














AM	ACVAA Abstracts	ACVAA Abstracts	IVAPM Review	Diagnostic Imaging	Sepsis
			VET & TECH	VECCSpert	SPECIALIST
9:00 – 10:00	111 ACVAA Abstracts Small Animal	121 ACVAA Abstracts Large Animal	131 Ketamine and Chronic Pain Lindsey Fry 	141 Focused Cardiac Ultrasound in the ER Setting Teresa DeFrancesco Jessica Ward	151 New Sepsis Definitions Gareth Buckley 
BREAK (15 MIN)					
10:15 – 11:15			132 Pain: Effects on Patient Quality of Life and Caregiver Burden April Bays 	142 Use of Cross Sectional Imaging (CT) in the ER Matthew Beal	152 Coagulation in Sepsis Yekaterina Buriko 
BREAK (15 MIN)					
11:30 – 12:30			133 Preventative Pain Management for Anesthetic Procedures William Muir 	143 Lung Ultrasound: A Regional Pattern-Based Approach Gregory Liscianro	153 Clinical Applications of Viscoelastic Testing Yekaterina Buriko 




GENERAL	Large Animal Abstracts	Technician	Practice Management
		TECHspert	GENERAL
161 Case Reports by Veterinarians	171 Large Animal Abstracts	181T Blood Pressure and its Management H. Edward Durham, Jr	191 The 3 S's of Hiring; Savvy, Smart and Secure KimberlyAnn Mackey 
BREAK (15 MIN)			
		182T Reflections of the Heart: Introduction to Echocardiography H. Edward Durham, Jr	192 Staff: Patient Ratios: Balancing Improved Patient Outcomes and Staff Well-Being with Financial Sustainability - Is This Possible? Danielle Russ 
BREAK (15 MIN)			
		183T Difficult Intubations Anita Parkin How I Do US Guided Arterial Catheters Noah Jones How I Do US Guided Central Lines Noah Jones	193 Good Help is Hard to Find - Unleash the Power of Soft Skills Deanne Pawlisch 

ZOETIS PETCARE
101
BREAKFAST LECTURE
7:45am - 8:45am
Title : TBA
Speaker: TBA

IDEXX
103
LUNCH & LEARN
12:30pm - 1:30pm
Title : TBA
Speaker: TBA

ZOETIS PETCARE
104
LUNCH & LEARN
12:30pm - 1:30pm
Title : TBA
Speaker: TBA

PM	ACVAA Abstracts	ACVAA Abstracts	Anesthesia/Analgia	Emergency	Fluid Therapy
			IVAPM SPECIAL FOCUS	VECCSpert	SPECIALIST
1:30 – 2:30	114 ACVAA Abstracts Small Animal	124 ACVAA Abstracts Large Animal	134 Pharma and Non-Pharma Integration in Treating Feline Pain Bonnie Wright	144 Core Principles of Point of Care Abdominal Ultrasound Soren Boysen 	154 HBOC Update William Muir What is on the Horizon William Muir 
BREAK (15 MIN)					
2:45 – 3:45			135 Pharmaceuticals, Phytochemicals and Pain in Pets Bonnie Wright	145 Controversy Surrounding the Rattlesnake Vaccine Raegan Wells Blood Products for Rattlesnake Bite Patients - When Are They Indicated? Raegan Wells	155 Effects of Early Fluid Resuscitation on the Course of Critical Illness Corrin Boyd 

GENERAL	Large Animal	Technician	Practice Management
	SPECIALIST	GENERAL	GENERAL
164 Tech Case Reports	174 The Value of Ultrasound for Acute Wounds and Lacerations Mary Beth Whitcomb	184T Phlebotomy: Beyond the Cephalic - It's not the Final Frontier Karen Roach	194 Finding the Good in Client Complaints Marie Kerl 
BREAK (15 MIN)			
	175 Secondary Energy Failure in Sepsis Pam Wilkins	185T She's So Basic: "Basic" Nursing Care With Big Impact Kelly Foltz	195 Improving Quality with Morbidity Mortality Rounds Marie Kerl 

General Session
KNOWLES MEMORIAL LECTURE
4:00pm - 5:00pm
Presented By
Diane Ansari-Winn MD
A Vision for Humanity in Veterinary Medicine
Sponsored By


