21st Annual Veterinary Technician Seminar

March 7-8, 2015
The 21st Annual Veterinary Technician Seminar will be offering numerous lecture and lab opportunities. Whether you are new to the veterinary technician profession or have years of experience, you will find the Texas A&M University College of Veterinary Medicine & Biomedical Sciences’ Veterinary Technician Seminar interesting, educational and enjoyable.

The seminar starts Saturday, March 7 at 7:30 a.m. with on-site registration and exhibitors. Lectures begin at 8:00 a.m. You may choose large animal and/or small animal lecture topics and labs. Please review the seminar schedule for topics, times and locations.

There are several labs that you can attend. Please sign up early for a spot in the lab. Our labs fill up quickly, and there are no guarantees that a second lab will be offered.

Make plans now to join us for the 21st Annual Veterinary Technician Seminar. It doesn’t matter if you are a large, small or mixed animal technician, you are sure to take back new information and techniques to your clinic.
<table>
<thead>
<tr>
<th>Room</th>
<th>2004</th>
<th>44</th>
<th>5</th>
<th>101</th>
<th>Room 206</th>
<th>Small Animal</th>
<th>Large Animal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Equine Topics</td>
<td>Farm Animal Topics</td>
<td>Small Animal Advanced Anesthesia</td>
<td>Exotics General</td>
<td>Professional Development</td>
<td>Labs</td>
<td>Labs</td>
</tr>
<tr>
<td>7:30 – 8:00</td>
<td>Registration &amp; Continental Breakfast</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 – 8:50</td>
<td>Joints – A Technical Perspective</td>
<td>Bull Breeding Soundness Exams</td>
<td>Anesthesia in the Cardiac Patient</td>
<td>Reptile Nutrition: What Every Technician Needs to Know</td>
<td>Avenues for Becoming an LVT – Traditional vs. Online</td>
<td>8:00 – 12:00</td>
<td>Large &amp; Small Animal Parasitology (limit 32)</td>
</tr>
<tr>
<td></td>
<td>H. Gaddis</td>
<td>Dr. J. Romano</td>
<td>C. Coursey</td>
<td>T. Shisk-Saling</td>
<td>A. Friedeck</td>
<td>Dr. T. Craig</td>
<td>T. Lilly S. Gibler</td>
</tr>
<tr>
<td>9:00 – 9:50</td>
<td>Equine Gastric Ulcer Syndrome: A Real Pain in the Gut</td>
<td>ART in Cattle and Small Ruminants</td>
<td>Anesthesia for the Neonatal &amp; Pediatric Patient</td>
<td>Warm Fuzzies: An Overview of the Case of “Pocket”</td>
<td>How to Become a Small Animal VTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. S. Sammons</td>
<td>Dr. J. Romano</td>
<td>T. Brunnet</td>
<td>T. Shisk-Saling</td>
<td>K. Waddell – Anesthesia</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>T. Koenig - Dentistry</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>P. Plummer - Internal Medicine</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C. Coartney - ECC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 – 10:30</td>
<td>Exhibitor Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30 – 11:20</td>
<td>Understanding the Equine Lameness Exam</td>
<td>This Little Pig Went to Market</td>
<td>Anesthesia Case Discussions</td>
<td>Pocket Pet Emergencies</td>
<td>A Technician's Role in AAHA Accreditation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. S. Sammons</td>
<td>Dr. B. Dominguez</td>
<td>C. Coursey</td>
<td>J. Perkins</td>
<td>L. Lopshire</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:20 – 1:00 p.m. Lunch Provided</td>
<td>11:45 – 12:45 Lunch &amp; Learn Vesicular Stomatitis Texas Animal Health Commission</td>
<td>11:45 – 12:45 TARVT Meeting</td>
<td>11:45 – 12:45 Lunch &amp; Learn Zoetis</td>
<td>11:45 – 12:45 Lunch &amp; Learn Hills</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Lunch Provided</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Room</td>
<td>2004 Equine Topics</td>
<td>44 Farm Animal Topics</td>
<td>5 Small Animal General OR</td>
<td>101 Small Animal Advanced - Canine</td>
<td>Room 206 Professional Development</td>
<td>Small Animal Labs</td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------------</td>
<td>------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>----------------------------------</td>
<td>-----------------------------------</td>
<td>------------------</td>
</tr>
<tr>
<td>1:00 – 1:50</td>
<td>Pre-Purchase Exams for Horses</td>
<td>Dr. R. Dabareiner</td>
<td>Management of the Recumbent Camelid</td>
<td>Superficial Thermal Therapies, Passive Range of Motion and Basic Nursing Care of the Rehabilitation Patient</td>
<td>Diagnostic and Therapeutic Approach to Acute Liver Failure</td>
<td>What Else is Out There? Another Option for a LVT</td>
<td>T. Shisk-Saling</td>
</tr>
<tr>
<td>2:00 – 2:50</td>
<td>Nasopharyngeal Cicatrix Syndrome in Horses</td>
<td>Dr. M. Coleman</td>
<td>Trichomoniasis in Cattle</td>
<td>Creating &amp; Maintaining an OR in any Clinical Setting: Pearls of Wisdom From Years of Experience</td>
<td>Canine Chronic Kidney Disease</td>
<td>A Day in the Life of a Veterinary Technician in Research</td>
<td>M. Saunders</td>
</tr>
<tr>
<td>3:00 – 3:30</td>
<td>Exhibitor Break</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30 – 4:20</td>
<td>Antimicrobial Associated Diarrhea in Horses</td>
<td>Dr. M. Coleman</td>
<td>Routine Farm Animal Vaccinations</td>
<td>Preventing &amp; Responding to Multiple Drug-Resistant Organism’s in Your Hospital</td>
<td>Cushing’s Disease in the Canine and It’s Confirmation by Endocrine Diagnostic Testing</td>
<td>Veterinary Technician Specialist Workshop</td>
<td>K. Waddell</td>
</tr>
<tr>
<td>4:30 – 5:20</td>
<td>Equine Anesthesia &amp; Recovery</td>
<td>A. Green</td>
<td>Dehorning Cattle &amp; Goats</td>
<td>Field Management of Wounds &amp; Fractures</td>
<td>The Diagnosis of Canine Infectious Diseases</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Saturday, March 7, 2015
PM Schedule

