

# **2022** SUMMER MEETING

JUNE 23 – 25, 2022 DOUBLETREE BY HILTON BILLINGS, MONTANA

# **Thank you!** 2022 Summer Meeting Sponsors

# **PLATINUM SPONSORS:**



# ••• AGENDA •••

# **THURSDAY, JUNE 23**

2:00 - 5:00 pm **MVMA Board of Directors' Meeting** 

5:00 - 6:00 pm **Power of Ten Alumni Reception** 

6:00 pm

**Steak Fry** 

Shelter 1, North Park - 6th Avenue, North and North 19th Street

Hosted by MWI Animal Health Amerisource Bergen and Boehringer Ingelheim

# **FRIDAY, JUNE 24**

6:00 – 7:00 am Morning Group Walk Led by MVMA President, Dr. Cara Voss – departure from hotel lobby		
6:30 – 8:00 am	Registration	
7:00 – 8:00 am	Breakfast Buffet/ Veterinary Technician Licensing Update	

During breakfast, Board of Veterinary Medicine representatives will be providing an update and answering questions regarding the Montana Veterinary Technician Licensing process.

## 8:00 AM – NOON

### Small Animal Session ......4.0 CE

### Antu Radhakrishnan, DVM, DACVIM (SAIM)

### Bluegrass Veterinary Specialists and Animal Emergency

### **Frustrating Lower Urinary Tract Diseases in Cats**

Lower urinary tract issues are common in small animal practice but notoriously frustrating to treat. Problems such as recurrent urinary tract infections, idiopathic cystitis, urolithiasis, and neoplasia can compromise guality of life for pet and pet owner. A systematic approach with a "road map" of a plan for the client can help improve compliance and outcomes as well as minimize misunderstanding and frustration.

### **Practical Seizure Management**

Seizures due to idiopathic epilepsy or secondary to other conditions are relatively common in small animal practice. A number of anti-convulsant treatments are available, however management of neurologic conditions is often anything but simple. A good diagnostic plan with a practical approach to therapy can maximize response.

### **The Icteric Cat**

Hepatobiliary disorders are particularly challenging because of elusive etiology and ambiguity in treatment. A good diagnostic plan that is progressive and informative helps tremendously in determining optimal treatments. A healthy respect for challenges and limitations can also lead to a more reliable treatment plan.

### Pain Management and Fluid Therapy in Non-24-Hour Facilities

As great as the human animal bond has grown, challenges exist in veterinary medicine as it pertains to urgent, emergency, and critical care. Many common but serious conditions have to be treated with a variety of limitations in mind: staffing shortages, limited hours, limited equipment or resources, and client budget. Options to try to overcome these challenges will be discussed.

### Large Animal Session ......4.0 CE

### Carol K. Clark, DVM, DACVIM Peterson & Smith Equine Hospital

### Practical Foal Evaluation and Care

Foals are not just little horses. From what's normal on a physical exam on day one to their unique clinical pathology, this talk will give you an organized approach to their care. Practical treatment of conditions presented by body system such as: sepsis, neonatal maladjustment syndrome, uveitis, diarrhea, contracted tendons, septic joints, patent urachus, uroperitoneum and neonatal isoerythrolysis will be discussed. Selected conditions of the older foal will also be discussed.

### The Fat & The Furry – A review of Equine Metabolic Syndrome & PPID

These conditions have overlapping signs and a confusing set of diagnostic tests. This lecture will provide a review of the syndromes from a practical aspect that emphasizes the tests you need to know about and how to manage the cases. The latest research and recommendations will be presented.

## NOON – 1:00 PM

### **Trade Show Opening and Lunch Buffet**

Our exhibitors are trusted allied industry partners who generously support MVMA. Be sure to visit with each of them during the Trade Show hours and extend the Association's appreciation.

Note: The MVMA committee meetings will be conducted via Zoom prior to the Summer Meeting instead of during this luncheon. Details will be emailed to MVMA members regarding the Zoom committee meetings in April.

