTON FOUNDATION

- Connection Corner: Student/DVM Networking Lunch
- Education Sponsor: Canine Spectrum of Care
- Canine Spectrum of Care Coffee & Conversations

EXHIBITORS

911PetChip™

Ackerman Group

ActionCoach Columbus

AcuroVet

Advantage Equipment, Inc.

AlV, Inc.

AKC Reunite

American Regent Animal Health

Andersen Sterilizers

Angels for Animals

AnimalBiome

Antech, Sound Imaging

Aurora Pharmaceutical

Avalon Medical

Aventix

AVMA PAC

AVMA Trust

Banfield Pet Hospital

Bank of America Practice Solutions

Bionote

Blue Natural Veterinary Diets

BluePearl

Blue River PetCare

Boehringer Ingelheim

Buckeye X-ray

Care Center

CareCredit / Pets Best

Cattledog Publishing

Central Ohio Compounding Pharmacy

Central Ohio Veterinary Emergency (COVE)

Centura Imaging

Ceva Animal Health, LLC

Chi University

Christian Iconic X-ray

Community Veterinary Partners

Covetrus

Cresilon-VETIGEL

CUBEX LLC

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Dechra Veterinary Products

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Elanco US Inc.

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Encore Vet Group

Epicur Pharma – Bronze Sponsor

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ezyVet – Bronze Sponsor

Faithful Companion

ForeverLawn of Ohio

GerVetUSA Inc

Hill's Pet Nutrition, Inc.

IDEXX – Silver Sponsor

Jorgensen Laboratories

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America Inc.

Lighthouse Veterinary Personnel Services

Lincoln Memorial University Richard A. Gillespie College of Veterinary Medicine

Luminos Pro

MAI Animal Health

MD Architects

Medical Pet Shirts International

Medi Loupes

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Metropolitan Veterinary Academy

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Michigan State University Veterinary Diagnostic Laboratory

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Midwest Veterinary Supply

MiraVista Veterinary Diagnostics

Mission Veterinary Partners

Mixlab

Multi Radiance

MWI Animal Health

National Band and Tag

Nexderma

Noah's Animal Hospital / Veterinary Specialty & Emergency Care (VSEC)

Noah's Ark Animal Clinics

GOLD



- Technician Appreciation Breakfast & Panel
- Education Sponsor: Pet Animal



- Mobile App
- Shelter Animal Reception

SILVER



Education Sponsor:
Technician II – Cytology



- Exhibit Hall Social Space
- Mothers' Room

BRONZE



Attendee Pens



Badge Lanyards



Equipment for Dental Labs



Education Sponsor



Education Sponsor:
Friday Practice Management II

Nutramax Laboratories Veterinary Sciences, Inc.

NVA

O'Brien Veterinary Group

Optimum Vet Solutions

Patterson Veterinary Supply

Penn Veterinary Supply

Pet Cremation Services

PetVet365

Pocket Prep

PRN Pharmacal

Purina® Pro Plan® Veterinary Diets
Platinum Sponsor

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Royal Cain

Safe n Simple

Samsung / Choice Medical Systems

Schultz Technology

Sedecal USA, Inc.

ServiceNet Medical X-Ray, LLC

Simmons Great Lakes

Snyder Manufacturing Co.

Specialty Veterinary Pharmacy

Standard Process

Suburban Surgical Co., Inc.

Summus Medical Laser

TC Architects, Inc.

Total Practice Solutions Group

TriviumVet

Trusted Journey

Tuttner USA Co., Ltd.

Universal Imaging, Inc.

VCA

Vercom Systems Inc.

VESPECON

VetCheck

Veterinary Apparel Company

Veterinary Dentistry and Oral Surgery of Ohio

Veterinary Emergency Group

Veterinary United

Vetoquinol USA

VetScapel

Vet's Choice Radiology

Virbac Corporation

Voyager Dog Food

Wag'n Tails Mobile Conversions LLC

Water Bear Marketing

Weave

Wedgewood Pharmacy

Young Living

Zoetis

For more information on these exhibitors and to browse an up-to-date list, please visit www.mvcinfo.org/exhibits.

EVENTS & ACTIVITIES

EXHIBIT HALL HOURS

- Thursday, 10:30 a.m. – 6 p.m.
- Friday, 10:30 a.m. – 7 p.m.
- Saturday, 10:30 a.m. – 1:30 p.m.

NEW! MOBILE APP GAME

Complete challenges in the app to earn points for your chance to win a digital gift card! Be sure to visit all participating exhibitor booths to earn extra points. See www.mvcinfo.org/app for more info.

EXHIBIT HALL SOCIAL SPACE

Sponsored by MedVet

- Thursday, 11:30 a.m. – 1:30 p.m.
- Friday, 11:30 a.m. – 1:30 p.m.

NEW! HAPPY HOUR IN THE EXHIBIT HALL

- Friday, 5 – 7 p.m.

It's after hours, but no emergencies here! Unwind and expand your professional network at the first-ever Exhibit Hall Happy Hour. Participating exhibitors will be passing out complimentary drink tickets during hall hours on Thursday and Friday, so be sure to explore during your down time!

FRIDAY, 7:00 – 7:50 A.M.

OVMA MEMBER BUSINESS MEETING

- **Who:** OVMA Members
- **RSVP:** None required

At the annual business meeting, OVMA members are invited to enjoy a complimentary breakfast, hear important Association updates from officers and staff, and witness the passing of the presidential gavel.

FRIDAY, 10:30 A.M. – 4:00 P.M.

RABIES TITER TESTING

- **RSVP:** No appointment needed
- **Cost:** Not available at press time; please refer to website

The CDC recommends veterinary professionals get either: (a) a one-time titer check one year after receiving the rabies vaccine series *and* up to three years following the first 2-dose vaccination OR (b) a one-dose booster between three weeks and three years following the first vaccine in the 2-dose vaccination.

FRIDAY, 11:45 A.M. – 1:15 P.M.

CONNECTION CORNER: STUDENT/DVM NETWORKING LUNCH

- **Who:** Veterinary and Pre-Veterinary Students and OVMA Veterinarian Members
- **RSVP:** Advance registration required

Veterinary and pre-vet students are invited to lunch and an hour of networking with practicing veterinarians. You'll be able to ask questions about your future career, strengthen your networking skills, and maybe even find a summer externship! Learn more about the event and how to participate at www.mvcinfo.org/events.


Event sponsored by 

FRIDAY, 3:45 – 5:00 P.M.

CANINE SPECTRUM OF CARE COFFEE AND CONVERSATION **NEW!**

- **Who:** All attendees
- **RSVP:** None required; first come, first served

MVC and The Stanton Foundation invite all attendees to a meet and greet with track speakers prior to the final session of the day. Enjoy light refreshments as you listen to panelists discuss practical applications of spectrum of care in various settings. See Session 320 for the complete panel description.

Event sponsored by 

FRIDAY, 5:00 – 7:00 P.M.

HAPPY HOUR IN THE EXHIBIT HALL **NEW!**

- **Who:** All attendees
- **RSVP:** None required


It's after hours, but no emergencies here! Unwind and expand your professional network at the first-ever Exhibit Hall Happy Hour. Please see page 7 or www.mvcinfo.org/events for more details.

FRIDAY, 5:30 – 6:30 P.M.

SHELTER ANIMAL RECEPTION

- **Who:** Shelter professionals
- **RSVP:** None required

Decompress after a long day at this informal gathering of directors, veterinarians, humane agents, dog wardens, and other shelter professionals.

Event sponsored by 

FRIDAY, 7:00 – 10:00 P.M.

COLUMBUS BLUE JACKETS FUNDRAISER FOR THE OHIO ANIMAL HEALTH FOUNDATION

- **Where:** Nationwide Arena
- **Who:** All attendees
- **RSVP:** Purchase tickets online in advance

Join the Ohio Animal Health Foundation on Feb. 23 as the Blue Jackets take on the Buffalo Sabres. The team will donate up to \$20 per ticket to Ohio Animal Health Foundation to help continue their mission of ensuring a brighter future for animals. Visit www.mvcinfo.org/events for more details and to purchase tickets.

SATURDAY, 7:30 – 9:00 A.M.

TECHNICIAN APPRECIATION BREAKFAST & PANEL DISCUSSION **NEW!**

- **Who:** Veterinary Technicians
- **RSVP:** None required; first come, first served

MVC and Dechra would like to recognize veterinary technicians and the invaluable contributions they make to the profession! Join us for breakfast and networking on Saturday morning. Afterward, continue the conversation by attending the "Tech Savvy: Chart the Course for Your Career" panel discussion (Session 593) to explore career paths and opportunities and get advice from technicians working in a variety of settings, from general practice to research laboratories.

Event sponsored by 

Tracks highlighted in yellow will be recorded and made available for MVC Virtual.

ANIMAL BEHAVIOR I	ANIMAL BEHAVIOR II	EQUINE	FOOD ANIMAL	HOLISTIC & INTEGRATIVE MED.	PET ANIMAL DENTISTRY
8:00 – 9:00 A.M.					
100 Feline Separation Anxiety: How to Diagnose and Treat <i>Sung</i>	106 Everything You Ever Wanted to Know About Raising a Marvelous Puppy <i>Luedecke</i>	112 Equine Gastric Ulcer Syndrome: Diagnosis, Treatment, and Prevention <i>Timko</i>	118 Solutions Beyond Commercial Vaccines <i>Guggenbiller</i>	124 An Integrated Approach to Pain Management, Part I: What is Pain? <i>Dawson</i>	130 Indications for Extractions <i>Berning</i>
9:15 – 10:15 A.M.					
101 Feline Elimination Behavior Disorders <i>Sung</i>	107 The Nuances of Canine Body Language: The Devil is in The Details <i>Luedecke</i>	113 Clinical Approach to Common Disorders of the Foal <i>Timko</i>	119 The Veterinarian's Role in National Dairy FARM Animal Care Program Implementation <i>Speaker TBA</i>	125 An Integrated Approach to Pain Management, Part II: Patient Assessment <i>Dawson</i>	131 Extraction Techniques <i>Berning</i>
10:30 – 1:30 A.M.					
102 Behavioral Needs of Senior Pets <i>Sung</i>	108 Shop or Adopt? Navigating the Dog Selection Process <i>Luedecke</i>	114 Endocrine Disease, Part I: Updates and Controversies in Diagnostic Testing <i>Burns</i>	120 Golden Practices for Weaning More and Healthier Piglets <i>Resende</i>	126 An Integrated Approach to Pain Management, Part III: Monitoring Outcomes <i>Dawson</i>	132 Understanding Malocclusions: Classification and Treatment Strategies <i>Berning</i>
LUNCH & EXHIBIT HALL BREAK 11:30 A.M. – 1:30 P.M.					
1:30 – 2:30 P.M.					
103 Common Behavior Problems Presented to Veterinary Behavior Specialists <i>Sung</i>	109 Bippity Boppity Boo: The Magic of Behavioral Management <i>Lees</i>	115 Endocrine Disease, Part II: Therapy and Clinical Case Management <i>Burns</i>	121 Basic Field Necropsy Techniques and Sample Collection <i>Ruby</i>	127 Symmetry: The Cheap Diagnostic Tool <i>Ormston</i>	133 Oral Tumors in Dogs and Cats: Prognosis and Surgical Considerations <i>Berning</i>
2:45 – 3:45 P.M.					
104 Red Flag Behaviors in Puppies and Kittens: They Are NOT Going to Grow Out of It <i>Sung</i>	110 To the Lobby, STAT: Using Behavioral Medicine in Emergency and Critical Care <i>Lees</i>	116 Saddle Up for Stewardship: Bridging Care and Antimicrobial Guidelines <i>Mathys & Wittum</i>	122 Necropsy Examination for Respiratory Cases: What Goes Where? <i>Ruby</i>	128 The Power of the Adjustment: Improving the Clinic Attitude <i>Ormston</i>	134 Dental Radiograph Interpretation, Part I: Oral Pathology <i>Berning</i>
4:00 – 5:00 P.M.					
105 Canine Aggression Disorders: Making a Diagnosis, Prognosis, and Treatment Plan <i>Sung</i>	111 Behavior Quick Tips for General Practice: Why Your Training Recommendations Matter <i>Lees</i>	117 Battling the Invisible: Multidrug-Resistant Bacteria in Equine Medicine <i>Burns, Diaz-Campos, & Horne</i>	123 Bovine Necropsy Cases: From Classic to Crazy <i>Ruby</i>	129 Gravity: The Overlooked Health Inhibitor <i>Ormston</i>	135 Dental Radiograph Interpretation, Part II: Tooth Resorption <i>Berning</i>
EXHIBIT HALL HOUR 5:00 – 6:00 P.M.					

Session Grid THURSDAY 2/22/24

Tracks highlighted in yellow will be recorded and made available for MVC Virtual.

PET ANIMAL NEUROLOGY	PET ANIMAL OPHTHALMOLOGY	PET ANIMAL RADIOLOGY	PRACTICE MANAGEMENT I	PRACTICE MANAGEMENT II	PUBLIC HEALTH
8:00 – 9:00 A.M.					
136 Shake, Rattle, and Roll: Getting the Most of Your Neurologic Examination <i>Hague</i>	142 Adnexal Disease Therapy: Are Eyelids Anything Like Normal Skin? <i>Hamor</i>	148 Getting Started with Ultrasound: What You Need to Know <i>Seitz</i>	154 Your Marketing Car: An Explanation of How Marketing Works Today <i>Baltzell</i>	160 Licensing Board Case Review & Rule Updates <i>Kolb</i>	166A. Animal Cruelty Laws Across the U.S. <i>Behmer Porter</i> 166B. The Ohio Rabies Resource for Veterinarians <i>McEnhill</i>
9:15 – 10:15 A.M.					
137 Shake It Off: Practical Approach to Neurolocalization <i>Hague</i>	143 The Retina: A Window to the Inside <i>Hamor</i>	149 Cats are Not Dogs When it Comes to Abdominal Ultrasound <i>Seitz</i>	155 Five Marketing Strategies Your Business Should Use in 2024 <i>Baltzell</i>	161 Veterinary Pharmacy Regulations in Ohio <i>Speaker TBA</i>	167 Animal Models and Their Role in Human and Animal Health <i>Meeker</i>
10:30 – 1:30 A.M.					
138 Under Pressure: How to Handle Seizure Emergencies <i>Hague</i>	144 Orbital Disease: Is it Inflammation or a Tumor? <i>Hamor</i>	150 Feline Hepatobiliary Ultrasound <i>Seitz</i>	156 The Narrative Matters: Discover and Create Yours <i>Baltzell</i>	162 Infectious Waste Guidelines for Ohio Veterinary Practices <i>Speaker TBA</i>	168 From Bench to Bedside: Getting New Drugs and Vaccines to Your Clinic <i>Youngblood</i>
11:30 A.M. – 1:30 P.M. LUNCH & EXHIBIT HALL BREAK					
1:30 – 2:30 P.M.					
139 Who You Gonna Call? Epilepsy Case Review <i>Hague</i>	145 Ocular Emergencies: What Can I Do? <i>Hamor</i>	151 Feline Gastrointestinal Ultrasound <i>Seitz</i>	157 Your End-of-Life Narrative <i>Baltzell</i>	163 Medical Record Keeping: Will Your Documentation Defend You? <i>Frey</i>	169 The Cat's Out of the Bag: Sporotrichosis Outbreak Linked to a Veterinary Clinic <i>Margrey</i>
2:45 – 3:45 P.M.					
140 Confusion is Nothing New: Peripheral Nervous System Diseases <i>Hague</i>	146 Feline Ophthalmology: What's So Special About Cat Eyes? <i>Hamor</i>	152 Feline Urinary Tract Ultrasound <i>Seitz</i>	158 Bad Reviews? Time To Manage Client Communications "Upstream" <i>Baltzell</i>	164 Protecting Your Veterinary License <i>Frey</i>	170 Global Public Health: What's Vet Med Got to Do With it? Part I <i>Berrian</i>
4:00 – 5:00 P.M.					
141 Burn, Baby, Burn: Meningo-encephalitis of Unknown Etiology <i>Hague</i>	147 Eye Challenge You: Clinical Cases in Veterinary Ophthalmology <i>Hamor</i>	153 The Many Imaging Manifestations of Feline Lymphoma <i>Seitz</i>	159 Starting a Practice? Your Marketing Needs a Timeline <i>Baltzell</i>	165 Communication Challenges in Clinical Practice <i>Frey</i>	171 Global Public Health: What's Vet Med Got to Do With it? Part II <i>Berrian</i>
5:00 – 6:00 P.M. EXHIBIT HALL HOUR					

Tracks highlighted in yellow will be recorded and made available for MVC Virtual.

SHELTER ANIMAL I	SHELTER ANIMAL II	TECHNICIAN I ANESTHESIA & ANALGESIA	TECHNICIAN II DENTISTRY	WELLBEING	WORKSHOPS & HANDS-ON LABS
8:00 – 9:00 A.M.					
172 Legal Issues, Part I: When Animal Ownership Changes <i>Holland</i>	178 Positive Outcomes for Positive Cats, Part I: Feline Leukemia <i>Bardzinski</i>	184 Using Constant Rate Infusions for Anesthesia and Analgesia <i>Lafferty</i>	190 Count Those Teeth: Oral Anatomy and Terminology <i>Bates</i>	196 Conquering Incivility <i>Richmond</i>	
9:15 – 10:15 A.M.					
173 Legal Issues, Part II: Livestock Cruelty Investigations <i>Holland</i>	179 Positive Outcomes for Positive Cats, Part II: FIV <i>Bardzinski</i>	185 Tubes and Holes: How to Become a Master Intubator <i>Lafferty</i>	191 Do You Smell That? Understanding Periodontal Disease <i>Bates</i>	197 Avoiding Mental Traps: Don't Believe Everything You Think! <i>Richmond</i>	
10:30 – 11:30 A.M.					
174 Legal Issues, Part III: Hot Topics in Animal Cruelty Law <i>Holland</i>	180 Positive Outcomes for Positive Cats, Part III: FIP <i>Bardzinski</i>	186 A Face Only a Mother Could Love: Anesthesia for Brachycephalic Breeds <i>Lafferty</i>	192 The Dental Procedure: Fundamentals of the Dental Prophylaxis <i>Bates</i>	198 Capitalizing on Character Strengths in Veterinary Medicine <i>Richmond</i>	
LUNCH & EXHIBIT HALL BREAK 11:30 A.M. – 1:30 P.M.					
1:30 – 2:30 P.M.					
175 Crime Scene Photography for Abuse and Neglect Investigations, Part I <i>Meadows</i>	181 Risky Business: Meeting the Social Needs of Puppies in Shelter Environments <i>Herron</i>	187 Take a Deep Breath: The Relationship Between Capnography and Pulse Oximetry <i>Lafferty</i>	193 X's and O's: Dental and Oral Abnormalities <i>Bates</i>	199 Successful Teams Seek Psychological Safety <i>Richmond</i>	A1 12:30–2:30 p.m. Resistant Realities: Antimicrobial Strategy and Stewardship in Patient Cases <i>Diaz-Campos, Horne, King, & Mathys</i>
2:45 – 3:45 P.M.					
176 Crime Scene Photography for Abuse and Neglect Investigations, Part II <i>Meadows</i>	182 Surviving Adolescence: Helping Adolescent Dogs Thrive <i>Herron</i>	188 Nuts and Bolts: Understanding and Using Your Anesthesia Machine <i>Lafferty</i>	194 Introduction to Dental Radiography Positioning and Techniques <i>Bates</i>	200 Me, We, and Us: The Foundation of Workplace Wellbeing <i>Richmond</i>	
4:00 – 5:00 P.M.					
177 Crime Scene Fundamentals: Processing and Storing Evidence <i>Meadows</i>	183 Isolation Distress: Improving Welfare for Dogs in Quarantine Housing <i>Herron</i>	189 Analgesia Beyond Opioids <i>Lafferty</i>	195 The Role of the Technician in Veterinary Dentistry: What Should You Know? <i>Bates</i>	201 Slaying the Stigma: Alcohol and Substance Use Disorder in Veterinary Professionals <i>Richmond</i>	
EXHIBIT HALL HOUR 5:00 – 6:00 P.M.					

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Session Grid **FRIDAY** 2/23/24

Tracks highlighted in yellow will be recorded and made available for MVC Virtual.

