

Lindsey CS Howard RVT, VTS (ANESTHESIA/ANALGESIA)

BluePearl Veterinary Partner: Louisville, KY

(231)638-3594

UTLin9@yahoo.com

Lindsey Howard RVT, VTS (ANESTHESIA/ANALGESIA) Speaker Bio:

Lindsey Howard has been working in veterinary medicine for over 17 years. Upon graduation from technician school she spent six years working for The University of Tennessee's College of Veterinary Medicines small animal anesthesia and critical care departments. While working at the university she became intrigued by advanced anesthesia and analgesia. During her time at UT she decided to pursue her veterinary technician specialty in anesthesia, and achieved specialization in anesthesia in 2008. She is currently working at BluePearl Veterinary Partners as well as serving on the Academy of Veterinary Technician Anesthetists (AVTA) Board of Regents as a Member at Large. She enjoys speaking nationally to technicians on anesthesia related topics and has co-authored a JAVMA article titled: **CORRELATION BETWEEN END TIDAL CO₂ MEASURED VIA A NASAL CATHETER AND ARTERIAL CO₂ IN DOGS ADMITTED TO THE INTENSIVE CARE UNIT.**

Her areas of interest include multimodal analgesia and total intravenous anesthesia.

Lecture Title: Creating Anesthesia Protocols/Common Anesthetic Drugs: Part One

Description: This session is a two part comprehensive review outlining proper patient work-up/considerations and anesthetic protocol selection. This session focuses on the technicians roll in anesthetic protocol creation and understanding important preoperative testing results.

Lecture Title: Creating Anesthesia Protocols/Common Anesthetic Drugs: Part Two

Description: The second half of this session provides a comprehensive review of commonly used anesthetic drugs. I will touch on drug classifications, common drug dosages, duration of action, and routes of administration. I will also discuss indications/contraindications, and drug interactions. Drug classes included: Anticholinergics, benzodiazepines, tranquilizers, alpha 2 agonists/antagonists, and multiple opioid classes. This class is a great refresher course and also provides advanced insight on anesthetic drug selection and considerations for small animal patients.

Lecture Title: Constant Rate Infusions (CRI) 101

Description: This lecture will focus on the administration of drugs as a constant rate infusion and their importance in small animal anesthesia. I will discuss drugs commonly given by CRI as well as multiple ways to calculate and administer these to your small animal patients.

Lecture Title: Tell me where it hurts: Understanding pain and how to treat it

Description: This lecture provides an explanation of the pain process. Once the process of how we get from prick to ouch is explained I will discuss the importance of multimodal analgesia (utilizing different drug classes and techniques to prevent or control pain.) Different types of analgesics and analgesic techniques (including local nerve blocks) will be explored as treatment and prevention of pain in small animal patients.

Lecture Title: Advanced Anesthesia Monitoring for Veterinary Technicians Part one

Description: This advanced monitoring lecture will explore multiple different patient monitoring modalities. I will begin with simple monitoring techniques/modalities and work my way toward more advanced techniques/modalities and their importance in small animal anesthesia. Emphasis will be placed on the technicians roll on proactive patient monitoring pre, intra and post operatively.

Lecture Title: Advanced Anesthesia Monitoring for Veterinary Technicians Part two

Description: This is a continuation of the previous hours lecture.

Lecture Title: Beyond Breathing and Beating: Troubleshooting Anesthetic emergencies and Complications

Description: Ever wonder how some people can be so level headed in an emergency? This lecture will explore common anesthetic emergencies and complications. I will provide a simple step by step approach of how to problem solve during these stressful events. Topics will include hypotension, hypertension, bradycardia, tachycardia, hypocarbia, hypercarbia, and anesthetic machine or equipment complications.

Lecture title: Anesthetic equipment and maintenance: Extending the life of your machine

Description: This lecture reviews the working parts of anesthetic machines and reviews proper care and cleaning required to keep your equipment working properly. Emphasis will be placed on the technicians roll in preventative maintenance to prevent the need for machine repair and replacement.

Lecture title: Proper Cleaning, packaging and sterilization of surgical instruments

Description: This lecture walks technicians thru the common types of sterilization techniques used in veterinary medicine. I provide proper cleaning and sterilization guidelines for use in small animal medicine as well as general information on steam, EO, and less commonly used modalities of sterilization.