AM	Small Animal Resident Abstracts	Anesthesia/ Analgesia	What is the evidence? I think it's crazy to...	Respiratory
		ACVAA/NAVAS SPECIAL FOCUS	GENERAL	VECCSpert
9:00 – 10:00	211 7:50am-12:00pm Small Animal Abstracts by ACVECC Residents	221 Burnout in Anesthesiologists Dianne Ansari-Winn	231 ...Give Famotidine to Every Patient ...Culture All Cats With Urethral Obstruction ...Ever Trust The Pulse Oximeter Merilee Costello	241 When Your Heart Isn't Broken: Diagnosing and Treating the Non-cardiac Causes of Pulmonary Hypertension in Dogs Carol Reiner
		BREAK (15 MIN)		
		222 Cardiac Contractility and Small Molecule Inotropes William Muir	232 ...Give Metronidazole For Diarrhea ...Give NSAIDs to Blocked Cats ...Give Post-Op Antibiotics Following Gastrointestinal Surgery Casey Kohen	242 Look Alike Causes of Respiratory Distress Kate Farrell
BREAK (15 MIN)				
10:15 – 11:15		223 Modern Approaches to Education in Veterinary Anesthesia Linda Barter	233 ...Recheck Thoracic Radiographs in Pneumonia Dogs ...Do Routine Bloodwork in Blocked Cats ...Give Maropitant to GDV Dogs Elizabeth Rozanski	243 Clinical Approach to Aspiration Pneumonia: Evidence and Opportunities Edward Cooper
11:30 – 12:30				

PM	Small Animal Abstracts	Anesthesia/ Analgesia	Literature Review	Trauma
		ACVAA/NAVAS SPECIAL FOCUS	VECCSpert	SPECIALIST
1:30 – 2:30	214 1:20pm-5:00pm Small Animal Abstracts	224 Equine Anesthesia - TIVA vs Inhalants - When and How Should Each Be Used? Klaus Hopster	234 Dissecting the ECC Literature Jamie Burkitt Kate Hopper	244 Hemorrhagic Shock and Hemostatic Resuscitation Thomas Edwards
		BREAK (15 MIN)		
		225 Equine Analgesia - An Update Klaus Hopster		245 Advances in Burn Care Thomas Edwards
2:45 – 3:45				

Large Animal	Technician	Practice Management
SPECIALIST	TECHSpert	GENERAL
251 Ultrasound & The Severe Acute Lameness - The Forelimb Mary Beth Whitcomb	261T Pro: Using APRV For Severe Respiratory Failure Noah Jones Con: Using APRV For Severe Respiratory Failure Noah Jones	271 Irate Clients & Employees; Keeping the Team Safe Physically and Mentally KimberlyAnn Mackey
BREAK (15 MIN)		
252 Ultrasound & The Severe Acute Lameness - The Hind Limb Mary Beth Whitcomb	262T CT In The ICU April Bays	272 The Open Hospital: Inviting Clients "To The Back" in the ECC Setting Kenichiro Yagi Nicolette Zarday
BREAK (15 MIN)		
253 Optimizing Fluid Therapy Using Cardiovascular Imaging in The Horse Gayle Hallowell	263T Peritoneal Dialysis 101 Courtney Waxman	273 The Open Hospital: An Interactive Session on Implementing an Open Hospital Approach in Practice Kenichiro Yagi Nicolette Zarday


Large Animal	Technician	Practice Management
SPECIALIST	GENERAL	GENERAL
254 The Value of Imaging of The Equine Stomach: Are We Doing All We Can? Gayle Hallowell	264T Under Pressor - Vasopressors! Jeffrey Backus	274 Drugs: Signs & Symptoms of Abuse, Part 1 KimberlyAnn Mackey
BREAK (15 MIN)		
255 Dorothy Russel Havemeyer Meeting on SIRS and Sepsis: A Review Pam Wilkins	265T The Smallest Sagas: Common Pediatric ER Presentations Kelly Foltz	275 Drugs: Signs & Symptoms of Abuse, Part 2 KimberlyAnn Mackey