ANIMAL BEHAVIOR I	ANIMAL BEHAVIOR II	AQUACULTURE	CANINE SPECTRUM OF CARE	EQUINE	FOOD ANIMAL	
8:00 – 9:00 A.M.						
300 Betcha Didn't Think of That! Creative and Innovative Enrichment Options for Dogs <i>Czarnomski</i>	306 Incorporating Behavior into Kitten Appointments <i>Pachel</i>	312 Fish Medicine, Part I: An Introduction <i>Hickey</i>	315 Canine Spectrum of Care Introduction and Overview <i>Budsberg</i>	321 The Most Emergent Emergency: A Systematic Approach to Equine Dystocia <i>Dern</i>	327 Managing Bovine Lameness in the Field <i>Hinds</i>	
9:15 – 10:15 A.M.						
301 Living and Learning with Animals, Part I: The Significance of Science <i>Friedman</i>	307 Translation Required: Applying the Medical Model to Behavior Cases <i>Pachel</i>	313 Fish Medicine, Part II: Diagnostic Techniques and Tests <i>Hickey</i>	316 Veterinary Regulator Perspectives on Spectrum of Care <i>Venit</i>	322 Dynamic Endoscopy in the Sporthorse <i>Dern</i>	328 On the Farm Bovine Ophthalmology <i>Hinds</i>	
10:30 – 1:30 A.M.						
302 Living and Learning with Animals, Part II: The ABCs Decomposed <i>Friedman</i>	308 They Said What? Reading Between the Lines of Client-Submitted History Forms <i>Pachel</i>	314 Fish Medicine, Part III: Health Inspections and Certification Testing <i>Hickey</i>	317 Therapeutic Power of Poop: How Fecal Transplant Can Expand Spectrum of Care <i>Winston</i>	323 Laparoscopy in the Horse: When and Why Are We Using It? <i>Dern</i>	329 Practical Fluid Therapy in Cattle <i>Hinds</i>	
11:30 A.M. – 1:30 P.M. LUNCH & EXHIBIT HALL BREAK						
1:30 – 2:30 P.M.						
303 Living and Learning with Animals, Part III: Maximizing Reinforcement <i>Friedman</i>	309 Pitfalls in Canine Socialization <i>Pachel</i>	B3 1:30–4:30 p.m. Aquaculture, Fish Necropsies, and Certification Sampling (Wet Lab) <i>Hickey & Kebus</i>	318 Spectrum of Care Approaches to Dental Care with a Focus on Quality of Life <i>McCobb</i>	324 Colic Case Studies: Lessons from the Field <i>Yardley</i>	330 Using Data to Inform Infectious Disease Control <i>Picasso</i>	
2:45 – 3:45 P.M.						
304 Living and Learning with Animals, Part IV: Reducing Problem Behavior <i>Friedman</i>	310 Canine Teenagers <i>Pachel</i>		319 Spectrum of Care in Emergencies <i>Rozanski</i>	325 Navigating Medical Challenges in the Field <i>Yardley</i>	331 Foreign Animal Diseases: Getting Your Clients Ready <i>Arruda</i>	
4:00 – 5:00 P.M.						
305 Living and Learning with Animals, Part V: The Ethics of Behavior Change <i>Friedman</i>	311 Prescribing for Behavior: How Do You Decide? <i>Pachel</i>	320 Canine Spectrum of Care: Practical Application Panel Discussion <i>Budsberg</i>	326 Moonlit Medicine: Lacerations, Fractures, and Critical Decisions <i>Yardley</i>	332 Become a Mixed Animal Vet! Adding Poultry to Your Companion Animal Practice <i>McDermott</i>		
5:00 – 7:00 P.M. HAPPY HOUR IN THE EXHIBIT HALL						

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HOLISTIC & INTEGRATIVE MED.	PET ANIMAL ANESTHESIA/PAIN MGMT	PET ANIMAL DERMATOLOGY	PET ANIMAL EXOTICS	PET ANIMAL GENERAL SURGERY	PRACTICE MANAGEMENT I
8:00 – 9:00 A.M.					
333 Acupuncture: How Does It Work? <i>Dawson</i>	339 The Opioid Crisis, Part I: Impact on Veterinary Medicine <i>Quandt</i>	345 Canine Atopic Dermatitis: A Multimodal Approach <i>Diaz Vergara</i>	351 Ball Python Primer <i>Lennox</i>	357 Surgical Decision-Making for Common Tumors: MCT and STS <i>Mauterer</i>	363 Labor Costs and Efficiency in Your Practice <i>Marconyak</i>
9:15 – 10:15 A.M.					
334 Plant-Based Medicine: Herbal Treatments for the Pain Patient <i>Dawson</i>	340 The Opioid Crisis, Part II: Alternative Analgesic Agents <i>Quandt</i>	346 Treatment of Autoimmune Dermatoses <i>Diaz Vergara</i>	352 Neoplasia in Reptiles: Increasing in Pet Practice <i>Lennox</i>	358 Oral and Pharyngeal Conditions <i>Mauterer</i>	364 Equipment as a Revenue Stream <i>Marconyak</i>
10:30 – 11:30 A.M.					
335 The Science Behind Holistic Medicine <i>Dawson</i>	341 Breed-Specific Anesthesia <i>Quandt</i>	347 Chronic Otitis: Diagnosis and Management <i>Diaz Vergara</i>	353 Palliative Care and Humane Euthanasia for Reptiles and Amphibians <i>Lennox</i>	359 Anal and Perianal Surgical Procedures <i>Mauterer</i>	365 The Basics of Strategic Pricing <i>Marconyak</i>
LUNCH & EXHIBIT HALL BREAK 11:30 A.M. – 1:30 P.M.					
1:30 – 2:30 P.M.					
336 Time and Chiropractic Care: How Long Will the Adjustment Last? <i>Ormston</i>	342 Anesthesia for C-Sections <i>Quandt</i>	348 Topical Therapy for Skin Diseases <i>Diaz Vergara</i>	354 Improving Skills for Reptile and Amphibian Surgery <i>Lennox</i>	360 Joint Effusions and Arthropathies <i>Mauterer</i>	366 Graduating from the Inventory Model and the Magic 8 Ball of Pricing <i>Marconyak</i>
2:45 – 3:45 P.M.					
337 Are You Telling Your Clients about Chiropractic? <i>Ormston</i>	343 Anesthesia Update: What's New? <i>Quandt</i>	349 <i>Malassezia</i> Dermatitis: Diagnosis and Treatment <i>Diaz Vergara</i>	355 Exotic Companion Mammal Anesthesia and Analgesia <i>Lennox</i>	361 Diagnosing that Vague Forelimb Lameness <i>Mauterer</i>	367 The True Costs of Veterinary Services: A Surgical Approach <i>Marconyak</i>
4:00 – 5:00 P.M.					
338 Why We Do The Things We Do or Why I Don't Know What I Don't Know <i>Ormston</i>	344 Anesthesia for the Brachycephalic Patient <i>Quandt</i>	350 Management of Feline Atopic Skin Syndrome <i>Diaz Vergara</i>	356 Managing Gastrointestinal Disease in Rabbits <i>Lennox</i>	362 Radiographic Interpretation of Bone Lesions: A Surgeon's Perspective <i>Mauterer</i>	368 Getting Staff and Client Buy In on Pricing Strategies <i>Marconyak</i>
HAPPY HOUR IN THE EXHIBIT HALL 5:00 – 7:00 P.M.					

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PRACTICE MANAGEMENT II	PUBLIC HEALTH	SHELTER ANIMAL I	SHELTER ANIMAL II	SMALL RUMINANTS
8:00 – 9:00 A.M.				
369 Leading with Emotional Intelligence <i>Harcha</i>	375A. United States Department of Agriculture Updates – <i>Davis</i> 375B. Ohio Department of Agriculture Updates <i>Summers</i>	381 Striving to be an Employer of Choice in Nonprofit Veterinary Medicine <i>Buckman & McKay</i>	387 More Than Cats and Dogs: What Happens if a Chicken Comes in to the Shelter? <i>McDermott</i>	393 Reproductive Research Summary <i>Kieffer</i>
9:15 – 10:15 A.M.				
370 Becoming a Resonant Veterinary Leader <i>Harcha</i>	376A. Ohio Department of Health Updates – <i>Margrey</i> 376B. Columbus Public Health Updates – <i>Messer</i>	382 Urgent Care Community Medicine, Part I <i>Buckman & McKay</i>	388 Urban Livestock for Shelters: From the Suburban Pasture to the Curb, Part I <i>Wilhelm</i>	394 Dystocia and Cesarean Section in the Small Ruminant <i>B. Jordan</i>
10:30 – 11:30 A.M.				
371 The Power of Questions for Leaders <i>Harcha</i>	377A. Food Safety News, Part I: ODA Meat Inspection – <i>R. Jordan</i> 377B. Food Safety News, Part II: USDA FSIS <i>Sidrak</i>	383 Urgent Care Community Medicine, Part II <i>Buckman & McKay</i>	389 Urban Livestock for Shelters: From the Suburban Pasture to the Curb, Part II <i>Wilhelm</i>	395 Integrated Parasite Management: On-Farm Producer Tools <i>Campbell</i>
11:30 A.M. – 1:30 P.M. LUNCH & EXHIBIT HALL BREAK				
1:30 – 2:30 P.M.				
372 Giving and Receiving Effective Feedback <i>Harcha</i>	378 Veterinarians in Government Open Forum <i>Davis, R. Jordan, Margrey, Messer, & Summers</i>	384 Building the Foundation of a Community Medicine Practice <i>Buckman & McKay</i>	390 Don't Fear the Bun: Low-Stress Care for Rabbits in Shelters <i>Borders</i>	396 Parasitism Refresh: Things May Have Changed Since Vet School, Part I <i>Pesato</i>
2:45 – 3:45 P.M.				
373 Moving from Destructive Conflict to Productive Conflict <i>Harcha</i>	379 Hooks are Everywhere.. Don't Go Barefoot at the Beach! <i>Marsh</i>	385 Teaching and Practicing Community Medicine <i>Buckman & McKay</i>	391 Common Diseases and Treatment of Urban Farm Animals <i>Wilhelm</i>	397 Parasitism Refresh: Things May Have Changed Since Vet School, Part II <i>Pesato</i>
4:00 – 5:00 P.M.				
374 Implementing the Five Behaviors of a Cohesive Team <i>Harcha</i>	380 A One Health Approach to the Train Derailment in East Palestine, Ohio <i>Margrey</i>	386 Pop-up Community Vaccine Clinics: High Impact, Low Cost <i>Buckman & McKay</i>	392 Urban Farm Animals: Should They Go to the Farm in the Country? <i>Wilhelm</i>	398 A "Goat-to" Guide: Top Five Small Ruminant Diseases <i>Pesato</i>
5:00 – 7:00 P.M. HAPPY HOUR IN THE EXHIBIT HALL				

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STAFF DEVELOPMENT	TECHNICIAN I	TECHNICIAN II CYTOLOGY	WORKSHOPS & HANDS-ON LABS	WORKSHOPS & HANDS-ON LABS
8:00 – 9:00 A.M.				
399 A Team Approach to Preventive Care <i>Boatright</i>	405 Fur-tified Defenses: Practical Infection Control for Small Animal Clinics <i>King</i>	411 Cytology 101: Tips for Getting Started <i>Baker</i>	B1 8:00 a.m.–12:00 p.m. Dental Radiographic Positioning <i>Bates & Berning</i>	
400 Promoting Wellbeing in the Workplace, Part I <i>Boatright</i>	406 The Technician's Role in Dystocia and Neonatal Care <i>Ward</i>	412 Cytology of Inflammation and Infectious Disease <i>Baker</i>		
401 Promoting Wellbeing in the Workplace, Part II <i>Boatright</i>	407 The Technician's Role in Parasitism and Blood Transfusions <i>Ward</i>	413 Cytology of Neoplasia: When Cells Go Rogue <i>Baker</i>		
LUNCH & EXHIBIT HALL BREAK 11:30 A.M. – 1:30 P.M.				
1:30 – 2:30 P.M.				
402 Mentorship Matters, Part I: Supporting New Veterinarians Using the Whole Team <i>Boatright</i>	408 Canine Rehabilitation, Part I: Educating Clients About Referrals <i>Zimmerman</i>	414 Morphology Matters: When Red Blood Cell Abnormalities Lead to the Diagnosis <i>Baker</i>	B2 12:30–4:30 p.m. Surgical Dental Extractions <i>Bates & Berning</i>	B3 1:30–4:30 p.m. Aquaculture, Fish Necropsies, and Certification Sampling <i>Hickey & Kebus</i>
403 Mentorship Matters, Part II: Top Five Mistakes <i>Boatright</i>	409 Canine Rehabilitation, Part II: ICU and Long-Term Hospitalized Patients <i>Zimmerman</i>	415 Blood Smear Bugs and Their Mimickers <i>Baker</i>		
404 Mentorship Matters, Part III: Essential Skills for Mentors <i>Boatright</i>	410 Canine Rehabilitation, Part III: Plans for Uncommon Conditions <i>Zimmerman</i>	416 Urine Trouble: Common Mistakes and Confusions <i>Baker</i>		
HAPPY HOUR IN THE EXHIBIT HALL 5:00 – 7:00 P.M.				

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Session Grid **SATURDAY** 2/24/24

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ANIMAL BEHAVIOR I	ANIMAL BEHAVIOR II	EQUINE	FOOD ANIMAL	HOLISTIC & INTEGRATIVE MED.
8:00 – 9:00 A.M.				
500 The Other Primary Reinforcer <i>Friedman</i>	506 Top Tips for Stress-Associated Conditions in Cats <i>Pachel</i>	512 Acquiring and Interpreting Diagnostic Radiographs <i>Dutton</i>	518 Managing Diseases of the Ruminoreticulum <i>Hinds</i>	524 Why Fascia? Connections, Communication, and Hands-on Benefits <i>Lee</i>
9:15 – 10:15 A.M.				
501 The Rat is Never Wrong: An Introduction to Error-Reduced Learning <i>Friedman</i>	507 Don't Bite the Hand That Feeds You <i>Pachel</i>	513 Equine Podiatry and Radiography <i>Dutton</i>	519 Common Neurologic Diseases in Ruminants <i>Hinds</i>	525 Myofascial Meridians: A Working System for Fascial Therapy in Dogs <i>Lee</i>
10:30 – 11:30 A.M.				
502 An Empowering Behavior Analysis View <i>Friedman</i>	508 Neurobiology of Canine Reactivity <i>Pachel</i>	514 Lower Limb Soft Tissue Injuries <i>Dutton</i>	520 Common Food Animal Procedures and Surgeries <i>Hinds</i>	526 Shoulder and Scapula: Fascial Therapy for Unusual Lameness <i>Lee</i>
11:30 A.M. – 1:30 P.M. LUNCH & EXHIBIT HALL BREAK				
1:30 – 2:30 P.M.				
503 The Human-Animal Bond: Is it Possible to be Over-Bonded? <i>Dale</i>	509 Chill Out: Incorporating Conditioned Relaxation into Behavioral Therapy <i>Pachel</i>	515 Use of Regional Limb Perfusion in the Distal Limb <i>Dutton</i>	521 Use of Color Doppler Ultrasound in Bovine Reproduction <i>Wellert</i>	527 A Fascial Approach to Intervertebral Disc Disease and Other Spinal Diseases <i>Lee</i>
2:45 – 3:45 P.M.				
504 Do Cats Agree to Anything? How Cat Consent Can Support Veterinary Visits <i>Dale</i>	510 Bringing the Conversation out of the Shadows: Behavioral Euthanasia Considerations <i>Pachel</i>	516 Shoeing Considerations for Soft Tissue Injuries <i>Dutton</i>	522 Advanced Synchronization Protocols in Beef Cattle: Worth the Hassle? <i>Wellert</i>	528 An Epidemic of Canine Cruciate Ligament Disease? Fascial Treatment Options <i>Lee</i>
4:00 – 5:00 P.M.				
505 Cats and Pain: For Me to Know and You Never to Find Out <i>Dale</i>	511 Prescribing for Canine Separation Anxiety <i>Pachel</i>	517 Clinical Overview of Equine Joint Therapy <i>Dutton</i>	523 Molds and Mycotoxins in Dairy Cattle: Effects, Diagnosis, and Control <i>Schuenemann</i>	529 Lumbosacral Hyperextension and Hip Dysplasia Hypothesis for Happier Old Dogs <i>Lee</i>

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PET ANIMAL CARDIOLOGY	PET ANIMAL CRITICAL CARE & EMERGENCY	PET ANIMAL ENDOCRINOLOGY	PET ANIMAL FELINE	PRACTICE MANAGEMENT I
8:00 – 9:00 A.M.				
530 Feline Electrocardiograms: Recognition and Treatment of Common Arrhythmias <i>Rhinehart</i>	536 Shock Physiology: Recognition and Therapy in the Small Animal Patient <i>Yaxley</i>	542 Updates on Hypoadrenocorticism <i>Langlois</i>	548 Nutrition in Feline CKD: Calories, Calcium, and Phosphorus <i>Quimby</i>	554 DEA Compliance, Part I: Why the Concern? <i>Forsythe</i>
9:15 – 10:15 A.M.				
531 Canine Electrocardiograms: Recognition and Treatment of Common Arrhythmias <i>Rhinehart</i>	537 Approach to the Small Animal Respiratory Distress Patient <i>Yaxley</i>	543 Hyperadrenocorticism, Part I: Recognition and Diagnostic Testing <i>Langlois</i>	549 Updates on Feline CKD Management <i>Quimby</i>	555 DEA Compliance, Part II: Drug-Seeking Clients <i>Forsythe</i>
10:30 – 11:30 A.M.				
532 Fainting Dogs and Cats: Causes and Diagnostic Approach <i>Rhinehart</i>	538 Management of the Small Animal Acute Abdomen <i>Yaxley</i>	544 Hyperadrenocorticism, Part II: Management and Monitoring <i>Langlois</i>	550 A New Approach to Managing Anemia in Feline CKD <i>Quimby</i>	556 DEA Compliance, Part III: Regulations and Compliance <i>Forsythe</i>
LUNCH & EXHIBIT HALL BREAK 11:30 A.M. – 1:30 P.M.				
1:30 – 2:30 P.M.				
533 Mitral Valve Disease in Dogs: Update on Diagnosis and Management <i>Rhinehart</i>	539 Decreasing Surgical Morbidity in the Small Animal Emergency Patient <i>Yaxley</i>	545 Feline Adrenal Disease <i>Langlois</i>	551 The Gut-Kidney Axis: Clinical Implications <i>Quimby</i>	557 To Err is Human <i>Forsythe</i>
2:45 – 3:45 P.M.				
534 Cardiomyopathy in Cats: REVEALing Updates <i>Rhinehart</i>	540 Practical Approaches to Diagnosing and Treating Sepsis <i>Yaxley</i>	546 Approach to the Complicated Diabetic <i>Langlois</i>	552 Between a Rock and a Hard Place: Ureteral Obstruction <i>Quimby</i>	558 Compounded Medications, Part I: Balancing Benefits and Risks <i>Forsythe</i>
4:00 – 5:00 P.M.				
535 Dilated Cardiomyopathy in Dogs: Causes, Diagnosis, and Treatment <i>Rhinehart</i>	541 Tales from the Trenches: Case Review <i>Yaxley</i>	547 Case-Based Approach to Hypercalcemia in Dogs <i>Langlois</i>	553 Gabapentin Use in Cats With and Without CKD <i>Quimby</i>	559 Compounded Medications, Part II: Risky Dosage Forms <i>Forsythe</i>

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Session Grid **SATURDAY** 2/24/24

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PRACTICE MANAGEMENT II	PUBLIC HEALTH	SHELTER ANIMAL I	SHELTER ANIMAL II	SMALL RUMINANTS
8:00 – 9:00 A.M.				
560 Why Numbers Matter: The Value of Metrics <i>Meredith</i>	566 OMGiardia: Zoonotic Implications of <i>Giardia</i> in Dogs and Cats <i>Saleh</i>	572 Access to Care: Key Barriers and Hot Topics <i>Jaynes, Marston, & Natrass Atema</i>	578 Effective Care in a Spectrum of Care <i>McCobb</i>	581 Turn the Sirens Off: Setting Up a Herd Health Program, Part I <i>Pesato</i>
9:15 – 10:15 A.M.				
561 Demystifying the Numbers, Part I: Understanding Financial Statements <i>Meredith</i>	567 What Makes You Tick? <i>Saleh</i>	573 Economic Models for Low-Cost Vet Care <i>Jaynes, Marston, & Natrass Atema</i>	579 Reproductive Emergencies in a Shelter or Community Medicine Setting <i>McCobb</i>	582 Turn the Sirens Off: Setting Up a Herd Health Program, Part II <i>Pesato</i>
10:30 – 11:30 A.M.				
562 Demystifying the Numbers, Part II: Sharing Metrics with Staff <i>Meredith</i>	568 <i>Echinococcus</i> : Not Just a Regional Concern <i>Saleh</i>	574 Making Veterinary Medicine More Accessible <i>Jaynes, Marston, & Natrass Atema</i>	580 Pain Management on a Budget <i>McCobb</i>	583 Goats Will Eat Anything, But Should They? Toxic Plants and Small Ruminants <i>Pesato</i>
11:30 A.M. – 1:30 P.M. LUNCH & EXHIBIT HALL BREAK				
1:30 – 2:30 P.M.				
563 What Should You Measure? The Top Five Drivers to Practice Health <i>Meredith</i>	569 Preventing Foodborne Parasitic Infections <i>Saleh</i>	575 Shelter Diversion and Community Support <i>Jaynes, Marston, & Natrass Atema</i>		584 Secure Sheep and Wool Supply: What You Need to Know <i>Gordon</i>
2:45 – 3:45 P.M.				
564 Big Data for Small Business Owners: Turning Noise Into Knowledge <i>Meredith</i>	570 Zoonotic Intestinal Parasites in Companion Animals <i>Saleh</i>	576 Client-Centered Practice in Veterinary Medicine and Sheltering <i>Jaynes, Marston, & Natrass Atema</i>		585 Common Problems Associated with Geriatric Camelids <i>Lakritz</i>
4:00 – 5:00 P.M.				
565 Making the Numbers Work for You: From Compliance to Creating New Business <i>Meredith</i>	571 Current Influenza Outbreaks in Wild Birds and Commercial Poultry <i>Nolting</i>	577 Putting Accessibility Into Practice: Barriers and Potential Solutions <i>Jaynes, Marston, & Natrass Atema</i>		586 Goofy Goats and Crazy Camelids: Neurologic Conditions in Small Ruminants <i>Masterson</i>

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Tracks highlighted in yellow will be recorded and made available for MVC Virtual.

STAFF DEVELOPMENT	TECHNICIAN I	TECHNICIAN II EXOTICS	WORKSHOPS & HANDS-ON LABS	
8:00 – 9:00 A.M.				
587 Unleash Your Inner Leader, Part I: Empower Your Mind for Success <i>Buehrle & Calcasola</i>	593 Tech Savvy: Chart the Course for Your Career <i>Moderator TBA</i>	599 Husbandry and Common Conditions of Reptiles and Amphibians <i>Jew</i>	C1 8:30 – 11:30 a.m. Digital Cytology in Clinical Practice: How to Capture Diagnostic Images Using a Smartphone <i>Millward & Wellman</i>	
9:15 – 10:15 A.M.				
588 Unleash Your Inner Leader, Part II: The Power of Effective Communication <i>Buehrle & Calcasola</i>	594 Improving Teams Through EQ, Cultural Competency, and Communication <i>Santiago</i>	600 Husbandry and Common Conditions of Guinea Pigs and Chinchillas <i>Jew</i>		
10:30 – 11:30 A.M.				
589 Unleash Your Inner Leader, Part III: Embracing Behavior Profiles <i>Buehrle & Calcasola</i>	595 The Impact of Unconscious Communication Patterns on Wellbeing <i>Santiago</i>	601 Husbandry and Common Conditions of Rabbits <i>Jew</i>		
LUNCH & EXHIBIT HALL BREAK 11:30 A.M. – 1:30 P.M.				
1:30 – 2:30 P.M.				
590 Unleash Your Inner Leader, Part IV: Developing Your EQ <i>Buehrle & Calcasola</i>	596 Don't Blame the Instruments: Testing and Inspecting Instruments <i>Schultz</i>	602 Husbandry and Common Conditions of Ferrets and Hedgehogs <i>Jew</i>		
2:45 – 3:45 P.M.				
591 Unleash Your Inner Leader, Part V: Mastering Crucial Conversations <i>Buehrle & Calcasola</i>	597 Microlab Relationship Status...It's Complicated: Troubleshooting Sample Submission <i>van Balen</i>	603 Exotic Animal Triage, Emergency, and Critical Care <i>Jew</i>		
4:00 – 5:00 P.M.				
592 Unleash Your Inner Leader, Part VI: Managers vs Leaders <i>Buehrle & Calcasola</i>	598 I Need That Redrawn: The Importance of Proper Specimen Collection <i>Blackburn & Millward</i>	604 Venipuncture and Catheters in Exotic Pets <i>Jew</i>		

— 593 SPONSORED BY: —



Notes: Tracks highlighted in yellow will be recorded for the VMVC. // These descriptions have been edited; visit mvcinfo.org/education for complete details.

