



**PATIENT**

Tucker McDonald

**PRESENTING CLINICAL SIGNS**

Presented for a 2 month history of mucoid nasal discharge which initially was unilateral (right) and is now bilateral. Appears to be acting normal otherwise. Has a hx of epilepsy and episodes of neck pain.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Alp 284 u/l

**BREED**

Australian Cattle Dog

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX**

Plain and post contrast studies of the head and post contrast study of the thorax available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**Head**

**SEX**

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.

MN

**AGE**

12

A moderate amount of fluid attenuating material is adhering to the turbinates within both nasal cavities, L>R. Mild to moderate bilateral swelling of the mucosal lining of the nasal turbinates is seen. The cribriform plate is intact. There is no evidence of foreign material, a soft tissue mass, or turbinate destruction. Moderate mucosal swelling is noted within both frontal sinuses.

**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.

**HOSPITAL NAME**

Northeast Veterinary Referral Hospital

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.

**REFERRING VET**

Dr. Runde

The salivary glands present within normal limits.

The visible dentition is within normal limits.

**Thorax**

**INVOICE**

57534

The bony and surrounding soft tissue structures are within normal limits.

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

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The cardiovascular structures including the pulmonary vasculature are within normal limits.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery



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as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

The lung parenchyma presents the expected architecture and attenuation behavior.

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Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Normal CT findings of the brain.
- Moderate bilateral nondestructive rhinosinusitis.
- Normal age related CT presentation of the thorax.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

MN

The CT study reveals moderate bilateral nondestructive rhinosinusitis. Differential diagnosis includes allergic and lymphoplasmacytic rhinitis as well as infectious rhinitis such as viral, bacterial, or mixed. No evidence of fungal / destructive rhinitis, nasal neoplasia, or foreign material was found. Further definition by means of rhinoscopy with sampling for culture could be considered if not performed already.

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The CT presentation of the brain was within expected limits.

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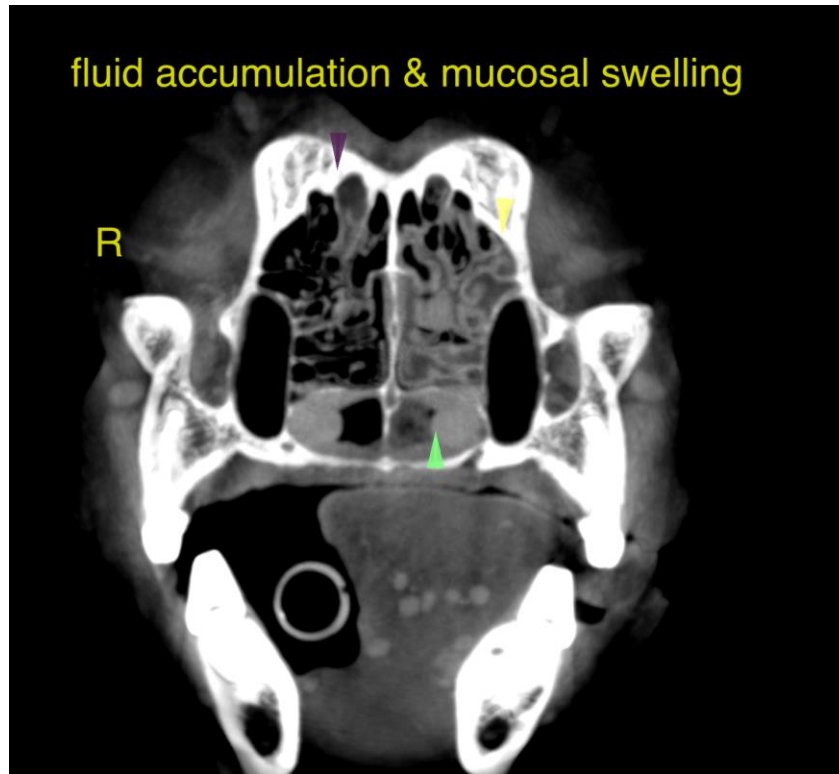
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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