

**PATIENT**

Zuke Bean

PRESENTING CLINICAL SIGNS

e discussed possible causes of Zuki's pain/difficulties opening her mouth such as masticatory myositis. 2M titer was sent out on 10/21 to screen for that condition. We called the lab today and they are not anticipating the results until about Nov 1st. Zuki is older than the typical dog that is affected by masticatory myositis, so we also discussed other possible causes such as infection or tumor process of masticatory muscles, TMJ, nerves of the masticatory muscles and jaws, tooth root abscess, among other less common conditions.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies available for review.

BREED

Golden Retriever

COMPUTED TOMOGRAPHIC FINDINGS**SEX**

SF

The CT study reveals an irregular shaped ill-defined hypoattenuating mass of approximately 5.5 cm length and 4.0 cm diameter within the caudolateral and ventral aspect of the left nasal cavity with extension into the left orbita. The mass causes severe aggressive polyostotic osteolysis of the left nasal, maxillary, palatinal, and zygomatic bones as well as the bony orbita. Extensive regional turbinate destruction is noted. The alveolar crest of the caudal left maxilla is involved from the Triadan 208 through 210. There is no evidence of intracranial extension at this point. The post-contrast study reveals moderate nonuniform enhancement.

AGE

14 Years

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.

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

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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 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. Kimberly Winters

The salivary glands present within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS**INVOICE**

48022

- Nasal soft tissue mass with aggressive biological behavior and extension into the left orbita.
- No evidence of regional lymphadenomegaly.

DATE

10-26-21



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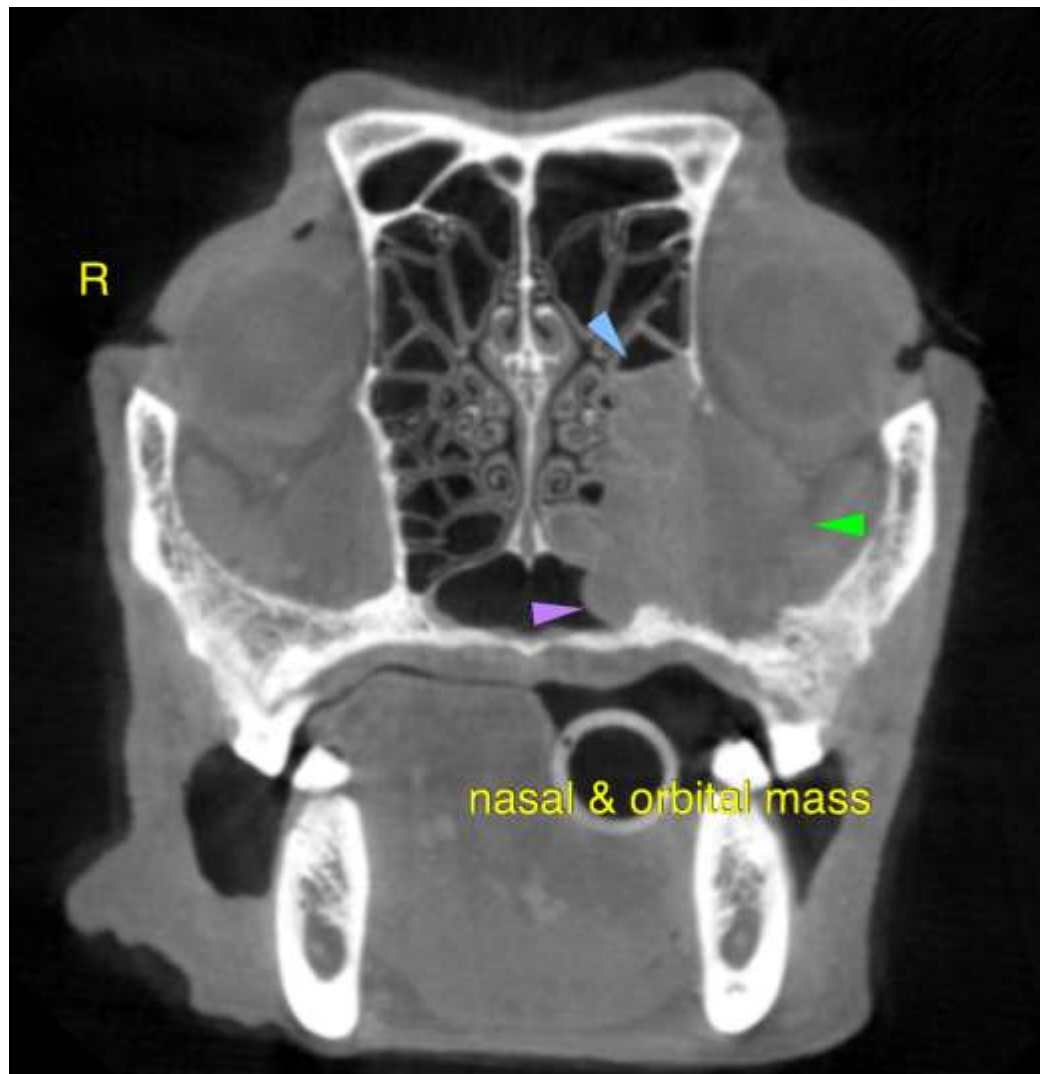
48022