Animal Behavior I

100 8:00 – 9:00 A.M.

Feline Separation Anxiety: How to Diagnose and Treat

Wailani Sung, M.S., Ph.D., DVM, DACVB

Audience: V, T, HS, SS // Level: 2

In this session, the speaker will review the clinical signs of separation anxiety in cats. Attendees will learn how to differentiate feline separation anxiety from elimination behavior disorders. They will also learn how to develop a behavior treatment plan.

101 9:15 – 10:15 A.M.

Feline Elimination Behavior Disorders

Wailani Sung, M.S., Ph.D., DVM, DACVB

Audience: V, T, HS, SS // Level: 1

In this session, the speaker will review how to determine a cat's underlying motivation for not using the litter box and discuss what treatment options are available.

102 10:30 – 11:30 A.M.

Behavioral Needs of Senior Pets

Wailani Sung, M.S., Ph.D., DVM, DACVB

Audience: V, T, HS, SS, BT // Level: 1

Veterinary staff are crucial in educating clients on how to help their pets age gracefully while addressing their behavioral needs to improve quality of life. In this session, the speaker will review the signs of aging in companion animals, from subtle to obvious, so attendees can better treat their senior patients and educate pet owners.

103 1:30 – 2:30 P.M.

Common Behavior Problems Presented to Veterinary Behavior Specialists

Wailani Sung, M.S., Ph.D., DVM, DACVB

Audience: V, T, HS, SS, BT // Level: 2

Canine and feline aggression, separation anxiety, and generalized anxiety disorder are among the top behavioral concerns presented to behavior specialty services. In this session, attendees will learn how to make a diagnosis and determine a prognosis for each case. The speaker will also address how to develop a behavior treatment plan, including management, training and modification exercises, and the use of natural supplements or behavioral pharmaceuticals.

104 2:45 – 3:45 P.M.

Red Flag Behaviors in Puppies and Kittens: They Are NOT Going to Grow Out of It

Wailani Sung, M.S., Ph.D., DVM, DACVB

Audience: V, T, HS, SS, BT // Level: 1, 2

How should we approach bad behaviors like aggression in puppies and kittens? This session will review "red flag behaviors" that need to be addressed right away, because contrary to the popular misconception, they don't always simply "grow out of it."

105 4:00 – 5:00 P.M.

Canine Aggression Disorders: Making a Diagnosis, Prognosis, and Treatment Plan

Wailani Sung, M.S., Ph.D., DVM, DACVB

Audience: V, T, HS, SS, BT // Level: 2, 3

In this session, the speaker will review types of aggression disorders seen in a behavior specialty service. Attendees will learn how to identify the underlying motivation for the aggressive behaviors, determine the prognosis, and create a treatment plan consisting of behavior management, training and behavior modification exercises, and the use of natural supplements or behavioral pharmaceuticals.

Animal Behavior II

106 8:00 – 9:00 A.M.

A New Thought on Preventing Dog Bites: Ask the Dog!

Steve Dale, CABG

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

This session will explore the relatively new concept of asking for a dog's consent through a Fear Free-consistent protocol called S.T.O.P.P. Attendees will learn why asking the dog for consent can lower bite incidents, help educate the public about dog signaling, and improve dog welfare. It turns out, if you ask dogs, they do answer!

107 9:15 – 10:15 A.M.

Dogs Weren't Bred to be Couch Potatoes

Steve Dale, CABG

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

This session will explore how enrichment can alleviate behavior problems, maintain brain health, and delay or even prevent the onset of canine dysfunction syndrome. Attendees will learn ideas for enrichment that are easy and fun for clients to implement, including brain games and using the most powerful canine tool of all, their sense of smell. The concept of contrafreeloading and how we typically feed our dogs (which may be all wrong) will also be discussed.

108 10:30 – 11:30 A.M.

The Human-Animal Bond: Is it Possible to be Over-Bonded?

Steve Dale, CABG

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

In the era of "pet parents" and "fur babies," companion animals are increasingly being seen as family members rather than pets. Do pets pay a price for new attitude? This session will explore how the intensification of the human-animal bond has both positive and negative consequences on pet behavior and overall health. Attendees will also learn how they can take advantage of this intense bond to connect with younger generations of pet owners and ultimately improve pet health.

109 1:30 – 2:30 P.M.

Do Cats Agree to Anything? How Cat Consent Can Support Veterinary Visits

Steve Dale, CABG

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

Consent has become a buzzword for elevating force-free dog training to a new level; why not utilize consent concepts with cats as well? This session will discuss the concept of cat consent and explore how implementing it can improve veterinary visits for everyone involved.

110 2:45 – 3:45 P.M.

Cats and Pain: For Me to Know and You Never to Find Out

Steve Dale, CABG

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

This session will discuss educating clients on the subtle signs they may observe even in cats that are masquerading as pain-free, including rating facial expression changes on the Grimace Scale. Attendees will hear tips on getting cats to the vet—which continues to be an issue—and use of virtual care as a follow up, as well as explanations for exercise, enrichment, and various products such as Solensia for a multimodal approach.

111 4:00 – 5:00 P.M.

Brain-Dead Fat Cats: Enriching Cat Lives Is No Longer Optional

Steve Dale, CABG

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

In this session, we will discuss what some call "certification," or meeting the environmental needs of cats. Topics to be covered include the best ways to feed cats, taking into consideration the concept of contrafreeloading (which suggests most animals prefer working for which their food); various inexpensive and easy-to-implement enrichment ideas and games; and how to "train" cats and why anyone might bother training cats in the first place.

Equine

112 8:00 – 9:00 A.M.

Equine Gastric Ulcer Syndrome: Diagnosis, Treatment, and Prevention

Katy Timko, DVM, M.S., DACVIM-LA

Audience: V // Level: 2, 3

This session will cover the pathophysiology of and differences between equine squamous gastric disease (ESGD) and equine glandular gastric disease (EGGD). Risk factors and prevalence of equine gastric ulcer syndrome (EGUS) and the use of gastroscopy in the field will also be discussed. Attendees will also learn various treatment options for ESGD and EGGD and discuss new literature to support these treatments. Lastly, the session will cover ways to incorporate behavior modification in the treatment and prevention of EGUS.

113 9:15 – 10:15 A.M.
Clinical Approach to Common Disorders of the Foal

Katy Timko, DVM, M.S., DACVIM-LA

Audience: V // Level: 2, 3

This session will explain the normal neonatal physical examination and potential clinical pathologic findings. Case examples will be used to demonstrate the pathophysiology, clinical signs, diagnosis, and treatment options associated with common foal diseases.

114 10:30 – 11:30 A.M.
Endocrine Disease, Part I: Updates and Controversies in Diagnostic Testing

Teresa Burns, DVM, Ph.D., DACVIM

Audience: V // Level: 3

This session will review the common diagnostic tests for equine insulin dysregulation/equine metabolic syndrome (EMS) and pituitary pars intermedia dysfunction, including current recommendations for first- and second-tier tests to establish these diagnoses. Attendees will also hear information regarding confounders to test interpretation, standardization of testing conditions, and use of testing to monitor patient progress.

115 1:30 – 2:30 P.M.
Endocrine Disease, Part II: Therapy and Clinical Case Management

Teresa Burns, DVM, Ph.D., DACVIM

Audience: V // Level: 3

This session will discuss treatment modalities for effective management of equine insulin dysregulation/equine metabolic syndrome and pituitary pars intermedia dysfunction. Topics will include pharmacotherapy, nutrition, and husbandry interventions; barriers to effective treatment and how to overcome them; novel treatments based on field research; and strategies for assessing patient status and response to therapy.

116 2:45 – 3:45 P.M.
Saddle Up for Stewardship: Bridging Care and Antimicrobial Guidelines

Thomas Wittum, M.S., Ph.D. and Dimitria Mathys, VMD, MsPH, Ph.D.

Audience: V // Level: 1, 2

This presentation will discuss new antimicrobial use guidelines, explore how antimicrobial stewardship programs can be implemented in private practices, and explain the importance of antimicrobial stewardship in veterinary medicine.

117 4:00 – 5:00 P.M.
Battling the Invisible: Multidrug-Resistant Bacteria in Equine Medicine

Dubrasca Diaz-Campos, DVM, Ph.D.; Teresa Burns, DVM, Ph.D., DACVIM; and Rikki Horne, PharmD, DICVP, FSVHP

Audience: V // Level: 1, 2, 3

In this session, speakers will describe real-world cases highlighting the responsible use of antimicrobial agents, from the perspectives of the equine practitioner, veterinary pharmacist, and veterinary microbiologist.

Food Animal

118 8:00 – 9:00 A.M.
Solutions Beyond Commercial Vaccines

Dwain Guggenbiller, DVM, MBA

Audience: V // Level: 1

Commercial vaccines are a wonderful tool to promote a preventive health plan for animals, but bacteria and viruses change rapidly, and new ones are discovered every year. This session will explore available vaccine technology options, including autogenous vaccines, prescription vaccines, and platform vaccine technology.

119 9:15 – 10:15 A.M.
The Veterinarian's Role in National Dairy FARM Animal Care Program Implementation

Speaker TBA

Audience: V, MO // Level: 1, 2, 3

This session will describe the history, need, and results of the National Dairy Farmers Assuring Responsible Management (FARM) Animal Care Program. Attendees will partake in discussions regarding the veterinarian's role in assisting clients as they develop and maintain herd health protocols and prepare for animal care evaluations.

120 10:30 – 11:30 A.M.
Golden Practices for Weaning More and Healthier Piglets

Talita Resende, DVM, M.S., Ph.D.

Audience: V, T, MO // Level: 1, 2, 3

This session will clarify important aspects of the farm routine that can promote a larger number of weaned piglets. Dam health and vaccination, farrowing and colostrum intake assistance, controlling of environmental conditions, piglet processing, and other factors will be discussed, with an emphasis on practical and realistic aspects of the farm routine.

121 1:30 – 2:30 P.M.
Basic Field Necropsy Techniques and Sample Collection

Rebecca Ruby, M.S., BVSc, DACVP, DACVIM-LAIM

Audience: V, T // Level: 1, 2

This session will focus on basic techniques, tips, and tricks for getting the most out of a field necropsy in a variety of cases, including abortions, gastrointestinal disease, and suspected intoxications.

122 2:45 – 3:45 P.M.
Necropsy Examination for Respiratory Cases: What Goes Where?

Rebecca Ruby, M.S., BVSc, DACVP, DACVIM-LAIM

Audience: V, T // Level: 1, 2

This session is intended to give the audience an overview of what samples should be collected from what sites when testing in cases of respiratory disease. Getting a diagnosis can depend on knowing what location is best for different testing options.

123 4:00 – 5:00 P.M.
Bovine Necropsy Cases: From Classic to Crazy

Rebecca Ruby, M.S., BVSc, DACVP, DACVIM-LAIM

Audience: V, T // Level: 1, 2

This session will review a variety of cases seen on the necropsy floor. Attendees will leave with increased confidence in their ability to make diagnoses in a field setting, based on necropsy alone or with minimal additional testing.

Holistic & Integrative Medicine

124-126 8:00 – 11:30 A.M.
An Integrated Approach to Pain Management

Chelsea Dawson, DVM, MRCVS, GPCert, WVA, CPM

Audience: V, T, BT, SS, HS // Level: 1, 2

In the first hour of this three-part session, we will look at the fundamentals of pain, including its pathophysiology, the different types, and its bio-psycho-social effects. The second hour will explore how animals show pain and ways practitioners can more accurately diagnose it. Attendees will learn how to choose the best treatment that combines medications, physical therapies, and more. The final hour will take an in-depth look at how we monitor and track treatment progress with pain patients, as well as options for changing treatment plans as needed.

127 1:30 – 2:30 P.M.
Symmetry: The Cheap Diagnostic Tool

Bill Ormston, DVM, CAC, DVETHOM

Audience: V, T // Level: 1

When we watch animals move, small changes will be evident when we alter conditions: Hard vs. soft surfaces, uphill vs. downhill, circling vs. straight line movement all place pressure on different areas of the body. This session will discuss how rehabilitation should include restoring nerve flow and using these differences to correct asymmetries in the body.

128 2:45 – 3:45 P.M.
The Power of the Adjustment: Improving the Clinic Attitude

Bill Ormston, DVM, CAC, DVETHOM

Audience: V, T, HS, MO // Level: 1

This session will discuss the importance of client education for your practice and how using an "ask, don't tell" approach leads to higher information retention.

129 4:00 – 5:00 P.M.
Gravity: The Overlooked Health Inhibitor

Bill Ormston, DVM, CAC, DVETHOM

Audience: V, T // Level: 1

This session will discuss how posture changes are the first sign of organ malfunction that ultimately lead to disease. Attendees will learn how to spot posture imbalances and correct them with chiropractic care.

Pet Animal DENTISTRY

130 8:00 – 9:00 A.M.

Indications for Extractions

Jamie Berning, DVM, DAVDC

Audience: V // Level: 1, 2

Canine and feline teeth may need to be extracted for a variety of reasons, from periodontal disease to endodontic issues to traumatic injuries. This session will offer guidance for determining when a tooth warrants extraction and complicated cases that may require referral to a dental specialist.

131 9:15 – 10:15 A.M.

Extraction Techniques

Jamie Berning, DVM, DAVDC

Audience: V // Level: 1, 2

In this session, we will delve into the intricacies of dental extractions, focusing on challenges that may arise. Attendees will learn common surgical techniques and strategies to address each of these challenges, ultimately improving patient outcomes and oral health.

132 10:30 – 11:30 A.M.

Understanding Malocclusions: Classification and Age-Appropriate Treatment Strategies

Jamie Berning, DVM, DAVDC

Audience: V // Level: 1, 2

This session will demystify malocclusions by reviewing their definition and classification. Attendees will learn to identify various types of malocclusions and gain a deep understanding of age-specific treatment options, from neonatal to adult patients, ensuring they can effectively manage these common dental issues and optimize the oral health and well-being of their animal patients.

133 1:30 – 2:30 P.M.

Oral Tumors in Dogs and Cats: Prognosis and Surgical Considerations

Jamie Berning, DVM, DAVDC

Audience: V // Level: 1, 2

This session will explore the spectrum of oral masses encountered in veterinary dentistry, offering attendees a comprehensive understanding of each type and its associated prognosis. Factors influencing the decision to pursue surgical intervention or alternative treatment approaches will also be covered.

134–135 2:45 – 5:00 P.M.

Dental Radiograph Interpretation

Jamie Berning, DVM, DAVDC

Audience: V // Level: 1, 2

In the first half of this two-part series, attendees will learn how to recognize oral pathology in radiographic images and how to use images to determine treatment. The second half will focus on recognizing and treating tooth resorption in dogs and cats.

Pet Animal NEUROLOGY

136 8:00 – 9:00 A.M.

Shake, Rattle, and Roll: Getting the Most of Your Neurologic Examination

Devon Hague, DVM, DACVIM (Neurology)

Audience: V, T // Level: 1, 2

This session will use videos to review strategies for completing a thorough neurologic examination, aimed at the busy practitioner. We will focus on ways to perform the neurologic examination using stress-reducing approaches.

137 9:15 – 10:15 A.M.

Shake It Off: Practical Approach to Neurolocalization

Devon Hague, DVM, DACVIM (Neurology)

Audience: V, T // Level: 1, 2

This lecture will use charts and videos to guide attendees through an organized approach to neuroanatomic localization of patients—ultimately helping you shake off the anxiety, frustration, and stress associated with obtaining a neurolocalization.

138 10:30 – 11:30 A.M.

Under Pressure: How to Handle Seizure Emergencies

Devon Hague, DVM, DACVIM (Neurology)

Audience: V, T // Level: 2

Pressure, pushing down on you as your patient enters the clinic in status epilepticus. You're under pressure; what do you do? This session will focus on practical tips to help you stop seizures and discuss prognosis with clients.

139 1:30 – 2:30 P.M.

Who You Gonna Call? Epilepsy Case Review

Devon Hague, DVM, DACVIM (Neurology)

Audience: V, T // Level: 1, 2, 3

This will be an interactive session in which we will discuss a variety of seizure cases and the diagnosis and management of epileptic patients.

140 2:45 – 3:45 P.M.

Confusion is Nothing New: Peripheral Nervous System Diseases

Devon Hague, DVM, DACVIM (Neurology)

Audience: V, T // Level: 2

This lecture will review the lower motor neuron and the clinical findings in patients with nerve, muscle, and neuromuscular junctional diseases. We will also discuss the most common diseases of the peripheral nervous system and how to diagnose and manage them in practice.

141 4:00 – 5:00 P.M.

Burn, Baby, Burn: Meningoencephalitis of Unknown Etiology

Devon Hague, DVM, DACVIM (Neurology)

Audience: V, T // Level: 2

This lecture will focus on meningoencephalitis of unknown etiology (MUE), a category of diseases with

a suspected CNS immune-mediated cause. Diagnosis and treatment will also be covered, as well as how to manage these patients in the general practice setting.

Pet Animal OPHTHALMOLOGY

142 8:00 – 9:00 A.M.

Adnexal Disease Therapy: Are Eyelids Anything Like Normal Skin?

Ralph Hamor, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

This session will offer an in-depth look at common adnexal diseases of dogs and cats, with a focus on recognition and treatment. Both medical and surgical options will be covered, taking into consideration the unique characteristics of eyelid tissue as compared to normal skin.

143 9:15 – 10:15 A.M.

The Retina: A Window to the Inside

Ralph Hamor, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

This session will cover how to recognize and treat common retinal diseases in dogs and cats. Attendees will leave with a deeper understanding of how to approach and manage retinal diseases effectively, promoting better outcomes and improved quality of life for our canine and feline patients.

144 10:30 – 11:30 A.M.

Orbital Disease: Is it Inflammation or a Tumor?

Ralph Hamor, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

This session will explore the challenges of differentiating between orbital inflammation and neoplasia in veterinary patients. Attendees will learn common orbital diseases that affect dogs and cats, as well as the diagnostic tools and techniques necessary for accurate assessment and treatment.

145 1:30 – 2:30 P.M.

Ocular Emergencies: What Can I Do?

Ralph Hamor, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

In this session, a variety of ocular emergencies commonly seen in dogs and cats will be covered. Attendees will gain practical knowledge and learn action steps for managing ocular emergencies in their practice.

146 2:45 – 3:45 P.M.

Feline Ophthalmology: What's So Special About Cat Eyes?

Ralph Hamor, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

This session will explore the unique mysteries of feline ophthalmology, focusing on special attributes and challenges posed by cat eyes. Attendees will gain a

deeper understanding of feline-specific ocular diseases and their treatment strategies, making them better able to deliver tailored and effective eye care for their feline patients.

147 4:00 – 5:00 P.M.
Eye Challenge You: Clinical Cases in Veterinary Ophthalmology

Ralph Hamor, DVM, M.S., DACVO

Audience: V, T // Level: 1, 2

This interactive session will present a variety of clinical cases for review. Attendees will participate in a large group discussion to reinforce key topics important in veterinary ophthalmology.

Pet Animal
RADIOLOGY

148 8:00 – 9:00 A.M.
Getting Started with Ultrasound: What You Need to Know

Marc Seitz, DVM, DACVR, DABVP

Audience: V, T // Level: 1, 2

Are you new to ultrasound? Learning a few basic principles and controls will drastically improve your image quality and diagnostic accuracy, ensuring you are getting the most out of your machine and doing right by your patients. In this session, attendees will learn how ultrasound creates an image, common artifacts and how to use them diagnostically, how to hold and move the transducer, and what buttons and knobs to use on a regular basis.

149 9:15 – 10:15 A.M.
Cats are Not Dogs When it Comes to Abdominal Ultrasound

Marc Seitz, DVM, DACVR, DABVP

Audience: V, T // Level: 2, 3

When it comes to treating feline patients, we all know that cats are not small dogs. This session will explain how to prepare the feline patient for ultrasound and describe equipment selection and machine settings that will maximize diagnostic yield. Emphasis will be placed on clinically relevant species differences involving the liver, gallbladder, spleen, kidneys, urinary bladder, gastrointestinal tract, pancreas, lymph nodes, and adrenal glands.

150 10:30 – 11:30 A.M.
Feline Hepatobiliary Ultrasound

Marc Seitz, DVM, DACVR, DABVP

Audience: V, T // Level: 2, 3

This session will review the ultrasonographic changes associated with common hepatobiliary diseases, along with numerous case examples and clinically relevant literature updates where applicable. Diseases to be covered include hepatic lipidosis, cholangiohepatitis, cholecystitis, cholelithiasis, extrahepatic biliary duct obstruction, and hepatic neoplasia.

151 1:30 – 2:30 P.M.

Feline Gastrointestinal Ultrasound

Marc Seitz, DVM, DACVR, DABVP

Audience: V, T // Level: 2, 3

This session will review ultrasonographic changes associated with common feline gastrointestinal tract diseases. Numerous case examples will be shared, along with clinically relevant literature updates where applicable. Diseases covered will include mechanical obstruction (foreign material and hairballs), linear foreign body, intussusception, inflammatory bowel disease, histoplasmosis, GI neoplasia, and typhlitis.

152 2:45 – 3:45 P.M.

Feline Urinary Tract Ultrasound

Marc Seitz, DVM, DACVR, DABVP

Audience: V, T // Level: 2, 3

This session will review the ultrasonographic changes associated with common feline urinary tract diseases. Numerous case examples will be presented, along with clinically relevant literature updates where applicable. Diseases to be covered include chronic kidney disease, polycystic kidney disease, perinephric pseudocyst, feline infectious peritonitis, urolithiasis, cystitis, feline urethral obstruction, and urinary neoplasia.

153 4:00 – 5:00 P.M.

The Many Imaging Manifestations of Feline Lymphoma

Marc Seitz, DVM, DACVR, DABVP

Audience: V, T // Level: 2, 3

The only rule lymphoma follows is that it can do whatever it wants. This session will describe the clinical manifestations of thoracic and abdominal lymphoma on radiographs and ultrasound, from the common to the uncommon.

Practice Management!

154 8:00 – 9:00 A.M.

Your Marketing Car: An Explanation of How Marketing Works Today

Kelly Baltzell, M.A.

