

Toshiba Aquilion 8-slice Multi-detector Row Computed Tomography Unit (MDCT)

Our 8-slice, multi-detector row Toshiba Aquilion CT scanner is an equally powerful diagnostic tool, but uses rotating X-rays to penetrate body tissues, generating multislice, cross-sectional images.

CT is one of the best tools for studying the thorax and abdomen and is useful for detecting primary and metastatic neoplastic lesions in the lung, liver and pancreas. The MDCT at UF provides exceptional spatial resolution, creating slices as thin as 0.5 mm. The use of thin slices combined with the ability to construct three-dimensional reformatted images makes MDCT the tool of choice to evaluate complex fractures and to plan surgical intervention in both small animals and in our equine patients.

Three-dimensional computed tomographic surface rendered image of a dog with severe, bilateral tarsal osteoarthritis.



Appointments and Fees

All veterinarians should visit our Web site, www.GatorVetImaging.com, to access the forms that must be completed and submitted to us prior to their client's visit.

Appointments can be made by calling 352-273-8585. Our fax number is 352-294-9877. Please feel free to e-mail us at GVI@vetmed.ufl.edu if you have questions about the service or need more information.

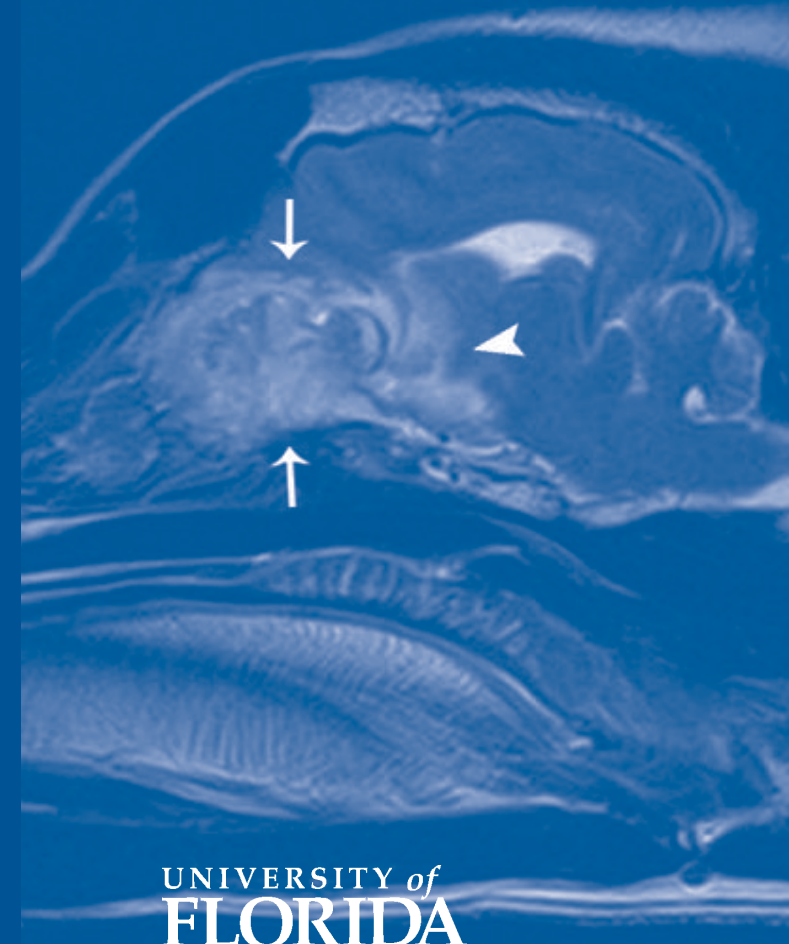


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UF | **Veterinary Medical Center**
Advancing Animal, Human and Environmental Health



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Overview

GatorVetImaging is a newly-developed outpatient diagnostic imaging service at the UF Veterinary Medical Center. This novel service provides direct access to advanced imaging for private and specialty practice veterinarians in Florida and throughout the Southeast.

GatorVetImaging allows veterinarians to:

- Utilize cutting edge MR and CT technology to benefit their small and large animal patients while maintaining primary oversight of the patient/client relationship.
- Ensure that patients, whether a valuable thoroughbred race horse or a treasured family pet, will receive access to the best diagnostic imaging and clinical radiological expertise available in the Southeastern United States.
- Interact with board-certified veterinary radiologists, anesthesiologists and technicians who are committed to quality service and education.

Cover image shows a nasal adenocarcinoma invading the cranial vault.

Got Imaging? Here's how it works

Veterinarians who wish to use GatorVetImaging should call our dedicated phone number (352-273-8585) to communicate with a GatorVetImaging program coordinator for large or small animals. Prior to the appointment, veterinarians will need to complete an Image Request form, a Pre-Anesthesia Evaluation form and a Pre-Anesthesia CBC and serum chemistry profile and submit these via fax (352-294-9877) or e-mail (GVI@vetmed.ufl.edu). UF anesthesiologists and radiologists will review this information before the requested procedure is performed.

When your client comes to UF, he or she will meet with the veterinary clinician who will receive and admit your patient. Drs. Amy Stone or Julia Wuerz will serve as the point of contact for small animal clients; Drs. Matt Brokken or Ali Morton will serve this role for equine patients.

This clinician will outline the imaging service goals for the client and will ensure that the necessary information and history have been obtained.

A general physical examination will be performed and immediately afterwards the animal will be transported into the GatorVetImaging pre-anesthesia holding area.

- Large animal patients will be admitted to UF the day prior to the procedure and will be discharged the day following the procedure.
- Small animals will be admitted and discharged the same day.
- Upon discharge, the client will receive a folder containing photo images of the key lesion(s), copies of essential paperwork and a CD of all images obtained through GatorVetImaging.
- Within 48 hours, the veterinarian will receive a report from one of our veterinary radiologists summarizing findings from the imaging study.

Equipment and Capabilities

Toshiba Vantage 1.5 Tesla high-field Magnetic Resonance Imaging Unit (MR)

GatorVetImaging provides veterinarians and their clients with the capabilities of a Toshiba Vantage 1.5 Tesla high-field MR unit, the only one of its kind in Florida available for use in animals of all species. This instrument allows highly detailed images of bone and soft tissue to be obtained in multiple planes. MR can be used to perform orthopedic (bone, muscle, joint), neurologic (brain, spinal cord, peripheral nerve) and vascular (shunts, tumor vasculature) studies. The magnet's strength and versatility allows UF veterinary radiologists to make accurate distinction between normal and abnormal tissues.

In horses, the magnet can be used to examine the foot, fetlock, suspensory ligaments, carpus, hock and head and is especially useful for evaluating ligaments, cartilage and bone to help differentiate specific causes of lameness.

In small animals, MR is frequently used for evaluation of orthopedic cases, as well as metastasis evaluation and radiation planning of oncologic cases. The MR system's large field of view allows UF radiologists to perform whole spine or body examinations on dogs and smaller animals in a single scan, requiring less time under anesthesia.

Sagittal plane short tau inversion recovery (STIR) image of the left thoracic distal phalanges of a 3-year-old gelding shows a focal cyst in the navicular bone and adhesions to the dorsal aspect of the deep digital flexor tendon.