### 1:00 – 5:00 PM

### Small Animal Session ......4.0 CE

### Laura A. Nafe, DVM, MS, DACVIM (SAIM) University of Missouri

### Management of Chronic Kidney Disease in Dogs and Cats

Chronic kidney disease is a common condition in older dogs and cats. While various treatments exist to help manage this condition, there is little evidence to support some of these treatments. This talk will focus on a practical approach to staging and management of chronic kidney disease.

### Update on Diagnosis and Management of Canine Urolithiasis

Canine urinary stones are a common cause of urinary signs and can contribute to development of urinary tract infections. This talk will focus on the common types of uroliths in dogs and discuss diagnostic evaluation and management.

### **Congestive Heart Failure**

This talk will review the diagnostic approach to heart disease and discuss practical imaging and diagnostic testing that is available and utilized in a general practice setting. Discussion will also include treatment and prognosis.

Approach to the Coughing Dog This talk will focus on the clinical approach to the canine cough with an emphasis on practical diagnostics and management of common conditions (including tracheal collapse and various others). A case-based approach will aid in emphasizing key aspects of management.

### Large Animal Session ......4.0 CE

### Carolyn Chisholm, DVM, MS Weems and Stephens Equine Hospital

### **Equine Reproduction**

- Increasing success with artificial insemination using chilled and frozen semen
- Estrus synchronization in mares and estrus suppression in performance mares
- What is new and most effective in estrus suppression
- Prostaglandin administration based on size of follicle, Regumate usage, P&E
- Regumate, long-acting progesterone injections, oxytocin treatment, marbles
- Uterine cultures and cytology
- · Treating common problems in breeding mares
- Reproductive emergencies for the general practitioner

### 5:00 - 9:00 PM

### Trade Show, Social, Dinner, and Dancing

Unwind from an informative day by visiting with our Trade Show exhibitors and your peers from across the state. The evening will include a social hour, dinner buffet and dancing.

# ••• AGENDA •••



# **SATURDAY, JUNE 25**

6:00 – 7:00 am	Morning Group Walk				
Led by MVMA President, Dr. Cara Voss – departure from hotel lobby					
6:30 – 8:00 am	Registration				

7:00 - 8:00 am **Trade Show and Breakfast Buffet** 

### 8:00 AM – NOON

Small Animal Session ......4.0 CE

### Joshua Jackson, DVM, DACVS

**Bridger Veterinary Specialists** 

### **The Referral Relationship**

Have you ever been frustrated with the process of referring a client or patient for specialty care? This lecture will focus on optimizing patient outcomes and client expectations in the referral process. What to expect from your referral providers and what you can provide to make the process as seamless as possible. We will review the AAHA referral and consultation guidelines.

### Fracture Management: When is Conservative Treatment OK?

Not all clients have the means to treat fractures surgically. One of the most common questions we get is "does this need surgery?". This lecture will review fractures of both the appendicular and axial skeleton in dogs and cats and discuss which cases may not require surgery. We will also review immobilization techniques and if they are required prior to transport or while waiting for definitive repair.

### Jason Wheeler, DVM, MS, DACVS

Bridger Veterinary Specialists

### **The Orthopedic Exam**

This lecture will go over a complete orthopedic exam. The focus will be aligning exam findings with age, sex, breed and clinical history in order to rule in or out common differentials. The most useful diagnostics to confirm diagnoses will also be presented and basic treatments for common causes of lameness.

### **Wound Management**

The management of traumatic and chronic wounds can be a challenge. This lecture will discuss basic wound management techniques, paying special attention to traumatic shearing injuries and bite wounds. Treatment modalities to facilitate drainage, debridement, granulation and ultimate wound closure will be discussed. We will cover options for treatments available through referral as well as management techniques in your hospital or when referral is not an option.

### Large Animal Session ......4.0 CE

### Terry J. Engelken, DVM, MS

Iowa State University College of Veterinary Medicine

### **Minimizing Morbidity and Mortality in Beef Calves**

Getting calves off to a good start and growing all the way through weaning is critical for profitability. Planning for a successful calving season should begin with bull selection and an effective herd health program. Nutritional management from the time of pregnancy diagnosis through calving can have a tremendous impact on calf vigor, the quality of colostrum, and calf health and survival. Calves also need to be managed through the summer grazing season to minimize the effects of morbidity on weaning weight. The objective of this presentation will be to discuss factors affecting the health of suckling calves and intervention strategies to ensure their survival through weaning.