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

In this session, we will use the analogy of a car to simplify the marketing process. Attendees will learn about the four wheels of the digital marketing car and how they work together; where blogs fit in and why Google loves them; and who/what drives the marketing car to gain results and achieve marketing goals.

155 9:15 – 10:15 A.M.

Five Marketing Strategies Your Business Should Use in 2024

Kelly Baltzell, M.A.

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

In this lecture, attendees will learn the top five digital marketing focuses of 2024 and what skills are needed to

make them a reality. Come to this session to learn how you can keep your practice visible in the digital eye!

156 10:30 – 11:30 A.M.

The Narrative Matters: Discover and Create Yours

Kelly Baltzell, M.A.

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

How the world thinks about, perceives, and engages with our veterinary hospital can depend greatly on the narrative we put forth, intentional or not. This session will start with a discussion of historical narratives that are still being told today, influencing how we use and purchase certain items. Attendees will learn how humans consume narratives, in order to better understand the importance of creating their practice's messaging intentionally. Finally, tips on crafting and nurturing a narrative to influence pet owners positively will be explored.

157 1:30 – 2:30 P.M.

Your End-of-Life Narrative

Kelly Baltzell, M.A.

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

This session will shed light on the grieving process, so you can better support your clients who are facing the loss of a pet. Attendees will also learn communication skills for before and after death, as well as when, how, and where to market end-of-life services.

158 2:45 – 3:45 P.M.

Bad Reviews? Time To Manage Client Communications "Upstream"

Kelly Baltzell, M.A.

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

By the time a bad review has landed on a business review site, a practice has likely missed several opportunities to address it (or even head it off!) before it went public. This lecture will discuss how consistent practice narratives ease client expectations; where to manage client communications, both online and off; which digital platforms should be monitored for reviews; and how to appropriately deal with a bad review.

159 4:00 – 5:00 P.M.

Starting a Practice? Your Marketing Needs a Timeline

Kelly Baltzell, M.A.

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

Opening a new practice is complicated. With so many balls up in the air, it's easy to forget about marketing—and most new owners do. But marketing is what ensures you have tails through your door the day your new practice opens. In this session, attendees will learn the timeline of creating and launching digital marketing assets; best practices for managing your new digital marketing practices and who should have the "keys"; and what skill sets you need to create and manage your practice marketing.

Practice Management II

160 Licensing Board Case Review & Rule Updates

Tim Kolb, DVM

Audience: V, T, MO // Level: 1, 2, 3

This session will feature cases presented to the Ohio Veterinary Medical Licensing Board, as described by the individuals who review and decide them. Attendees will gain an understanding of how violations are resolved, common areas where problems occur, and what happens in a compliance inspection. Speakers will also explain changes made to rules that govern the practice of veterinary medicine in Ohio.

161 Veterinary Pharmacy Regulations in Ohio

Speaker TBA

Audience: V, T, MO // Level: 1, 2, 3

This session will provide an overview of pharmacy board regulations affecting veterinary practitioners. Answers to many common questions and scenarios will be offered, from licensing to security to compounding and much more.

162 Infectious Waste Guidelines for Ohio Veterinary Practices

Speaker TBA

Audience: V, T, MO // Level: 1, 2, 3

Every veterinary facility generates medical waste, but when is it considered "infectious waste"? From sharps to vaccine vials to zoonotic agents, how should veterinary waste be handled? This session will discuss how Ohio's regulations apply to small waste generators like veterinary facilities. Updates on infectious waste rules will also be shared.

163 Medical Record Keeping: Will Your Documentation Defend You?

Jennifer Frey, DVM

Audience: V, MO // Level: 2

If faced with an allegation of negligence, will your medical records be able to defend you? In this session, we will discuss the importance of documentation as well as do's and don'ts when it comes to medical record keeping. Finally, real-life closed claim examples will be provided to illustrate why good medical records are essential in day-to-day practice.

164 Protecting Your Veterinary License

Jennifer Frey, DVM

Audience: V, MO // Level: 3

This session will begin with an overview of common malpractice allegations and the types of coverage needed to protect your professional license. Attendees will gain

insight on what to expect if faced with an investigation or complaint and learn how to proceed after receiving a letter from the licensing board. Examples of potential outcomes and veterinary board actions will be provided, as well as risk management advice on how to minimize both malpractice and board complaints.

165 Communication Challenges in Clinical Practice

Jennifer Frey, DVM

Audience: V, T, MO // Level: 2

This session will explore key aspects of difficult conversations, such as delivering bad news, disclosing medical errors, and dealing with upset clients. Closed claim examples will be used to illustrate the importance of effective communication in veterinary practice.

Public Health

166A Animal Cruelty Laws Across the U.S.

Virginia Behmer Porter, B.A.

Audience: V, HS, MO // Level: 1

Every state in the U.S. has laws against animal cruelty, abuse, and neglect. This 30-minute presentation will offer a descriptive analysis of animal cruelty statutes in every state, from reporting and enforcement regulations, cross-reporting requirements, classification of specific cruelty types, and law distributions utilizing U.S. Census regional classification.

166B The Ohio Rabies Resource for Veterinarians

Colleen McEnhill, MPH-VPH

Audience: V, HS, MO, SS // Level: 1

During this half-hour session, attendees will learn about a collaborative research project that led to the creation of the Ohio Rabies Resource for Veterinarians and explore its contents.

167 Animal Models and Their Role in Human and Animal Health

Stacey Meeker, DVM, Ph.D., DACLAM

Audience: V, T, MO, HS, SS, BT // Level: 1

This session will provide a broad overview of animal models and how they are used in research to advance human and animal health. We will also discuss the integration, advancements, and limitations of non-animal alternatives within the field.

168 From Bench to Bedside: Getting New Drugs and Vaccines to Your Clinic

Brad Youngblood, DVM, DSP, DACLAM

Audience: V, T, MO, HS, SS, BT // Level: 1

This session will review how drugs and vaccines are developed, tested, and finally make it to the clinic shelf, along with regulations and timelines for approval. Reasons why drugs are not developed for some diseases

and species will be covered, as well as what regulatory agencies are doing to identify treatment options for exotic species and less-common diseases.

169 The Cat's Out of the Bag: Sporotrichosis Outbreak Linked to a Veterinary Clinic

Sara Margrey, DVM, MPH

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

The session will describe an outbreak of feline sporotrichosis associated with an Ohio veterinary clinic. Sporotrichosis is an emerging fungal disease of concern as demonstrated by this outbreak, the first of its kind reported in North America. This presentation will cover the epidemiologic investigation, public health response, sporotrichosis case management, and recommendations for infection prevention and control for veterinary clinics.

170-171 Global Public Health: What's Vet Med Got to Do With it?

Amanda Berrian, DVM, Ph.D., MPH, DACVPM

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

The first half of this two-hour session will focus on veterinary public health topics at an international scale, including trends in global development (such as urbanization and animal use) and their impacts on animal, environmental, and human health. Drivers of emerging zoonoses—which have been responsible for all six pandemics in the last 40 years—will also be covered. The second half will focus on local and other community-based topics and resources. Attendees will find out how the next generation of veterinary public health professionals are being trained to meet these challenges and learn about resources and strategies that animal health professionals can use to promote One Health and mitigate risks from public health emergencies at every level.

Shelter Animal I

172 Legal Issues, Part I: When Animal Ownership Changes

J. Jeffrey Holland, Esq.

Audience: V, MO, HS, SS // Level: 1

This session will explore situations in which animal ownership may change, including death, eviction, abandonment, seizure, non-payment, and more. Hypotheticals and questions from the audience will be welcome.

173 Legal Issues, Part II: Livestock Cruelty Investigations

J. Jeffrey Holland, Esq.

Audience: V, T, HS, SS // Level: 2

In this session, attendees will learn about laws relating to cruelty and neglect of livestock from the vantage point of an experienced animal cruelty prosecutor,

including documentation, chain of custody, preserving evidence, expert report writing, and how to testify.

174 10:30 – 11:30 A.M.
Legal Issues, Part III: Hot Topics in Animal Cruelty Law

J. Jeffrey Holland, Esq.

Audience: V, T, HS, SS // Level: 3

This session will explore the latest legal developments in the investigation and prosecution of animal cruelty, neglect, and abuse cases with an experienced animal cruelty prosecutor. Discussion will include real cases and recent legislation.

175–176 1:30 – 3:45 P.M.
Crime Scene Photography for Abuse and Neglect Investigations

Richard Meadows III, MCI, MET

Audience: V, T, HS, SS // Level: 1, 2

The first hour of this two-part session will cover the fundamentals of crime scene photography, including DSLR camera adjustments. The second hour will involve hands-on exercises in which attendees will practice their new photography skills. Bringing a DSLR camera to both sessions will be helpful, but a smartphone camera can also be used.

177 4:00 – 5:00 P.M.
Crime Scene Fundamentals: Processing and Storing Evidence

Richard Meadows III, MCI, MET

Audience: V, T, HS, SS // Level: 1, 2

This session will focus on the basics of crime scene processing, including steps to preserve the crime scene and techniques for collecting evidence commonly found at animal crime scenes. Basic evidence packaging and storage will also be covered.

Shelter Animal II

178–180 8:00 – 11:30 A.M.
Positive Outcomes for Positive Cats

Alexis Bardzinski, DVM

Audience: V, T, MO, SS // Level: 1, 2, 3

This three-hour series will explore current perceptions about cats with positive FeLV (part one), FIV (part two), or FIP (part three) test results and the obstacles shelters face in getting these animals into homes. Attendees will learn how to safely house these special populations, find successful fosters, market these cats to prospective adopters, and ultimately adopt out cats previously thought of as difficult or impossible to place.

181 1:30 – 2:30 P.M.
Risky Business: Meeting the Social Needs of Puppies in Shelter Environments

Meghan Herron, DVM, DACVB

Audience: V, T, SS, BT // Level: 2

Canine parvovirus poses a real and potentially deadly risk for puppies in a shelter environment. That said,

substantially more dogs are euthanized for behavior problems. This presents a conundrum for shelters housing young puppies. This presentation will discuss options for low-risk socialization and explain how to weigh the risk-benefit ratio for your specific organization.

182 2:45 – 3:45 P.M.
Surviving Adolescence: Helping Adolescent Dogs Thrive

Meghan Herron, DVM, DACVB

Audience: V, T, SS, BT // Level: 1

A growing number of rowdy adolescent dogs enter shelters each year. Without intervention, many of their behaviors will transition from unwanted but normal into problematic and pathological. This presentation will provide an overview of programming specifically designed for adolescent and young adult dogs to be successful in the shelter environment and to make a smoother transition into an adoptive home.

183 4:00 – 5:00 P.M.
Isolation Distress: Improving Welfare for Dogs in Quarantine Housing

Meghan Herron, DVM, DACVB

Audience: V, T, SS, BT // Level: 2

Whether you are managing animals in a shelter or other environment, the welfare of animals in isolation or quarantine housing is of utmost importance. This presentation will review signs of fear, anxiety, and stress in dogs; explain how to mitigate it; and offer specific tips for promoting good welfare for dogs in quarantine or isolation.

Technician I ANESTHESIA & ANALGESIA

184 8:00 – 9:00 A.M.
Using Constant Rate Infusions for Anesthesia and Analgesia

Katrina Lafferty, BFA, RLAT, CVT, VTS (A/A)

Audience: T // Level: 1, 2

This session will discuss choices, dosages, side effects, and equipment for analgesic, anesthetic, and pressor-supporting drugs. Attendees will gain an understanding of the methods of action for various drugs available as a CRI; indications, advantages, and disadvantages; and available equipment and techniques.

185 9:15 – 10:15 A.M.
Tubes and Holes: How to Become a Master Intubator

Katrina Lafferty, BFA, RLAT, CVT, VTS (A/A)

Audience: T // Level: 1, 2, 3

This lecture will dispel myths about correct intubation techniques in canine and feline patients and explain simple endotracheal intubation techniques. Necessary equipment, common concerns, possible complications, breed-specific intubation considerations, appropriate extubation factors, and alternative intubation techniques will also be covered.

186 10:30 – 11:30 A.M.

A Face Only a Mother Could Love: Anesthesia for Brachycephalic Breeds

Katrina Lafferty, BFA, RLAT, CVT, VTS (A/A)

Audience: T // Level: 1, 2

This session will discuss how to formulate safe anesthetic plans for brachycephalic breeds and airway cases, including restraint methods, drug choices, and analgesia choices; how to maintain patients during difficult intubation, induction, and intra-operative periods; and how to prepare for challenging recovery periods, taking into consideration continued monitoring, extubation, continued oxygenation, and post-operative analgesia.

187 1:30 – 2:30 P.M.

Take a Deep Breath: The Relationship Between Capnography and Pulse Oximetry

Katrina Lafferty, BFA, RLAT, CVT, VTS (A/A)

Audience: T // Level: 1, 2

In this lecture, attendees will explore the many uses of capnography and pulse oximetry, including as a ventilation guide, an intubation confirmation tool, and a critical early alert system. The session will also explain the pros and cons of available equipment, offer troubleshooting tips for both the machine and the patient, and explain how to identify normal and abnormal capnography and pulse oximetry tracings.

188 2:45 – 3:45 P.M.

Nuts and Bolts: Understanding and Using Your Anesthesia Machine

Katrina Lafferty, BFA, RLAT, CVT, VTS (A/A)

Audience: T // Level: 1, 2

This lecture will break the anesthesia machine down into its basic parts to provide an understanding of how it functions. Attendees will learn the correct usage of rebreathing and non-rebreathing systems, low-flow and closed circuit techniques, common problems, and troubleshooting.

189 4:00 – 5:00 P.M.

Analgesia Beyond Opioids

Katrina Lafferty, BFA, RLAT, CVT, VTS (A/A)

Audience: T // Level: 1, 2

This presentation will discuss pros and cons of pharmacologic opioid-sparing analgesic drugs and techniques; describe non-pharmacologic options and when they are appropriate; and explain how to evaluate comfort versus sedation.

Technician II DENTISTRY

190 8:00 – 9:00 A.M.

Count Those Teeth: Oral Anatomy and Terminology

Jill Bates, RVT, VTS-Dentistry

Audience: V, T, HS // Level: 1

This session will offer an introduction to charting and preparing for the dental prophylaxis. Attendees will learn

how to identify normal oral, tooth, and skull anatomy; recognize common abbreviations and the Triadan numbering system; and correctly use direction terms.

191 9:15 – 10:15 A.M.
Do You Smell That? Understanding Periodontal Disease

Jill Bates, RVT, VTS-Dentistry

Audience: V, T, HS // Level: 1, 2

This session will describe the symptoms of periodontal disease in canine and feline patients—including gingivitis, probing depth, furcation exposure, gingival recession, and mobility—and discuss available treatment options. Attendees will also gain tools to educate clients on periodontal disease prevention and treatment.

192 10:30 – 11:30 A.M.
The Dental Procedure: Fundamentals of the Dental Prophylaxis

Jill Bates, RVT, VTS-Dentistry

Audience: V, T, HS // Level: 1, 2

This session will offer techniques that will help you become more proficient at performing dental prophylaxis or “prophy” (aka, a dental cleaning), including tips on posture and ergonomics. Attendees will leave with an understanding of the importance of having a set routine and sticking to that routine every time.

193 1:30 – 2:30 P.M.
X’s and O’s: Dental and Oral Abnormalities

Jill Bates, RVT, VTS-Dentistry

Audience: V, T, HS // Level: 1, 2

This session will discuss the anesthetized oral exam, including how to use American Veterinary Dental College (AVDC) abbreviations to document oral pathology on a dental chart. The signs of common oral pathologies in dogs and cats will be covered, along with treatment options.

194 2:45 – 3:45 P.M.
Introduction to Dental Radiography Positioning and Techniques

Jill Bates, RVT, VTS-Dentistry

Audience: V, T, HS // Level: 1, 2

In this session, attendees will be introduced to the fundamentals of dental radiography and patient positioning. Attendees will also learn what makes a radiograph diagnostic and techniques for obtaining diagnostic images. *Note: This session is a prerequisite for Lab B1.*

195 4:00 – 5:00 P.M.
The Role of the Technician in Veterinary Dentistry: What Should You Know?

Jill Bates, RVT, VTS-Dentistry

Audience: V, T, HS // Level: 1, 2

This session will explore the technician’s typical responsibilities during a dental procedure, as well as when and how to decline tasks you aren’t comfortable with, and what those tasks might be. The importance of ergonomics will also be discussed, along with tips

for maintaining a comfortable working environment. Finally, basic dental abnormalities, tooth numbers, and radiograph positioning will be reviewed.

Wellbeing

196 8:00 – 9:00 A.M.
Conquering Incivility

Phil Richmond, DVM, CAPP, CPHSA, CPPC, CCFP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

This session will explain why civility and burnout are directly related and how civility positively impacts patient safety and clinic performance. Attendees will learn how to evaluate the level of civility in their own workplace and create an action plan to improve it.

197 9:15 – 10:15 A.M.
Avoiding Mental Traps: Don’t Believe Everything You Think!

Phil Richmond, DVM, CAPP, CPHSA, CPPC, CCFP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2

Successful communication and wellbeing are dependent on the ability to focus on solutions rather than problems, challenge our limiting beliefs, and reframe automated behaviors. In this session, attendees will learn how to become self-aware of these processes and how doing so can lead to a better understanding of clients and co-workers.

198 10:30 – 11:30 A.M.
Capitalizing on Character Strengths in Veterinary Medicine

Phil Richmond, DVM, CAPP, CPHSA, CPPC, CCFP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2

This session will provide an overview of positive psychology and the role it plays in wellbeing. Attendees will take a short assessment to uncover their own signature strengths, learn how to spot strengths in others, and explore why engaging these strengths in the workplace is vital to success.

199 1:30 – 2:30 P.M.
Successful Teams Seek Psychological Safety

Phil Richmond, DVM, CAPP, CPHSA, CPPC, CCFP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2

This session will explore the necessary ingredients for creating an environment of psychological safety, tools for assessing a veterinary team’s level of psychological safety, and interventions that can help us increase our workplace’s psychological safety.

200 2:45 – 3:45 P.M.
Me, We, and Us: The Foundation of Workplace Wellbeing

Phil Richmond, DVM, CAPP, CPHSA, CPPC, CCFP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2

A leading organizational wellbeing researcher posits that the most effective way to embed wellbeing into the workplace is by using a “me,” “we,” and “us” framework. This session will explore the factors that create

individual wellbeing (the “me” aspect); explain the importance of high-quality relationships, psychological safety, and communication (the “we” aspect); and describe the organization’s role in psychological health and safety (the “us” aspect). Attendees will also be introduced to the PERMAH theory, workplace nutrients, and wellbeing amplifiers.

201 4:00 – 5:00 P.M.
Slaying the Stigma: Alcohol and Substance Use Disorder in Veterinary Professionals

Phil Richmond, DVM, CAPP, CPHSA, CPPC, CCFP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2

This session will explain how underlying conditions can increase a person’s risk of alcohol and substance use disorders, explore the direct link between adverse childhood experiences and use disorders, and discuss the role neurotransmitters play in addiction. Attendees will also learn how to recognize the signs of alcohol and substance abuse in others and where to go to find resources for veterinarians and support staff who need help.

Workshops & Hands-On Labs

A1 12:30 – 2:30 P.M.
Resistant Realities: Antimicrobial Strategy and Stewardship in Patient Cases

Dubrasca Diaz-Campos, DVM, Ph.D.; Rikki Horne, PharmD, DICVP, FSVHP; Christy King, DVM, MPH; & Dimitria Mathys, VMD, MsPH, Ph.D.

Audience: V, T // Level: 1, 2, 3 // CE: 2 hours // Capacity: 50 // Fee: \$75 // Prerequisites: None.

Hosted as a working lunch, this interactive workshop will dive into the world of multidrug-resistant infections in companion animals. Guided by case-based scenarios, attendees will navigate real-life challenges in selecting effective antimicrobial therapies and glean invaluable insights on tailoring treatment options. The session will spotlight pearls of wisdom to optimize therapy decisions. Through collaborative problem-solving, attendees will hone their skills in combating multidrug resistance and enhancing patient care, gaining practical strategies for responsible therapy practices. *Lunch will be provided; please notify of any dietary restrictions during registration.*

Note: The Ohio Veterinary Medical Association is pleased to provide a comprehensive educational program at the Midwest Veterinary Conference. However, please be aware that OVMA does not endorse and cannot be responsible for speakers’ content.

Notes: Tracks highlighted in yellow will be recorded for the VMVC. // These descriptions have been edited; visit mvcinfo.org/education for complete details.

Animal Behavior I

300 8:00 – 9:00 A.M.

Navigating the Perfect Storm: Solutions for the Profession's Biggest Challenges

Steve Dale, CABP

Audience: V, T, HS, SS, BT // Level: 1, 2, 3

The shortage of veterinary professionals is no secret. Many industry experts are working on long-term resolutions, but the profession needs answers far sooner. This session will present five ideas that can immediately support practices dealing with the trifecta of veterinary challenges: Fewer staff, more pets, and increasingly demanding clients.

301 9:15 – 10:15 A.M.

Living and Learning with Animals, Part I: The Significance of Science

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

All animals—humans included—change their behavior due to experience. In other words, they learn. This five-part series will explore the fundamental principles of learning and behavior and the behavior change technology known as applied behavior analysis. As a result of attending this seminar, attendees will become better able to teach learners of all species, effectively and humanely. In the first session, discussion will center around understanding, predicting, and changing behavior, in light of common misunderstandings from the “cultural fog.”

302 10:30 – 11:30 A.M.

Living and Learning with Animals, Part II: The ABCs Decomposed

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

The second session in the Living and Learning with Animals series will focus on the functional assessment of behavior and environment relations. Attendees will practice using the antecedent-behavior-prediction assessment tool, which helps us answer the “why” and “when” of so-called problem behaviors.

303 1:30 – 2:30 P.M.

Living and Learning with Animals, Part III: Maximizing Reinforcement

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

In the third session of this five-part learning and behavior seminar, attendees will get an in-depth look at a model of positive behavior support, including antecedent and consequence behavior-change strategies and examples.

304 2:45 – 3:45 P.M.

Living and Learning with Animals, Part IV: Reducing Problem Behavior

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

The fourth session in the Living and Learning with Animals series will discuss principles and procedures of reducing problem behaviors, with a focus on the fallout of punishment and effective alternatives.

305 4:00 – 5:00 P.M.

Living and Learning with Animals, Part V: The Ethics of Behavior Change

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

The final hour of this five-part Living and Learning with Animals series will explore a hierarchy of behavior change procedures. Attendees will leave with a stronger ability to select training strategies according to the least intrusive principle.

Animal Behavior II

306 8:00 – 9:00 A.M.

