

CT-Computerized Tomography



The CT scanner at the Veterinary Teaching Hospital is a GE FX-I single slice helical scanner. Images may be acquired in 1mm, 2mm, 3mm, 5mm, 7mm and 10mm increments. These images provide a cross-section view of the anatomy that cannot be demonstrated on conventional radiographs. Both soft tissue and boney structures are visualized. A data set can be sent to the GE Advantage workstation to allow for 3D reconstructions. The DICOM images are automatically networked to the hospitals PACS system for immediate viewing.

Small animals such as cats and dogs are the most common patients scanned. Scans have also been performed on a calf, foal, miniature horse, pig, Boa Constrictor, turtle, and wildlife such as a hawk. All patients are anesthetized for the CT scan.

CT scans are used to demonstrate pathology such as neoplasia, abscesses, tumors, and fractures. A CT scan may be performed following a myelograms to help identify herniated spinal discs. CT guidance is also used for biopsies. The images acquired may also be used in radiation therapy planning.