**Room 2004 Equine Topics**
- Pre-Purchase Exams for Horses
  - Dr. R. Dabareiner
- Management of the Recumbent Camelid
  - Dr. P. Gibbons
- Superficial Thermal Therapies, Passive Range of Motion and Basic Nursing Care of the Rehabilitation Patient
- Rehabilitation Modalities
  - A. Rafferty

**Room 44 Farm Animal Topics**
- Creating & Maintaining an OR in any Clinical Setting: Pearls of Wisdom From Years of Experience
  - E. Scanlin
- Canine Chronic Kidney Disease
  - Dr. T. Bolton

**Room 5 Small Animal General OR**
- Diagnostic and Therapeutic Approach to Acute Liver Failure
  - Dr. R. Heilmann

**Room 101 Small Animal Advanced - Canine**
- What Else is Out There?
  - Another Option for a LVT
  - T. Shisk-Saling

**Room 206 Professional Development**
- Advanced Imaging in Large Animal Veterinary Medicine: Obtaining Radiology Certification
  - H. Callis

**Small Animal Labs**
- 1:00 – 2:50 Perianesthetic ECG Workshop
  - Limit 20
  - Dr. B. Boutet

**Large Animal Labs**
- 1:25-3:15 Understanding the Equine Lameness Exam
  - Limit 12
  - Dr. S. Sammons
  - H. Gaddis

**Room 206 Professional Development**
- A Day in the Life of a Veterinary Technician in Research
  - M. Saunders
- Certified Canine Rehabilitation Practitioner Course
  - A. Rafferty

**Exhibitor Break**
## Sunday, March 8, 2015

<table>
<thead>
<tr>
<th>Room</th>
<th>2004 Equine Topics</th>
<th>44 Farm Animals</th>
<th>5 Small Animal General - Feline</th>
<th>101 Small Animal Advanced - ECC</th>
<th>Small Animal Labs</th>
<th>Large Animal Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 – 8:00</td>
<td>Registration and Continental Breakfast</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 – 8:50</td>
<td>Basics of Bloodwork – Basic Interpretation of CBC and Chemistry</td>
<td>“Help Me, I Really Need to Go” – The Blocked Goat, Assessing &amp; Assisting in Relieving the Urethral Blockage</td>
<td>Dysuria: Dealing With the Blocked Cat</td>
<td>Patient Triage: Who Goes First?</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. D. Love</td>
<td>K. Waddell</td>
<td>L. Atkins</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00 – 9:50</td>
<td>Equine Respiratory Disease . . . Don’t Hold Your Breath</td>
<td>Pregnancy Toxemia: To Kid or Not to Kid</td>
<td>What Every Technician Should Know About Feline Hyperthyroidism</td>
<td>Advanced Patient Monitoring: Putting the Puzzle Together</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. S. Shaw</td>
<td>S. Wertman, LVT</td>
<td>P. Plummer</td>
<td>L. Atkins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 – 10:30</td>
<td>Equine Behavior in the Hospital: Recognizing the Colicky Horse . . . or Not</td>
<td>Dystocia in Ruminants</td>
<td>Feline Case Vinettes</td>
<td>I Love to Hate the Coagulation Cascade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:30 – 11:20</td>
<td>Dr. S. Wertman, LVT</td>
<td>Dr. S. Howard</td>
<td>Dr. J. August</td>
<td>K. Waddell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30 – 12:20</td>
<td>The Everyday Colic</td>
<td>Cattle Foot Trimming</td>
<td>Arterial Blood Gases Interpretation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. R. Eckert</td>
<td>Dr. S. Howard</td>
<td>P. Plummer</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Antimicrobial Associated Diarrhea in Horses – Michele Coleman, DVM

The use of antibiotics in horses is fraught with complications. Severe colitis associated with antibiotic use can be a life-threatening complication. This presentation will discuss the pathophysiology, diagnosis, treatment and prevention of this frustrating disease.