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a malignant soft tissue neoplasia with secondary aggressive bone lysis. The mass is situated within the caudal aspect of the left nasal cavity with extensive invasion of the orbita and polyostotic aggressive osteolysis. Differential diagnosis includes adenocarcinoma, other carcinoma, fibrosarcoma, hemangiosarcoma, lymphosarcoma, and other neoplasia. Final diagnosis would require sampling for histology which could be considered along with full staging if the owners were interested in pursuing palliative treatment measures.





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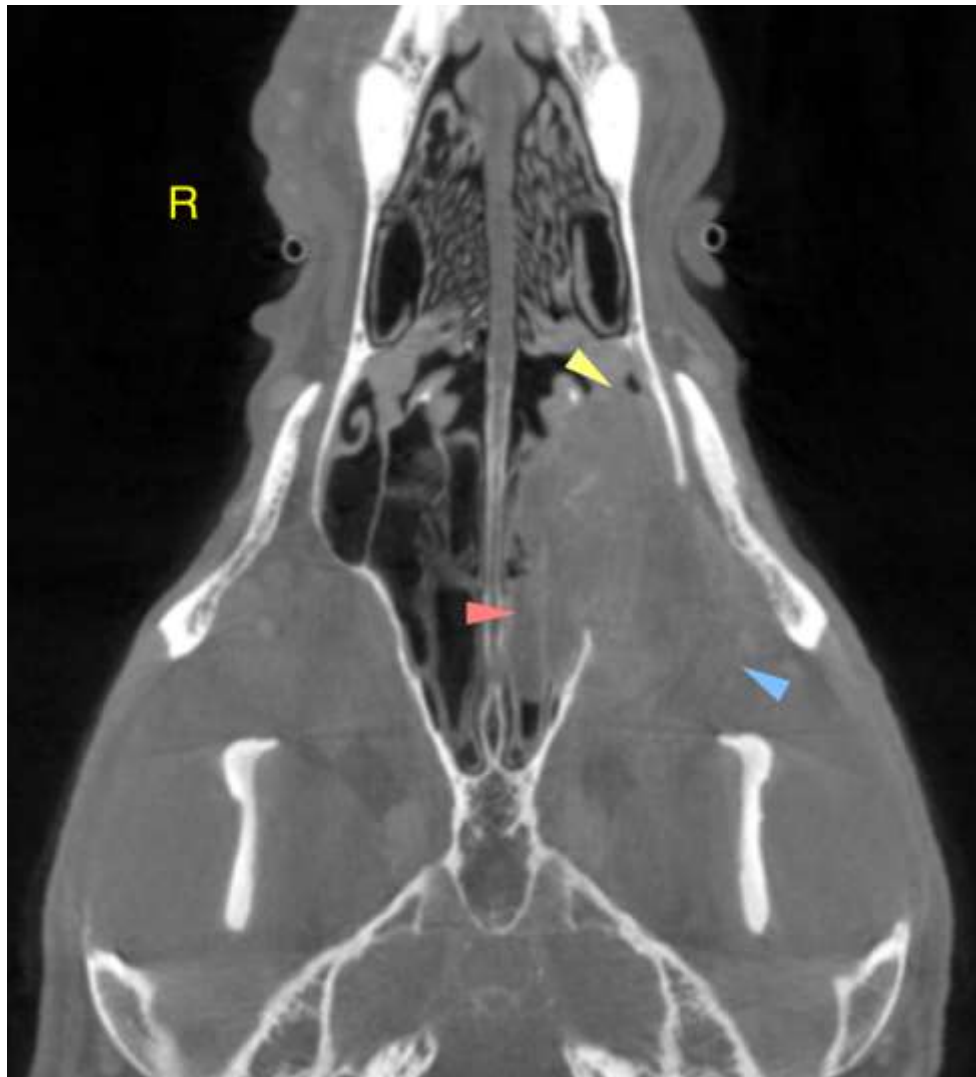
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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