

**Course:** Computed Tomography (CT) Safety and Training ~2-hour Completion Course; for CVT's, this course offers 2 hours of CEU's state approved.

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

\*Registered/ Certified Veterinary Technologist for over 22 years -Small animal, exotic and surgical specialty practice

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

\*Veterinary Technology Instructor for over 10 years at both 2- and 4-year institutions (private and public)

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

\*Former wildlife biological technician for the USFS (studied Northern Spotted Owls and birds of prey)

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

**Course Description:** Introduces computed tomography (CT) and safety principles involved in using CT scanners.

**Course Objectives:**

- Knowledge of the history and inventors of Computed Tomography (CT)
- Explain the electromagnetic spectrum and ionizing radiation
- Comparison of diagnostic modalities (X-ray, MRI, CT, Ultrasound)
- The role of CT in the Veterinary practice/ Why are CT scans needed
- Compare and contrast different types of CT scanners
- Compare the effects that radiation has on a variety of biological and non-biological materials
- Physics and principles of interpretation of Computed Tomography (CT)
- Describe and follow the methods employed in hospitals and clinics to protect employees and physicians against radiation exposure: Radiation protection equipment (gowns, thyroid shield, gloves, +/- safety glasses)
- CT scan safety: Patient imaging and safety precautions
- Close encounter CT scans with patients: Safety of personnel/ radiation exposure and protection

**Outcome Assessment/ Completion Certificate:**

To receive a passing grade and completion certificate (CE certificate for CVT's), the students must have attended the entire course and quiz.

**References:**

- ✓ On request ☺—Currently instructor has trained over 500 people in the state of Oregon