Weaning and Preconditioning Programs Calf weaning represents the "pay day" for our clients – whether they are marketed off the cow or go into a preconditioning program. Planning for a successful weaning program begins long before the calves come off the cow. Factors such as herd health programming, nutritional management, weaning facilities, and animal handling all contribute to the success or failure at weaning. Preconditioning programs need to be designed so that the cost of gain is less than the value of the added weight, without chasing "premiums" that may not exist. This presentation will discuss these types of programs from a management and marketing standpoint.

### The Veterinarian's Role in Heifer Development Programs

With a typical replacement rate of 15-20%, beef heifer development is a critical component to cow herd profitability. In certain parts of the country, custom replacement heifer development (drylot and paddock) is becoming more common. Replacement heifers need to meet growth and development benchmarks to optimize cost and reproductive performance. The objective of this presentation is to highlight heifer development programs and the vital role that veterinarians play in ensuring reproductive efficiency.

### Investigating the Causes of Reproductive Failure in Beef Herds

Working up reproductive problems in beef herds can be incredibly frustrating. Besides the typical infectious causes, there are a multitude of factors that will impact reproductive performance. Also, the original infection may occur many weeks to months before fetal loss. This makes serological diagnostics at the time of abortion difficult to interpret. This objective of this presentation is to review current methodologies and diagnostic tools that can be used to work up reproductive failure in beef herds.

### NOON - 1:30 PM

### **Lunch Buffet & General Membership Meeting**

### 1:30 - 5:30 PM

Mixed Animal Session ......4.0 CE

Lyndi Gillham, DVM, Ph.D., DACVIM Oklahoma State University

### **Digesting the Complexity of Rattlesnake Envenomation**

This session will look at the complexities of rattlesnake venom and how we can use an understanding of venom when assessing and treating envenomation patients.

### New Advances in the Treatment of Rattlesnake Envenomation: A Multi-**Species Approach**

This session will focus on the most current research surrounding treatment of rattlesnake envenomation. We will look at historical treatments and compare to current treatments and look into future treatments.

### Laura A. Nafe, DVM, MS, DACVIM (SAIM) University of Missouri

### **Snake Envenomation in Dogs and Cats**

Venomous snakebites can be life threatening in dogs and cats. This talk will focus on common venomous snakes in Montana and recommended management based on variations in clinical presentation.

### Large Animal Session ......4.0 CE

### Christine B. Navarre, DVM, MS, DACVIM

Louisiana State University School of Animal Sciences

### Parasite Control in Beef Cow Calf Herds: Let's Get Practical

This presentation will discuss what influences parasite levels in herds, diagnostic strategies and refugia programs to combat anthelmintic resistance.

### **Herd Health: Beyond Vaccines**

This presentation will discuss six areas that should be addressed by a herd health program: nutrition, parasites, genetics, biosecurity, stress management and vaccinations.

### **Tips for Developing Disaster Plans for Cow-Calf Producers**

Veterinarians can take the lead in helping cow calf producers develop disaster plans. This presentation will discuss tips for getting started that apply to all natural disasters.

### **Practical Fluid Therapy**

This presentation will give tips for administering fluid therapy in the field to cows and calves.

### Pain Management; What's the Evidence

This presentation will discuss the evidence supporting use of pain management in cattle.

# ••• SPEAKERS •••



### Antu Radhakrishnan, DVM, DACVIM (SAIM) Medical Director and Internist, Bluegrass

Veterinary Specialists and Animal Emergency

Dr. Radhakrishnan grew up in the Chicago suburbs and received his undergraduate degree in philosophy from The University of Chicago. He completed his DVM degree

at the University of Georgia followed by an internship and then residency in small animal internal medicine at the University of Pennsylvania. He and his wife Erica started Bluegrass Veterinary Specialists in 2005 in Lexington, Kentucky. Dr. Radhakrishnan's professional interests include endoscopy, minimally invasive procedures, and teaching. His hobbies include formerly playing soccer but now any outdoor activity that is orthopedically forgiving and helping/watching their daughters achieve their goals and dreams.



