

Shawna Cosgrove, CVT, VTS (ECC)

The shocking truth: the Technician's guide to understanding and treating the patient in shock

This lecture provides a comprehensive overview of shock, focusing on its definition, underlying physiology, and key compensatory mechanisms, including the renin angiotensin-aldosterone system (RAAS). We will explore the various types and phases of shock, equipping you with the knowledge to recognize and triage patients based on physical examination findings and vital signs. The session will also emphasize the clinical reasoning and critical thinking required for effective treatment when the situation is urgent.

When fur flies: Emergency readiness for your team

Emergencies can happen at any time—whether you're in a fast-paced ER or a general practice where crises are less common. This lecture is designed to help veterinary teams feel more confident and prepared, no matter how often emergencies come through the door. We'll cover key topics such as effective triage, organizing and maintaining a crash cart, initial stabilization efforts, and CPR basics. Whether you're a seasoned technician or still getting comfortable with emergency care, this session will provide practical tools and protocols to strengthen your team's response and improve patient outcomes.

The snort report: Nursing care for brachycephalic beauties

The lecture provides veterinary professionals with essential knowledge and practical strategies for the care and management of brachycephalic patients, who are uniquely prone to respiratory and gastrointestinal challenges due to their anatomy. This session covers the pathophysiology of Brachycephalic Obstructive Airway Syndrome (BOAS), recognition of clinical and crisis signs, risk-reduction strategies during hospital visits, and both surgical and medical management options. Attendees will learn how to implement stress-reduction protocols, advocate effectively for high-risk patients, and educate clients with empathy and clarity.

Take a deep breath...The technician's role in respiratory emergencies

Respiratory emergencies can be some of the most stressful and complex cases we see—and often the most fragile patients we treat. In this lecture, we'll take a practical look at the pathophysiology behind oxygenation and ventilation, helping you better understand what is going wrong when patients can't breathe. We'll break down the different oxygen delivery methods by reviewing the pros and cons of each. We'll also cover the most common respiratory emergencies, including treatment and nursing care plans that actually work in real-life situations.

Venous access: Beyond the Basics

Are you comfortable placing IV catheters but ready to take your skills to the next level? This lecture is designed for technicians who want to go beyond routine placements and gain confidence with more advanced techniques. We'll explore the different types of IV catheters, including peripheral and central venous catheters, and walk through the methods and decision-making behind placing each. You'll also learn about alternative IV access sites and how to provide good quality catheter care. We'll finish with a practical look at common complications—what causes them, how to prevent them, and how to troubleshoot when things don't go as planned.

Meghan Dakin, CVT, VTS (ECC), VTS (Anesthesia & Analgesia)

Challenging Airways: Anesthesia and Beyond

Endotracheal intubation of the small animal patient is an essential skill for a wide range of veterinary medical scenarios, from routine anesthetic events all the way to cardiopulmonary resuscitation (CPR). This lecture will include a discussion of the approach to routine, urgent, and emergent endotracheal intubation via the orotracheal route, as well as alternate approaches when this may not be possible. This presentation will include recommendations for how to prepare to meet the challenges of difficult airway scenarios, including equipment and monitoring devices, and case examples will be included.

From the ER to the OR: Anesthesia for GI Emergencies

When veterinary patients present with emergent conditions that require surgical intervention, time is of the essence, but careful assessment, stabilization, anesthesia planning, and monitoring should be prioritized. This lecture will center around some of the more common gastrointestinal surgical emergencies encountered in the small animal veterinary patient. This lecture utilizes a case-based learning format to help emphasize important concepts, as well as foster critical thinking skills. Emphasis will be placed on the importance of diligent patient monitoring techniques throughout and a brief review of essential monitoring modalities will be included.

Return to Consciousness: Anesthesia Recovery

This lecture will center on the vitally important final phase of general anesthesia in the small animal veterinary patient. Topics will include the hallmarks of a successful general anesthetic recovery, as well as complications of recovery that may be encountered and how to be prepared. Emphasis will be placed on the importance of diligent monitoring techniques well into the post-anesthetic period. A discussion of anesthesia recovery for the fractious patient and case examples will be included.