Under pressure: The who, what, where, when and why of blood pressure measurement

Description: The lecture discusses what blood pressure is and why it is an important tool in veterinary medicine. This talk outlines common ways to obtain blood pressure, what causes abnormalities, and how to treat it in small animal patients. Many clinical tips and tricks are included to help technicians in a clinical setting.

Achieving Veterinary Technician Specialty Certification, what's all the fuss about?

Description: This lecture explains all of the current areas of VTS certification and some general information on how you can get started on your own path to achieving a VTS. I will also highlight some of the advantages of advanced certification.

Professional Presentations

-University Of Tennessee College of Veterinary Medicine May 2008

-“Constant Rate Infusion Calculations and Administration”, One hour of lecture

-Tennessee Veterinary Technician Association Fall Conference, October 2008

-“Anesthesia Monitoring for Veterinary Technicians”, One hour of lecture

-“Creating Anesthesia Protocols”, One hour of lecture

- International Veterinary and Emergency Critical Care Symposium, Sept. 2009

- “Jack Mara Team Training”, Four hours of group discussion/lecture about Peri-surgical monitoring for critical patients

- Minnesota Veterinary Technician Association 2010 Conference, Feb. 2010

- “Advanced Anesthesia Monitoring for Veterinary Technicians”, Two hours of lecture

- “Trouble shooting Anesthesia Equipment” Two and a half hours of lab

- LVSES Technician CE Presentation, Feb. 2010

- “Advanced Anesthesia Monitoring for Veterinary Technicians”, One and a half hours of lecture

-Mid-American Veterinary Conference, Oct. 2010

- “Advanced Anesthesia Monitoring for Veterinary Technicians”, One and a half hours of lecture

- “Creating Anesthesia Protocols and Commonly Used Anesthetic Drugs”, One and a half hours of lecture

-LVSES Technician CE Presentation, April 2011

- “Tell me where it hurts, Understanding pain and how to treat it”, One and a half hours of lecture

-LVSES Technician CE Presentation, September 2011

- “Beyond Breathing and Beating, Troubleshooting anesthesia complications”, One and a half hours of lecture

-International Veterinary and Emergency Critical Care symposium, Sept 2012

- “Jack Mara Team Training”, Four hours of group discussion/lecture about management of critical anesthetic cases using injectable anesthetic techniques

-Southwestern Veterinary Symposium, September 2012

- “Beyond Breathing and Beating, Troubleshooting anesthesia complications”, One hour of lecture
- “Tell me where it hurts, Understanding pain and how to treat it”, One hour of lecture
- “Creating Anesthesia Protocols and Commonly Used Anesthetic Drugs”, One and a half hours of lecture
- “Advanced Anesthesia Monitoring for Veterinary Technicians”, One and a half hours of lecture
 - Constant Rate Infusion Calculations and Administration”, One hour of lecture

Mid-American Veterinary Conference, Oct 2012

- “Tell me where it hurts, Understanding pain and how to treat it”, One hour of lecture

BluePearl Veterinary Partners Technician CE Presentation, April 2013

- “Anesthesia Equipment, Extending its Life” One and a half hours of lecture

BluePearl Veterinary Partners Technician CE Presentation, Nov 2013

- “_Proper Cleaning, packaging and sterilization of surgical instruments” One hour of lecture

BluePearl Veterinary Partners Technician CE Presentation, Jan 2014

- “Advanced Anesthesia Monitoring for Veterinary Technicians” One and a half hours of lecture

Mid-American Veterinary Conference, Sept 2014

- “Beyond Breathing and Beating, Troubleshooting anesthesia complications”, One hour of lecture
- Under Pressure, Blood Pressure Measurement Techniques and Tips for Veterinary Technicians”, One hour of lecture

BluePearl Veterinary Partners Technician CE Series, Jan 2015

- “Beyond Breathing and Beating, Troubleshooting anesthesia complications”, One hour of lecture

Mid-American Veterinary Conference, Sept 2015

- “Advanced Anesthesia Monitoring for Veterinary Technicians” Two hours of lecture