



**PATIENT PRESENTING CLINICAL SIGNS**

Gracie Rice History: Suspected nasal mass. Hx of epistaxis.  
Abnormal PE/Chem/CBC/UA Results:

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL**

Canine A high resolution pre- and post-contrast CT study of the skull is provided for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

Golden Retriever

Centered on the osseous lining of the left dorsolateral aspect of the nose – including the left nasal bone, left maxillary bone and rostral aspect of the left frontal bone – an ill-defined, soft tissue attenuating and heterogeneous contrast enhancing plaque like mass is present. The associated osseous structures present permeative osteolytic lesions and the mass is bulging both into the nasal cavity and subcutaneous tissue dorsal to the nose. The left frontal sinus contains a moderate amount of gravity dependent, fluid attenuating material.

**SEX**

Spayed Female

**AGE**

11 Years

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet.  
DipECVDI

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

**HOSPITAL NAME**

Mobile Pet Imaging

The mandibular lymph nodes bilaterally (L>R) and the left medial retropharyngeal lymph node are moderately enlarged, uniform soft tissue attenuating and contrast enhancing. The short-to-long-axis ratio of the respective lymph nodes is increased and equals 0.5; the surrounding fat presents moderate fat-stranding.

In the subcutaneous tissue of the left submandibular region, ventral to the left mandibular salivary gland, a well-defined ovoid shaped fat attenuating mass, measuring 4.4 x 2.2 x 3.9 cm in size is visible.

**REFERRING VET**

Dr. Meaux

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

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- Soft tissue mass centered on the caudodorsal aspect of the viscerocranium with polyostotic aggressive osteolytic lesions of the associated osseous structures and perforation of the nasal cavity
- Lymphadenopathy left mandibular and left medial retropharyngeal lymph node with surrounding steatitis
- Subcutaneous lipoma left submandibular region

**DATE**

4/20/22

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The mass centered on the caudodorsal aspect of the viscerocranium is consistent with neoplastic disease and the odds for primary soft tissue tumor – such as squamous cell carcinoma,



**PATIENT** adenocarcinoma, fibrosarcoma – are considered higher than for primary osseous neoplasia (e.g., osteosarcoma). FNA sampling of the subcutaneous swelling can be used as advanced diagnostic test and the chances of radiation therapy might be discussed with oncologist.  
Gracie Rice

**SPECIES** The enlarged lymph nodes are compatible with metastatic disease – consider FNA sampling to confirm the diagnosis.

Canine Recommend complementing full tumor staging by 3-view thoracic radiographs.

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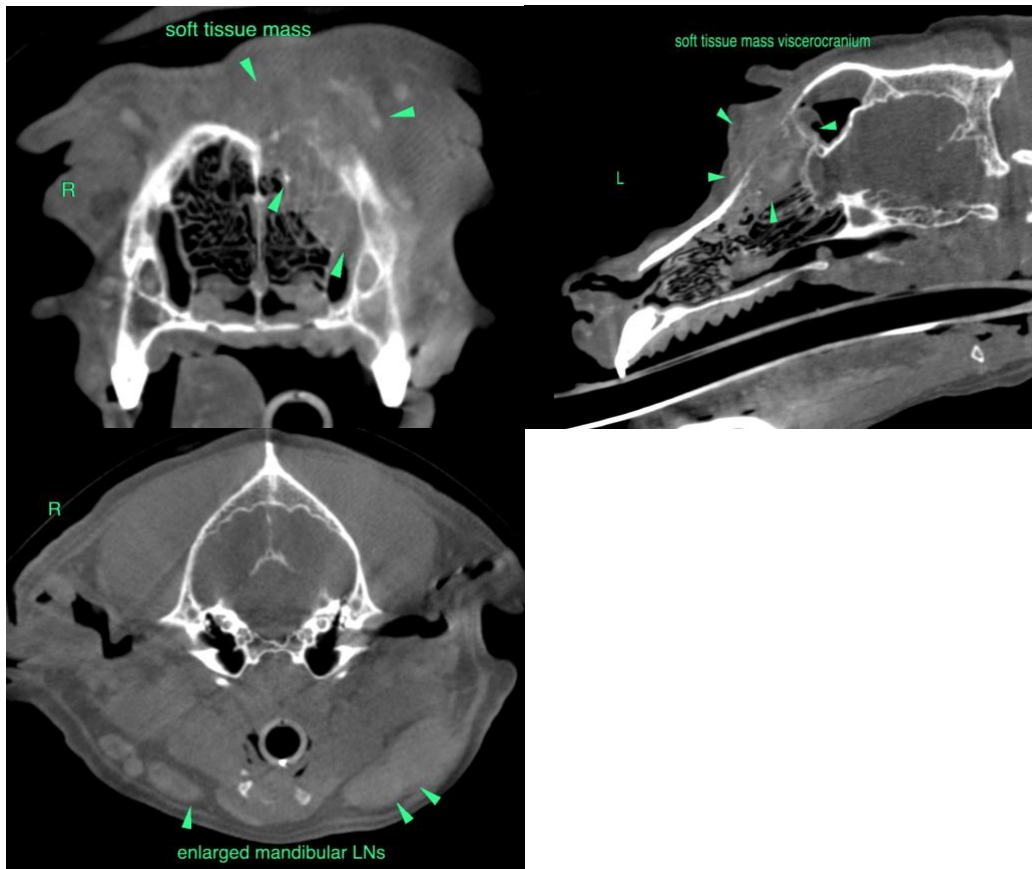
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com



**PATIENT**

Gracie Rice

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

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