

Emergency and Critical Care

Veterinary Technology Courses-CEUs

Presented by Certificates on Demand

- ✚ Instructor: Tricia Elliott, MS, RVT, CVT | elliott.tricia@gmail.com
- ✚ Courses will be scheduled on demand and instructed in a hosting hospital setting
- ✚ Attendees: *Veterinary Assistants and Certified Veterinary Technicians/ Technologists*
- ✚ Continuing Education price: \$50/hour- Earn 1 CEU (3-hour minimum); OVMB approved

Course Structure

LECTURES/ TECHNICAL SKILLS LAB

- Power point lecture: Course materials will be supplied to students
 - Wet-lab break-out sessions: Practice technical skills with real samples and microscopes

Course Objectives

EMERGENCY AND CRITICAL CARE I

- Triage (ABC's)
- Addressing common emergency situations
- Emergency techniques (wound care, monitoring patient, crash cart)

EMERGENCY AND CRITICAL CARE II

- Advanced emergency techniques- CPR, bandage application
- Addressing anesthetic emergencies
- Complicated emergencies

Emergency and Critical Care I (4 hours/ 4 hours of CE)

Triage- Airway, breathing, and circulation

Intravenous catheter- IV catheter placement, IV fluids, troubleshooting

Common animal emergencies- Causes and treatments

- Allergic reactions- Edema, insect stings, arachnid bites, and snake bites
- Chocking- Heimlich maneuver for different species
- Heat stroke- Disseminated intravascular coagulation (DIC), organ failure
- Poisoning and toxins- Snail bait, rat poison, NSAIDs, organophosphates, prescription medications
- Hit by car-assessing the patient, triaging injuries
- Burned patients- Source: thermal, chemicals, electrical, radiation; 1st, 2nd, 3rd degree burns
- Fight injuries- assessing the patient, triaging injuries

Wound treatment- Cleaning and/ or debriding wounds, antiseptics to use, wound dressings (i.e. sugar)

Monitoring vitals- Heart rate, respiratory rate, tissue oxygen saturation, and blood pressure

Crash cart essentials-What to include? Equipment used in emergencies

Emergency and Critical Care II (4 hours/ 4 hours of CE)

CPCR- Cardiopulmonary cerebral resuscitation-model simulation

Applying bandages or casts- Application/ simulation of common bandages, splints and casts

Emergency Anesthesia- Principle approach to emergency anesthesia

Complicated emergencies- Causes and treatments

- Seizures- Idiopathic epilepsy, Petit and Grand Mal seizures
- Head trauma- Concussion, contusion, sub-dural hemorrhage, pupillary responses, increased IOP
- Heart failure-Clinical signs, collapse, syncope, cyanosis, pulmonary edema, cardiomegaly
- Bleeding disorders- Clinical signs, trauma, thrombocytopenia, toxicity, cancers
- Bloat and torsion-Clinical signs and complicating factors, breed disposition to GDV
- Diaphragmatic hernia-Congenital vs. traumatic, pericardial or pleural effusion
- Spinal cord trauma- Asymmetrical Hemiplegia, ruptured disc, pain sensation, proprioception