ZOETIS PETCARE
201
BREAKFAST LECTURE
 7:45am - 8:45am
 Title : TBA
 Speaker: TBA

IDEXX
203
LUNCH & LEARN
 12:30pm - 1:30pm
 Title : TBA
 Speaker: TBA

Elanco
204
LUNCH & LEARN
 12:30pm - 1:30pm
 When & How, Treating Canine OA Effectively
 Duncan Lascelles

205
POSTER ABSTRACTS Q&A
 12:30pm - 1:30pm
 Sponsored By



Welcome Reception
 4:00pm-5:00pm
 Sponsored By




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AM	Resident Focus	Anesthesia/ Analgesia	AVHTM	Respiratory
		ACVAA/NAVAS SPECIAL FOCUS	VECCSpert	SPECIALIST
9:00 – 10:00	311 8:30am-10:00am Indications for use of Hypertonic Saline (7.2%) in the Critical Care Patient Eric Schroeder Physical Rehabilitation in ICU Carissa Tong Pathophysiology of Non-Cardiogenic Pulmonary Edema Christina Fischer	321 Anesthesia in Rabbits - Scientific Studies Linda Barter	331 Updates in CANINE Blood Types and Pre-Transfusion Compatibility Testing Marie Claude Blais	341 Lung Protective Ventilation: Where are We Now? Ellie Leister
	BREAK (15 MIN)			
10:15 – 11:15	312 10:00am-11:30am Necrotizing Soft Tissue Infections Bridget Lyons How Can High-throughput "omics" Technologies Aid the Investigation & Management of Sepsis? April Summers Neuromuscular Blocking Agents in Critical Illness Jake Wolf	322 Improving Preoperative Management Using Ultrasound Imaging Gregory Lisciandro	332 Updates in FELINE Blood Types and Pre-Transfusion Compatibility Testing Marie Claude Blais	342 Airway Pressure Release Ventilation Explained Robert Goggs Airway Pressure Release Ventilation What is the Evidence? Robert Goggs
	BREAK (15 MIN)			
11:30 – 12:30	313 11:30am-12:30pm Beta and Calcium Channel Blocker Toxicity Review & Updates Julie Pfeifer Humanizing Veterinary Critical Care Medicine Sarah Gradilla	323 Postoperative Ultrasound - Reducing Morbidity and Mortality Gregory Lisciandro	333 Fibrinolysis and the Application of Fibrinolytics in Veterinary Medicine Erin Mays	343 Hi Flow Nasal Oxygen: Physiology, Use & Safety Tiffany Jagodich Hi Flow Nasal Oxygen Therapy: From Babies to Bulldogs Tiffany Jagodich

PM	Professional Wellness	Anesthesia/ Analgesia	AVHTM	Imaging
	GENERAL	ACVAA/NAVAS SPECIAL FOCUS	VECCSpert	GENERAL
1:30 – 2:30	314 5 Fundamentals of Energy Renewal and Self-Care Dianne Ansari-Winn	324 Monitoring During MRI Derek Cissell	334 The Clot From 3 Perspectives: The Criticalist, The Cardiologist & The Radiologist Terri DeFrancesco Erin Mays Kathryn Phillips	344 Thoracic Imaging POCUS vs Radiographs Armi Pigott
	BREAK (15 MIN)		BREAK (15 MIN)	
2:45 – 3:45		325 How the Pandemic Has Affected Veterinary Anesthesia Peter Pascoe		345 Diagnosis of GI Foreign Bodies: Ultrasound vs Radiographs vs CT Kathryn Phillips

Gary L. Stamp	Large Animal	Technician	Practice Management
VECCSpert	SPECIALIST	GENERAL	GENERAL
351 Cats are Not Small Dogs, Disease Differences From Nose To Toes Merilee Costello	361 Idiopathic Hyperammonemia: What's the Story? Jennifer Gold The Future of Equine Health: The GI Microbiome and Metabolome Diana Hassel	371T Advanced Blood Gas Interpretation Megan Brashear	381 Problem-Solving Through Brainstorming and Networking Topics: 1. Social Media Dilemmas 2. Staff Retention 3. Self-Management 4. Conflict Resolution Jessica Brotherton Danielle Russ
BREAK (15 MIN)			
352 Emergency Management of the Blocked Cat - Current Concepts Jamie Burkitt	362 When Good Things Go Bad: Iatrogenic Complications Julie Dechant	372T The S Word: Understanding SIRS and Sepsis Megan Brashear	
BREAK (15 MIN)			
353 Hemoabdomen: Bleeding in the Belly - Better Bring Blood Thomas Edwards	363 Thoracic Trauma in the Foal Pam Wilkins	373T Unintended Heavy Breathing April Bays	