Basics of Bloodwork: Basic Interpretation of CBC and Chemistry – David Love, DVM

This lecture will briefly touch on the major components of a complete blood count and a blood chemistry panel, what each value means clinically, and common reasons for certain value abnormalities.

Equine Anesthesia in the Hospital Recovery – Alec Green

This lecture will discuss the steps of anesthetizing a horse, from induction to recovery. It will discuss different types of recovery and problems that can occur.

Equine Behavior: Recognizing the Colicky Horse . . . or Not – Stephanie Wertman, LVT

This lecture will cover textbook colic behavior, as well as subtle and bizarre behaviors displayed by equine patients (which may or may not be GI related issues) that technicians may observe and provide valuable information to the veterinarian(s).

Equine Gastric Ulcer Syndrome: A Real Pain in the Gut – Sara Sammons, DVM

Gastric ulceration is a commonly diagnosed cause of colic, weight loss, and attitude change in horses. Often, the clinical signs associated with gastric ulcers go undiagnosed. The only way to definitively diagnose gastric ulceration in the horse is by gastroscopy and many veterinary hospitals don't have access to endoscopy equipment required for this procedure. Treatment options for gastric ulceration in horses are limited and expensive. Prevention of gastric ulcers is a key component of good horse husbandry.
Equine Respiratory Disease . . . Don’t Hold Your Breath! –Sarah Shaw, DVM

This lecture will focus on common diseases of the lower equine respiratory tract, including pneumonia, inflammatory airway disease and recurrent airway obstruction. Clinical signs, diagnostic options, imaging of the thorax, and treatment approaches will be discussed.

Joints – A Technical Perspective – Heidi Gaddis

This lecture will discuss a technician’s role in the process of diagnosing lameness. A step by step explanation of materials used to prep for nerve and joint blocks. What blocks are most common and what diagnostics should be used. Additionally, things to consider when doing treatments.

Nasopharyngeal Cicatrix Syndrome in Horses –Michele Coleman, DVM

Nasopharyngeal Cicatrix Syndrome (NCS) is an upper respiratory disease that is commonly seen in some regions of Texas. This presentation will discuss the risk factors, clinical signs and diagnosis of NCS in horses.

Pre-Purchase Exams for Horses – Robin Dabareiner, DVM, MS, PhD, DACVS

This lecture will discuss the pre-purchase exam. It will go over what you need to look for in the horse, and what you need to ask the veterinarian to do. It will go over the steps of a pre-purchase exam and all that involves it.

The Everyday Colic – Rachael Eckert, DVM

This lecture will discuss symptoms, diagnosis, and treatment of field colic. Topics will include information and management of horses that cannot be brought to the clinic.

Understanding the Equine Lameness Exam – Sara Sammons, DVM

Lameness is the most common cause of poor performance in the equine athlete. Lameness diagnostics are becoming more advanced, but the basic musculoskeletal exam and lameness evaluation has not changed over the years. Palpation, hoof tester exam, and flexion tests are all integral parts of a thorough lameness evaluation. Diagnostic nerve blocks and/or intra-synovial blocks can help to further localize the lameness. Finally, imaging of the affected area can identify the cause.
**Exotics General – Room 101**

**Pocket Pet Emergencies – Jennifer Perkins, LVT**

An overview of common pocket pet emergencies will be presented. Topics to be discussed include basic triage and patient stabilization in rabbits, rodents, sugar gliders, and guinea pigs. A review of known normal physiological values, venous access sites and fluid therapy will be discussed for each species. Case based discussion will focus on practical application of established emergency protocols in these unique species for the veterinary technician.

**Reptile Nutrition: What Every Technician Needs to Know – Teresa Shisk-Saling, LVT**


**Warm Fuzzies: An Overview of the Case of Pocket Pets – Teresa Shisk-Saling, LVT**

What type of house should my rabbit be in? Can I litter train my rat? Why won’t my Guinea Pig run in her wheel? I can just feed my Sugar Glider fruit, right? This presentation will cover basic care, feeding, housing and common medical issues of Rabbits, Rats, Guinea Pigs, Sugar Glider and Mice.

