



**PATIENT**

Mercedes Furia Carides

**PRESENTING CLINICAL SIGNS**

Surgical planning (hemimandibulectomy) Diagnosis: Right mandible. Poorly differentiated squamous cell carcinoma.  
Abnormal PE/Chem/CBC/UA Results: CBC --- unremarkable CHEM --- unremarkable 4Dx --- negative EKG --- no pathologic

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

German Shepherd

**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.

**SEX**

SF

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining.

**AGE**

6 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 auditory meatuses present within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

The left medial retropharyngeal and submandibular lymph nodes are mildly enlarged.

The salivary glands present within normal limits.

**HOSPITAL NAME**

Veterinary Image Center

A multilobulated mineralizing mass is seen in what is marked the "left" rostral mandible. The mass presents heterogeneous contrast enhancement with cavitation and measures 4.8 cm in length, 3.4 cm in width, and 4.0 cm in height. The aggressive osteolytic changes extend from the medial margin of the triadan 306 to the distal margin of the triadan 404. In other words, the lesion does not respect the mandibular symphysis and extends into the incisor and canine portion of the right rostral mandible as well. Severe displacement of the incisor teeth is seen as well as dorsolateral deviation of the triadan 305. Nonuniform contrast enhancement is noted.

**REFERRING VET**

Dr. C. Mongil, DVM

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass of the left rostral mandible with extension into the right rostral mandible presenting aggressive biological behavior.
- Mild left medial retropharyngeal and submandibular lymphadenomegaly.

**INVOICE**

49860

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with the history cell of squamous cell carcinoma in what is marked the "left" rostral mandible. The aggressive osteolytic changes cross the mandibular physis and extend into the incisor portion and canine portion of the right rostral mandible.

**DATE**

1-26-22

The lymph node changes are compatible with reactive hyperplasia even though early metastatic



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disease cannot be ruled out entirely and should be worked up further by means of fine needle aspiration.

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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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