Incorporating Behavior into Kitten Appointments

Christopher Pachel, DVM, DACVB, CABP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

In this session, we will talk through strategies for creating positive emotional responses for kittens (and clients!), for habituating kittens to routine handling and procedures, and for setting up the environment in such a way that we can be both productive and effective in our examinations. Attendees will be able to watch and evaluate video clips demonstrating these techniques to enhance their understanding.

307 9:15 – 10:15 A.M.

Translation Required: Applying the Medical Model to Behavior Cases

Christopher Pachel, DVM, DACVB, CABP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

The different methods used by veterinarians versus behaviorists can lead to “lost in translation” moments in both directions. This session will dig deeper into the medical model, translated and interpreted for behavior professionals, to better inform conversations around individual behavior cases and to achieve more effective collaborations.

308 10:30 – 11:30 A.M.

They Said What? Reading Between the Lines of Client-Submitted History Forms

Christopher Pachel, DVM, DACVB, CABP

Audience: V, T, BT // Level: 1, 2, 3

This session will dig into how you can mine client-provided information for a deeper understanding of both

the animal's behavior and the owner's perspective. Attendees will hear case examples of intake forms that proved invaluable in the assessment and management of those cases.

309 1:30 – 2:30 P.M.

Pitfalls in Canine Socialization

Christopher Pachel, DVM, DACVB, CABP

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

When it comes to canine socialization, what happens when we miss the mark? Is it possible to create problems while trying to provide socialization experiences? This presentation will focus specifically on two such potential problems: traumatic experiences and conditioned arousal. Attendees will learn how these complications may occur and find out how to avoid them.

310 2:45 – 3:45 P.M.

Canine Teenagers

Christopher Pachel, DVM, DACVB, CABP

Audience: V, T, MO, HS, SS, BT // Level: 2, 3

This presentation will take a look at what we think we know about what's happening in the brain during a dog's adolescence, as well as how this information can shape our training plans and our overall ability to successfully navigate this period.

311 4:00 – 5:00 P.M.

Prescribing for Behavior: How Do You Decide?

Christopher Pachel, DVM, DACVB, CABP

Audience: V, T // Level: 2, 3

This presentation will use clinical cases to explain the process of deciding whether medication use is appropriate for behavior cases, as well as how to make educated decisions between multiple options. The use of single pharmaceuticals will be discussed, as well as other multimodal treatments as time allows.

Aquaculture

312 8:00 – 9:00 A.M.

Fish Medicine, Part I: An Introduction

Nora Hickey, DVM

Audience: V, T // Level: 1

This introductory session will cover general classifications of fish, basic anatomy and physiology, rearing environments, common clientele, and the fundamental diagnostic approach for working up any fish case. *Note: This session is a prerequisite for Lab B3.*

313 9:15 – 10:15 A.M.

Fish Medicine, Part II: Diagnostic Techniques and Tests

Nora Hickey, DVM

Audience: V, T // Level: 1, 2

This session will cover fundamental diagnostic techniques for fish, water quality testing, and necropsy. Attendees will learn about proper sample collection for

microbiological, molecular diagnostic, and histopathologic testing, as well as how to select an appropriate testing laboratory. Advanced considerations for using diagnostic techniques—such as ultrasonography, radiography, and hematology—in fish patients will also be discussed. *Note: This session is a prerequisite for Lab B3.*

314 10:30 – 11:30 A.M.
Fish Medicine, Part III: Health Inspections and Certification Testing

Nora Hickey, DVM

Audience: V, T // Level: 1, 2

This session will cover where to find pertinent regulations for fish movement and health testing, how to perform an inspection, collecting samples for health certification testing, and submission of samples to approved laboratories for testing. *Note: This session is a prerequisite for Lab B3.*

Canine Spectrum of Care

315 8:00 – 9:00 A.M.
Canine Spectrum of Care Introduction and Overview

Steven Budsberg, DVM, M.S., DACVS

Audience: V, MO // Level: 1, 2, 3

Spectrum of care (SOC) aims to address the growing problem of affordability of veterinary care by providing a continuum of acceptable care. This continuum considers available evidence-based medicine, while remaining responsive to client expectations and financial limitations, to present several treatment options. This session will introduce attendees to SOC foundations and explore how it can be applied in a scenario involving a cranial cruciate injury in a dog.

316 9:15 – 10:15 A.M.
Veterinary Regulator Perspectives on Spectrum of Care

Beth Venit, VMD, MPH, DACVPM

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

This session will explore the regulator's perspective on spectrum of care. Attendees will learn about the disciplinary process, hear examples of cases that have gone in front of state boards, and learn why these cases did or did not receive disciplinary action.

317 10:30 – 11:30 A.M.
Therapeutic Power of Poop: How Fecal Transplant Can Expand Spectrum of Care

Jenessa Winston, DVM, Ph.D., DACVIM (SAIM)

Audience: V, T // Level: 1, 2, 3

This presentation will review the current evidence-based clinical indications for fecal microbiota transplant (FMT) in companion animals and how FMT can expand the spectrum of care. Performing FMT—from donor selection and screening, preparation of FMT

products, FMT formulations, and routes of administration—will also be discussed.

318 1:30 – 2:30 P.M.
Spectrum of Care Approaches to Dental Care with a Focus on Quality of Life

Emily McCobb, DVM, M.S., DACVAA

Audience: V, T, SS, MO // Level: 1, 2, 3

The high cost of dental procedures, the need for anesthesia, and the time and resources needed are barriers for many owners. As many dogs ideally need dental procedures as often as every year, it is essential to come up with an affordable, cost-effective approach. This session will review results from a recent research project that examined whether a simplified dental procedure could improve the quality of life for small dogs with severe dental disease.

319 2:45 – 3:45 P.M.
Spectrum of Care in Emergencies

Elizabeth Rozanski, DVM, DACVIM, DACVECC

Audience: V, T, SS, MO // Level: 1, 2, 3

This session will focus on providing a spectrum of care to dogs that present on an emergency basis and how to explain the pros and cons of available options to clients. We will also explore hospital policies and how flexibility can improve cooperation between pet owners and hospitals.

320 4:00 – 5:00 P.M.
Canine Spectrum of Care: Practical Application Panel Discussion

Steven Budsberg, DVM, M.S., DACVS (*moderator*)

Audience: V, MO // Level: 1, 2, 3

This panel discussion of speakers and practice owners will focus on the practical applications of spectrum of care in your hospital. Panelists include practice owners Drs. Mike Dyer and Robert Knapp; clinician scientist Dr. Jenessa Winston; emergency specialist Dr. Elizabeth Rozanski; and community medicine professor Dr. Emily McCobb.

Equine

321 8:00 – 9:00 A.M.
The Most Emergent Emergency: A Systematic Approach to Equine Dystocia

Katy Dern, DVM, DACVS

Audience: V, T, MO, HS // Level: 2

Early recognition and quick intervention are crucial in cases of equine dystocia. In this session, attendees will learn techniques for resolving equine dystocia, as well as when to refer and what to expect from the referral experience.

322 9:15 – 10:15 A.M.
Dynamic Endoscopy in the Sporthorse

Katy Dern, DVM, DACVS

Audience: V, T, MO, HS // Level: 2

This session will discuss the application of dynamic endoscopy in the evaluation of upper airway abnormalities in sporthorses and racehorses. Attendees will gain

insights into the case workup process and learn when dynamic endoscopy is indicated. Case examples for both common and unusual lesions will be shared.

323 10:30 – 11:30 A.M.
Laparoscopy in the Horse: When and Why Are We Using It?

Katy Dern, DVM, DACVS

Audience: V, T, MO, HS // Level: 2

This session will focus on case workup protocols and indications for laparoscopy, including but not limited to ovariectomy, cryptorchidectomy, and laparoscopic exploration. Attendees will gain practical insights into when and how to use laparoscopic techniques effectively within equine practice.

324 1:30 – 2:30 P.M.
Colic Case Studies: Lessons from the Field

Jonathan Yardley, DVM

Audience: V // Level: 1, 2

This session will provide attendees with a comprehensive understanding of real-life colic scenarios and practical knowledge to enhance their equine veterinary practice. Topics to be covered will range from fundamental approaches like managing gas colic and nasogastric intubation, to the advanced utilization of ultrasound and evidence-based diagnostic procedures.

325 2:45 – 3:45 P.M.
Navigating Medical Challenges in the Field

Jonathan Yardley, DVM

Audience: V // Level: 2

This session will focus on two major medical challenges equine practitioners may face in the field. Attendees will first learn about fever of unknown origin (FUO); the criteria for diagnosis; common causes; diagnostic workup strategies; and treatment approaches. The second half of the session will explore common ophthalmological conditions, examination techniques and tools used in the field, diagnostic challenges, and treatment options. Case examples will be presented throughout the lecture to highlight key points.

326 4:00 – 5:00 P.M.
Moonlit Medicine: Lacerations, Fractures, and Critical Decisions

Jonathan Yardley, DVM

Audience: V // Level: 2

This session will focus on emergencies involving lacerations and fractures in a late-night emergency setting. Attendees will learn about the importance of triage and prioritization, as well as how to quickly and accurately assess the injury using diagnostic tools and equipment available in the field. Various treatment options for lacerations (such as sutures, staples, and wound care) and fractures (such as immobilization and splinting) will be covered, along with techniques for managing pain and patient comfort.

Food Animal

327 8:00 – 9:00 A.M. Managing Bovine Lameness in the Field

C. Austin Hinds, DVM, M.S., DACVIM-LA

Audience: V // Level: 1, 2

In this session, we will discuss common lesions of the bovine foot and how to best manage these issues on the farm. Attendees will learn the criteria for when medical management is appropriate and when trimming is necessary. We will also explore restraint techniques, tools, trimming and paring, and surgery.

328 9:15 – 10:15 A.M. On the Farm Bovine Ophthalmology

C. Austin Hinds, DVM, M.S., DACVIM-LA

Audience: V // Level: 1, 2

In this session, we will discuss prevention and treatment of pinkeye. We will also discuss treatment of cancer eye, including when the eye needs to be removed and how to perform an enucleation.

329 10:30 – 11:30 A.M. Practical Fluid Therapy in Cattle

C. Austin Hinds, DVM, M.S., DACVIM-LA

Audience: V, T // Level: 1, 2, 3

This session will explore realistic fluid therapy plans for many common diseases. Attendees will learn techniques for administering fluid therapy in the hospital as well as on the farm, determining the most appropriate type of fluid, calculating fluid needs, and making cost-effective IV fluids for large animals.

330 1:30 – 2:30 P.M. Using Data to Inform Infectious Disease Control

Catalina Picasso, DVM, Ph.D., M.S.

Audience: V, T, MO // Level: 2, 3

Farms are continuously generating data on their animals, but what do you do with that information? This presentation will explore a variety of approaches to how farm-generated data can optimize diagnosis of diseases, health programs, and management practices at the farm level.

331 2:45 – 3:45 P.M. Foreign Animal Diseases: Getting Your Clients Ready

Andreia Arruda, DVM, M.S., Ph.D.

Audience: V // Level: 1

In the event of a foreign animal disease emergency, swine producers will need a well-thought-out enhanced biosecurity plan in order to move animals and animal products. In this session, we will discuss how mixed animal practitioners can guide their clients in preparing a Secure Pork Supply (SPS) Plan for such emergency situations. Attendees will gain resources and examples on how to get their clients started with this process.

332 4:00 – 5:00 P.M. Become a Mixed Animal Vet! Adding Poultry to Your Companion Animal Practice

Timothy McDermott, DVM

Audience: V, T, HS // Level: 1, 2

Interest in keeping backyard poultry, especially in urban areas, has been increasing, but the number of veterinarians who see poultry has not kept pace. This session will provide a foundation for adding poultry services to a companion animal practice. Attendees will learn about common backyard poultry diseases and basic diagnostic sampling techniques.

Holistic & Integrative Medicine

333 8:00 – 9:00 A.M. Acupuncture: How Does It Work?

Chelsea Dawson, DVM, MRCVS, GPCert, WVA, CPM

Audience: V, T // Level: 1, 2, 3

This session will answer questions about western veterinary acupuncture, including its neurophysiology, how and why it affects the body, and what it can be used for.

334 9:15 – 10:15 A.M. Plant-Based Medicine: Herbal Treatments for the Pain Patient

Chelsea Dawson, DVM, MRCVS, GPCert, WVA, CPM

Audience: V, T // Level: 1, 2, 3

This sessions will explore herbal options for pain management cases and discuss evidence-based herbs and supplements for pain management and overall patient support.

335 10:30 – 11:30 A.M. The Science Behind Holistic Medicine

Chelsea Dawson, DVM, MRCVS, GPCert, WVA, CPM

Audience: V, T, BT, SS, HS // Level: 1, 2

In this session is for you, attendees will explore the science (or lack thereof) behind treatments like acupuncture, herbal medicine, homeopathy, laser therapy, and more.

336 1:30 – 2:30 P.M. Time and Chiropractic Care: How Long Will the Adjustment Last?

Bill Ormston, DVM, CAC, DVETHOM

Audience: V // Level: 1

There are inherent differences in the time needed to heal vs. the time required to mask symptoms. This session will discuss how a patient's recovery may be faster with appropriate exercises and chiropractic adjustments.

337 2:45 – 3:45 P.M. Are You Telling Your Clients about Chiropractic?

Bill Ormston, DVM, CAC, DVETHOM

Audience: V, T, HS, MO // Level: 1

This session will discuss research showing how chiropractic adjustments can change brain function

and improve immunology, sympathetic responses, and physiologic reactions in the body are improved.

338 4:00 – 5:00 P.M. Why We Do The Things We Do or Why I Don't Know What I Don't Know

Bill Ormston, DVM, CAC, DVETHOM

Audience: V // Level: 1, 2

This session will look at some history of animal chiropractic to help attendees understand why more people don't use it.

Pet Animal ANESTHESIA & PAIN MANAGEMENT

339 8:00 – 9:00 A.M. The Opioid Crisis, Part I: Impact on Veterinary Medicine

Jane Quandt, DVM, M.S., DACVAA, DACVECC

Audience: V, T // Level: 2

In this session, we will examine the far-reaching effects the opioid epidemic has had on the veterinary profession. Attendees will gain insights into the practical and ethical challenges veterinary professionals face in light of the opioid crisis.

340 9:15 – 10:15 A.M. The Opioid Crisis, Part II: Alternative Analgesic Agents

Jane Quandt, DVM, M.S., DACVAA, DACVECC

Audience: V, T // Level: 2

This session will focus on pain management approaches that do not require the use of opioids, including alternative analgesic agents and constant rate infusions.

341 10:30 – 11:30 A.M. Breed-Specific Anesthesia

Jane Quandt, DVM, M.S., DACVAA, DACVECC

Audience: V, T // Level: 2

Certain breeds of dogs and cats can have specific conditions that impact anesthesia—the brachycephalic airway, for example. In this session, we will discuss ways to improve the anesthetic event.

342 1:30 – 2:30 P.M. Anesthesia for C-Sections

Jane Quandt, DVM, M.S., DACVAA, DACVECC

Audience: V, T // Level: 2

This session will discuss the intricacies of anesthesia protocols for cesarean sections in dogs, with an emphasis on improving puppy resuscitation and survival.

343 2:45 – 3:45 P.M. Anesthesia Update: What's New?

Jane Quandt, DVM, M.S., DACVAA, DACVECC

Audience: V, T // Level: 2

This session will share updates on anesthesia use in veterinary medicine, including the newest anesthetic and sedative agents and for what cases they are appropriate.

344 4:00 – 5:00 P.M.
Anesthesia for the Brachycephalic Patient

Jane Quandt, DVM, M.S., DACVAA, DACVECC

Audience: V, T // Level: 2

With the increased popularity of brachycephalic animals, more of these patients are undergoing anesthesia. In this session, we will discuss ways to improve the anesthetic event.

Pet Animal
DERMATOLOGY

345 8:00 – 9:00 A.M.
Canine Atopic Dermatitis: A Multimodal Approach

Sandra Diaz Vergara, DVM, M.S., DACVD

Audience: V, T // Level: 2

Atopic dermatitis is a complex disease involving genetics, epidermal barrier abnormalities, altered cutaneous microbiome, and hypersensitivity reactions to environmental and food allergens. Controlling as many of these factors as possible will allow for better management of the disease, minimizing side effects. This session will discuss old and new treatments available for atopic patients.

346 9:15 – 10:15 A.M.
Treatment of Autoimmune Dermatoses

Sandra Diaz Vergara, DVM, M.S., DACVD

Audience: V, T // Level: 2

Before starting treatment for autoimmune dermatoses, it is important to differentiate infections from an actual disease flare. Treatment with immunosuppressive therapy in the presence of these infections can be very harmful. This session will discuss available treatment options for management of autoimmune skin diseases.

347 10:30 – 11:30 A.M.
Chronic Otitis: Diagnosis and Management

Sandra Diaz Vergara, DVM, M.S., DACVD

Audience: V, T // Level: 2

Chronic or recurrent otitis externa can be difficult to treat, and determining why it recurs is critical to success. Once infections are cleared, maintenance and prevention protocols need to be implemented to avoid recurrence while we work up the underlying causes. This session will discuss treatment options for challenging recurrent cases of otitis externa.

348 1:30 – 2:30 P.M.
Topical Therapy for Skin Diseases

Sandra Diaz Vergara, DVM, M.S., DACVD

Audience: V, T // Level: 2

Using topical therapies can reduce the need for systemic medications and can also be less expensive, but client education is critical for compliance and success. During this session, attendees will become familiar with available topical therapy for the most common dermatologic diseases.

349 2:45 – 3:45 P.M.
Malassezia Dermatitis: Diagnosis and Treatment

Sandra Diaz Vergara, DVM, M.S., DACVD

Audience: V, T // Level: 2

Healthy dogs have *Malassezia* organisms present in small numbers on the skin. *Malassezia* infection is characterized by increased numbers of those organisms on the skin with concurrent inflammation. This session will discuss topical and systemic therapies for the management of *Malassezia* dermatitis.

350 4:00 – 5:00 P.M.
Management of Feline Atopic Skin Syndrome

Sandra Diaz Vergara, DVM, M.S., DACVD

Audience: V, T // Level: 2

The treatment of feline atopic skin syndrome (FASS) should always include the documentation and treatment of secondary bacterial or *Malassezia* infections. The presence of multiple hypersensitivities is frequent. This session will present treatment options for management of pruritus in cats with FASS.

Pet Animal
EXOTICS

351 8:00 – 9:00 A.M.
Ball Python Primer

Angela Lennox, DVM, DABVP, DECZM

Audience: V, T // Level: 1

Ball pythons are popular, easy-to-handle pets. While they are a generally hardy species, there are a number of emerging diseases that affect general health, including congenital diseases linked to color morphs. This presentation will cover husbandry, handling, diagnostic testing, and common disease presentation for ball pythons.

352 9:15 – 10:15 A.M.
Neoplasia in Reptiles: Increasing in Pet Practice

Angela Lennox, DVM, DABVP, DECZM

Audience: V, T // Level: 1, 2, 3

As reptiles increasingly present for medical care—especially older ones—the incidence of neoplasia of the skin and many other body systems has increased. This session will present an overview of neoplasia presentation, diagnosis, and treatment in commonly seen species.

353 10:30 – 11:30 A.M.
Palliative Care and Humane Euthanasia for Reptiles and Amphibians

Angela Lennox, DVM, DABVP, DECZM

Audience: V, T, HS // Level: 1, 2, 3

As more owners present pet reptiles and amphibians for medical treatment, the incidence of requests for humane euthanasia is also increasing. This session will discuss end-of-life care and considerations for this growing population of companion animals.

354 1:30 – 2:30 P.M.
Improving Skills for Reptile and Amphibian Surgery

Angela Lennox, DVM, DABVP, DECZM

Audience: V, T // Level: 1, 2, 3

This presentation will briefly cover anesthesia and analgesia for reptiles and amphibians, as well as techniques for both intracoelomic and non-coelomic surgery.

355 2:45 – 3:45 P.M.
Exotic Companion Mammal Anesthesia and Analgesia

Angela Lennox, DVM, DABVP, DECZM

Audience: V, T // Level: 1, 2, 3

Recent advances indicate multi-modal anesthesia and analgesia are effective for mitigating risk in exotic mammals species. This presentation will introduce attendees to both, including the use of constant rate infusions, partial IV anesthesia, and local analgesia.

356 4:00 – 5:00 P.M.
Managing Gastrointestinal Disease in Rabbits

Angela Lennox, DVM, DABVP, DECZM

Audience: V, T // Level: 1, 2, 3

Rabbits frequently present with symptoms related to the gastrointestinal tract. In this session, both medical and surgical management techniques for GI problems will be discussed.

Pet Animal
GENERAL SURGERY

357 8:00 – 9:00 A.M.
Surgical Decision-Making for Common Tumors: MCT and STS

John Mauterer, DVM, DACVS

Audience: V, T // Level: 1, 2

This session will cover two of the most common tumors encountered in practice: mast cell tumor (MCT) and soft tissue sarcoma (STS). Decisions on resection, surgical planning, diagnosis, and aftercare will be covered.

358 9:15 – 10:15 A.M.
Oral and Pharyngeal Conditions

John Mauterer, DVM, DACVS

Audience: V, T // Level: 1, 2, 3

This session will cover the diagnosis and treatment of a number of oral and pharyngeal conditions requiring surgery. Using case examples, the practical aspects of surgeries, their limitations, and expectations will also be discussed.

359 10:30 – 11:30 A.M.
Anal and Perianal Surgical Procedures

John Mauterer, DVM, DACVS

Audience: V, T // Level: 1, 2, 3

This case-based presentation will cover numerous anal and perineal conditions seen in practice, with a focus on diagnosis and management. Discussion will include anal

sac tumors, anal sac infections and impactions, perineal hernias, rectal polyps, corkscrew tails, and more.

360 1:30 – 2:30 P.M.
Joint Effusions and Arthropathies

John Mauterer, DVM, DACVS

Audience: V, T // Level: 1, 2, 3

This session will cover the practical clinical approach to lameness and associated joint effusions. Diagnostic techniques and interpretation for arthrocentesis will be discussed, as well as treatments. Conditions covered will include traumatic, infectious, and immune arthropathies and how to properly recognize each.

361 2:45 – 3:45 P.M.
Diagnosing that Vague Forelimb Lameness

John Mauterer, DVM, DACVS

Audience: V, T // Level: 1, 2, 3

Many practitioners encounter elusive forelimb lameness cases that can be perplexing. This session will discuss effective strategies for diagnosing and resolving these challenging lameness issues. Topics to be discussed will include physical examination techniques, radiographic insights, and methods for achieving accurate diagnoses.