**Farm Animal Topics – Room 48**

**ART in Cattle and Small Ruminants – Juan Romano, PhD, MS, DVM**

Assisted Reproductive Technologies will be defined and described. The indications, precautions and contraindications of ART will be remarked. The different ARTs will mentioned from artificial insemination to somatic nuclear transfer. The use and importance of ART in clinic will be remark.

**Bull Breeding Soundness Exams – Juan Romano, PhD, MS, DVM**

Breeding Soundness examination in bulls, rams and bucks will be described. The indications, precautions and contraindications of BSE will be remarked. The importance of BSE in the productive system will be described. In addition a lab showing the different aspects of BSE will
be demonstrated.

**Cattle Foot Trimming – Sara Howard, DVM**

A review of routine foot trimming in cattle, as well as corrective trimming and other treatments for common issues and diseases of the foot.

**Dehorning Cattle and Goats – Jordan Baker, LVT**

In this lecture I will discuss a technician's role when dehorning cattle and goats. I will elaborate on the procedures as well as what supplies and instruments you will want to have ready. I will also be talking about disbudding goat kids.

**Dystocia in Ruminants – Sara Howard, DVM**

This lecture will discuss common problems with parturition and techniques to correct and facilitate delivery in dystocia. It will also cover basics of C-sections (prepping the patient as well as treatment pre and post op).

“**Help Me, I Really Need to Go**” – The Blocked Goat: Assessing & Assisting in Relieving the Urethral Blockage – Sheila Gibler, LVT

This lecture will discuss the causes of urethral blockages in goats; diagnostics to determine the type of blockage and medical and/or surgical intervention options.


Causes of recombency in camelids (alpacas and llamas) will be reviewed including metabolic, neurologic and other causes. Management of downed camelids will be discussed.

**Pregnancy Toxemia: To Kid or Not to Kid– Stephanie Wertman, LVT**

This is an overview of a potentially fatal metabolic disease in pregnant goats. Technicians will learn the importance of prevention, nutrition, early diagnosis, treatment options and possible outcomes of this disease and therefore, help clients better understand pregnancy toxemia.

**Routine Farm Animal Vaccinations – Jordan Baker, LVT**

In this lecture we will discuss which regular vaccinations common farm animals should receive; at what age and other common considerations. Topics will include cattle, sheep,
This Little Piggy Went to Market – Brandon Dominguez, DVM

Technicians will be introduced to roles and information they can use to assist the practice they are in with swine patients that are destined for the food industry. Topics will include stages of swine production, basic management, handling pigs, sample collection, Pork Quality Assurance principles, and other issues involved with getting pigs to pork chops.

Trichomoniasis in Cattle – Phillippa Gibbons, B. Vet. Med, MS, DACVIM (LAIM)

A review of the disease Trichomoniasis in cattle will be presented. The current regulations regarding trichomoniasis testing in Texas and other states will be discussed.

Professional Development – Mark Francis Room

A Day in the Life of a Veterinary Technician in Research – Mary Saunders, LVT
Certified Canine Rehabilitation Practitioners Course - Abby Rafferty, LVT, CCPR

The first part of this session will discuss the life of a research technician, how to become a research technician and the many different avenues this technician. The second part, will discuss how to become a rehabilitation technician and how to become certified. The instructor will discuss her time at the University of Tennessee taking their Certified Canine Rehabilitation Practitioner course.

A Technicians Role in AAHA Accreditation – Lisa Lopshire

The American Animal Hospital Association (AAHA) is the only exclusive companion animal veterinary association that accredits small animal practices in North America. Over 3,500 accredited practices adhere to the highest standards in the industry and veterinary technicians play an integral role in the accreditation process. This session will describe the process for becoming an accredited practice, the AAHA Standards of Accreditation, and benefits for your practice.

Avenues for Becoming an LVT – Traditional vs. On-Line – Amanda Friedeck, LVT
Veterinary Technology Education: The Traditional Classroom Approach - Liz Kelley, LVT
First section of this lecture will cover the process of a distance learning associates degree in Veterinary Technology and how it prepares you for taking both the VTNE and the State Board Exam. The instructor’s personal experience is with San Juan College in New Mexico and what it takes to be successful in their program. The second section of this lecture will discuss the instructor’s choice to study veterinary technology in a traditional classroom. The Veterinary Technology program at Blinn College, Bryan Campus will also be review.

**How to Become a Small Animal Veterinary Technician Specialist – Katy Waddell, LVT, VTS (ECC, Anesthesia); Tommy Koenig, LVT, VTS (Dentistry); Paula Plummer, LVT, VTS (ECC, SAIM); Cheryl Coartney, RVT, VTS (ECC)**

Come to this hour presentation and learn how to become a veterinary technician specialist in emergency and critical care, anesthesia, dentistry and small animal internal medicine. Experience level, case log requirements, case reports, continuing education and general information about the academies will be reviewed.