Advanced Procedures	Large Animal	Technician	Practice Management
VECCSpert	SPECIALIST	AVTAA	GENERAL
354 Tracheostomy Armelle de Laforcade Airway Culture Armelle de Laforcade	364 Imaging of the Equine Kidney: Can it be Helpful in Emergency Cases? Gayle Hollowell	374T Post Surgery Analgesia Techniques Anita Parkin	384 COVID Panel- What We Have Learned Beth Davidow Bob Murtaugh Annie Wayne J. Scott Weese
BREAK (15 MIN)			
355 Difficult Vascular Access Dana Clarke Unblocking the Unblockable Urethra Dana Clarke	365 Ultrasound as The Initial Imaging Modality for Pelvic Fractures Mary Beth Whitcomb	375T Local Blocks Anita Parkin	

Elanco

301
BREAKFAST LECTURE
7:45am - 8:45am
The New Normals: Concept-To-Clinic Approach to Perioperative Pain Management
Mark Epstein

IDEXX

303
LUNCH & LEARN
12:30pm - 1:30pm
Title : TBA
Speaker: TBA

ZOETIS PETCARE

304
LUNCH & LEARN
12:30pm - 1:30pm
Title : TBA
Speaker: TBA



Dechra

304
LUNCH & LEARN
12:30pm - 1:30pm
Title : TBA
Speaker: TBA

VECCS
VETERINARY EMERGENCY & CRITICAL CARE SOCIETY

Membership Meeting
4:00pm-5:00pm

ON DEMAND MULTIDISCIPLINARY REVIEWS

VETERINARIAN	TECHNICIAN
<p>001 Fee: \$160 Cellular Metabolic Changes in Shock Corrin Boyd</p> <p>Corticosteroid Metabolism and Critical Illness Related Corticosteroid Insufficiency Claire Sharp</p> <p>NETS and Immunothrombosis Benjamin Brainard</p> <p>Aortic Thromboembolism Julien Guillaumin</p> <p>Lactate Physiology Pam Wilkins</p> <p>Potassium Channel Physiology Ellie Leister</p> <p>Intestinal Barrier Function Julie Dechant</p> <p>Core Concepts of Mechanical Ventilation Kate Hopper</p> 	<p>011T Fee: \$120 Understanding The RAAS April Bays</p> <p>Toxicology Jeffrey Backus</p> <p>Arrhythmias in the ICU H. Edward Durham Jr</p> <p>Sepsis & Sepsis Shock Christopher Norkus</p> <p>TEG Talk Jeffrey Backus</p> <p>Alphabet Soup: ARDS/P-SILI/VALI Noah Jones</p> <p>Semi-Elemental Nutrition for the Critical Patient Kara Burns</p> <p>The Amazing Spleen: Function, Disease & Injury Amy Newfield</p> 

ON DEMAND POSTER ABSTRACTS

Schedule Coming Soon



Buy Raffle Tickets Online
TOP PRIZE: 2021 SPRING SYMPOSIUM EXPENSES PAID!

Tickets Will Be Available Online More Details TBA
 Winners Notified Via Email After The Event

Proceeds benefit the
Veterinary Emergency & Critical Care Foundation

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PLATINUM



GOLD



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 FUJIFILM | NVA | ZOETIS**

SAVE THE DATE
Upcoming Meetings

2021 SPRING SYMPOSIUM

MARCH 21-24, 2021
 Marriot Resort & Spa Surfers Paradise,
 Queensland, Australia

2021 IVECCS

SEPTEMBER 11-15, 2021
 Gaylord Opryland,
 Nashville, TN

2022 IVECCS

SEPTEMBER 7-11, 2022
 Henry B. Gonzalez
 Convention Center
 San Antonio, TX

2023 IVECCS

SEPTEMBER 8-12, 2023
 Gaylord Rockies,
 Denver, CO