



**PATIENT**

Sunny Kaufman

**PRESENTING CLINICAL SIGNS**

Sunny presented for mass on top of his head. This was first noted November 2021 and grew over a three month period. Sunny has some bloody discharge coming from his nose at times. There was a tic that was found in location of mass but Sunny did not respond to any antibiotics given for Lyme disease. FNA of the mass revealed pyogranulomatous inflammation.

**SPECIES**

Canine

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

Post-contrast studies of the head and thorax available for review.

**BREED**

Golden Retriever

**COMPUTED TOMOGRAPHIC FINDINGS**

**Head**

A large irregular shaped multilobulated and cavitated soft tissue attenuating mass with heterogeneous contrast enhancement is seen within the caudodorsal aspect of the right nasal cavity. The mass presents polyostotic aggressive osteolysis of the cribriform plate, frontal bone, and nasal bone allowing for extension onto the dorsum of the nose, into the frontal sinus, into the orbita, as well as into the cranial vault. An extraaxial mass effect onto the right frontal lobe of the brain is noted. Regional turbinate destruction is present within the right nasal cavity. The right eye is deviated ventrally. The mass measurements approximate 8.5 x 6.5 x 7.0 cm.

**SEX**

MN

**AGE**

9 Years

The regional lymph nodes present within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Thorax**

Assessment is limited to the collimated field of view. The caudal lung lobes are not entirely included.

**HOSPITAL NAME**

Animal Surgical  
Center

Extensive atelectatic changes are present in the ventral peripheral portions of all lung lobes. The remainder of the pulmonary parenchyma presents within age related normal limits and with no evidence of interstitial pulmonary nodules or masses.

No evidence of mediastinal lymphadenomegaly.

No evidence of cardiovascular pathology is seen.

**REFERRING VET**

Village Animal  
Hospital

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Large soft tissue neoplasia of the nasal cavity with extension into the cranial vault, frontal sinus, and onto the dorsum of the nose as well as into the dorsal aspect of the right orbita.
- Pulmonary atelectasis.
- No evidence of regional or pulmonary metastatic disease.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with a malignant soft tissue neoplasia with secondary polyostotic aggressive bone lysis allowing for extension of the mass from the nasal cavity into the cranial vault, onto the dorsum of the nose, into the right orbita, and into the frontal sinus. Differential diagnosis includes adenocarcinoma, other carcinoma, lymphosarcoma, hemangiosarcoma, and

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other. Final diagnosis would require sampling for histology which could be considered if a final diagnosis is strived. However, tumor growth is extensive, and the long term prognosis is poor unfortunately.

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**REFERRING VET**

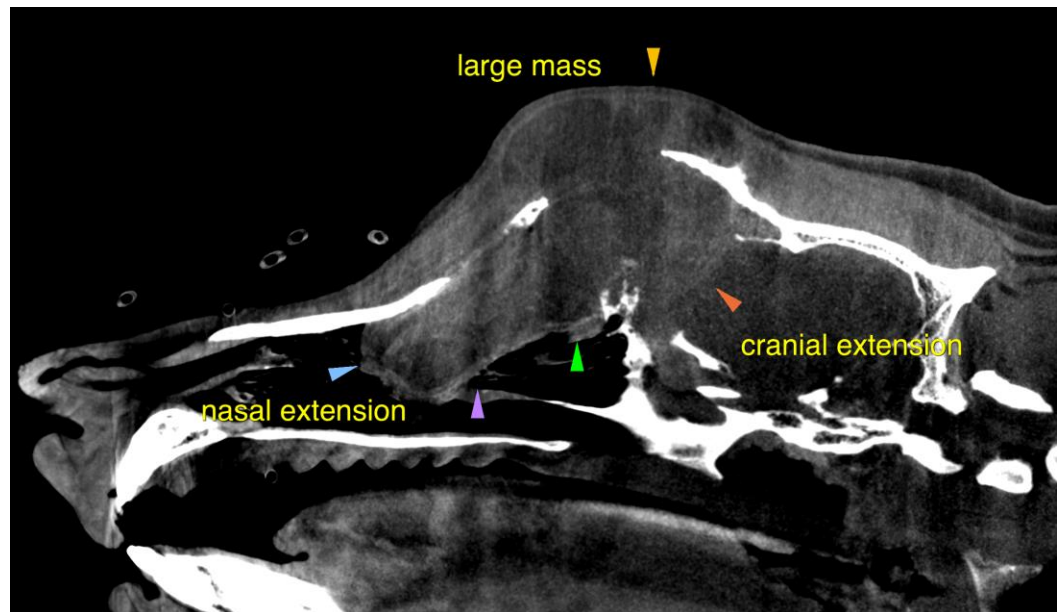
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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