



**PATIENT**

Hagen Tui

**PRESENTING CLINICAL SIGNS**

2 weeks history of right unilateral nasal discharge that did not resolve with amoxycylav treatment for 10 days but resolved with doxycyline treatment for an additional 14 days. 1 week later developed right sided facial swelling and right eye blephorospasm. Improved markedly with antibiotic eye drop and prednisolone 0.5mg/kg. Owners request further advanced imaging to exclude potential underlying disease ddx - inflammatory, infectious, neoplasia

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: Haematology wnl Biochemistry - milky elevated ALKP otherwise wnl

**BREED**

Staffy

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Post-contrast study available for review.

**SEX**

Male

**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.

**AGE**

10 Years

An approximately 7.0 x 3.0 cm sized irregular shaped soft tissue attenuating mass is seen within the caudal third of the right nasal cavity. The mass presents nonuniform contrast enhancement. Regional turbinate destruction is noted as well as permeative aggressive lysis of the right bony orbita, bony nasal septum, vomer bone, maxillary, and palatinal bones. The mass extends into the left ventral nasal meatus. Early right orbital extension is noted. The cribriform plate is intact. The right frontal sinus is filled with fluid attenuating contrast negative material.

**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.

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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 right medial retropharyngeal lymph node presents mild symmetric enlargement. The submandibular lymph nodes and left medial retropharyngeal lymph node present within normal limits.

**REFERRING VET**

Dalton Nguyen

The salivary glands present within normal limits.

The visible dentition is within normal limits.

**INVOICE**

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**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass of the right nasal cavity with aggressive biological behavior and extension into the nasal fundus and left ventral meatus as well as early right orbital extension.
- Secondary obstructive right frontal sinusitis.
- Mild right sided medial retropharyngeal lymphadenomegaly.

**DATE**

1-18-22



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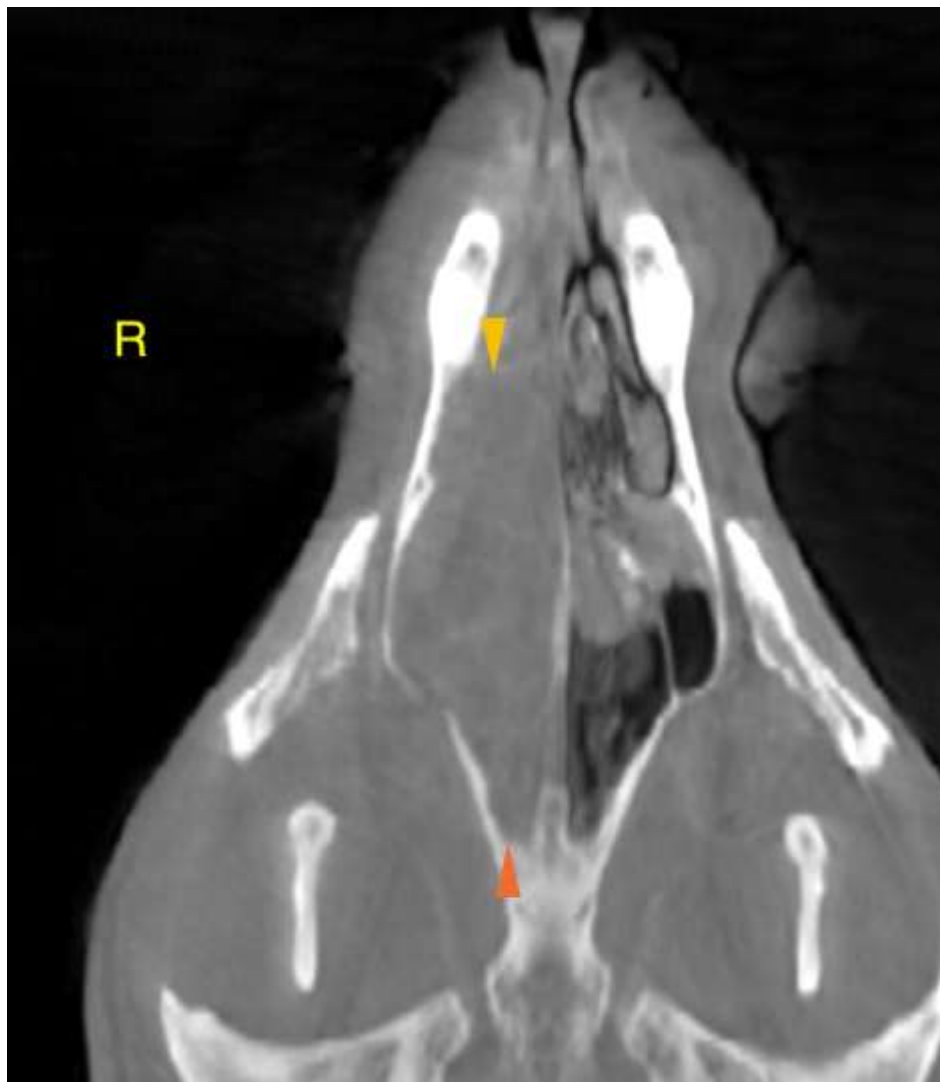
**DATE**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with malignant soft tissue neoplasia within the right nasal cavity with extension into the nasal fundus, left ventral nasal meatus, and early right orbital extension. Differential diagnosis includes adenocarcinoma, other carcinoma, lymphosarcoma, fibrosarcoma, and other. Final diagnosis will require sampling for histology which could be obtained by means of rhinoscopy if not performed already.