Vanessa Farrell, MSM, LAT, CVT

Orange is the New Black 6: History of the Mouse in Research

This lecture will be an introduction into the history of the laboratory mouse, with the Black 6 mouse as the most widely used strain of mouse in biomedical research. The lecture will also briefly talk about the development of transgenic mice and other novel strains of mice used in research.

Jennifer Haggett, CVT, VTS (Dentistry)

Charting and oral exam made simple

Overview of AVDC abbreviations and applying charting into everyday practice during dental procedures.

Guide to home care and VOHC products

Overview to educate on the current products and gold standards of home care in veterinary dentistry.

Dental cleaning & how to use the forgotten instruments

Discuss Prophylaxis techniques and instrumentation to facilitate dental cleanings in everyday practice.

Kathleen Y. Hoffman, BS, CVT, RLATG, CCFP

The Real Vet Techs of Lab Animal Research: Intro to Lab Animal

This engaging session offers an introduction to the field of laboratory animal research, highlighting the vital role it plays in advancing biomedical science. Participants will gain insight into key animal welfare oversight practices and explore real-world stories of Veterinary Technicians who have built diverse and rewarding careers across a variety of institutions. Whether you're new to the field or curious about where your skills can take you, this session showcases the meaningful impact and professional fulfillment found in lab animal research

Sheena Kaleshian, B.S., CVT

Field Notes: A Look Into the Life of an Equine Vet Tech

Description of job role and the spoken and unspoken responsibilities associated with being an ambulatory equine vet tech.

No Hoof, No Horse: Understanding and Managing Equine Laminitis

Description of what laminitis is and why it is so talked about in the horse world. Typical symptoms are discussed as well as management of once diagnosed by the vet.

Alyssa Mages, BS, CVT, FVTE

Medical Math Mentality – M³

Math is the subject that tends to elicit more than a few groans, and let's be honest, it can cause some serious brain cramps. But in our profession, it is necessary, so this becomes pain with a purpose! This presentation covers the foundations of medical math from conversions to dilutions, takes a deeper dive into IVF, and culminates with CRIs. Woven throughout are some EVTips to make the process as smooth as possible in creating a math mentality instead of the math making us mental!

Up & Away – The Best Way to Schmear

While technology & AI have given us faster analyses of our samples, we as VTs are still the ones in charge of making those viable samples. In this session we'll not only discuss the methodology behind blood films, but do a deeper dive into why they're necessary, discuss disease processes that they're pertinent in diagnosing, and even take a stab at doing them – literally. It's all in the wrist & we'll take it up and away, together!

Phamiliar Pharmacology

When we step foot into the veterinary pharmacy for the 1st time, it can be & often is, overwhelming. Learning the types, classes, MoA, contraindications → mind blown! As vet techs, we spend a lot of time dealing with the dispensing, administering & inventory of a mind boggling number of pharmaceuticals. This course is geared towards the veterinary technician to dispel some myths, clear up any confusion, and truly make pharmacology something very phamiliar.

The Work/Life Experience: It's WAY More Than a Balancing Act

The trendy phrase of Work/Life Balance (WLB) is one that doesn't fully encompass what we as veterinary professionals go through daily. From juggling all our professional duties and trying to fit those in with all our personal obligations, there's no way it's ever a 50/50 split. In this session we'll be breaking down working to live instead of living to work, establishing those ever-important boundaries, and how to have FUN at work again.

Stand UP! - for Yourself: Self-Advocacy as a Veterinary Technician

There have been many posts, podcasts, and other conversations in which it's been recommended and encouraged for veterinary technicians to be their own advocates for recognition & respect both within veterinary practices and the veterinary community at large. While this is indeed necessary, and certainly we want to encourage every CrVT to practice self-advocacy, there's a vital component missing from this conversation: how to do it. There's more than just one-and-done options, and it's not a cookie cutter approach, for no two people are the same. We gotta travel into the realms of emotional intelligence (EQ), communication & personality styles, and conflict management. This workshop is not only going to show you the path forward, we're also gonna walk along with you.

