



**PATIENT**

Abby Hayes

**PRESENTING CLINICAL SIGNS**

Patient has been having consistent sneezing for the past four weeks with some coughing and terminal retch. Symptoms did not seem respond to treatment with antibiotics and an antihistamine/corticosteroid. Bloodwork is normal.

**SPECIES**

Canine

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

Plain and post contrast studies available for review.

**BREED**

Labrador Retriever

**COMPUTED TOMOGRAPHIC FINDINGS**

**Head**

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.

**SEX**

Female

Regional turbinate destruction and fluid accumulation are noted in the left nasal cavity throughout its entire length in the ventral nasal meatus. Regional mucosal swelling is noted. No evidence of attenuating foreign material is seen. Mild mucosal swelling is noted throughout the remainder of the nasal cavity; however, no additional sites of turbinate destruction are seen. There is no evidence of a soft tissue mass. The cribriform plate is intact. The frontal sinuses and right nasal cavity present within normal limits.

**AGE**

12 Years

**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.

**REFERRING VET**

Dr. Magnussen

The visible dentition is within normal limits.

**Neck**

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No structural laryngeal abnormality is seen.

Mild redundancy of the dorsal tracheal ligament of the cervical trachea is noted.

**DATE**

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Mild esophageal dilation with air is seen and considered within normal limits under general anesthesia.



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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Regionally destructive rhinitis in the ventral nasal meatus of the left nasal cavity - no evidence of concurrent sinusitis.
- Normal right nasal cavity and frontal sinus.

**SPECIES**

Canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals regional destructive rhinitis in the ventral aspect of the left nasal cavity. The type and distribution of the changes suggest potential for foreign material induced rhinitis; however, no attenuating foreign material can be identified. Presence of non-attenuating or isoattenuating foreign material cannot be ruled out. Nevertheless, infectious rhinitis such as bacterial or early fungal are theoretical potentials too. Further definition by means of rhinoscopy with sampling is strongly recommended if not performed already. At this time, there are no findings that suggest presence of a soft tissue mass.

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Dr. Magnussen

**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.

**INVOICE**

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