Business Name: Certificates on Demand **Website: www.certficates-on-demand.com** **2024**

Course: Virtual Anesthesia workshop ~4-hour Completion Course; this course is virtual and interactive, it's designed for both non-CVT's and CVT's; **for CVT's, this course offers 4 hours of CEU's state approved course**

Instructor Bio: Tricia K. Elliott, MS, CVT, RVT, Certified Radiology Safety Instructor, Vendor License# 9550458 (Owner of business)

*Registered/ Certified Veterinary Technologist for over 24 years -small animal, exotic and surgical specialty practice

*Master's degree in Animal /Veterinary Science and Agricultural Science

*Veterinary Technology Instructor for over 12 years at both 2- and 4-year institutions (private and public)

*Natural Science Instructor at Oregon Institute of Technology (Anatomy/Physiology, Chemistry, Parasitology and Histology)

*Former wildlife biological technician for the USFS (studied Northern Spotted Owls and Raptors)

Instructor Contact Information: Phone-714-271-6042; Email-elliott.tricia@gmail.com

Course Description: Pre, intra, postoperative anesthesia--Monitoring and anesthetic equipment--Patient considerations, normal values and trouble shooting. Triaging patients and practice calculations will be discussed/ practiced during the presentation. Case studies for both beginners and experienced personnel will be offered (advanced cases).

Course Materials/Pricing:

- 4-hour course for $180; can be paid via credit card or check
- Price includes all mailers and certificate
- Power Point lecture notes/ small spiral notebook
- Practice calculation anesthesia worksheets/ small pocket calculator/ASA assessments
- Professional feedback on quiz answers
- CE exam/ completion certificate or CEU certificate for 4 units

Course Objectives: Anesthesia course

- **Pre-op-** Preanesthetic animal evaluation, physical status and risk assessment; animal preparation; purpose of premedication and selection criteria for various premedication protocols using case examples; basic pharmacology of injectables and inhalants used for pre-op; anesthesia machine, anesthesia circuits, vaporizers & related equipment; endotracheal intubation & related equipment; considerations and precautions for animals with disease, critical aliments and breed cautions (Dobermans-Von Willebrand's dz., Bulldogs-Brachiocephalic, etc.).
- **Intra-op**- Signs of anesthesia, assessment of anesthetic depth and record keeping using anesthesia records; common techniques of peri-anesthetic fluid therapy (crystalloids, colloids, blood products); monitoring patient and recognizing and addressing common problems
- **Post-op-** Recovery from anesthesia; extubating precautions; animal support during emergence from injectable and inhalant anesthesia; recognizing pain status and addressing appropriately; signs of nociception & distress and pain assessment in small animals

- **Monitoring equipment and Normal values-** Use of multi-parameter monitor and review of other monitoring equipment including troubleshooting equipment; normal values for various species (Heart and respiratory rate, SPO_2, CO_2 levels, blood pressure)
    - American Society of Anesthesiologists case assessments (ASA-Classes I through V)

More experienced assistants/ technicians:

- **Advanced anesthesia techniques-** Anatomy, physiology & pathophysiology of the respiratory system as they relate to anesthetic case management; respiratory function monitoring techniques with focus on capnometry/-graph; indications and effects of mechanical ventilation on the anesthetized animal; types of mechanical ventilators, modes of mechanical ventilation, and ventilator settings; cardiovascular system functioning during anesthesia; physiology of the cardiovascular system & common cardiovascular monitoring techniques; principles of ECG recording and reading
- **High-risk patients-** Recognition of cardiac arrhythmias and respiratory distress; causes and treatment of most common cardiac rhythm disturbances (i.e. animals with hypotension); addressing concerns with high risk breeds (i.e. Brachycephalic breeds); anesthetizing patients with compromised immune and endocrine systems; acid/base imbalances (metabolic disturbances), diseased patients (i.e. cancer, organ failure, etc.); principle approach to anesthesia for the patient with neurological disease and for the trauma/polytrauma patient
- **Case studies-** Various case studies presented; neonate, obese, geriatric patients and exotic patients

Outcome Assessment/ Completion Certificate:

To receive a passing grade and completion certificate (CEU certificate for CVT's), the students must have attended the entire course and pass the quiz with sufficient, thorough and knowledgeable answers. I will provide feedback on the quiz following the course. **The quiz should be submitted no later than 2 weeks after the course date; exceptions can be made with instructor approval** 😊

References:

- ✓ On request 😊