**Veterinary Technician Specialty Workshop – Katy Waddell, LVT, VTS (ECC, Anesthesia); Tommy Koenig, LVT, VTS (Dentistry); Paula Plummer, LVT, VTS (ECC, SAIM)**

Come one, come all, to this free workshop for veterinary technician specialty applicants and interested technicians!! Technician specialists who are members of a variety of academies, will answer questions about the different specialties, application, and anything related to the exam process. This will be a two-hour casual workshop.

**What Else is Out There? Another Option for an LVT – Teresa Shisk-Saling, LVT**

**Advanced Imaging in Large Animal Medicine: Obtaining Radiology Certification - Holye Callis, LVT, BS, RT (MR)**

Looking for something different? Have a knack for beakers and graduated cylinders? Have you ever thought about working in a diagnostic lab? Come see how using your clinical experience can work to your advantage in securing a truly unique job. If the laboratory setting is not your cup of tea, maybe obtaining a radiology certification in advanced imaging is. The certification program and the benefits of the program will wrap up the vet tech alternatives in the lecture.
**Small Animal – Room 5**

Feline Case Vinettes – John August, DVM, DACVIM

A series of short case studies will be presented, illustrating important concepts in feline endocrine, gastrointestinal, infectious, and degenerative diseases. Using their cell phones or tablets, audience members will have the opportunity to submit their own opinions and recommendations anonymously about case management decisions.

Anesthesia Case Discussion – Caleb Coursey and Tina Brunnet, LVT

In this lecture we will have an open forum to discuss recent challenging cases that you present. We will discuss drug selection, dose ranges, multi modal therapy, and monitoring techniques. We will have cases to present, but please feel free to bring your own to discuss. This lecture will bring a round table style discussion to a lecture hall atmosphere.

Anesthesia for the Neonatal & Pediatric Patient – Tina Brunnet, LVT

This lecture will detail the information that an anesthetist needs when providing general anesthesia to small animal patients less than 5 months of age. We will discuss the pre-anesthetic, anesthetic and recovery stages as well as the functional differences of the still developing body systems of these high risk patients.

Anesthesia in the Cardiac Patient – Caleb Coursey

In this lecture we will have a very basic review of cardiac physiology, followed by an open discussion of anesthetic plans and protocols. We will discuss pre-anesthetic evaluation, case planning, drug selection, and things to watch for to minimize complications.

Creating and Maintaining and OR in Any Critical Setting: Pearls of Wisdom from Years of Experience – Elizabeth Scanlin

This is an interactive presentation where the lecturer and the audience, working together as a team, will think critically about the actions that should be taken when setting up and running an operating room. The goal is to identify best practices in order to provide the best medical/surgical care for your patient no matter if you work in a small private practice or a specialty referral clinic.
Dysuria: Dealing With the Blocked Cat - Katy Waddell, LVT, VTS (ECC, Anesthesia)

In this lecture we will cover some of the predisposing conditions that may lead to a urethral blockage in the feline patient. A case presentation will follow the patient from owner recognition of the emergent situation thru the triage and management phases.

Field Management of Wounds & Fractures – Wendy Greathouse, BS

This lecture will give appropriate treatment options for fractures and wounds in the clinic and field.

Preventing & Responding to Multiple Drug Resistant Organism’s in Your Hospital – Dana Whitaker, LVT

This class will discuss why Veterinary Clinics are seeing more frequent cases of MDRO’s, ways you can plan ahead to prevent MDRO’s, and how to respond when you have confirmed cases of MDRO in your clinic.

Superficial Thermal Therapies, Passive Range of Motion and Basic Nursing Care of the Rehabilitation Patient – Abby Rafferty, LVT, CCPR

Superficial thermal therapies, Passive range of motion and modalities for the rehabilitation patient. This lecture will discuss the how-to, why and when of using superficial thermal therapy, the benefits of passive range of motion and to properly accomplish this and we will also talk about the different modalities that are available for the rehabilitation patient (at home and in hospital) such as the aquatic treadmill and hands-on exercises.

What Every Technician Should Know About Feline Hyperthyroidism - Paula Plummer, LVT, VTS (ECC, SAIM)

Occurrence of Hyperthyroidism in our feline patients is common. Every technician should understand basic physiology, clinical signs, different diagnostic methods, treatment options and client education. This session will also include how to find that enlarged thyroid gland and how to understand our feline hyperthyroid patients so we, as technicians, can be better patient advocates.
Small Animal – Room 101

Advanced Patient Monitoring: Putting the Puzzle Together - Lori Atkins, LVT, VTS (ECC)

You have been caring for a critically ill patient and diligently recording vital signs, SpO₂, blood pressure, ETCO₂, and arterial pressures. Your treatment sheet reflects columns of numbers, but what do they mean? This lecture will focus on patient monitoring and what the findings mean for your patient. We will cover proper use, expected findings, and recognition of changes/trends for your patient. How do you see the big picture from all the small puzzle pieces?

