



**PATIENT**

Tuxedo Atkins

**PRESENTING CLINICAL SIGNS**

Currently presented with nasal discharge from Right nostril for 1 month 1/2022 Tuxedo's CT scan of her head and abdomen have returned and no mass affect was seen either in the region of the pituitary nor the adrenal glands. This is consistent with a microadenoma in the pituitary causing pituitary dependent hyperadrenocorticism identified on her LDDST. No additional pathology or concerns were identified on the head CT nor the abdominal CT.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

Labradoodle

**COMPUTED TOMOGRAPHIC FINDINGS**

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry. The pituitary gland presents within normal limits. The pituitary gland height is within the reference range of 5mm.

**SEX**

Female

**AGE**

14 Years

Focal mucosal swelling is seen within the caudal aspect of the right middle nasal concha with no evidence of concurrent turbinate destruction. There is no evidence of a mass lesion or foreign material. No relevant dental disease is noted.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

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The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

The salivary glands present within normal limits.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**REFERRING VET**

Rory Applegate

- Normal CT findings of the brain including the pituitary gland.
- Focal nondestructive rhinitis of the right nasal cavity.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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The CT study reveals no evidence of macromorphological pituitary gland enlargement. Microadenoma remains a potential and appears likely based on the patient history.

**DATE**

10-29-22

There was no evidence of a soft tissue mass within the nasal cavities or paranasal sinuses. No foreign material was found. There was no evidence of turbinate destruction, yet an area of mucosal swelling is noted in the caudal aspect of the right nasal cavity indicating potential for nondestructive rhinitis such as allergic, irritant, or infectious including viral, bacterial, and less likely parasitic (nasal mites).



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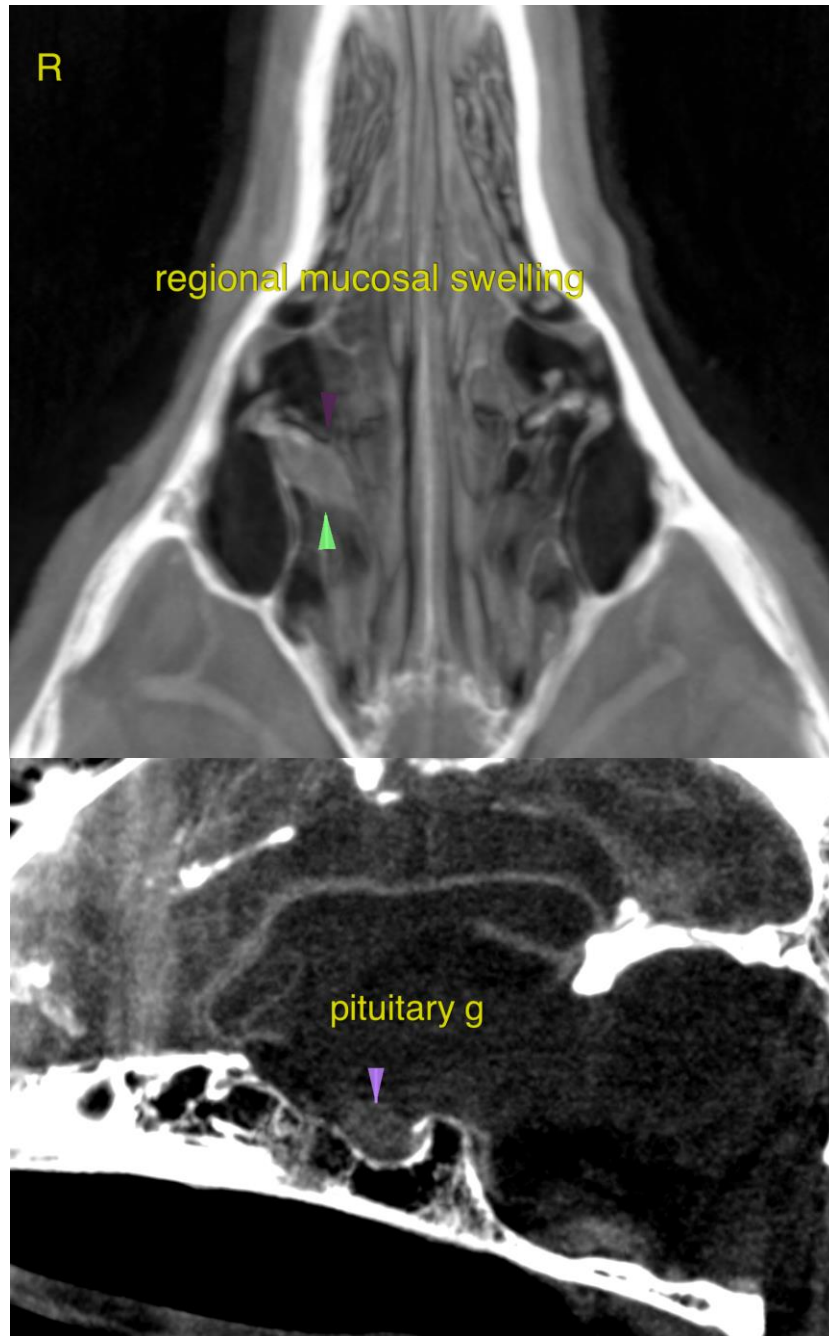
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**SPECIES**

Canine

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