



**PATIENT**

Lasha Xec

**PRESENTING CLINICAL SIGNS**

Initially seen for intermittent raspy breathing. Odd tongue stuttering/guttural sound (stertorous) when leash held in dog's mouth. Suspect pathology in caudal nasopharyngeal area, responsive to Clavaseptin & pred.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Increased WBC  $21.12 \times 10^9/L$ , decreased ALKP 19 U/L, K 3.4 mmol/L

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

**BREED**

Golden Retriever

Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

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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.

**AGE**

9 Years

An approximately 5.0 x 2.5 cm sized irregular shaped soft tissue attenuating mass is seen within the mid third of the left nasal cavity. The mass appears to be loosely arranged with ill-defined enhancing soft tissue with multiple cystic contrast negative regions. There is extensive regional turbinate destruction. Regional thinning of the palatal bone is noted. The mass extends slightly into the right nasal cavity. The caudal aspect of the left nasal cavity and left frontal sinus are partially filled with fluid attenuating contrast negative material. mild mucosal swelling within the left frontal sinus is noted as well. There is a mild amount of fluid attenuating material within the nasopharynx. The cribriform plate is intact.

**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.

**HOSPITAL NAME**

Bridgwater  
Veterinary Hospital  
and Wellness Centre

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.

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. H. McDonell

The salivary glands present within normal limits.

The visible dentition is within normal limits.

**INVOICE**

47789

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass with evidence of aggressive biological behavior within the mid third of the left nasal cavity.
- Secondary obstructive rhinitis and left frontal sinusitis.
- No evidence of metastatic disease of the regional lymph nodes.

**DATE**

10-13-21



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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are highly suggestive for nasal neoplasia such as lymphosarcoma, hemangiosarcoma, chondrosarcoma, early adenocarcinoma, or other carcinoma. Final diagnosis would require sampling for histology.

**SPECIES**

Canine

Rhinitis with granuloma formation cannot be ruled out entirely but is thought by far less likely here. Consider rhinoscopy with sampling for histology if not performed already. Multiple samples may be required owing to the presence of multiple nonperfused areas between the soft tissue.

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**REFERRING VET**

Dr. H. McDonell

The information and recommendations provided are based on the images presented by the referring veterinarian. 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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