Canine Chronic Kidney Disease – Timothy Bolton, DVM

Chronic kidney disease is a syndrome characterized by an irreversible, progressive loss of kidney function that results in the retention of nitrogenous waste products (BUN and creatinine), acid-base disturbances, anemia, and high blood pressure. In many cases, no specific underlying or inciting cause is identified. Early recognition of this syndrome is important, as early treatment intervention and monitoring can slow progression of this disease. This lecture will focus primarily on "progression" pushers of chronic kidney disease and the specific treatment for these in order to slow progression. It will also briefly touch on pathophysiology of chronic kidney disease as well as known diseases that can cause it.

Cushing’s in the Canine and It’s Conformation by Endocrine Diagnostic Testing – Scott Jaques, PhD

Cushing’s disease is a clinical disease. The discussion will include a small portion of the history of Cushing’s. The majority of the discussion will center on the different tests to confirm Cushing’s and what to expect on the different tests for confirmation. Topics that relate to Cushing’s as far as other influences Cushing’s may have on other endocrine functions will also be addressed. Treatment of Cushing’s will be covered and what test(s) appear to be the best for monitoring therapy. Sample handling of differential testing between adrenal dependent and pituitary dependent Cushing’s will be touched upon as to what is best. To end the discussion, some note-worthy cases will be presented with interesting outcomes.

Diagnostic and Therapeutic Approach to Acute Liver Failure – Romy Heilmann, DVM
Lecture description: In this lecture (50 min) we will discuss the approach to patients (mostly dogs) that present in acute liver failure. We will cover triage of patients that present in acute liver failure, differential diagnoses for acute liver failure in dogs, minimum database and further diagnostic tests that should be performed in acute liver failure patients, initial stabilization of patients in acute liver failure, further diagnostics (such as liver biopsy) to determine cause and prognosis, and treatment of acute liver failure in dogs. This will be followed by the presentation of a canine case of acute liver failure seen at the Texas A&M University Small Animal Veterinary Medical Teaching Hospital, and a 5-10 minute discussion of questions that the conference attendants may have.

I Love to Hate the Coagulation Cascade - Katy Waddell, LVT, VTS (ECC, Anesthesia)

This lecture will provide the normal hemostasis process and will include diagnostic testing for some coagulopathies affecting both primary and secondary hemostasis. The coagulopathies will be broken down into diseases that affect primary and secondary hemostasis. The ability to recognize and understand the physiological process involved in coagulation will enhance the technician’s ability to provide patient care in the emergent or critical care area.

Interpretation of Arterial Blood Gases - Paula Plummer, LVT, VTS (ECC, SAIM)

How many of you have studied, read articles or listened to lectures about how to read an arterial blood gas and still don’t completely understand? After this lecture you will be able to say, “I understand now!” Basic physiology, as well as understanding the disturbances and interpretation the blood gas will be discussed in this lecture. It will be wrapped up by practicing on cases seen in the past.

Patient Triage: Who Goes First? – Lori Atkins, LVT, VTS (ECC)

This lecture will focus upon patient assessment with specific emphasis on prioritization. Suppose an HBC presents with multiple traumatic injuries including hemorrhage, head injury, open fractures, and dyspnea. Which concern should be addressed first? When you are presented with multiple patients, which should be seen first? This lecture is an interactive format designed to help improve your triage skills.

The Diagnosis of Infectious Disease in Texas at TVMDL – Amy Swinford, MS, DVM

The rapid and accurate diagnosis of infectious diseases in the canine is often challenging yet imperative for the appropriate management of the patient. The Texas
A&M Veterinary Medical Diagnostic Laboratory (TVMDL) offers a wide variety of diagnostic testing options that aid veterinarians and clinic staff in making correct diagnoses, leading to successful therapeutic strategies and preventive care. Learn about some of the tests for infectious diseases and tips for using the services offered at TVMDL to improve the care of the canine patient.

LABS

LARGE ANIMAL

Bull Breeding Soundness Exams (limit 10) – Juan Romano, PhD, MS, DVM and Sheila Gibler, LVT

Breeding Soundness examination in bulls, rams and bucks will be described. The indications, precautions and contraindications of BSE will be remarked. The importance of BSE in the productive system will be described. In addition a lab showing the different aspects of BSE will be demonstrated.

Equine Anesthesia Recovery (limit 10) – Alec Green

This lecture will discuss the steps of anesthetizing a horse, from induction to recovery. It will discuss different types of recovery and problems that can occur.