362 4:00 – 5:00 P.M.
Radiographic Interpretation of Bone Lesions: A Surgeon's Perspective

John Mauterer, DVM, DACVS

Audience: V, T // Level: 1, 2, 3

This case-by-case session will explore a wide range of bone lesions, including both frequently encountered and less common, potentially overlooked conditions. Each case will include a discussion of their distinctive radiographic presentations.

Practice Management I

363 8:00 – 9:00 A.M.
Labor Costs and Efficiency in Your Practice

Brad Marconyak, CVT, CVPM

Audience: V, MO // Level: 1, 2, 3

Managing high-quality care while keeping costs in check is a delicate balance. In this session, we will dissect the critical relationship between staffing expenses and operational effectiveness. Tactics for optimizing labor allocation, streamlining workflows, and enhancing overall productivity will be explored. Attendees will also learn how to build the best team for the services their practices offer.

364 9:15 – 10:15 A.M.
Equipment as a Revenue Stream

Brad Marconyak, CVT, CVPM

Audience: V, MO // Level: 1, 2, 3

This session will unveil the true cost and ideal price of equipment to transform your clinic's assets into profit centers. We will look at real-life veterinary examples and best practices that showcase successful integration

of specialized equipment, from advanced imaging tools to in-house laboratories.

365 10:30 – 11:30 A.M.
The Basics of Strategic Pricing

Brad Marconyak, CVT, CVPM

Audience: V, MO // Level: 1, 2, 3

In this session, attendees will delve into key concepts like cost analysis and competitive benchmarking and gain an understanding of the nuances of service differentiation and its impact on pricing elasticity. Practical tips for pricing transparency that will help build client trust and loyalty will also be shared.

366 1:30 – 2:30 P.M.
Graduating from the Inventory Model and the Magic 8 Ball of Pricing

Brad Marconyak, CVT, CVPM

Audience: V, MO // Level: 1, 2, 3

In this session, we will take a deeper look into pricing with a discussion of pricing strategies that drive profitability. Attendees will explore the nuances of strategic-based pricing, competitive analysis, and consumer psychology and uncover innovative approaches to setting optimal price points that will maximize revenue.

367 2:45 – 3:45 P.M.
The True Costs of Veterinary Services: A Surgical Approach

Brad Marconyak, CVT, CVPM

Audience: V, MO // Level: 1, 2, 3

This session will dissect the complete cost structure, from direct costs like medical supplies and equipment maintenance, to indirect factors such as staff training and administrative overhead. Attendees will learn the significance of accurate cost allocation and its role in establishing fair pricing, as well as gain insights into effectively articulating the value of services while maintaining ethical pricing practices.

368 4:00 – 5:00 P.M.
Getting Staff and Client Buy In on Pricing Strategies

Brad Marconyak, CVT, CVPM

Audience: V, MO // Level: 1, 2, 3

In this session, we will explore effective communication techniques to articulate the value behind your pricing model. Attendees will learn how to foster a unified team mindset, address client concerns, emphasize the benefits, and build trust through transparency.

Practice Management II

369 8:00 – 9:00 A.M.
Leading with Emotional Intelligence

Michelle Harcha, DVM, M.A., BCC, ACC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

This session will explore the four domains of emotional intelligence (EQ) and their specific competencies that can further increase our EQ. Attendees will learn how

having a healthy EQ not only improves our leadership abilities, but more importantly, it provides methods for handling stress, managing conflict, and improving workplace relationships.

370 9:15 – 10:15 A.M.
Becoming a Resonant Veterinary Leader

Michelle Harcha, DVM, M.A., BCC, ACC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

Resonant leader has developed their emotional intelligence to lead themselves and inspire others. They take care of their well-being, so they have the energy to lead in the workplace. This lecture will explore how a leader can develop resonance with their veterinary healthcare team by taking care of their own well-being first, and then connecting with others through mindfulness, hope, and compassion.

371 10:30 – 11:30 A.M.
The Power of Questions for Leaders

Michelle Harcha, DVM, M.A., BCC, ACC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

What sets successful leaders apart is their mindset—the way they approach life's challenges. We have the power at any given moment to change our mindset by asking questions. This session will explore tools to become more self-aware and map your mindset, moment by moment. Attendees will learn how asking "switching questions" can help us to shift to a learner (open/growth) mindset, which ultimately results in an enhanced ability to lead and manage veterinary healthcare teams more effectively.

372 1:30 – 2:30 P.M.
Giving and Receiving Effective Feedback

Michelle Harcha, DVM, M.A., BCC, ACC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

Giving and receiving effective feedback is a critical skill, but many people view it as a source of conflict or even get defensive. In this session, attendees will learn how to give and receive effective feedback in order to develop a culture of trust, growth, and psychological safety.

373 2:45 – 3:45 P.M.
Moving from Destructive Conflict to Productive Conflict

Michelle Harcha, DVM, M.A., BCC, ACC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

Conflict is inevitable, but how we handle it makes all the difference. This session will explore how to establish a foundation of trust that makes productive conflict possible, as well as methods for productively resolving conflict among the veterinary healthcare team.

374 4:00 – 5:00 P.M.
Implementing the Five Behaviors of a Cohesive Team

Michelle Harcha, DVM, M.A., BCC, ACC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

The future of veterinary healthcare depends on team members working well together. Based on the book

The Five Dysfunctions of a Team by Patrick Lencioni, this session will explore the Five Behaviors™ model of trust, productive conflict, commitment, accountability, and results. Implementing these five behaviors in the workplace with ongoing training and commitment to these ideas will help us create the types of teams and workplaces we desire.

Public Health

375 8:00 – 9:00 A.M. USDA & ODA Updates

Jamie Davis, DVM, M.S. & Dennis Summers, DVM, DACVPM
Audience: V, T // Level: 1, 2, 3
Part I of this session will share news and updates from the United States Department of Agriculture's Veterinary Services (USDA VS) program. Part II will focus on news and updates from the Ohio Department of Agriculture's (ODA) Animal Health program.

376 9:15 – 10:15 A.M. ODH & CPH Updates

Sara Margrey, DVM, MPH & Aaron Messer, DVM, REHS, MPH
Audience: V, T, MO, SS // Level: 1, 2
Part I of this session will discuss current zoonotic disease statistics and trends from the Ohio Department of Health (ODH) Zoonotic Disease Program, as well as updates on current One Health and zoonotic disease projects. Part II will present a simple tool to search more than 90 worldwide zoonotic diseases according to animal class, animal type, animal disease symptoms, human disease symptoms, and reportability requirements.

377 10:30 – 11:30 A.M. Food Safety News

Robin Jordan, DVM & Hany Sidrak, DVM
Audience: V // Level: 2, 3
Part I of this session will give updates on the current state of the ODA Division of Meat Inspection and the industry that it regulates. Topics to be covered include the role of veterinarians in the growing industry, sampling and inspection methodologies, and predictions for the division going forward. In Part II, attendees will hear updates on the current state of the USDA Food Safety and Inspection Service and the industry that it regulates.

378 1:30 – 2:30 P.M. Veterinarians in Government Open Forum

Jamie Davis, DVM, M.S.; Robin Jordan, DVM; Sara Margrey, DVM, MPH; Aaron Messer, DVM, REHS, MPH; and Dennis Summers, DVM, DACVPM
Audience: V, T, MO, HS // Level: 1, 2, 3
This panel discussion will bring together representatives from USDA Animal and Plant Health Inspection Service (APHIS) and Food Safety Inspection Service (FSIS); the Ohio and Columbus health departments; and the Ohio Department of Agriculture's animal health and meat inspection divisions to answer attendee questions about the information presented in the previous sessions.

379 2:45 – 3:45 P.M. Hooks are Everywhere...Don't Go Barefoot at the Beach!

Antoinette Marsh, J.D., M.S., Ph.D.
Audience: V, T, MO, HS, SS // Level: 1
This session will highlight recent findings in the area of canine hookworms and discuss our current understanding of anthelmintic resistance, available treatments, and environmental mitigation.

380 4:00 – 5:00 P.M. A One Health Approach to the Train Derailment in East Palestine, Ohio

Sara Margrey, DVM, MPH
Audience: V, T, MO, HS, SS // Level: 1, 2, 3
One year ago, a train derailed in East Palestine, Ohio, leading to a large, multi-agency response. This presentation will discuss considerations for pets in an environmental response. Attendees will hear about the implementation of a community survey, the impact on residents' pets and livestock, lessons learned, and veterinary and public health preparation for future environmental health incidents.

Shelter Animal I

381 8:00 – 9:00 A.M. Striving to be an Employer of Choice in Nonprofit Veterinary Medicine

Jodi Buckman, CAWA and Daria McKay, B.S., M.S., RVT
Audience: V, MO, HS, SS // Level: 2
What does it take to build—and keep—a dream team in nonprofit veterinary medicine? This session will focus on how to remain operational during a doctor and technician workforce shortage, recruitment and retention strategies, and how to deliberately build a healthy workplace culture.

382-383 9:15 – 11:30 A.M. Urgent Care Community Medicine

Jodi Buckman, CAWA and Daria McKay, B.S., M.S., RVT
Audience: V, MO, HS, SS // Level: 2
The first part of this two-hour session will explore the benefits, challenges, and logistics of limiting a community veterinary hospital's scope of care to emergencies only. The second hour will focus on the business side of running a subsidized urgent care veterinary practice, including financial policies, budgeting and financials, payment plans, organization charts and staff scheduling, and working with clients on balances owed.

384 1:30 – 2:30 P.M. Building the Foundation of a Community Medicine Practice

Jodi Buckman, CAWA and Daria McKay, B.S., M.S., RVT
Audience: V, MO, HS, SS // Level: 1, 2
An increasing number of animal welfare organizations are exploring opportunities to provide veterinary services for pets and families who would not otherwise

have access to veterinary care. This session will discuss these opportunities and their challenges. Attendees will learn what questions to ask when considering the practice of community veterinary medicine, including the development of purpose and values statements, identifying which communities to engage and serve, choosing a scope of practice, raising money to support the provision of veterinary subsidized care, and how to use a multimodal approach to overcome barriers experienced by underserved communities.

385 2:45 – 3:45 P.M. Teaching and Practicing Community Medicine

Jodi Buckman, CAWA and Daria McKay, B.S., M.S., RVT
Audience: V, MO, HS, SS // Level: 1, 2
The Dumb Friends League's Veterinary Hospital is a teaching hospital located on Colorado State University's Spur campus in Denver. On-view for the visiting public, the hospital promotes the veterinary profession to the community while educating interns and externs from high school, college, post-graduate, and professional levels. This session will explore how this partnership benefits the community, the agencies involved, and the veterinary profession.

386 4:00 – 5:00 P.M. Pop-up Community Vaccine Clinics: High Impact, Low Cost

Jodi Buckman, CAWA and Daria McKay, B.S., M.S., RVT
Audience: V, MO, HS, SS // Level: 1, 2
Providing affordable vaccines for owned pets is a highly impactful service for the community. Relatively few resources are needed to make a big impact on disease prevention. This session will offer tips and tricks to host effective and efficient high-volume vaccine clinics year-round, including site selection, weather proofing, crowd management, scheduling, workflow, utilization of volunteers, adding other safety net services, and more.

Shelter Animal II

387 8:00 – 9:00 A.M. More Than Cats and Dogs: What Happens if a Chicken Comes in to the Shelter?

Timothy McDermott, DVM
Audience: V, T, HS, SS // Level: 1, 2
More and more often, shelters are forced to adapt to care for non-traditional shelter animals, including poultry. This session will discuss basic chicken husbandry, nutrition, diseases, and biosecurity, as well as precautions when chickens come to roost in your shelter.

388-389 9:15 – 11:30 A.M. Urban Livestock for Shelters: From the Suburban Pasture to the Curb

Alissa Wilhelm, DVM
Audience: V, T, SS // Level: 1
This two-part lecture will explore why farm animals are increasingly being kept as pets in the suburbs. In

the first hour, we will cover the basics of husbandry, diet, examination, and transportation of potbelly pigs, goats, sheep, and poultry. In the second session, we will discuss basic wellness plans and available resources to consult when adopting out farm animals as pets.

390 1:30 – 2:30 P.M.
Don't Fear the Bun: Low-Stress Care for Rabbits in Shelters

Susan Borders, DVM

Audience: V, MO, HS, SS, T // Level: 1, 2, 3

This session will explore how to handle and keep rabbits safe in a stressed setting, such as a shelter or rescue. Low-stress handling and safe husbandry practices will be covered, along with updates on rabbit hemorrhagic disease virus (RHDV) and other important diseases related to rescue and shelter settings.

391 2:45 – 3:45 P.M.
Common Diseases and Treatment of Urban Farm Animals

Alissa Wilhelm, DVM

Audience: V, T, SS // Level: 2

This session will provide a brief overview of the most common diseases for backyard pigs, goats, sheep, and poultry. Attendees will also learn the basics of treatment and therapy for dippity pig, blocked goats, wormy lambs, and bumblefoot.

392 4:00 – 5:00 P.M.
Urban Farm Animals: Should They Go to the Farm in the Country?

Alissa Wilhelm, DVM

Audience: V, T, SS // Level: 1

This lecture will cover the basics of neglect in farm animals and how to recognize it. Attendees will learn how to file an abuse report, what to document, client education, and rehoming considerations.

Small Ruminants

393 8:00 – 9:00 A.M.
Reproductive Research Summary

Justin Kieffer, DVM, DACVP

Audience: V, T // Level: 2

This session will cover recent research into the use of P.G. 600® (serum gonadotropin and chorionic gonadotropin) for synchronization in spring and fall breeding of sheep, as well as the evaluation of superovulation protocols in ovine embryo transfer.

394 9:15 – 10:15 A.M.
Dystocia and Cesarean Section in the Small Ruminant

Brianna Jordan, DVM, M.S.

Audience: V, T // Level: 2, 3

This presentation will explore the crucial topic of dystocia management in small ruminants, highlighting the rising demand for proficient veterinarians in large animal medicine due to the burgeoning trend of hobby

farms. Indications for cesarean sections, techniques for successful surgical intervention, and options for effective postoperative care will be covered.

395 10:30 – 11:30 A.M.
Integrated Parasite Management: On-Farm Producer Tools

Braden Campbell, Ph.D.

Audience: V, T, MO, HS // Level: 1, 2, 3

In this session, attendees will explore alternative management strategies designed to address the challenges posed by parasitic infections in small ruminant farming operations, with a focus on minimizing reliance on anthelmintics.

396–397 1:30 – 3:45 P.M.
Parasitism Refresh: Things May Have Changed Since Vet School

Michael Pesato, DVM, DABVP

Audience: V, T // Level: 1, 2, 3

With parasitism being one of the top things you will see in small ruminants, come check out this two-hour session that will review the basics and provide the most up-to-date information about those pesky parasites.

398 4:00 – 5:00 P.M.
A "Goat-to" Guide: Top Five Small Ruminant Diseases

Michael Pesato, DVM, DABVP

Audience: V, T // Level: 1, 2, 3

In this session, attendees will gain confidence in handling prevalent ailments in small ruminant practice. From understanding the nuances of diseases like caseous lymphadenitis (CLA) to caprine arthritis encephalitis (CAE), the session will discuss major disease presentations, evidence-based treatment approaches, and effective prevention strategies.

Staff Development

399 8:00 – 9:00 A.M.
A Team Approach to Preventive Care

Kate Boatright, VMD

Audience: V, T, MO, HS // Level: 1, 2

This lecture will discuss the development and implementation of preventive care protocols; team training, with a specific emphasis on leveraging veterinary technicians in a primary client education role; and marketing preventive care to clients outside the exam room.

400–401 9:15 – 11:30 A.M.
Promoting Wellbeing in the Workplace

Kate Boatright, VMD

Audience: V, T, MO, HS // Level: 1, 2

This two-part lecture will explore the state of mental health in the veterinary profession and discuss how to recognize burnout in ourselves, as well as our team. We will explore tools and skills that can be used both to recover from and prevent burnout at the individual and hospital level.

402 1:30 – 2:30 P.M.
Mentorship Matters, Part I: Supporting New Veterinarians Using the Whole Team

Kate Boatright, VMD

Audience: V, T, MO, HS // Level: 1, 2

This session will explore the challenges faced by early career veterinarians, discuss the essential components of a mentorship program, and review how each member of the team can support early career veterinarians. Participants will leave with a blueprint for developing a mentorship program that will help new veterinarians gain confidence and become superstar clinicians.

403 2:45 – 3:45 P.M.
Mentorship Matters, Part II: Top 5 Mistakes

Kate Boatright, VMD

Audience: V, T, MO, HS // Level: 1, 2

One of the top reasons for new veterinarian turnover is a lack of mentorship. If you've promised mentorship to a new hire, be sure you're ready to deliver an exceptional mentorship experience. This session will explore five common mentorship mistakes and discuss practical ways to avoid and correct them.

404 4:00 – 5:00 P.M.
Mentorship Matters, Part III: Essential Skills for Mentors

Kate Boatright, VMD

Audience: V, MO, HS // Level: 1, 2

Being a strong mentor is an art rather than a science, but it can be learned and developed. The final installment in the mentorship lecture series will use a case-based approach to discuss essential skills for mentors and explain how to enhance those skills in order to maximize your effectiveness as a mentor.

Technician I

405 8:00 – 9:00 A.M.
Fur-tified Defenses: Practical Infection Control for Small Animal Clinics

Christy King, DVM, MPH

Audience: T, HS // Level: 1, 2

In this session, attendees will explore practical infection control strategies tailored to small animal clinics. Topics to be covered include infection control and prevention protocols tailored to each phase, spanning disinfection strategies, barrier techniques, and proper equipment use.

406 9:15 – 10:15 A.M.
The Technician's Role in Dystocia and Neonatal Care

Megan Ward, RVT

Audience: T // Level: 1

Dystocia is a frequent emergency in the large animal veterinary field, and technicians assist with both vaginal extraction and cesarean sections of a variety of species. In addition to assisting with the dams, the technicians also aid the neonates. In this session, we will discuss

a technician's role in ruminant and swine dystocia, including piglet revival, premature neonatal care, and general neonatal care.

407 10:30 – 11:30 A.M.

The Technician's Role in Parasitism and Blood Transfusions

Megan Ward, RVT

Audience: T // Level: 1

Anemia is a frequently seen emergency in large animal medicine. Although it can be caused by a variety of reasons, this session will focus on anemia secondary to parasitism. Attendees will learn about common ruminant parasites, deworming options and protocols, and blood transfusions.

408-410 1:30 – 5:00 P.M.

Canine Rehabilitation

Shawn Zimmerman, RVT, CCRP

Audience: V, T // Level: 1, 2, 3

Part I: Educating Clients About Referrals will explain how to recognize patients that could benefit from physical rehabilitation, describe what is involved with a rehabilitation evaluation, and explore common modalities. **Part II: ICU and Long-Term Hospitalized Patients** will discuss types of hospitalized patients that would benefit from specific rehabilitation techniques and explore how to perform techniques that prevent common side effects of prolonged recumbency, such as pneumonia, muscle contractures, and decubitus ulcers. A variety of modalities and their uses for specific conditions will also be reviewed. **Part III: Plans for Uncommon Conditions** will explore a variety of commonly seen cases that are not commonly referred for rehabilitation. Rationale behind the need for rehabilitation and the modalities for a variety of conditions will be described. Attendees will leave with a better understanding of what types of cases can benefit from seeing a rehabilitation professional.

Technician // CYTOLOGY

411 8:00 – 9:00 A.M.

Cytology 101: Tips for Getting Started

Kate Baker, DVM, M.S., DACVP

Audience: T // Level: 2

Obtaining a quality, diagnostic cytology sample starts with application of ideal collection and preparation techniques. Additionally, when evaluating a sample microscopically, understanding what is important and what to ignore is crucial. This session will explore how to obtain a quality cytologic sample, offer advice for getting started with cytologic examination and interpretation, and review commonly confused cytologic artifacts.

412 9:15 – 10:15 A.M.

Cytology of Inflammation and Infectious Disease

Kate Baker, DVM, M.S., DACVP

Audience: T // Level: 2

Different types of inflammatory cells are uniquely adapted to deal with various pathologies that may develop in our patients. As a result, inflammatory patterns can be recognized cytologically and used as diagnostic clues to guide the veterinary team toward a diagnosis. In this session, we will examine these inflammatory patterns in both non-infectious and infectious processes.

413 10:30 – 11:30 A.M.

Cytology of Neoplasia: When Cells Go Rogue

Kate Baker, DVM, M.S., DACVP

Audience: T // Level: 2

From benign fatty tumors to life-threatening malignant cancers, neoplasia can bear a wide breadth of implications for our patients. In many cases, diagnosis of various neoplasms can be made cytologically. This session will cover the basics of cytologic investigation of neoplastic processes.

414 1:30 – 2:30 P.M.

Morphology Matters: When Red Blood Cell Abnormalities Lead to the Diagnosis

Kate Baker, DVM, M.S., DACVP

Audience: T // Level: 2

Evaluation of the blood smear is a crucial part of the diagnostic workup in patients with anemia. This session will present three patients with mystery illnesses where red blood cell morphologic abnormalities were revealed upon blood smear examination and led to a diagnosis.

415 2:45 – 3:45 P.M.

Blood Smear Bugs and Their Mimickers

Kate Baker, DVM, M.S., DACVP

Audience: T // Level: 2

In this session, we will delve into the world of hemotropic microorganisms that cause disease in dogs and cats. We will review clinical presentation, relevant CBC abnormalities, and morphologic appearance. Additionally, artifacts and "pseudo-parasites" that are commonly confused with infectious organisms will be reviewed.

416 4:00 – 5:00 P.M.

Urine Trouble: Common Mistakes and Confusions

Kate Baker, DVM, M.S., DACVP

Audience: T // Level: 2

This session will discuss common confusions and frustrations encountered in clinical practice when evaluating urine microscopically, as well as how to avoid them. Commonly misidentified microscopic elements in urine will be discussed, and attendees will learn urine preparation techniques that will aid in obtaining a quality microscopic sample.

Workshops & Hands-On Labs

B1 8:00 A.M. – 12:00 P.M.

Dental Radiographic Positioning

Jamie Berning, DVM, DAVDC & Jill Bates, RVT, VTS-Dentistry

Audience: V, T // Level: 1, 2 // CE: 4 hours // Capacity: 30 // Fee: \$550 // Prerequisites: Session 194 is required.

