

Technician Program

Tuesday, October 14

8:00 - 8:50 AM

GENERAL SESSION BREAKFAST

SPONSORED BY MERIAL, Ltd.!

Hall A

Speaker: Dr. Mike Conzemius

Topic: "Nonsurgical Management of Osteoarthritis and Pain"



Time	Track / Program	Speaker	Presentation Title	Abstract
9:00-9:50	Technician	Ms. Elaine Anthony	Erythrocyte Morphology	This session provides and overview of normal and common abnormal morphologic changes in erythrocytes. Emphasis is placed on morphologic changes that suggest specific diseases processes
9:00-9:50	Technician	Mr. Harold Davis	Triage in the Emergency Room	Triage is the sorting or prioritization of emergent patients, determining which are stable and which require immediate treatment. This discussion will cover telephone and waiting room triage.
9:00-9:50	Technician	Dr. Stuart Porter	Behavior Problems in Pet Birds	This program will cover the common behavior problems seen in pet birds which often result in chronic stress. This stress may result in medical problems such as feather picking, self mutilation, or injuries due to aggression.
10:00-10:50	Technician	Ms. Elaine Anthony	Leukocyte Morphology	This session provides and overview of normal and common abnormal morphologic changes in leukocytes. Emphasis is placed on morphologic changes that suggest specific diseases processes
10:00-10:50	Technician	Mr. Harold Davis	Nursing Management of the Shock Patient	Shock is a dynamic and complex syndrome; the focus of therapy and monitoring is oxygen delivery. Having a basic understanding of the pathophysiologic and compensatory mechanism of this complex syndrome, will aid the veterinary technician in meeting therapeutic and monitoring goals.
10:00-10:50	Technician	Dr. Stuart Porter	Avian Hematology	This program will cover blood collection and how to perform a CBC on avian species using manual methods.
11:00-11:50	Technician	Ms. Elaine Anthony	Practical Cytology	This session focuses on preparation and evaluation of samples for cytologic examination. Emphasis is on quality control in the in-house cytology lab. Normal and common abnormal components of a variety of types of cytology samples will be reviewed
11:00-11:50	Technician	Mr. Harold Davis	Monitoring The Critically Ill Patient: What Does It All Mean	This lecture will review a variety of monitoring parameters for the respiratory, cardiovascular, neurologic, and renal systems. This lecture will help the technician to sort out what it all means.
11:00-11:50	Technician	Dr. Stuart Porter	Common Disorders in Pet Rabbits and Rodents	This program will cover the common disorders seen in pet rodents such as mice, rats, gerbils, hamsters, guinea pigs, and chinchillas. It will also cover medical problems seen in pet rabbits.
11:30 AM - 6:30 PM		EXHIBIT HALL OPEN		Come check out all of the exhibitors' products and services!

12:00 - 1:30 PM		LUNCH		
12:00 - 1:00 PM		Lunch with the Professor Additional Cost of \$35		Dr. William Fortney Topic: Geriatrics
12:00 - 1:00 PM		Lunch with the Professor Additional Cost of \$35		Dr. Robert (Pete) Bill Topic: Pharmacology, Communications
1:45-2:30	Technician	Dr. Stuart Porter	Common Disorders in Pet Reptiles	This program will cover the common medical problems seen in pet snakes, lizards, and turtles.
1:45-2:30	Technician	Ms. Nancy Shaffran	Getting to the Heart of the Matter: Heart Disease and Heart Failure	A review of cardiac physiology. An overview of heart failure in dogs and cats including the most common causes and treatments as well as cardiac monitoring.
1:45-2:30	Technician	Ms. Julie Shaw-Lewis	Puppies Gone Wrong... - Part 1	Frequently adult dogs are seen for aggression issues which can be easily prevented through client education. This lecture will: 1) Describe the reasons puppies can become aggressive, 2) Describe risks and warning signs for potential problems, 3) Discuss the adverse side effects the "dominance theory" can have on these puppies.
3:05-3:45	Technician	Mr. Ed Robinson	Fecal Centrifugation and Sedimentation	We will discuss why it is important and how it is performed in the clinic. We will also discuss what we can find in these testing procedures.
3:05-3:45	Technician	Ms. Nancy Shaffran	Respiratory Disease and Emergencies	Rapid assessment and localization of respiratory problems including upper and lower airway, thoracic and other disorders that create respiratory distress. Using pulse oximetry, capnography and blood gas analysis to assess and treat respiratory disease.
3:05-3:45	Technician	Ms. Julie Shaw-Lewis	...And Right Again - Part 2 (Of Puppies Gone Wrong)	This lecture will follow numerous problem puppy cases seen at Purdue University's Animal Behavior Clinic. History, diagnosis, treatment plan, outcome and discussion will be covered. This lecture will demonstrate through video and lecture: 1) Treatment plans which were not successful, 2) High risk factors for each puppy described, 3) Treatment plans which were successful.
4:30-5:20	Technician	Mr. Ed Robinson	Parasitology Laboratory Diagnosis of Giardia Infection	We will discuss the parasite Giardia, its lifecycle, and why it is important. We will also discuss the tests that can be used to find the Giardia parasite and the best testing procedures to use.
4:30-5:20	Technician	Ms. Nancy Shaffran	Feline Heartworm Disease	New research has proven that feline heartworm disease is more common than previously believed, often fatal and completely preventable. Cats with acute heartworm have severe pulmonary signs and are often misdiagnosed as asthmatic or allergic. A close look at why feline heartworm disease has eluded the veterinary community and the public and the new thoughts on physiology and prevention.

