



**PATIENT PRESENTING CLINICAL SIGNS**

Alfie Robinson Intermittent epistaxis left nostril + no airflow on exam. NAD on rhs  
Abnormal PE/Chem/CBC/UA Results: ALKP = 428 U/L

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Canine A pre- and post-contrast CT study of the head is provided for review. One pre-contrast series of head, one post-contrast series of the head.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Cross breed There is a soft tissue hypoattenuating mass effect within the left nasal cavity. The soft tissue mass effect extends rostrally to the level of triadan 206 and caudally to the level of triadan 209; however, a fluid-filled accumulation material is seen rostrally and caudally. The mass effect is predominantly hypoattenuating and mildly enhancing. The hypoattenuating mass effect produces significant regional left nasal turbinate destruction. Also, it causes poorly defined multifocal lysis in the left side of the sphenothmoidal plate and concurrent invasion in the left side of the choana and nasopharynx meatus. However, no signs of contralateral invasion or septum displacement.

**SEX**

Neut Male

**AGE**

14 Years, 6 Months

The concurrent adjacent hypoattenuating fluid accumulation obliterates the mass effect border and measures approximately 1.7cm x 2.8cm x 3.2cm.

The left side nasal cavity mass with moderate invasion into the choana/nasopharynx is causing partial obstruction in the airway passage.

**INTERPRETED BY**

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The cribriform plate is intact.

The retrobulbar spaces are intact.

The frontal sinuses are intact.

There is mild horizontal and vertical bone loss along the maxillary and mandibular alveolar bones. All teeth are present.

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The retropharyngeal lymph nodes are asymmetrical; the left medial retropharyngeal lymph node is enlarged but normal in attenuation. The right medial retropharyngeal lymph node is normal in size and attenuation. The LRFLN measures approximately 2.6cm x 0.6cm. The RRFLN measures 1.1cm x 0.3cm. The mandibular lymph nodes are normal.

**REFERRING VET**

Ellie Price

The tympanic bullae and external auditory canals are normal.

No other abnormalities are identified.

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**DATE**

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Left side mass effect, associated chronic destructive rhinitis, and moderate quantity of fluid material accumulation. The differential diagnosis includes nasal neoplasia for example lymphoma or chondrosarcoma, fungal rhinitis with concurrent secondary bacterial rhinitis.
- Moderate extension of the lesion into the left side choana and nasopharynx, associated to the multifocal lysis in the left side sphenothmoidal plate.



**PATIENT**

Alfie Robinson

- No involvement in the cribriform plate or frontal sinuses.
- Left side retropharyngeal lymphadenopathy, reactive or metastatic.
- Mild periodontal disease.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES**

Canine

In this case, it is difficult to distinguish neoplasia (chondrosarcoma or lymphoma) from severe fungal rhinitis due to the moderately destructive lesion, hypoattenuating fluid accumulation, and mass effect that is primarily in the left nasal cavity. Other less likely differential diagnosis includes nasal neoplasia such as squamous cell carcinoma. In some cases, an overlap between this differential diagnosis exists. Concurrent secondary nasal fluid accumulation and secondary bacterial contamination should be considered.

**BREED**

Cross breed

Nasal flush biopsy is suggested for confirmation.