Complete oral health is more than what meets the eye. An essential part of the oral exam, dental radiographs allow you to see what is going on below the surface. This wet lab is designed to help the beginner- to intermediate-level technician or veterinarian to hone in on their intraoral radiology skills. In this lab, attendees will learn positioning techniques to obtain diagnostic images, determine what adjustment(s) need made to an image to correct any errors, and gain instruction on sensor placement and getting difficult radiographs.

B2 12:30 – 4:30 P.M.

Surgical Dental Extractions

Jamie Berning, DVM, DAVDC & Jill Bates, RVT, VTS-Dentistry

Audience: V // Level: 1, 2 // CE: 4 hours // Capacity: 30 // Fee: \$550 // Prerequisites: Sessions 130-135 are strongly recommended.

This hands-on lab will cover simple and surgical dental extraction techniques. Attendees will gain confidence with a variety of extraction techniques for multiple teeth, as well as the knowledge and skills necessary for managing complications associated with extractions in dogs and cats.

B3 1:30 – 4:30 P.M.

Aquaculture, Fish Necropsies, and Certification Sampling

Nora Hickey, DVM and Myron Kebus, M.S., DVM

Audience: V, T // Level: 1 // CE: 3 hours // Capacity: 30 // Fee: \$280 // Prerequisites: Sessions 312-314 are required.

Attendees will learn external and internal fish anatomy; perform a fish necropsy, including mucus, gill, and fin sample collection for wet mount microscopic evaluation; and collect samples commonly required for fish health certification testing (virology, bacteriology, and parasitology). After participating in this workshop, participants will have the required skills to perform a fish health inspection and collect appropriate samples for certification testing.

Note: The Ohio Veterinary Medical Association is pleased to provide a comprehensive educational program at the Midwest Veterinary Conference. However, please be aware that OVMA does not endorse and cannot be responsible for speakers' content.

Notes: Tracks highlighted in yellow will be recorded for the VMVC. // These descriptions have been edited; visit mvcinfo.org/education for complete details.

Animal Behavior I

500 8:00 – 9:00 A.M.

The Other Primary Reinforcer

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

From a behavior analysis perspective, the ability to learn is an evolved tool. We can enhance learning and welfare by increasing animals' control over their valued outcomes. This session will give attendees an overview of the science-based principles and practices relevant to improving learners' effectiveness by providing more control, safely and practically.

501 9:15 – 10:15 A.M.

The Rat is Never Wrong: An Introduction to Error-Reduced Learning

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

We all know the saying, "We learn from our mistakes," but too many mistakes can be punishing for animals and their trainers. In this presentation, we will discuss strategies for arranging training sessions to reduce learner error and pave the way to higher rates of positive reinforcement, stronger motivation, and faster learning.

502 10:30 – 11:30 A.M.

An Empowering Behavior Analysis View

Susan Friedman, Ph.D.

Audience: V, T, SS, BT // Level: 1, 2, 3

Are emotions pre-wired in the brain, or are they learned? Is the topic of emotions even relevant to training animals? In this session, we will focus on contemporary approaches to understanding emotions with action potential.

503 1:30 – 2:30 P.M.

Bippity Boppity Boo: The Magic of Behavioral Management

Rachel Lees, LVMT, KPA CTP, VTS (Behavior), FFCP (Veterinary), LSHC-Silver

Audience: V, T // Level: 1

This lecture will explore basic behavior management techniques, discuss how a referring clinic can work with a behaviorist on a treatment plan, and explain how to offer the best behavioral recommendations possible without overstepping their boundaries.

504 2:45 – 3:45 P.M.

To the Lobby, STAT: Using Behavioral Medicine in Emergency and Critical Care

Rachel Lees, LVMT, KPA CTP, VTS (Behavior), FFCP (Veterinary), LSHC-Silver

Audience: V, T // Level: 1

This lecture will present ways in which cooperative care can be utilized in veterinary emergency clinics, ICU departments, veterinary specialty groups, and academia on the regular. Attendees will leave with

tangible, immediate tools for using behavioral medicine in emergent and critical cases.

505 4:00 – 5:00 P.M.

Behavior Quick Tips for General Practice: Why Your Training Recommendations Matter

Rachel Lees, LVMT, KPA CTP, VTS (Behavior), FFCP (Veterinary), LSHC-Silver

Audience: V, T // Level: 1

This lecture will discuss the importance of understanding and recommending a science- and positive reinforcement-based animal trainer. Attendees will also learn why balanced pet training and traditional training methods can create a divide within the human-animal bond.

Animal Behavior II

506 8:00 – 9:00 A.M.

Top Tips for Stress-Associated Conditions in Cats

Christopher Pachel, DVM, DACVB, CABC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

How do you evaluate which therapeutic interventions are likely to impact the behavior and overall comfort of your stressed-out feline patient? This presentation will provide a comparative look at environmental modifications, pharmacological strategies, nutritional and supplement-based approaches, and behavior modification strategies for stress-associated conditions in cats.

507 9:15 – 10:15 A.M.

Don't Bite the Hand That Feeds You

Christopher Pachel, DVM, DACVB, CABC

Audience: V, T, MO, HS, SS, BT // Level: 2, 3

This presentation will discuss which aspects of resource guarding (a.k.a. "possessive aggression") may be considered "normal" and which may have other underlying influences. Discussion will focus on behavior modification and management strategies that can be used for both preventing this pattern and for intervention. Additionally, dogs showing patterns of behavior that are specific to individual resources will be compared to dogs showing a more generalized pattern. Case examples will be provided to discuss when or if medication may be helpful as part of a comprehensive intervention plan.

508 10:30 – 11:30 A.M.

Neurobiology of Canine Reactivity

Christopher Pachel, DVM, DACVB, CABC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

This presentation will redefine the term "reactivity" using examples of this response pattern across multiple contexts. We will also take a deeper dive into what is happening within the dog, looking at the "impact of arousal" as a neurobiological influence on behavior, and outline other explanations that should be considered prior to using this term for an individual animal.

509 1:30 – 2:30 P.M.

Chill Out: Incorporating Conditioned Relaxation into Behavioral Therapy

Christopher Pachel, DVM, DACVB, CABC

Audience: V, T, MO, HS, SS, BT // Level: 1, 2, 3

This presentation will discuss and demonstrate ways of conditioning a reliable relaxation response in many different patients. Practical applications for incorporating these exercises into treatment plans will also be shared.

510 2:45 – 3:45 P.M.

Bringing the Conversation out of the Shadows: Behavioral Euthanasia Considerations

Christopher Pachel, DVM, DACVB, CABC

Audience: V, T, MO, HS, SS, BT // Level: 2, 3

Behavioral euthanasia is a complicated and unavoidable subject, and it is important that the behavior consultant has a solid grasp on the factors that influence this conversation and outcomes across various circumstances. This session will discuss risk assessment and safety, the role of the pet in the household, quality of life and welfare, the impact of guilt on caregiver decision-making, and client resources.

511 4:00 – 5:00 P.M.

Prescribing for Canine Separation Anxiety

Christopher Pachel, DVM, DACVB, CABC

Audience: V, T // Level: 2, 3

This presentation will walk participants through the process of deciding whether medication use is appropriate for separation anxiety cases and how to make educated decisions between the options. In addition to the use of single pharmaceuticals such as fluoxetine and alprazolam, other treatments such as nutritional therapy, supplement use, herbal therapies, and combination therapies will be discussed as time allows.

Equine

512 8:00 – 9:00 A.M.

Acquiring and Interpreting Diagnostic Radiographs

David Dutton, DVM, DACVS

Audience: V // Level: 1, 2

This presentation will explore the process of equine diagnostic radiology, from positioning to obtaining images to interpretation.

513 9:15 – 10:15 A.M.

Equine Podiatry and Radiography

David Dutton, DVM, DACVS

Audience: V // Level: 1, 2

This session will explain the acquisition, positioning, and interpretation of equine foot radiographs. The role of the veterinarian in developing a shoeing prescription and conversation with the farrier will also be discussed.

514 10:30 – 11:30 A.M.**Lower Limb Soft Tissue Injuries**

David Dutton, DVM, DACVS

Audience: V // Level: 1, 2, 3

This presentation will cover the anatomy and physiology of the soft tissues of the lower limb, as well as factors that affect it. The goal is to assist practitioners in the choosing appropriate treatments for various lower limb soft tissue injuries in the horse.

515 1:30 – 2:30 P.M.**Use of Regional Limb Perfusion in the Distal Limb**

David Dutton, DVM, DACVS

Audience: V // Level: 1, 2

This session will explore the intricacies of regional limb perfusion in horses, focusing specifically on the lower limb. The presentation will dissect the techniques involved in regional limb perfusion, including its application, procedure, and therapeutic applications.

516 2:45 – 3:45 P.M.**Shoeing Considerations for Soft Tissue Injuries**

David Dutton, DVM, DACVS

Audience: V // Level: 1, 2, 3

This session will study the approach to managing lower limb soft tissue injuries in horses, with an emphasis on bridging the crucial connections between radiographic findings and appropriate shoeing prescriptions.

517 4:00 – 5:00 P.M.**Clinical Overview of Equine Joint Therapy**

David Dutton, DVM, DACVS

Audience: V // Level: 1, 2

This session will explore options for equine joint therapy, from traditional therapeutic methods to the cutting-edge field of orthobiologics. Attendees will gain insight on selecting the most appropriate therapy based on the condition and the individual needs of the horse.

Food Animal

518 8:00 – 9:00 A.M.**Managing Diseases of the Ruminoreticulum**

C. Austin Hinds, DVM, M.S., DACVIM-LA

Audience: V // Level: 1, 2, 3

In this session, we will discuss how to diagnose and treat common forestomach diseases in cattle, as well as surgical approaches to the rumen.

519 9:15 – 10:15 A.M.**Common Neurologic Diseases in Ruminants**

C. Austin Hinds, DVM, M.S., DACVIM-LA

Audience: V // Level: 1, 2, 3

This session will review the most common neurologic diseases and how to treat each. We will also discuss the "shotgun approach" to treating undifferentiated neurologic disease.

520 10:30 – 11:30 A.M.**Common Food Animal Procedures and Surgeries**

C. Austin Hinds, DVM, M.S., DACVIM-LA

Audience: V, T // Level: 1, 2, 3

In this session, we will discuss common food animal surgeries and procedures. Topics will include simple procedures such as IV catheterization, disbudding, and local anesthetic techniques, as well as surgical procedures like C-sections and enucleations.

521 1:30 – 2:30 P.M.**Use of Color Doppler Ultrasound in Bovine Reproduction**

Shaun Wellert, DVM, DACVPM

Audience: V // Level: 1, 2, 3

This session will cover the use of color Doppler ultrasound to assess the blood flow and function of the corpus luteum (CL). Assigning a luteal blood flow score and optimal timing for detecting non-pregnant animals sooner than traditional methods will be emphasized. Practical guidance on integration into re-synchronization strategies for beef and dairy cattle will also be provided.

522 2:45 – 3:45 P.M.**Advanced Synchronization Protocols in Beef Cattle: Worth the Hassle?**

Shaun Wellert, DVM, DACVPM

Audience: V // Level: 1, 2, 3

This session will review recent research in fixed time artificial insemination (FTAI) protocols in beef cows. Special attention will be placed on pre-synchronization strategies that optimize response to gonadotropin releasing hormone (GnRH) and increase fertility to FTAI.

523 4:00 – 5:00 P.M.**Molds and Mycotoxins in Dairy Cattle: Effects, Diagnosis, and Control**

Gustavo Schuenemann, DVM, M.S., Ph.D.

Audience: V, T // Level: 2, 3

Many feeds contain molds and mycotoxins, with negative implications on cattle health and performance. Most toxins are produced in the field, but molds could produce toxins during storage. This session will provide an overview of health effects, laboratory diagnosis, and interpretation of results, with risk levels and a practical approach to troubleshoot and control mycotoxins.

Holistic & Integrative Medicine

524 8:00 – 9:00 A.M.**Why Fascia? Connections, Communication, and Hands-on Benefits**

Laura Lee, DVM, cert. IVAS, cert. AVCA

Audience: V // Level: 1, 2, 3

This session will explore what role fascia has in health, performance, and recovery, as well as benefits of fascial therapy. Research from the 2022 Fascial Research

Congress, a triennial multi-disciplinary meeting of people working with fascia from around the world, will also be discussed.

525 9:15 – 10:15 A.M.**Myofascial Meridians: A Working System for Fascial Therapy in Dogs**

Laura Lee, DVM, cert. IVAS, cert. AVCA

Audience: V // Level: 2, 3

Myofascial meridians are a system of interconnected chains of muscles, fasciae, and bones that can be used in injury prevention, treatment, and pain reduction. This session will offer a brief introduction of this system's potential in animals, followed by case examples of how it has been used to treat unusual lamenesses, prevent recurrence, and strengthen the whole body.

526 10:30 – 11:30 A.M.**Shoulder and Scapula: Fascial Therapy for Unusual Lameness**

Laura Lee, DVM, cert. IVAS, cert. AVCA

Audience: V // Level: 2, 3

This session will focus on how to use fascial techniques to access deeper areas of the shoulder and scapula in cases of intermittent forelimb lameness. Attendees will learn how to work under the scapula and humerus to diagnose and initiate treatment of muscle strains and tears using only a pair of educated hands. Case examples will be presented to reinforce key points.

527 1:30 – 2:30 P.M.**A Fascial Approach to Intervertebral Disc Disease and Other Spinal Diseases**

Laura Lee, DVM, cert. IVAS, cert. AVCA

Audience: V // Level: 3

Neurological spinal cord disease can be one of the most painful conditions animals present for in veterinary practice, and multi-modal pain control is often required. This session will explore how fascial therapy can be used at any stage of the disease to bring relief. Cases from the speaker's practice will be discussed.

528 2:45 – 3:45 P.M.**An Epidemic of Canine Cruciate Ligament Disease? Fascial Treatment Options**

Laura Lee, DVM, cert. IVAS, cert. AVCA

Audience: V // Level: 3

This session will explore various treatment options for canine cranial cruciate ligament disease, from strain to full rupture, and explain why it has become the most common orthopedic condition in dogs. Case examples will be discussed to illustrate important points.

529 4:00 – 5:00 P.M.**Lumbosacral Hyperextension and Hip Dysplasia Hypothesis for Happier Old Dogs**

Laura Lee, DVM, cert. IVAS, cert. AVCA

Audience: V // Level: 3

Many canine athletes with recurrent back pain or intermittent hind limb lameness and an inability to perform also show radiographic evidence of lumbosacral

disease and mild hip dysplasia. This session will explore possible causation, using myofascial meridians to find the linkages, and map out treatment and training strategies to return the dog to athletic performance. Case examples showing the effectiveness of treatment will be discussed.

Pet Animal CARDIOLOGY

530-531 8:00 – 10:15 A.M.

Feline & Canine Electrocardiograms: Recognition and Treatment of Common Arrhythmias

Jaylyn Rhinehart, DVM, M.S., DACVIM

Audience: V, T // Level: 1, 2, 3

In these interactive electrocardiogram (ECG) reading sessions, attendees will learn the approach to ECG interpretation and treatment of common arrhythmias in cats (Session 530) and dogs (Session 531). Topics to be discussed include technical aspects of recording an electrocardiogram, systematic approach to ECG interpretation, differentiating artifact from an arrhythmia, and identifying common rhythm disturbances and their appropriate treatments.

532 10:30 – 11:30 A.M.

Fainting Dogs and Cats: Causes and Diagnostic Approach

Jaylyn Rhinehart, DVM, M.S., DACVIM

Audience: V, T // Level: 1, 2, 3

This session will discuss the clinical characteristics of syncope in small animals; differentiate it from seizures; and explain cardiovascular causes, including arrhythmias, congenital heart disease, and acquired heart diseases. Attendees will also learn the diagnostic approach to syncope in dogs and cats.

533 1:30 – 2:30 P.M.

Mitral Valve Disease in Dogs: Update on Diagnosis and Management

Jaylyn Rhinehart, DVM, M.S., DACVIM

Audience: V, T // Level: 1, 2, 3

In this session, the speaker will review the most up-to-date classification of myxomatous mitral valve disease (MMVD) in dogs. A diagnostic approach geared toward general practitioners will be discussed, as well as treatment recommendations, with an emphasis on when pimobendan should be initiated. Clinical consequences of MMVD will be discussed, and diagnostic and treatment strategies will be emphasized through a case-based approach.

534 2:45 – 3:45 P.M.

Cardiomyopathy in Cats: REVEALing Updates

Jaylyn Rhinehart, DVM, M.S., DACVIM

Audience: V, T // Level: 1, 2, 3

This session will review the most up-to-date classification of cardiomyopathy in cats. Diagnostic testing, including imaging and cardiac biomarkers, and

treatment recommendations will be discussed using a case-based approach. Clinical consequences and prognosis will also be covered, with an emphasis on the results of the REVEAL study, a global collaborative project aimed at better understanding the progression of hypertrophic cardiomyopathy in cats.

535 4:00 – 5:00 P.M.

Dilated Cardiomyopathy in Dogs: Causes, Diagnosis, and Treatment

Jaylyn Rhinehart, DVM, M.S., DACVIM

Audience: V, T // Level: 1, 2, 3

In this session, the speaker will discuss various causes of dilated cardiomyopathy (DCM) in dogs and diagnostic strategies to use in practice. Updates on dietary-associated DCM will be shared, and clinical consequences and treatment strategies will be explored in a case-based approach.

Pet Animal CRITICAL CARE & EMERGENCY

536 8:00 – 9:00 A.M.

Shock Physiology: Recognition and Therapy in the Small Animal Patient

Page Yaxley, DVM, DACVECC

Audience: V // Level: 1, 2

This session will focus on the physiology of maintaining oxygen delivery and what happens when the system decompensates. Attendees will review basic physiology, including compensatory mechanisms, and clinical signs. Using this basis, categories of shock will be reviewed. Lastly, attendees will review strategies for the reversal and treatment of shock in order to restore normal oxygen delivery.

537 9:15 – 10:15 A.M.

Approach to the Small Animal Respiratory Distress Patient

Page Yaxley, DVM, DACVECC

Audience: V // Level: 1, 2

This session will review various presentations of respiratory distress patients and describe how this is different based on anatomic location of the problem. Using this information, attendees will be able to quickly narrow down the list of differentials in order to make better clinical decisions for the treatment and care of the respiratory patient.

538 10:30 – 11:30 A.M.

Management of the Small Animal Acute Abdomen

Page Yaxley, DVM, DACVECC

Audience: V // Level: 1, 2

One of the most common presenting complaints to a small animal emergency room is an acute abdomen. This presentation will begin with a review of triage, assessment, and stabilization of the acute abdomen patient. Attendees will review systematic differentials,

as well as diagnostic tests for determining underlying etiology. Principles of management in medical and surgical abdomens will also be discussed.

539 1:30 – 2:30 P.M.

Decreasing Surgical Morbidity in the Small Animal Emergency Patient

Page Yaxley, DVM, DACVECC

Audience: V // Level: 2

Critical assessment of the surgical patient enhances perioperative stability and allows clinicians to anticipate potential complications. Knowledge of shock, systemic inflammatory response syndrome (SIRS), and sepsis pathophysiology will aid in resuscitation and early identification of risk factors for complications. In this session, attendees will review strategies for detection and timely management of sepsis in the perioperative surgical patient and review ways to reduce morbidity and improve outcomes.

540 2:45 – 3:45 P.M.

Practical Approaches to Diagnosing and Treating Sepsis

Page Yaxley, DVM, DACVECC

Audience: V // Level: 2

Sepsis is an immediately life-threatening condition that can stem from a wide array of underlying causes. This session will review the pathophysiology of systemic inflammatory response and sepsis. Attendees will learn how to rapidly work up and diagnose a patient with suspected sepsis and use goal-directed therapy to aid in treatment.

541 4:00 – 5:00 P.M.

Tales from the Trenches: Case Review

Page Yaxley, DVM, DACVECC

Audience: V, T // Level: 1, 2, 3

This session will review one or more interesting cases presented to a small animal emergency room. Participants will glean key information from history and physical exam findings in order to make quick decisions on how best to stabilize the patient and get to the diagnosis. Attendees will also learn what treatments were successful in these seemingly hopeless cases.

Pet Animal ENDOCRINOLOGY

542 8:00 – 9:00 A.M.

Updates on Hypoadrenocorticism

Daniel Langlois, DVM, DACVIM

Audience: V // Level: 2

This session will explain how to recognize the clinical and laboratory features of Addison's disease, including the "non-classic" signs of glucocorticoid deficiency. Attendees will also learn strategies for mitigating treatment costs and the need for frequent monitoring.

543 9:15 – 10:15 A.M.
Hyperadrenocorticism, Part I: Recognition and Diagnostic Testing

Daniel Langlois, DVM, DACVIM

Audience: V // Level: 2

In this session, attendees will learn which clinical and laboratory features indicate testing for hyperadrenocorticism and which should prompt other diagnostics. The diagnostic performance of various Cushing's disease tests will be explained, as well as how to select the appropriate test for your patient. Finally, the session will explore the use of complementary diagnostics to better characterize Cushing's disease.

544 10:30 – 11:30 A.M.
Hyperadrenocorticism, Part II: Management and Monitoring

Daniel Langlois, DVM, DACVIM

Audience: V // Level: 2

This session will focus on medical and definitive treatment options for hyperadrenocorticism, along with the recommended methods for monitoring these treatments. Topics to be covered will include comparative aspects of Lysodren (mitotane) and trilostane, dosing considerations for trilostane, the potential role of definitive treatment, and controversies surrounding monitoring practices.

545 1:30 – 2:30 P.M.
Feline Adrenal Disease

Daniel Langlois, DVM, DACVIM

Audience: V // Level: 2

Feline adrenal tumors are increasingly recognized in veterinary practice, yet the etiology is unlike what is frequently observed in dogs. The primary focus of this lecture will be to discuss aldosterone-secreting and other related adrenocortical tumors in cats, with an emphasis on several recently published studies of this syndrome.

546 2:45 – 3:45 P.M.
Approach to the Complicated Diabetic

Daniel Langlois, DVM, DACVIM

Audience: V // Level: 2

This lecture will explain how to develop and implement an appropriate management plan for the poorly controlled diabetic pet. In addition, recent developments in diabetic management for dogs and cats will be presented, with the goal that these new strategies can be implemented in practice.

547 4:00 – 5:00 P.M.
Case-Based Approach to Hypercalcemia in Dogs

Daniel Langlois, DVM, DACVIM

Audience: V // Level: 2

Hypercalcemia is a commonly encountered lab abnormality that is often indicative of a severe underlying disease process. In this session, attendees will gain familiarity with diagnostic test interpretation and treatment basics in dogs with hypercalcemia.