4:30-5:20	Technician	Ms.Julie Shaw-Lewis	Clicker Training Cats	Can it be done? This lecture will demonstrate through video, techniques for training our feline friends.
4:30 PM - 6:00 PM	EXTENDED EXHIBITOR RECEPTION: WINE TASTING EVENT			Come check out all of the exhibitors' products and services while sampling different varieties of wine!

Technician Program

Wednesday, October 15

8:00 - 8:50 AM

GENERAL SESSION BREAKFAST

Hall A

SPONSORED BY FORT DODGE ANIMAL HEALTH!



Speaker: Dr. Larry Glickman, DVM, MS, PhD

Topic: ""Best Practices for Canine Leptospirosis Prevention - Are you appropriately protecting your patients?""



Time	Track / Program	Speaker	Presentation Title	Abstract
9:00-9:50	Technician	Dr. Robert (Pete) Bill	NSAIDs – Keeping up with all the changes	Non-steroidal antiinflammatories constitute one of the largest growing areas of veterinary therapeutics. These valuable drugs have done wonderful things for the practice of veterinary medicine, and yet there is a good deal of older information or myths circulating in the public that veterinary professionals must refute. This presentation will talk about these drugs, their actions, and some of the “myth-conceptions” that still exist about them.
9:00-9:50	Technician	Dr. Stuart Porter	Role of the Private Practice in Wildlife Care	This program will cover the policies, procedures, advantages, disadvantages, regulations, and potential problems which veterinary practices which care for injured and orphaned native wildlife. Knowing when and how to use euthanasia and working with wildlife rehabilitators will also be discussed.
9:00-9:50	Technician	Ms. Nancy Shaffran	Current Concepts in Pain Management	An update on what is happening with veterinary pain management in general and how to bring the state of the art to practice. Creative solutions for the myths and problems we face in recognizing and effectively treating pain in companion animals.
10:00-10:50	Technician	Dr. Robert (Pete) Bill	Shake, Rattle, and Roll – Understanding Anticonvulsant Therapies	Epilepsy and seizure activity in an animal are frightening to the animal owner and could be life threatening to the animal. This lecture will discuss what medications are used, why they are used, what are some misconceptions about the use of these drugs, and what veterinary technicians need to know when communicating with clients whose pets are on these medications.
10:00-10:50	Technician	Dr. Stuart Porter	Restraint and Anesthesia of Native Wildlife	This program will cover manual and chemical restraint of the common wild mammals, birds, and reptiles seen by veterinary practitioners. Restraint aids, injectible drugs, and inhalation anesthesia will be stressed.
10:00-10:50	Technician	Ms. Nancy Shaffran	Wind - Up Phenomenon in acute and chronic pain	Wind-up phenomenon is a very important newly understood concept in pain management. Many patients stop responding to common analgesic drugs due to spinal cord wind-up. Wind-up will be explained and the drugs used to manage and prevent it will be introduced.
11:00-11:50	Technician	Dr. Robert (Pete) Bill	How to Keep from Poisoning Your Patients – Common Therapeutic Accidents and How to Avoid Them.	It is absolutely amazing what animals will eat. And it is equally astounding how many poisonous substances exist in today’s modern home. Much of good veterinary medicine related to toxicology is educating the public about potential poisons and how to prevent their animals from encountering them. This lecture will discuss a few of the traditional poisons, but will also examine some of the newer threats. Also included will be substances that seem to be toxic but actually aren’t.