### **Carol K. Clark, DVM, DACVIM** *Peterson & Smith Equine Hospital*

Dr. Clark attended Texas A&M University for undergraduate studies (Animal Science major) and veterinary school. She graduated in 1991 and moved to Ocala, Florida for an internship at Peterson & Smith Equine Hospital. In 1992, she began a three-year Large Animal Internal Medicine residency

at the University of Florida and became a Diplomate of the American College of Veterinary Internal Medicine in 1995. She did private practice relief work for both small animal and equine practices until starting her current position at Peterson & Smith Equine Hospital in 1996. There, she was also trained in surgery and has enjoyed using her medical background for emergency surgical cases. She has strong interests and has pursued further training in cardiology and ophthalmology. She manages the NICU and internal medicine referral cases. She became a partner in the practice in 2003. She has been on advisory councils for various pharmaceutical companies and is on the Board of Directors for the Florida Horse Park. In her spare time, she enjoys riding her OTTB horse "Bones" in dressage and low level eventing competitions. She also participates in sprint triathlons.



### Laura A. Nafe, DVM, MS, DACVIM (SAIM) Assistant Teaching Professor in Small Animal

## Internal Medicine , University of Missouri

Dr. Nafe specializes in small animal internal medicine with interests in endourology, minimally invasive procedures, infectious disease, and immune-mediated disease. She has lectured regionally and nationally on

various topics related to small animal internal medicine. She also has a passion for teaching and mentoring veterinary students and house officers. Dr. Nafe received a Bachelor of Science degree from Bates College in Lewiston, Maine. She then obtained her Doctor of Veterinary Medicine degree from the University of Missouri. Following graduation, Dr. Nafe completed a small animal rotating internship at North Carolina State University before returning to University of Missouri for a residency in small animal internal medicine. Following residency, Dr. Nafe was a faculty member at the University of Wisconsin (2013-2014) and then Oklahoma State University (2014-2020) prior to returning to University of Missouri as an Assistant Teaching Professor in the fall of 2020.



### Joshua Jackson, DVM, DACVS Bridger Veterinary Specialists

Dr. Joshua Jackson is a Diplomate of the American College of Veterinary Surgeons. Dr. Jackson went to veterinary school at Colorado State University where he graduated a member of the Phi Zeta honor society. He went on to perform a rotating internship at the Veterinary

Specialty Hospital of San Diego and a residency in surgery at the University of California, Davis. Dr. Jackson returned to San Diego and founded the surgery service at the Veterinary Specialty Hospital. Under his directorship, the service has grown to seven surgeons performing thousands of surgeries every year. As an active mentor to over 140 interns and residents, Dr. Jackson has helped many young surgeons achieve diplomate status. Dr. Jackson has broad clinical interests in surgery, ranging from total hip replacements to advanced soft tissue, oncologic and reconstructive techniques. He has lectured nationally and internationally on cruciate ligament disease, total hip replacement and orthopedic implants and published numerous scientific articles on a variety of soft tissue and orthopedic topics. Dr. Jackson was a founder of the Veterinary Specialty Hospital of Hong Kong, the first specialty referral only hospital in Asia. He was also a founder of FACE, a non-profit organization that has saved thousands of pets in the San Diego region from euthanasia for economic reasons. Dr. Jackson has recently founded Bridger Veterinary Specialists in Bozeman and Sentinel Veterinary Specialists and Emergency in Missoula.



### Jason Wheeler, DVM, MS, DACVS Bridger Veterinary Specialists

Dr. Jason Wheeler is a Diplomate of the American College of Veterinary Surgeons and attended veterinary school at the University of Florida. He completed a rotating internship at Alameda East Veterinary Hospital in Denver, Colorado and then returned to Florida for a master's degree

and his residency in small animal surgery. During his residency, he won several awards for excellence in clinical research from the University of Florida, the American College of Veterinary Surgeons, and the Veterinary Orthopedic Society. He has

# ••• SPEAKERS •••



been involved in multiple research studies and has authored or coauthored over 20 peer reviewed scientific publications. Dr. Wheeler has since worked at a large referral center in Denver and co-founded a multispecialty clinic in Virginia. Dr. Wheeler has a broad interest in veterinary surgery including wound management, cranial cruciate ligament instability, joint replacement, elbow dysplasia, fracture repair and oncologic surgery. He is currently a staff surgeon at Bridger Veterinary Specialists in Bozeman and a founder of Sentinel Veterinary Specialists in Missoula.