The mild right medial retropharyngeal lymphadenomegaly is equivocal for reactive hyperplasia versus early metastatic disease. Consider fine needle aspiration for further definition.





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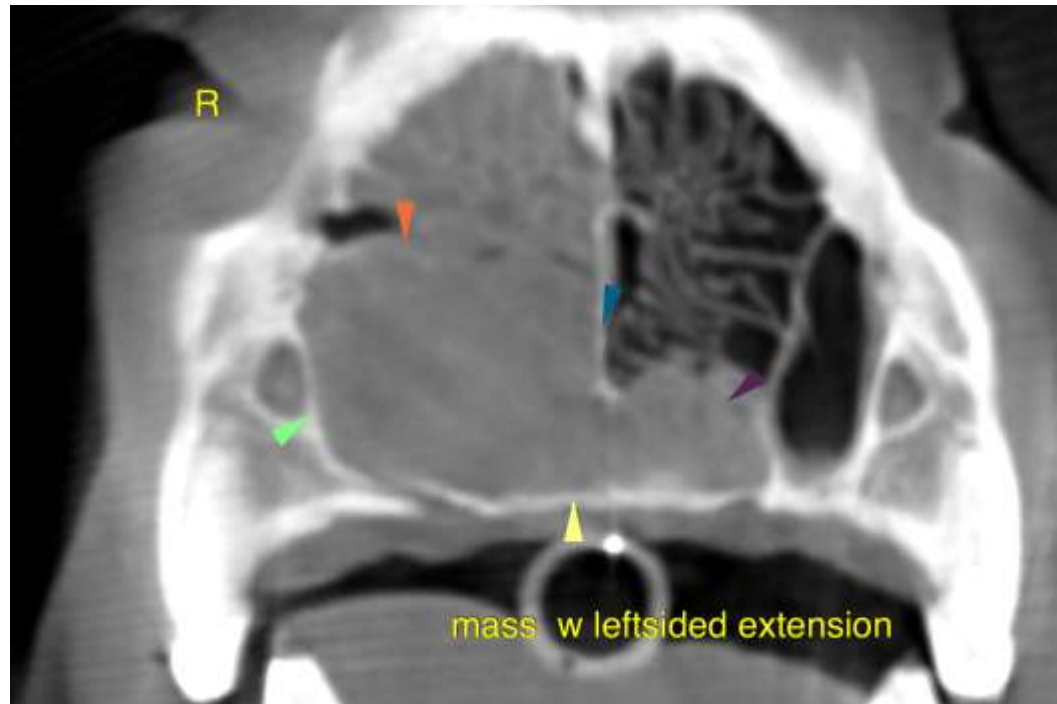
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Male

**AGE**

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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**

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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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