Pet Animal
FELINE

548 8:00 – 9:00 A.M.
Nutrition in Feline CKD: Calories, Calcium, and Phosphorus

Jessica Quimby, DVM, Ph.D., DACVIM

Audience: V, T // Level: 1, 2, 3

This presentation will discuss possible pathophysiologic mechanisms of inappetence in cats with chronic kidney disease (CKD), research on management of nausea and inappetence, and nutritional goals for these patients. Calcium-phosphorus physiology and recent concerns about hypercalcemia in CKD will also be discussed.

549 9:15 – 10:15 A.M.
Updates on Feline CKD Management

Jessica Quimby, DVM, Ph.D., DACVIM

Audience: V, T // Level: 1, 2, 3

This session will highlight updates on medical management of CKD, including hydration, hypertension, proteinuria, and more. Special emphasis will be placed on factors that may be important for quality of life, such as anemia, appetite, and hydration.

550 10:30 – 11:30 A.M.
A New Approach to Managing Anemia in Feline CKD

Jessica Quimby, DVM, Ph.D., DACVIM

Audience: V, T // Level: 1, 2, 3

This session will review the prevalence of anemia of CKD, the pathophysiology of regulation of RBC production, and potential negative effects of anemia on the patient. Attendees will learn how to implement different treatment options, along with monitoring guidelines for these options.

551 1:30 – 2:30 P.M.
The Gut-Kidney Axis: Clinical Implications

Jessica Quimby, DVM, Ph.D., DACVIM

Audience: V, T // Level: 1, 2, 3

This session will explore the gut-kidney axis and the bidirectional effects on organ health. Negative consequences of uremic toxins and potential management strategies will be discussed, as well as constipation and its role in the gut-kidney axis.

552 2:45 – 3:45 P.M.
Between a Rock and a Hard Place: Ureteral Obstruction

Jessica Quimby, DVM, Ph.D., DACVIM

Audience: V, T // Level: 1, 2, 3

In this session, attendees will review diagnostic considerations for identifying ureteral obstruction, compare and contrast therapeutic options and outcomes, and appreciate variable outcomes through case examples.

553 4:00 – 5:00 P.M.
Gabapentin Use in Cats With and Without CKD

Jessica Quimby, DVM, Ph.D., DACVIM

Audience: V, T // Level: 1, 2, 3

This session will review the various indications for gabapentin use in cats, explain the impact of kidney disease on drug elimination, and offer recommendations for altered dosing in specific patient populations.

Practice Management!

554 8:00 – 9:00 A.M.
DEA Compliance, Part I: Why the Concern?

Lauren Forsythe, PharmD, DICVP

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

This session will discuss how the opioid epidemic connects to veterinary medicine as the context for why controlled substance regulations are critical. The session will then focus on the incidence of in-hospital drug diversion, how to identify it, and how to prevent it.

555 9:15 – 10:15 A.M.
DEA Compliance, Part II: Drug-Seeking Clients

Lauren Forsythe, PharmD, DICVP

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

This session will look at drug diversion incidence and prevention from the perspective of clients that are diverting their pets' medications. Signs that a client may be diverting controlled substances, the applicability of the Prescription Drug Monitoring Program (PDMP), and prescribing/dispensing practices that help prevent diversion will be covered.

556 10:30 – 11:30 A.M.
DEA Compliance, Part III: Regulations and Compliance

Lauren Forsythe, PharmD, DICVP

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

This session will review specific DEA regulations to provide ideas for compliance. Various nuances that present compliance difficulties will also be considered. The session will focus on providing perspective on what DEA regulations do and do not clearly explain, as well as practical tips for staying in compliance.

557 1:30 – 2:30 P.M.
To Err is Human

Lauren Forsythe, PharmD, DICVP

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

This session will provide an introduction into medical errors, contributing factors, steps for handling them when they occur, and best practices for prevention. Topics will be framed with the available veterinary medicine literature on medical errors, with an emphasis on supporting the people involved in the error.

558 2:45 – 3:45 P.M.**Compounded Medications, Part I: Balancing Benefits and Risks**

Lauren Forsythe, PharmD, DICVP

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

This session will identify the pros and cons of commonly compounded drugs and outline risks the risks involved with their use. Participants will learn what to consider before using compounded products and criteria for ensuring the product is the best option to meet the specific needs of the individual patient.

559 4:00 – 5:00 P.M.**Compounded Medications, Part II: Risky Dosage Forms**

Lauren Forsythe, PharmD, DICVP

Audience: V, T, MO, HS, SS // Level: 1, 2, 3

In this session, attendees will learn what makes a dosage form high risk, review additional considerations for transdermal compounds, and find out what to look for in a compounding pharmacy.

Practice Management II**560** 8:00 – 9:00 A.M.**Why Numbers Matter: The Value of Metrics**

Travis Meredith, DVM, MBA, DACT

Audience: V, MO // Level: 1, 2

Objective, accurate measurements of performance—in other words, metrics—provide a groundwork for making changes in any veterinary practice. This session will explain the value that improved insights bring to you and your teams. Attendees will explore the role of metrics in the different areas of daily practice and learn what the numbers are really saying.

561 9:15 – 10:15 A.M.**Demystifying the Numbers, Part I: Understanding Financial Statements**

Travis Meredith, DVM, MBA, DACT

Audience: V, MO // Level: 1, 2

Financial statements tell the story behind how healthy your veterinary practice is as a business. This session will review what financial statements are, what information they contain, and how to turn this information into action.

562 10:30 – 11:30 A.M.**Demystifying the Numbers, Part II: Sharing Metrics with Staff**

Travis Meredith, DVM, MBA, DACT

Audience: V, MO // Level: 1, 2

To make metrics valuable and actionable, you need to make them relevant to your entire team, from doctors to kennel staff. This session will offer techniques for sharing metrics with the different players on your team and ways to make it relevant for everyone.

563 1:30 – 2:30 P.M.**What Should You Measure? The Top Five Drivers to Practice Health**

Travis Meredith, DVM, MBA, DACT

Audience: V, MO // Level: 1, 2

With so many different things that can be tracked, analyzed, calculated, and reported, how do we know what information should be studied at your practice? This lecture will focus on identifying the most valuable data to follow within your own practice, how to readily access the underlying data and/or reports, and how to effectively use them to make positive changes in the way your practice operates.

564 2:45 – 3:45 P.M.**Big Data for Small Business Owners: Turning Noise Into Knowledge**

Travis Meredith, DVM, MBA, DACT

Audience: V, MO // Level: 1, 2

This lecture will share tools for filtering through financial and hospital reporting formats, identifying critical information, and putting them to work in your own practice.

565 4:00 – 5:00 P.M.**Making the Numbers Work for You: From Compliance to Creating New Business**

Travis Meredith, DVM, MBA, DACT

Audience: V, MO // Level: 1, 2

This session will tie together all the content presented in the previous sessions, so attendees can leave with a clearly defined plan for their practice. Topics will include creating your own dashboard and practice report card, how to present up the responsibility chain, developing effective team-based incentives, and setting appropriate goals for your team.

Public Health**566** 8:00 – 9:00 A.M.**OMGiardia: Zoonotic Implications of Giardia in Dogs and Cats**

Meriam Saleh, Ph.D.

Audience: V, T, HS, SS // Level: 1, 2

This session will take a closer look at the public health significance of *Giardia* in companion animals. Attendees will learn about the diagnostic utility of *Giardia* genotyping; the implications of identifying zoonotic versus host-adapted assemblages (spoiler: it's not black and white); and best practices for treatment, prevention, and keeping your team and the clients safe from potential zoonosis.

567 9:15 – 10:15 A.M.**What Makes You Tick?**

Meriam Saleh, Ph.D.

Audience: V, T, HS, SS // Level: 1, 2

This session will focus on the most common tick species infesting companion animals in the U.S., where they

are found across the country, how to identify them, and why identifying tick species matters. Strategies for tick control and prevention for both pets and people will also be discussed.

568 10:30 – 11:30 A.M.**Echinococcus: Not Just a Regional Concern**

Meriam Saleh, Ph.D.

Audience: V, T // Level: 1, 2

This session will cover the zoonotic tapeworms *Echinococcus spp.*, found in North America, and take a closer look at the increasing reports of canine alveolar echinococcosis throughout the United States and Canada. *Echinococcus* testing, treatment, and prevention strategies will also be covered.

569 1:30 – 2:30 P.M.**Preventing Foodborne Parasitic Infections**

Meriam Saleh, Ph.D.

Audience: V, T, HS, SS // Level: 1, 2

There are several parasites of concern that people can get via foodborne transmission. This session will review a variety of foodborne parasitic infections, including *Toxoplasma gondii*, *Taenia solium*, *Taenia saginata*, *Trichinella*, *Angiostrongylus cantonensis*, and *Fasciola hepatica*, with special emphasis on prevention.

570 2:45 – 3:45 P.M.**Zoonotic Intestinal Parasites in Companion Animals**

Meriam Saleh, Ph.D.

Audience: V, T // Level: 1, 2

This session will focus on the most common intestinal parasites of dogs and cats that also carry a significant zoonotic risk to people. Diagnostic techniques and treatment options will be discussed, with special attention on drug-resistant hookworms. Parasites covered will include hookworms, roundworms, and flea tapeworm.

571 4:00 – 5:00 P.M.**Current Influenza Outbreaks in Wild Birds and Commercial Poultry**

Jaqueline Nolting, Ph.D.

Audience: V, T, MO // Level: 1, 2

In this session, we will discuss both the history and current status of the highly pathogenic H5 influenza outbreak, in addition to its impact on public health.

Shelter Animal I**572** 8:00 – 9:00 A.M.**Access to Care: Key Barriers and Hot Topics**

Robyn Jaynes, DVM; Heidi Marston; & Kate Natrass Atema

Audience: V, T, MO, SS // Level: 1, 2, 3

This session will focus on national-level data outlining the scope of the access to veterinary care crisis, focusing on specific populations with key barriers. We will discuss some of the keywords and hot topics in the conversation and outline solutions that may address these barriers.

573 9:15 – 10:15 A.M.**Economic Models for Low-Cost Vet Care**

Robyn Jaynes, DVM; Heidi Marston; & Kate Natrass Atema

Audience: V, T, MO, SS // Level: 1, 2, 3

This session will focus on the economics of low-cost veterinary care, including how low-cost clinics are able to operate sustainably, key drivers of success, and important decision points in designing clinics focusing on providing a range of care to as many people as possible. We will discuss key risks, as well as techniques used by the many clinics successfully serving populations that could not otherwise afford full-cost veterinary care.

574 10:30 – 11:30 A.M.**Making Veterinary Medicine More Accessible**

Robyn Jaynes, DVM; Heidi Marston; & Kate Natrass Atema

Audience: V, T, MO, SS // Level: 1, 2, 3

This session will take a deep dive into some of the hottest topics in veterinary medicine and veterinary education right now, including telemedicine and spectrum of care. We will discuss how these methods can help practicing veterinarians increase their efficiency and ability to care for pets whose owners are unable to afford high-end veterinary care.

575 1:30 – 2:30 P.M.**Shelter Diversion and Community Support**

Robyn Jaynes, DVM; Heidi Marston; & Kate Natrass Atema

Audience: V, T, MO, SS // Level: 1, 2

This session will focus on the many ways shelter medicine teams are evolving into community medicine, as well as other support services needed to ensure that pets stay with their families and out of shelters that don't serve them well.

576 2:45 – 3:45 P.M.**Client-Centered Practice in Veterinary Medicine and Sheltering**

Robyn Jaynes, DVM; Heidi Marston; & Kate Natrass Atema

Audience: V, T, MO, SS // Level: 1, 2

This session will focus on how veterinary staff and operators can ensure they are reaching vulnerable populations through their messaging, creating a welcoming environment, and providing trauma-informed care. We will consider the many types of pet owners, the strength of the bonds with their pets, and ways the veterinary community can help overcome the barriers many vulnerable pet owners face in accessing veterinary care.

577 4:00 – 5:00 P.M.**Putting Accessibility Into Practice: Barriers and Potential Solutions**

Robyn Jaynes, DVM; Heidi Marston; & Kate Natrass Atema

Audience: V, T, MO, SS // Level: 1, 2, 3

This session will bring the previous sessions together, focusing on what the veterinary and shelter teams can do to help bridge gaps to accessing to veterinary care in their communities.

Shelter Animal II**578** 8:00 – 9:00 A.M.**Effective Care in a Spectrum of Care**

Emily McCobb, DVM, M.S., DACVAA

Audience: V, T // Level: 1, 2

The ability to obtain lower cost, less technologically complex—yet still effective—veterinary care can reduce financial barriers that prevent some clients from getting care for their pets. This session will describe how a “spectrum of care” approach can help reduce costs and improve the care we provide our clients and patients.

579 9:15 – 10:15 A.M.**Reproductive Emergencies in a Shelter or Community Medicine Setting**

Emily McCobb, DVM, M.S., DACVAA

Audience: V, T // Level: 1, 2

Underserved pet owners are more likely to have intact animals and to face life-threatening reproductive emergencies in their pets—all while struggling to afford necessary care. This talk will describe how community veterinarians in shelters and low-cost clinics can assist with these cases by providing high-quality care in an outpatient setting.

580 10:30 – 11:30 A.M.**Pain Management on a Budget**

Emily McCobb, DVM, M.S., DACVAA

Audience: V, T // Level: 1, 2

Pain management is an important part of any perioperative protocol, and there are an increasing number of pain management techniques and options for every budget. This talk will describe cost-effective strategies for managing acute and chronic pain in a resource-limited environment.

Small Ruminants**581–582** 8:00 – 10:15 A.M.**Turn the Sirens Off: Setting Up a Herd Health Program**

Michael Pesato, DVM, DABVP

Audience: V, T // Level: 1, 2, 3

This two-part session will focus on working with producers to develop a herd health plan. We will go over setting up the initial VCPR, establishing treatment protocols, keeping records, and everything in between! In the first hour, we will dive into setting up the VCPR and discuss where to get started on the farm.

583 10:30 – 11:30 A.M.**Goats Will Eat Anything, But Should They? Toxic Plants and Small Ruminants**

Michael Pesato, DVM, DABVP

Audience: V, T // Level: 1, 2, 3

Small ruminants are often thought of as indiscriminate eaters, but there are some deadly consequences if they eat the wrong thing! This session will identify common

toxic plants to keep sheep and goats away from and describe what practitioners should look out for.

584 1:30 – 2:30 P.M.**Secure Sheep and Wool Supply: What You Need to Know**

Eric Gordon, DVM, DACVPM

Audience: V, T, MO // Level: 1

This session will discuss the components of the voluntary Secure Sheep and Wool Supply (SSWS) Plan that producers need to comply with in order to protect their operations and maintain continuity of business. Key components of the program—including surveillance, tracing, quarantine, movement control, business continuity, and emergency response—will be highlighted. Information about the veterinarian's role in the SSWS will also be outlined.

585 2:45 – 3:45 P.M.**Common Problems Associated with Geriatric Camelids**

Jeffrey Lakritz, DVM, Ph.D., DACVIM-LA, DACVCP

Audience: V // Level: 1, 2

This case-based presentation will cover common disorders of older camelids, including fetlock hyperextension, cervical vertebral disease, cruciate ligament issues, parasitism, respiratory disorders, esophageal obstruction and megaesophagus, GI obstructions, and neurologic disease.

586 4:00 – 5:00 P.M.**Goofy Goats and Crazy Camelids: Neurologic Conditions in Small Ruminants**

Margaret Masterson, DVM, M.S., DACVPM

Audience: V, T, HS // Level: 2, 3

This session will cover neurologic conditions often encountered in small ruminants, including polio, listeria, encephalitis, caprine arthritis and encephalitis (CAE), enzootic ataxia, scrapie, meningitis, and rabies. Attendees will learn about diagnosis, treatment, and supportive measures that can easily be undertaken in the field.

Staff Development**587–592** 8:00 A.M. – 5:00 P.M.**Unleash Your Inner Leader**

Peg Buehrle, B.S. and Michelle Calcasola, B.S.

Audience: V, T, MO, HS // Level: 2, 3

This interactive, all-day seminar will empower attendees to become the leaders they were always meant to be! **Part I: Empower Your Mind for Success** will share mental tools to help attendees navigate challenges, inspire their team, and drive success. **Part II: The Power of Effective Communication** will explore the art of effective team communication, from active listening to constructive dialogue. **Part III: Embracing Behavior Profiles** offer a comprehensive explanation of human behavior, including communication styles,

motivations, and preferences. **Part IV: Developing Your EQ** will empower attendees to build stronger relationships, enhance collaboration, and excel in both their professional and personal life. **Part V: Mastering Crucial Conversations** will equip participants with the skills needed to navigate challenging dialogues and foster an environment of open and honest communication. Finally, in **Part VI: Managers vs. Leaders**, attendees will explore the distinctions between managerial roles and leadership positions, including the diverse skill sets required for effective management and inspirational leadership.

Technician I

593 8:00 – 9:00 A.M.

Tech Savvy: Chart the Course for Your Career

Moderator TBA

Audience: T, HS // Level: 1, 2

In an ever-evolving industry, the career opportunities for technicians expand every day. This session will be an open panel discussion of technicians who have advanced their career beyond general practice. Panelists include Garnetta Santiago and Sarah Hill (lab, corporate), Monica Bode (education), and Galie Bowersmith (hospital director).

594 9:15 – 10:15 A.M.

Improving Teams Through EQ, Cultural Competency, and Communication

Garnetta Santiago, M.A., LVT

Audience: V, T, HS, MO // Level: 1, 2

In this presentation, attendees will learn the fundamentals of emotional intelligence; explore cultural competency and ways we can grow our individual competency awareness; and discuss microaggressions and how they undermine team morale and the delivery of medical care.

595 10:30 – 11:30 A.M.

The Impact of Unconscious Communication Patterns on Wellbeing

Garnetta Santiago, M.A., LVT

Audience: V, T, HS, MO // Level: 1, 2

This presentation will define the nuances of microaggressions, explore how they impact interpersonal communications, and identify what our collective and individual responsibilities are in addressing them as part of promoting wellbeing among our veterinary colleagues.

596 1:30 – 2:30 P.M.

Don't Blame the Instruments: Testing and Inspecting Instruments

Rick Schultz

Audience: V, T, MO, HS // Level: 1, 2, 3

This session will explain the necessary steps of instrument care, the proper names, inspection points, and testing of various surgical and orthopedic instruments.

597 2:45 – 3:45 P.M.

Microlab Relationship Status...It's Complicated: Troubleshooting Sample Submission

Joany van Balen, DVM, Ph.D.

Audience: V, T // Level: 1, 2

This session will discuss optimal techniques for obtaining various microbiology samples. Attendees will gain practical tips for minimizing pre-analytical errors and ensuring sample integrity, leading to more reliable results and better patient outcomes.

598 4:00 – 5:00 P.M.

I Need That Redrawn: The Importance of Proper Specimen Collection

Lindsay Blackburn, MBA, MLT (ASCP) & Laurie Millward, DVM, M.S., DACVP

Audience: V, T, HS, SS // Level: 1

More than 60 percent of laboratory error is due to pre-analytical error. This session will cover ways to improve the pre-analytical phase of diagnostic testing, from patient preparation to sample submission.

Technician II EXOTICS

599 8:00 – 9:00 A.M.

Husbandry and Common Conditions of Reptiles and Amphibians

Nicholas Jew, DVM

Audience: V, T // Level: 1, 2, 3

The vast majority of illness in captive reptiles and amphibians is directly linked to inappropriate or incomplete husbandry. This session will focus on science-based husbandry of reptiles and amphibians and discuss common disease conditions.

600 9:15 – 10:15 A.M.

Husbandry and Common Conditions of Guinea Pigs and Chinchillas

Nicholas Jew, DVM

Audience: V, T // Level: 1, 2, 3

This session will discuss appropriate husbandry for guinea pigs and chinchillas, with emphasis on common medical conditions and how husbandry may affect the outcome with treatment.

601 10:30 – 11:30 A.M.

Husbandry and Common Conditions of Rabbits

Nicholas Jew, DVM

Audience: V, T // Level: 1, 2, 3

This session will focus on providing appropriate husbandry for house rabbits, as well as common medical conditions they may present for in practice, including GI stasis and obstructions, respiratory illness, and more.

Note: The Ohio Veterinary Medical Association is pleased to provide a comprehensive educational program at the Midwest Veterinary Conference. However, please be aware that OVMA does not endorse and cannot be responsible for speakers' content.

602 1:30 – 2:30 P.M.

Husbandry and Common Conditions of Ferrets and Hedgehogs

Nicholas Jew, DVM

Audience: V, T // Level: 1, 2, 3

This session will focus on the husbandry and common disease conditions of ferrets and hedgehogs. Educating clients on the proper care of these carnivores will also be covered, as well as common diseases and how to approach them in the clinic.

603 2:45 – 3:45 P.M.

Exotic Animal Triage, Emergency, and Critical Care

Nicholas Jew, DVM

Audience: V, T // Level: 1, 2, 3

This session will discuss triage, common emergency presentations, and emergency care of exotic companion mammals, reptiles, amphibians, and avian species. While diagnostic evaluation will be discussed, it will be limited to tests that will immediately alter how the patient is treated upon presentation.

604 4:00 – 5:00 P.M.

Venipuncture and Catheters in Exotic Pets

Nicholas Jew, DVM

Audience: V, T // Level: 1, 2, 3

This session will focus on venipuncture of exotic companion mammals, reptiles, amphibians, and avian species. Placing intravenous and intraosseous (IV/IO) catheters for hospitalized patient treatment and fluid administration will also be discussed.

Workshops & Hands-On Labs

C1 8:30 – 11:30 A.M.

Digital Cytology in Clinical Practice: How to Capture Diagnostic Images Using a Smartphone

Laurie Millward, DVM, M.S., DACVP & Maxey Wellman, DVM, M.S., Ph.D., DACVP (Clinical Pathology)

Audience: V, T // Level: 1, 2, 3 // CE: 3 hours // Capacity: 30 // Fee: \$100 // Prerequisites: Attendees should bring a fully charged smartphone.

In this interactive workshop, attendees will learn how to use their smartphone to capture diagnostic images from prepared glass slides. Participants will get hands-on experience using high-quality, dual-headed microscopes with one-on-one instruction from instructors. The overall goal is for all attendees to gain confidence in how to find a diagnostic area on a glass slide and capture both low- and high-power images that would be suitable to send to a reference laboratory for interpretation.

Speakers & Committees

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VetHive – Columbia, Tenn.

Kelly Baltzell M.A.
Beyond Indigo Pets – Hanover, Minn.

Alexis Bardzinski DVM
Austin Pets Alive – Austin, Texas

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