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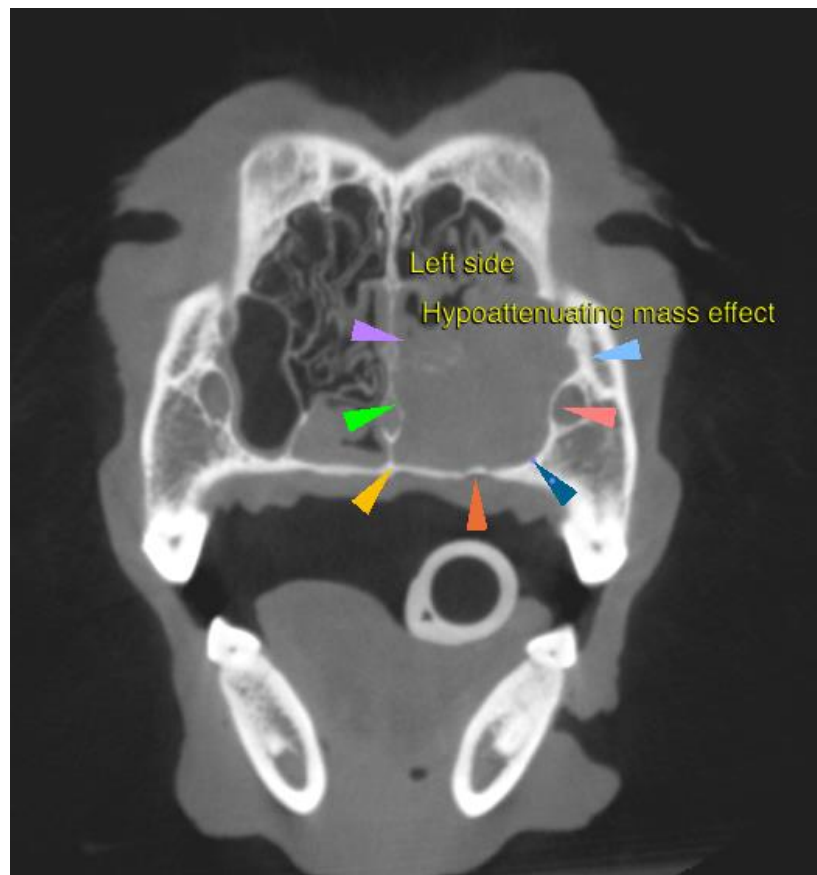
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**PATIENT**

Alfie Robinson

**SPECIES**

Canine

**BREED**

Cross breed

**SEX**

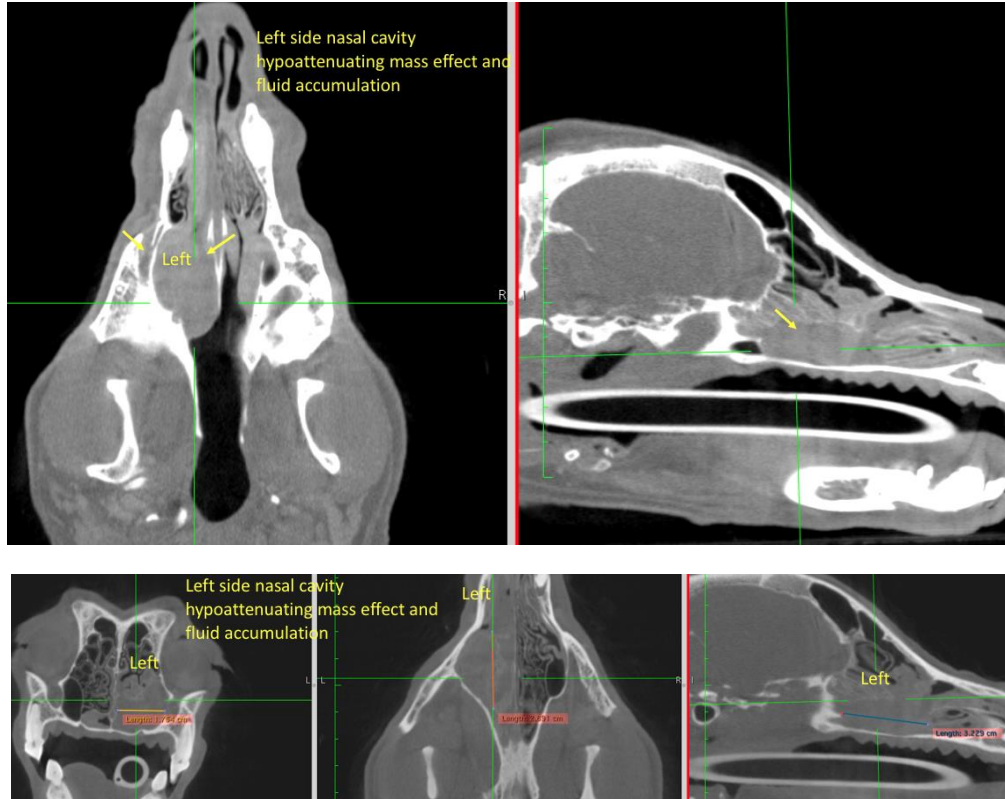
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**HOSPITAL NAME**

Myerscough Veterinary Group

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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info@sonopath.com

**REFERRING VET**

Ellie Price

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