Understanding the Equine Lameness Exam (limit 12) – Sara Sammons, DVM and Heidi Gaddis

Lameness is the most common cause of poor performance in the equine athlete. Lameness diagnostics are becoming more advanced, but the basic musculoskeletal exam and lameness evaluation has not changed over the years. Palpation, hoof tester exam, and flexion tests are all integral parts of a thorough lameness evaluation. Diagnostic nerve blocks and/or intra-synovial blocks can help to further localize the lameness. Finally, imaging of the affected area can identify the cause.
**SMALL ANIMAL**

**Small Mammal and Avian Handling (limit 15) – Jennifer Perkins, LVT and Teresa Shisk-Saling, LVT**

This lab is an overview of safe handling techniques for the veterinary technician. Basic avian handling will be demonstrated for physical exams, venipuncture, grooming procedures, and tube feeding. Utilizing *Columba Livia*, domestic pigeon, as a model for avian handling, technicians will learn or review their skills and technique. The lab will provide participants to practice their handling skills on rabbits for physical exams, venipuncture, and oral exam as well. Handling of other species of mammals will be demonstrated.

**Large & Small Animal Parasitology (limit 32) – Thomas Craig, PhD, MS, DVM, BS, DACVM**

Laboratory techniques can vary from the identification of an arthropod, evaluation of fecal samples, to the separation of microfilariae and evaluation of blood smears. The ability to do any of these techniques depends a great deal upon the previous experience and education of the person involved. Depending on the clientele of the veterinary practice, different tests will be used more commonly in different practices. This lab will familiarize technicians with a variety of techniques designed to aid in the detection of parasites.

**Perianesthetic ECG Workshop (limit 24) – Dr. Bruno Boutet, DVM**

This workshop will look at common arrhythmias during the perianesthetic period of canine and feline patients. After reviewing basic cardiac electrophysiology and heart rate calculation, technicians will learn about brady and tachyarrhythmias associated with typical veterinary anesthetics, when to alert your veterinarian to problems, and drugs to have available if treatment is initiated. This workshop will be set up as a hands-on learning environment, and questions will be encouraged.
* REGISTRATION INFORMATION *

Pre-registration is required for all veterinary continuing education conferences. Seminars are subject to cancellation when registration is inadequate to cover costs of the program.

Registration fees:

Individual Registration
    $150.00 through February 20, $200.00 after that date.

Student Registration – must be a current student in an accredited technician program
    $100.00 through February 20, $150.00 after that date

Practice Registration – 4 members of the same veterinary practice
    $425.00 through February 20, $525.00 after that date

For your convenience, 24 hour, 7-days-a-week fax registration service is available, in addition to registration by online, telephone and mail. Free, convenient parking is provided. You will receive maps with your registration confirmation letter. Please confirm that your registration has been received before purchasing airline tickets. Mailed registrations must be postmarked on or before February 20, to receive the early registration discount.

Office of Veterinary Continuing Education
College of Veterinary Medicine & Biomedical Sciences Texas A&M University
College Station, Texas 77843-4470
Phone (979) 845-9102  Fax (979) 862-2832
http://vetmed.tamu.edu/ce/events/cedetails?id=2628
* LOCATION *

All activities will be held at the College of Veterinary Medicine & Biomedical Sciences. The college is located on Raymond Stotzer Parkway in College Station.

If you are arriving via Highway 6, take the University Drive exit and proceed west on University Drive. The street becomes Raymond Stotzer Parkway and the college is on the right at the corner of Agronomy Road and Stotzer.

If you are arriving via Highway 21, exit Highway 47 at the Riverside Campus. Continue on Highway 47 until it intersects with Raymond Stotzer Parkway (also Highway 60), turning left toward the main TAMU campus. The college is on the left approximately one mile east of Easterwood Airport.

* CANCELLATIONS & REFUNDS *

If cancellation is made on or before 5:00 p.m. February 20, 2015, a refund of 80 percent of the registration fee will be given. We are unable to refund fees for non-attendance or if your cancellation is received after that date. If the registrant is unable to attend we encourage an alternate to be appointed in their place in lieu of cancellation.

* SPECIAL NEEDS *

If you are a person with a disability and desire any assistive devices, services or accommodations to participate in this conference, please contact us at phone (979) 845-9102, 8:00 a.m. to 5:00 p.m. CST, Monday through Friday.

* CONTINUING EDUCATION CREDITS *

You will receive a certificate awarding 11 hours of CE credit for full participation in the lectures and labs. A record of your CE participation at the College of Veterinary Medicine & Biomedical Sciences is kept on permanent file. Please sign in each day to receive full CE credit.
We have blocked rooms at the following College Station hotels. When making reservations, please mention the group code listed with the hotel, if indicated below.

Because of several community events that are taking place at the same time as the conference, please make hotel reservations as soon as possible.