11:00-11:50	Technician	Ms. Aggie Kiefer Sponsored by Nutramax	Opportunities for Technicians in 2008 and Beyond	
11:00-11:50	Technician	Ms. Nancy Shaffran	Do You Have the Nerve to Block? Local Anesthetic and Nerve Block Techniques	Blocking the transmission of painful signals is one of the most effective ways of managing pain. Many blocks that are routinely performed by veterinary nurses will be described including dental blocks. Using lidocaine as a systemic blocking agent by constant rate infusion and other used for local anesthetics.
11:30 AM - 6:30 PM		EXHIBIT HALL OPEN		Come check out all of the exhibitors' products and services!
12:00 - 1:30 PM		LUNCH		
12:00 - 1:00 PM		Lunch with the Professor Additional Cost of \$35		Dr. Susan Little Topic: Feline Topics
12:00 - 1:00 PM		Lunch with the Professor Additional Cost of \$35		Dr. Stuart Porter Topic: Avian/Exotic/Wildlife Medicine
1:45-2:30	Technician	Mr. Harold Davis	Venous Access	Intravenous access can literally be the difference between life and death in the emergent or critically ill patient. Several factors must be taken into consideration when preparing to gain intravenous access. This discussion addresses those factors as well as provides some alternatives when IV access is difficult.
1:45-2:30	Technician	Ms. Donna Meier	Introduction to Ultrasonography	Technical aspects, and clinical applications of ultrasound.
1:45-2:30	Technician	Ms. Julie Shaw-Lewis	"Can You Hear Me Now?": Interpreting Canine Communication - Part 1	Growling, biting and other aggressive threats are a normal part of the canine communication repertoire. If a veterinary professional can recognize a potentially aggressive situation early in the interaction they can then make appropriate changes in their actions and in the environment to prevent the dog from escalating its communication to the next level - which may include biting. At the end of this lecture participants will be able to: 1) Interpret offensive and defensive body language, 2) Understand what ritualized conflict behaviors are, 3) Prevent injury by identifying conflict behaviors and reacting appropriately
3:05-3:45	Technician	Mr. Harold Davis	Fluid Therapy for Veterinary Technicians	Fluid therapy can be an integral component to the management of the critically ill patient. This discussion will address the development of the fluid therapy plan.
3:05-3:45	Technician	Ms. Donna Meier	Wound Management	Technicians will gain knowledge of the physiology of wound healing and what factors will deter or progress a wound in its healing process.
3:05-3:45	Technician	Ms. Julie Shaw-Lewis	"NOW We're Talking": Interpreting Canine Communication - Part 2	Learn it, do it, teach it is the philosophy behind this lecture. This lecture will be very interactive and stimulating. Attendees will be given a description of the environment and other background information for a dog, followed by a corresponding video. Attendees will then be asked "what is the dog saying?". Discussion will follow as to what their response to the situation should be.

4:30-5:20	Technician	Mr. Harold Davis	Critical Care Essentials	This discussion focuses on the “essentials” needed to provide nursing care to the critically ill patient. Topics include patient assessment, CRI’s, catheter care etc.
4:30-5:20	Technician	Ms. Donna Meier	Introduction to Doppler Ultrasound	What is Doppler ultrasound and what are its uses.
4:30-5:20	Technician	Ms. Julie Shaw-Lewis	A Puppy School Model – Purdue University	This lecture will incorporate video and photos to demonstrate puppy classes held at Purdue University’s Animal Behavior Clinic. Much of the puppy parent orientation material will be discussed along with videos demonstrating normal and abnormal puppy play and specific problem prevention topics covered in the ABC puppy school. At the end of this lecture participants will be able to: 1) Differentiate between normal and abnormal puppy interactions, 2) Desensitize a puppy to novel situations, 3) Present the most up-to-date training, management and puppy/owner relationship developments to their clients
4:30 - 5:30 PM		EXTENDED EXHIBITOR RECEPTION		Come check out all of the exhibitors' products and services!
		6:30 - 9:00 PM: WEDNESDAY NIGHT DINNER PARTY at the TAJ!		
Sponsored by Nestle Purina!				

**Technician Program
Thursday, October 16**

8:00 - 8:50 AM

**GENERAL SESSION BREAKFAST
Hall A**

SPONSORED BY NESTLE PURINA!

Speaker: Dr. Margie Scherk, DVM, DABVP (Feline)

Topic: "Growing Old Gracefully:

An overview of healthcare management



Time	Track / Program	Speaker	Presentation Title	Abstract
9:00-9:50	Technician	Ms. Lynne Johnson Sponsored by Pfizer Animal Health	Sneezes, Coughs and Such: Understanding Equine URI's	Horses do many things. There are numerous diseases and conditions that impact the respiratory track of the horse. We will review the common respiratory issues facing horses today.
9:00-9:50	Technician	Ms. Aggie Kiefer Sponsored by Nutramax	Overview of Nutritional Supplements	
9:00-9:50	Technician	Dr. Marti Drum	Physical Rehabilitation Techniques and Practices	Physical Rehabilitation Techniques and Practices will be discussed.
10:00-10:50	Technician	Ms. Lynne Johnson Sponsored by Pfizer Animal Health	The Parasite Puzzle: The Myths and Misunderstandings of Equine Parasitism	This presentation will review the commonly used equine anthelmintics and some suggestions on how to incorporate them into an Equine Wellness Program.
10:00-10:50	Technician	Ms. Aggie Kiefer Sponsored by Nutramax	Healthy Joints - Happy Pets - Contented Clients	
10:00-10:50	Technician	Dr. Marti Drum	Therapeutic Exercises	Therapeutic Exercises will be discussed.
11:00-11:50	Technician	Ms. Lynne Johnson Sponsored by Pfizer Animal Health	Bio-Security and the Role of Veterinary Team	Bio-security is not rocket science, it's just common sense. We will review current thoughts and protocols on keeping equine farms safe and healthy.
11:00-11:50	Technician	Ms. Jeannie Willems Sponsored by Nutramax	Horse Ownership for the Novice- The Technicians Role	Owing a horse is a luxury and privilege as well as a responsibility. Responsible horse ownership begins with education. Here are ten considerations one should research before becoming an equine owner. As a vet tech, it is part of our job to help our clients before, during, and after owing a horse.
11:00-11:50	Technician	Dr. Marti Drum	Aquatic Therapy Protocol Development	Aquatic Therapy Protocol Development will be discussed.
10:45 AM - 1:30 PM	EXHIBIT HALL OPEN			Come check out all of the exhibitors' products and services!
12:00 - 1:30 PM	LUNCH			
12:00 - 1:00 PM	Lunch with the Professor Additional Cost of \$35			Dr. Clarke Atkins Topic: Heart Disease

12:00 - 1:00 PM		Lunch with the Professor Additional Cost of \$35		Dr. Tim Crowe Topic: Emergency/Critical Care
1:30-2:20	Technician	Dr. Nancy Loes Sponsored by Nutramax	"Oxygen Behaving Badly": Managing Oxidative Stress	Normal utilization of oxygen creates potentially damaging pro-oxidants that can injure or destroy cells and tissues. Participants in this presentation will learn how antioxidants defend against the harmful effects of pro-oxidants as well as understand the recommendation of antioxidant supplementation for a variety of conditions and health concerns.
1:30-2:20	Technician	Ms. Donna Meier	Digital Radiography	Overview of Digital radiography
1:30-2:20	Technician	Ms. Donna Oakley	Hemostatic Support: What Are Our Options?	When a patient presents with abnormal bleeding, a basic understanding of the physiology of hemostasis is needed to determine the cause. Blood components will most likely be the mainstay of therapy in most animals that are actively bleeding as a result of a primary or secondary hemostatic defect; however, as blood products are often in short supply and adverse events continue to unfold regarding reactions to blood transfusion, alternative therapies should be utilized when appropriate. This hour will include an overview of the hemostatic mechanism, as well as blood components and pharmacologic hemostatic agents available for use in these bleeding patients.
2:30-3:20	Technician	Dr. Nancy Loes Sponsored by Nutramax	Good Fats, Bad Fats: Understanding Fatty Acids	The benefits of essential fatty acids (EFAs), especially long chain omega-3 fatty acids DHA and EPA, are becoming increasingly substantiated and highlighted for many organs and systems (including the heart, brain, kidneys, joints and skin) and overall wellness. This presentation provides an overview of terminology, basic biochemistry and the rationale for the recommendation of long-chain fatty acids for a variety of issues.
2:30-3:20	Technician	Ms. Donna Meier	Infectious Diseases/ Leptospirosis in Canines	Prevention, diagnosis and treatment of Leptospirosis in Canines.
2:30-3:20	Technician	Ms. Donna Oakley	Blood Transfusion: Monitoring for Adverse Events - Part I	The veterinary nurse plays a critical role in supporting the bleeding patient. Involvement with patient triage, blood component procurement and administration, as well as consistent and careful monitoring is key to successful transfusion therapy. In this hour, donor screening, compatibility issues, blood product preparation, administration guidelines, patient monitoring and transfusion reaction classification and treatment will be discussed.
3:30-4:20	Technician	Dr. Nancy Loes Sponsored by Nutramax	Hope for Hepatocytes: Liver Support Supplements	Management of liver issues is often a challenge. Learn about two very interesting and timely supplements for the liver: S-Adenosylmethionine and Silybin (the active component of the silymarin extract from milk thistle). Both compounds have been shown to increase glutathione (a potent anti-oxidant) levels and have multiple benefits as adjuncts to traditional choices for the compromised liver.
3:30-4:20	Technician	Ms. Donna Meier	Bandaging	Continuation of wound management and how bandaging can assist in the healing process.

3:30-4:20	Technician	Ms. Donna Oakley	Blood Transfusion: Monitoring for Adverse Events - Part 2	The veterinary nurse plays a critical role in supporting the bleeding patient. Involvement with patient triage, blood component procurement and administration, as well as consistent and careful monitoring is key to successful transfusion therapy. In this hour, donor screening, compatibility issues, blood product preparation, administration guidelines, patient monitoring and transfusion reaction classification and treatment will be discussed.
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