Critical Communication

In veterinary practice, stress levels tend to run high. Not only with our clients, but at times with each other as teammates. Knowing not only what to say, but how to say it, where to

have these conversations, and when extra intervention is necessary is critical for the health of the practice & team members.

Jaime Maher, CVT, VTS (ECC, Anesthesia & Analgesia)

ECG Interpretation During Anesthesia

In veterinary anesthesia we often talk about monitoring trends. It is no different when monitoring ECG, an electrical representation of the heart. This lecture will begin with an overview of the heart's conduction system and ECG. From there we will discuss common arrhythmias during anesthesia and when/how to address specific problems.

Anesthetic Drugs, Old & New

The staple drugs used in veterinary anesthesia haven't changed significantly over the last few decades. However, we have improved how drug protocols are tailored to each patient, improved analgesia and added pre-visit pharmaceuticals to complement the patient's experience. In addition to reviewing the common classes of anesthetic drugs, we will talk about some of the newer drugs and formulations added in recent years.

Constant Rate Infusions

The objective of a constant rate infusion is to maintain a target plasma concentration of a drug. While this can pertain to any drug, we will be discussing the most common drugs administered as a CRI during anesthesia, which drug(s) may be appropriate for specific situations and, finally, simple methods for CRI calculations.

Amy Newfield – coming soon

TRIAD OF DEATH

ALI & ARDS

Nicholas Raimondi, MPH, CVT

Pharma-Flashback: A Fast-Track Review of Anesthesia & Analgesia Pharmacology

But We've Always Done It This Way: Rethinking Radiation & Anesthesia Safety

Let It Go: Hands free radiology techniques

Christine Spinetto, CVT

Care of the Recumbent Foal in the Clinic

I will be discussing how we take care of recumbent foals from the point of admission to the clinic to the various treatments we do to care for the foal during its stay with us.

Carloyn Tai – coming soon

Dialysis 101: Keeping it Renal

Dialysis 102: Not so Renal

Oh dam!: Fluid Stewardship & the ROSE Concept

PICC'ing a Line: the ins & outs of central line

Rebecca Terra, LVT, VTS (Anesthesia & Analgesia)

The Do's and Don'ts of Cardiopulmonary Resuscitation

This course provides a well-rounded perspective of identification of cardiopulmonary arrest, action steps to perform CPR in a successful manor in conjunction with the latest 2024 RECOVER guidelines, and anticipating which patients are at the greatest risk of experiencing cardiopulmonary arrest. Team dynamics and communication are highlighted throughout the presentation.

Suture and Suturing Technique

Dive back to the basics as we review wound healing, suture material, and suture methods. The risks and benefits of suturing wounds will be discussed at length, as well as what factors affect the healing process. Standard suturing styles will be discussed with video demonstrations to provide a comprehensive educational experience.

Sweet! You're Anesthetizing a Diabetic Patient

When diabetic patients present to the hospital for surgery, it is rare that their presentation has anything to do with their preexisting diabetes. However, this endocrine disease predisposes patients to a myriad of complications that may arise as a result of unregulated hyperglycemia, perioperative hypoglycemia, immune compromise, neuropathy, and other comorbidities due to this disease process. During this lecture, we will review the types of diabetes, as well as how these patients are managed on a day to day basis and in the perioperative period. We will discuss preoperative assessment, including hydration status and blood work, drugs to avoid and drugs to utilize during anesthesia, anticipated complications, and how to best manage these cases in the recovery period.

Liza Wysong – coming soon

Venipuncture and Vascular Access
Leptospirosis

Advanced Skills in Clinical Practice

Cushing's Disease in Small Animals

Tick-borne Diseases

Flexible GI Endoscopy for Veterinary Technicians

BI Sponsored Lecture

Ins and Outs of Blood Pressure Measurement

Veterinary Nursing Care Plans

Zahara Yee, CVT, rLATg, SRA

America's Next Top Animal Model: Animal Model Development in Research

Animal research is conducted on approximately a dozen or so species, with 95% of all research mainly being performed on mice and rats. Laboratory animals have complex biological processes, species-specific diseases, and varied behaviors that contribute to their demand in science. This lecture will cover the basics of study design, animal models and their development, and the future of in vivo research.