



What's New at Imaging Center for Animals

1515 Busch Parkway, Buffalo Grove, IL 60089

Phone: 847-459-7535, ext 257 Fax: 847-520-4084

**ICA offers Imaging Services 5 days a week from
8:00AM to 5:00PM.**

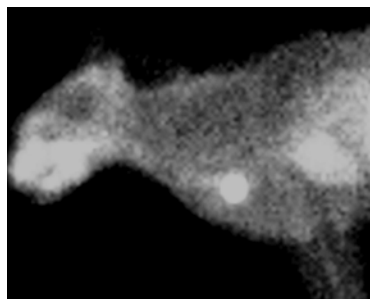
The Team at **ICA** brings you information and updates about different Imaging Studies in Veterinary Medicine.

IODINE-131 TREATMENT THYROID SCINTIGRAPHY in Cats with HYPERTHYROIDISM

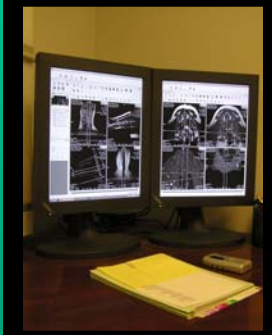
Radioiodine therapy (I-131) is the least invasive, the safest, and the most effective way to treat **hyperthyroidism** in cats. It avoids the inconvenience of daily, oral administration and side effects associated with antithyroid drugs (such as Tapazole), as well as the risks and post-operative complications associated with anesthesia and surgical thyroidectomy.

More than 95% of cats will be cured by a single injection. The remaining small percentage of cats can be treated a second time safely if the thyroid levels remain high at >6 months post-injection. The I-131 is absorbed and metabolized by the hyperactive thyroid tissue only (**even ectopic tissue**) and destroys the abnormal hyperfunctioning thyroid cells. The normal cells are suppressed by the hyperactive tissue, therefore they don't uptake the I-131 and are spared. Normal thyroid levels are usually reached within 1-3 months.

A thorough physical exam, complete blood work including CBC, Chemistry, T4, thoracic radiographs and a urinalysis will be required within 1 month of admission. Cats with renal failure or other chronic illnesses should be stabilized as much as possible prior to treatment. In this way we hope to avoid complications during hospitalization or following the radioiodine treatment.



Our protocol includes an imaging study of the thyroid prior to the I-131 therapy. Not only will the scintigraphic study confirm the diagnosis of hyperthyroidism, mainly in cats that do not have a palpable thyroid nodule, but also those cats which had relapse of hyperthyroidism after thyroidectomy, and will evaluate for the possibility of ectopic thyroid tissue.



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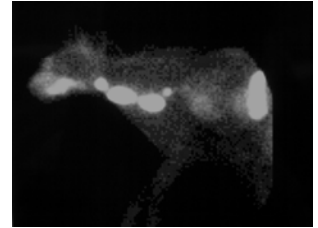
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I-131 is administered as a subcutaneous injection on the morning of admission.

Due to the **radioactive nature of the I-131**, the patient is obligated to remain within the shielded facility, approved by the state, at all times during the established days of hospitalization (approx. 5 days). Safety regulations do not allow any visitors in the treatment/housing area. The radiologist will monitor each patient everyday. The owners will be updated on a daily basis on the status of their pet by a technician. The referring veterinarian will receive a notification when the patient is released.

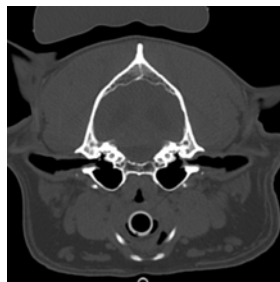


At the time of release, the radiologist will meet with the owner and explain the post-treatment procedures and needed follow-up. We recommend bloodwork and T4 levels at 1, 3, 6 and 12 months which can easily be done at the rDVM clinic.

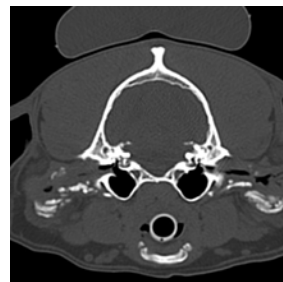
If you have any questions don't hesitate to give us a call.

COMPUTED TOMOGRAPHY (CT) **of the TYMPANIC BULLAE**

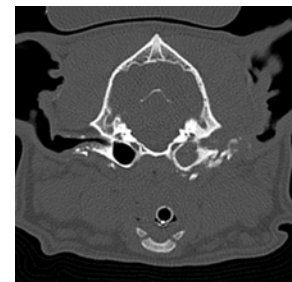
CT is the imaging modality of choice to evaluate the **tympenic bulla** in dogs and in cats. Compared to radiographs where it could be difficult to obtain the proper obliquity for each bulla, it eliminates superimposition of bony structures. Although it is also performed under anesthesia, it is much **faster** and adds **more diagnostic information** (in some instances, images can be reformatted in different planes): polyps in cats can be better identified, differentiation between secretions and neoplasia, extension of otitis, destruction or thickening of the bulla, associated lymphadenopathy,... The study by itself takes approximately **10 minutes**. You can refer patients directly at the Imaging Center for CT of the tympanic bullae. The fees are \$400.00 (including anesthesia and consultation). If biopsies or aspirations are needed, we can immediately perform them when the patient is already under anesthesia.



Normal Tympanic Bullae



Bilateral Otitis Externa
Normal Tympanic Bullae



Otitis Externa and Media
Unilateral Bulla Osteitis

We appreciate your referrals and confidence in our services.

We're on the web
www.vetspecialty.com