



VETERINARY TECHNICIAN SYMPOSIUM
June 24-26, 2019 | Oquendo Center | Las Vegas, NV

ANESTHETIC EQUIPMENT

Instructors: Heidi Reuss-Lamky, LVT, VTS (Anesthesia/Analgesia, Surgery), FFCP, and Kristen Cooley, BS, CVT, VTS (Anesthesia/Analgesia)

9:00 am-12:00 pm	Anesthesia Ventilators 101
Description: Many practices may at some point find it necessary to provide temporary or short-term ventilatory support for their patients. Learn the basic principles behind ventilatory support utilizing mechanical ventilation with the Surgivet Anesthesia Ventilator as a demonstration model. Capnogram interpretation and troubleshooting tips will also be discussed. Lecture followed by hands on laboratory	
Objectives: <ol style="list-style-type: none">1. Identify when ventilatory assistance may be indicated in the anesthetic patient2. Assemble and attach a Hallowell ventilator onto the anesthetic machine3. Determine appropriate ventilator settings for a variety of patients and surgical circumstances4. Explain normal carbon dioxide physiology5. Identify normal and abnormal capnograms	
10:15-10:30 am	Break
12:00-1:00 pm	Lunch
1:00-5:00 pm	Tinkering with Anesthetic Machines
Description: Veterinary technicians depend on anesthetic machines to safely anesthetize veterinary patients large and small. Nevertheless, anesthesia machine mechanics can be intimidating, and diagnosing problems in hoses, bags, conduits, sodasorb canisters, vaporizers, and high and low pressure circuitry can be daunting. Attendees will participate in a fun, intimate overview of the anatomy and physiology of the anesthetic machine, learn to perform a diagnostic leak test and adeptly dissect (and re-assemble!) the various components to determine causes for malfunction. Sources of waste anesthetic gases and waste gas management will also be discussed. Lecture followed by hands on laboratory	
Objectives: <ol style="list-style-type: none">1. Describe various components of the anesthesia machine and list normal function of each part2. Perform appropriate leak test and determine most common sources of leaks3. Disassemble and troubleshoot the various components of an anesthetic machine, including draining the vaporizer, assessing soda sorb use and changing the soda sorb canister, cleaning the flutter valves, and properly utilizing scavenging systems and non-rebreathing circuits4. Identify sources of waste anesthetic gases, and explain exposure control strategies5. Troubleshoot and correct common ventilator malfunctions and alarms	
2:30-2:45 pm	Break