<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Address</th>
<th>Phone Number</th>
<th>Room Type</th>
<th>Price</th>
<th>Release Date</th>
<th>Group Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best Western Premier</td>
<td>1920 Austin Colony</td>
<td>(979) 731-5300</td>
<td>$130.00 standard/king</td>
<td>$130.00</td>
<td>02/01/2015</td>
<td></td>
</tr>
<tr>
<td>Executive Inn and Suites</td>
<td>901 University Dr.</td>
<td>(979) 260-9150</td>
<td>$79.99 queen/king</td>
<td>$79.99</td>
<td>02/01/2015</td>
<td></td>
</tr>
<tr>
<td>Hampton Inn</td>
<td>320 Teas Ave. South</td>
<td>(979) 846-0184</td>
<td>$119.00 double/king</td>
<td>$119.00</td>
<td>02/20/2015</td>
<td>VTC</td>
</tr>
<tr>
<td>Hawthorn Suites</td>
<td>1010 University Drive</td>
<td>(979) 846-9800</td>
<td>$139.00 double/queen/king</td>
<td>$139.00</td>
<td>02/06/2015</td>
<td>CGVETT</td>
</tr>
<tr>
<td>Hilton</td>
<td>801 University Dr. East</td>
<td>(979) 693-7500</td>
<td>$139.00 queen/king</td>
<td>$139.00</td>
<td>02/01/2015</td>
<td></td>
</tr>
<tr>
<td>Hilton Garden Inn</td>
<td>3081 University Dr. East</td>
<td>(979) 703-7919</td>
<td>$129.00 queen/king</td>
<td>$129.00</td>
<td>02/02/2015</td>
<td>VTC</td>
</tr>
<tr>
<td>Holiday Inn Hotel &amp; Suites – Aggieland</td>
<td>2500 Earl Rudder Freeway</td>
<td>(979) 485-8300</td>
<td>$134.99 queen</td>
<td>$134.99</td>
<td>01/30/2015</td>
<td>CVM</td>
</tr>
<tr>
<td>Hyatt Place</td>
<td>1010 University Drive</td>
<td>(888) 591-1234</td>
<td>$139.00 double/queen/king</td>
<td>$139.00</td>
<td>02/06/2015</td>
<td>G-VETT</td>
</tr>
<tr>
<td>LaQuinta</td>
<td>607 Texas Ave. S</td>
<td>(979) 696-7777</td>
<td>$94.00 queen / king</td>
<td>$94.00</td>
<td>02/01/2015</td>
<td></td>
</tr>
<tr>
<td>LaSalle Hotel</td>
<td>120 S. Main St., Bryan</td>
<td>(979) 822-2000</td>
<td>$139.00 double/king</td>
<td>$139.00</td>
<td>02/01/2015</td>
<td></td>
</tr>
<tr>
<td>Staybridge Suites</td>
<td>1405 University Dr. E</td>
<td>(979) 485-2955</td>
<td>$169.00 king studio</td>
<td>$169.00</td>
<td>02/06/2015</td>
<td>VET</td>
</tr>
<tr>
<td>Super 8 College Station</td>
<td>301 Texas Ave S</td>
<td>(979) 846-8800</td>
<td>$87.99 double/king</td>
<td>$87.99</td>
<td>02/01/2015</td>
<td></td>
</tr>
</tbody>
</table>
*REGISTRATION*

Please enroll me in the 21th Annual Veterinary Technician Seminar to be held March 7 & 8, 2015

Name

Credentials (DVM, LVT, RVT, CVA etc)

Address

City, State, Zip

Business Phone

Fax Number

E-mail Address

Last 4 digits Social Security #

**Lecture Only**

Individual Registration

_____ $150.00 through February 20; $200.00 after that date

Student Registration – must be a current student in an accredited technician program

_____ $100.00 through February 20; $150.00 after that date

Practice Registration – 4 members of the same veterinary practice

_____ $425.00 through February 20; $525.00 after that date

_____ (LA) Bull Breeding Soundness Exams (limit 10, 2 hrs) .................. $ 75.00

_____ (LA) Equine Anesthesia Recovery (limit 10, 2 hrs) .................. $ 75.00

_____ (LA) Equine Basic (limit 15, 3 hrs) .................. $ 100.00

_____ (LA) Understanding Equine Lameness Exams (limit 12, 2 hrs) ........ $ 75.00

_____ (SA) Perianesthetic ECG Workshop – (limit 20, 2 hrs) .................. $ 50.00

_____ (SA) Large & Small Animal Parasitology Lab (limit 32, 4 hrs) .......... $ 100.00

_____ (SA) Small Mammal & Avian Handling (limit 15, 2 hrs) ................. $ 50.00

_____ VTS Workshop (unlimited participants, 2 hrs) ............................ $ N/C

Seminar Total ........................................................................................................ $ __________

Check # __________ (Payable to TAMU)  (Circle One) Visa  MC  Discover  AMEX
Card No. ___________________________________________________________________________3-Digit security code __________
Exp. Date __________ Cardholder’s Name ________________________________