### **Terry J. Engelken, DVM, MS** *Professor, Veterinary Diagnostic and Production Animal Medicine Department, Iowa State University College of Veterinary Medicine*

Dr. Terry Engelken grew up on a row crop and beef cattle operation in northeastern Kansas. He graduated with his DVM in 1987 from Kansas State University. He joined a mixed animal practice in Onaga, Kansas

before returning to KSU for a residency and master's program in Beef Cattle Production Medicine. He then joined the faculty at Mississippi State in 1991 and worked out of the Field Service Unit teaching clinical production medicine, performing applied beef cattle research, and didactic teaching. In 2007, he moved to the Iowa State University College of Veterinary Medicine and currently serves as a professor in the Veterinary Diagnostic and Production Animal Medicine Department. His appointment still includes field service clinical rotations, research, and classroom teaching. His interests include metabolic markers for bovine respiratory disease, replacement heifer development, feedlot lameness, confined cow/calf operation management, and factors affecting cow herd profitability. He has been married to his wife Elizabeth for 36 years and they have been blessed with four children and two grandchildren.



### Lyndi Gillham, DVM, Ph.D., DACVIM Professor, Equine Internal Medicine, Oklahoma State University

Dr. Gilliam was born and raised in Wyoming. She received her bachelor's of science degree in Animal Science and DVM from Oklahoma State University. She then entered mixed animal private practice in Dalhart, Texas

for two years before returning to Oklahoma State College of Veterinary Medicine for an Equine Internal Medicine residency and PhD examining the effects of rattlesnake venom on the horse's heart. Dr. Gilliam is now a professor of equine internal medicine at Oklahoma State University where she has won multiple teaching awards including the Zoetis Distinguished Teaching Award. Her research is still primarily focused on snake venom where she has most recently been involved in studies with international impact.



# Christine B. Navarre, DVM, MS, DACVIM

*Extension Veterinarian, Louisiana State University AgCenter Professor, School of Animal Sciences, Louisiana State University School of Animal Sciences* 

Dr. Navarre received her DVM from Louisiana State University in 1990. Following

graduation, she worked in a private mixed animal practice in Sulphur Springs, Texas before attending Texas A & M University for a large animal internal medicine residency and master's degree. Dr. Navarre joined the Food Animal Section at the Auburn University College of Veterinary Medicine Teaching Hospital where she spent 11 years providing clinical service and teaching food animal medicine and surgery. Dr. Navarre is currently Extension Veterinarian with the Louisiana State University Agricultural Center and Louisiana Beef Quality Assurance Coordinator.

Dr. Navarre is Past President of the American Association of Bovine Practitioners and a Past President and current Treasurer of the North American Veterinary Community. She and her family raise SimAngus cattle and her extended family is involved with the beef, dairy and farming industries.



### Carolyn Chisholm, DVM, MS Associate Equine Veterinarian Weems and Stephens Equine Hospital

Dr. Chisholm grew up in a small rural town in southeastern Mississippi. She graduated from Mississippi State University College of Veterinary Medicine in 2018. Upon graduation, she joined a mixed animal practice in northern Texas as a large animal

associate veterinarian. Her primary focus and case load in practice included beef cattle and horses. In June of 2019, she returned to Mississippi State University College of Veterinary Medicine to complete a Theriogenology Residency. Throughout her residency, she performed reproductive procedures and surgeries while receiving advanced training in multiple species including bovine, equine, small ruminant, and canine. Dr. Chisholm also instructed third- and fourth-year veterinary students within the clinic while seeing appointments and emergencies, as well as instructing the Theriogenology course in the classroom for second-year students. She completed her residency in 2022 and moved back to Texas to join Weems and Stephens Equine Hospital as an associate equine veterinarian. Her primary focus is equine reproduction including embryo transfer and other advanced reproductive modalities. While her daily role is heavily based around equine reproduction, she also sees a wide variety of equine emergencies for the hospital.

