



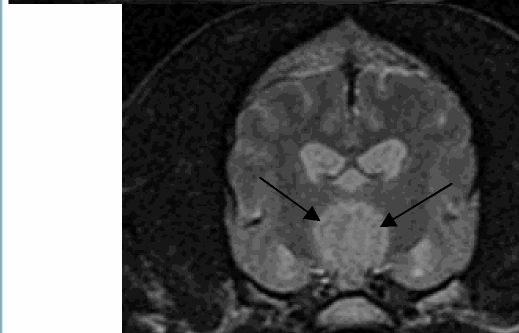
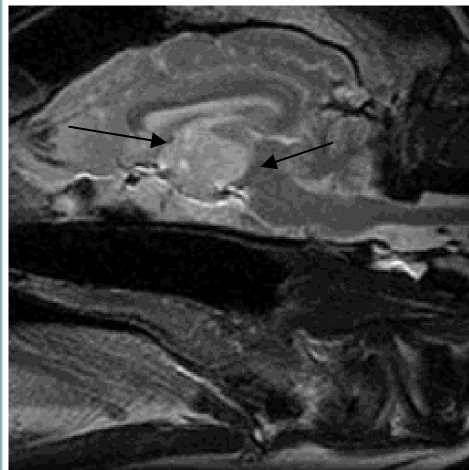
Advanced Imaging and Hyperadrenocorticism

Both MRI and CT can be helpful in determining the most appropriate treatment options for a patient diagnosed with Cushing's disease

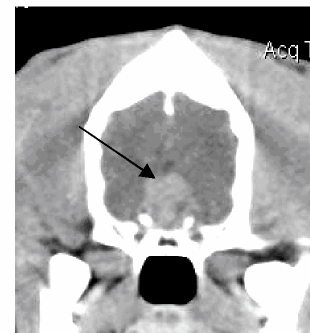
Advanced imaging can be used, along with other ancillary diagnostic testing to provide a more accurate prognosis and aid in determining the most appropriate treatment options for a given patient diagnosed with hyperadrenocorticism.

Both magnetic resonance imaging and computed tomography can be helpful in the identification of tumors associated with Cushing's syndrome. Advanced imaging can aid in treatment planning, whether surgical removal of an adrenal gland or radiation therapy for a pituitary macroadenoma are pursued.

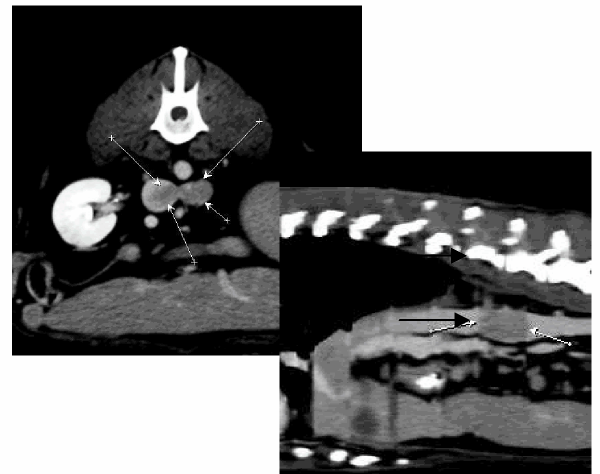
Below are several examples of images obtained from patients with a previous diagnosis of hyperadrenocorticism.



Sagittal and Axial MRI images demonstrating a pituitary macroadenoma



CT image of pituitary macroadenoma



CT images of a left adrenal mass with vena caval invasion

Identification of a pituitary macroadenoma can aid in planning for potential radiation therapy

Discussion

With increased availability of advance imaging modalities, the use of CT and MRI for identification of adrenal and pituitary tumors has become more feasible in the treatment planning for any patient with a diagnosis of hyperadrenocorticism.

Computed tomography allows for evaluation of the size and symmetry of the adrenal glands and allows for determination of vena caval invasion. This is important when determining the surgical feasibility of an adrenal mass.

CT and MRI can also be valuable in determining the presence of a pituitary macroadenoma and can be used when an owner is willing to consider radiation therapy should a pituitary mass be identified.

If you have any questions regarding the value of CT or MRI evaluation for a particular patient please do not hesitate to contact our facility to discuss the case prior to requesting an imaging study.

**Veterinary MRI and RT Center of NJ
1071 Paulison Avenue
Clifton, NJ 07011
Ph – 973-772-9902
Fax – 973-772-9904**

**This case report can now be viewed on our website
www.vetmri.com by clicking on the hyperlink “case report”
under “for veterinarians”.**