# ••• REGISTRATION •••

## Montana Veterinary Medical Association 2022 Summer Meeting Registration

DoubleTree by Hilton, Billings, Montana – Friday, June 24 & Saturday, June 25

**Registration Available Online!** Save postage, time and pay with a credit card: visit our website, www.mtvma.org.

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۲wo Day Rate (Friday	y & Saturday) – includes registration packet and all m	eals		
	Total of 16 CE Hours	Through June 1	After June 1	Your Fee (includes meals)
//VMA or VMA Member o	of Other State (not practicing in Montana), Life Member requesting CE	\$350	\$390	
Non VMA Member		\$480	\$520	
Technician Of	fice Manager	\$175	\$215	
🔄 Life Member 📃 Stu	ident No CE Awarded	free	free	
One Day Rate – inclu	des registration packet and all meals for one day			
Frie	day: 8 CE Hours Saturday: 8 CE Hours	Through June 1	After June 1	Your Fee (includes meals)
MVMA or VMA Member o	of Other State, <i>Life Member requesting CE</i> Check: Friday Saturday	\$285	\$325	
Non VMA Member	Check: 🔄 Friday 🔄 Saturday	\$415	\$455	
Technician Of	fice Manager Check: 🗌 Friday 🗌 Saturday	\$145	\$185	
🗌 Life Member 🗌 Stu	udent No CE Awarded Check: 🔄 Friday 🗌 Saturday	free	free	
Guest/	Life/Student Meals Guest Name:			Meals Fee – Life, Students
	ys – all meals		\$175	Guests ONLY
		Friday only	\$105	
One Day	Check: Friday	Saturday only	\$70	
Friday Tr	ade Show Dinner <b>ONLY</b>		\$40	
ease let us know if you a	nd/or your guest have any dietary restrictions:			
		Т	otal Amoun	t:\$
Discounted rates w	ooms has been reserved at the DoubleTree by Hilton – Billin vill be honored until sold out or <b>May 26, 2022</b> . You can find r call the hotel at 1-800-588-7666 and request the MVMA re	an online boo		
Send Registration	to: MVMA Que	estions?	Call or ema	il Jenny
	PO Box 6322 Helena, MT 59604 fax: 406-442-8018		406-447-42 info@mtvn	



# **REGISTRATION INFORMATION**

- 16 Continuing Education Credits
- Pre-Registration before June 1
  - MVMA Member \$350
  - Non-MVMA Member \$480 Technician/Office Staff - \$175
- After June 1 or On-Site Registration • MVMA Member - \$390
  - Non-MVMA Member \$520
  - Technician/Office Staff \$215
- Free for CVM Students or Life Members (no CE) pre-registration is required; meal tickets must be purchased

**Online:** Quickest & easiest – pay by credit card at www.mtvma.org

Mail: Complete the enclosed registration form and mail with payment to: MVMA, PO Box 6322, Helena, MT 59604

Questions? Contact Jenny Bloomquist, MVMA Association Coordinator, at 406-447-4259 or email at jennyb@montana.com

Proceedings will be available online one week prior to the meeting. Printed proceedings will not be made available at the meeting. Once attendance is verified, CE certificates will be mailed within two weeks after the meeting.

## **ROOM RESERVATIONS**

A block of MVMA rooms has been reserved at the DoubleTree by Hilton – Billings, at the rate of \$129 per night plus taxes. Discounted rates will be honored until sold out or May 26, 2022. You can find an online booking link on the MVMA website at www.mtvma.org or call the hotel at 1-800-588-7666 and request the MVMA room block.





Special Recognition goes to Dr. Cara Voss, **MVMA** President, and Program Chair of the 2022 Summer Meeting, for the diligent efforts she devoted to planning this event.

# **MVMA CONTACTS**

### 2021-2022 Executive Committee

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